F3 Phase I ESA: Pumpkin Patch Site

ADVANCED ENVIRONMENTAL CONCEPTS INC

Phase I Environmental Site Assessment

for

Pumpkin Patch Property
6701 East Pacific Coast Highway
County of Los Angeles • Long Beach, California

This report has been prepared for:

Mr. Ken Coulter
Beach Oil Mineral Partners

Prepared: April 2016

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220 E. TRUXTUN AVENUE BAKERSFIELD, CA 93305 661/395-1646 FAX 661/395-1616

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EXECUTIVE SUMMARY

Advanced Environmental Concepts (AEC) has conducted a Phase I Environmental Site Assessment (ESA) on 7.08 gross acres (6.95 net acres) of open ground identified as the Pumpkin Patch Property, having a primary street address of 6701 East Pacific Coast Highway (also identified as 7001 East Pacific Coast Highway), Long Beach, California. AEC also performed a subsurface investigation during 2012 at the subject property which included both soil and groundwater sampling. The subject property consists of three Parcels (Parcel 4, Parcel 5 and Parcel 6), legally identified by Assessor's Parcel Numbers (APNs) 7237-020-043, -044, and -045 and is within a portion of the Northwest Quarter of Section 11; Township 5 South, Range 12 West, of the San Bernardino Base & Meridian System.

Currently, the western two-thirds of the subject property, identified as Parcel 4 (approximately 4.34 gross acres), consists of perimeter-fenced level graded open ground that is used for seasonal pumpkin and Christmas tree sales during the fall and winter months. Access is from Studebaker Road through a swing gate attached to the chain link fence. Studebaker Road and an asphalt-paved parking lot associated with The Market Place commercial development form the north boundary, the San Gabriel River forms the south boundary, Pacific Coast Highway forms the west boundary, and the Seal Beach Oil Field forms the east boundary. Along the east boundary of the Pumpkin Patch portion of the site is an area secured with temporary fencing where trailers, storage containers and various equipment is stored; these items are used for the seasonal pumpkin and Christmas tree sales. AEC additionally identified a groundwater monitoring well at the southwest corner of the subject property (MW-1) that was a part of a prior onsite investigation; AEC also observed several offsite monitoring wells along the south property boundary that are installed in the asphalt-paved bike path adjacent to the San Gabriel River channel. A shallow drainage swale was also observed along the south boundary adjacent to the San Gabriel River channel that drains seasonal precipitation from the central portion of the site.

The eastern one-third of the subject property consists of Parcel 5 (1.36 gross acres) and Parcel 6 (1.38 gross acres). These two parcels are bisected by a hill slope approximately 15-feet in elevation that trends north-south. The eastern half of Parcels 5 and 6 are improved with an active oil field "horse-head" type pumping unit and surface and subsurface pipelines for oil delivery. The oil field infrastructure is on a lease basis with the property owners.

Historically, the property used to encompass land that extended north across Studebaker Road. That portion of the property has been developed with commercial office buildings during the mid-1980s (The Market Place). Passive gas venting probes were incorporated into the design and construction of the adjacent Market Place development and distress (slumping) can be observed within the asphalt-paved parking area that may be associated with former landfill and/or oilfield operations.

The approximate 7-acre property was leased from the Bixby Ranch Company in 1960 by City Dump and Salvage, Inc. of Long Beach, California for the creation of the City Dump and Salvage Landfill #2. AEC has reviewed a "Final Report, Assessment of the Bixby Ranch Company Sanitary Landfill for the Presence of Hazardous Substances", IT Corporation, June 30, 1987 and obtained the historical information regarding the landfill. During September 1960, City Dump and Salvage received a permit from the County of Los Angeles, Industrial Waste Division, to accept household and construction waste in the eastern half of the site at a minimum of 300-feet from Pacific Coast Highway. The waste accepted at the facility was supposed to comply with the following criteria:

- Non-water soluble, non-decomposable inert solids;
- Ordinary household and commercial refuse, including decomposable organic refuse and scrap metal;
- Garbage and market refuse.

The disposal of liquids, semi-liquids, and hazardous classified waste was not permitted. City Dump and Salvage commenced waste acceptance operations at the site in mid-1960 (prior to receiving an approved permit) and ceased operations in early 1961 after filling the "trench" landfill to its permitted capacity.

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The ESA process under ASTM Standard 1527 was created to identify *recognized environmental conditions* (RECs) which present a material risk of harm to public health or the environment and generally be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. The ESA process additionally identifies *controlled recognized environmental conditions,* which are specified under ASTM Standard 1527 as a REC resulting from a past release that has been addressed to the satisfaction of the applicable regulatory authority with hazardous substances allowed to remain in place subject to institutional controls; and/or *historical recognized environmental conditions*, i.e. conditions which may have presented a material risk to public health and/or the environment but have now been mitigated to the satisfaction of a regulatory agency at the subject property. The descriptive term "recognized environmental condition" means the presence, or likely presence, of any hazardous substances or petroleum products in, at, or on a property due to any release to the environment; under conditions that indicate an existing release, a past release, or a material threat of a release to the environment. In addition, AEC will identify non-ASTM conditions ("housekeeping conditions") which are considered de minimis and generally do not present a material risk of harm to public health or the environment and would not be the subject of an enforcement action if brought to the attention of an appropriate governmental agency.

The results of AEC's Phase I Environmental Site Assessment have identified no *housekeeping conditions,* one *onsite recognized environmental condition (REC),* one *offsite recognized environmental condition,* no *controlled recognized environmental conditions*, one *onsite historical recognized environmental condition,* and two *offsite historical recognized environmental conditions.*

Onsite Recognized Environmental Condition

- The subject property was leased from the Bixby Ranch Company in 1960 by City Dump and Salvage, Inc. of Long Beach, California for the creation of the City Dump and Salvage Landfill #2. AEC has reviewed a "Final Report, Assessment of the Bixby Ranch Company Sanitary Landfill for the Presence of Hazardous Substances", IT Corporation, June 30, 1987 and obtained the historical information regarding the landfill. During September 1960, City Dump and Salvage received a permit from the County of Los Angeles, Industrial Waste Division, to accept wastes in the eastern half of the site at a minimum of 300-feet from Pacific Coast Highway.

  City Dump and Salvage commenced waste acceptance operations at the site in mid-1960 (prior to receiving an approved permit) and ceased operations in early 1961 after filling the landfill to its permitted capacity. Clients of the City Dump and Salvage landfill included the City of Long Beach, J & S Disposal Company (City of Lakewood), and the Veteran's Administration Hospital.

  The disposal permit allowed for the excavation of a trench and subsequent filling with refuse that was dredged *below* the groundwater table in the eastern half of the current 4.25-acre site (Parcel 4). Final cover of the landfill was completed by May 16, 1961. During March and April 1987, the IT Corporation (IT) drilled and sampled soil borings at the site to identify the varying depths of the refuse burial and to evaluate if there were hazardous concentrations of chemicals impacting soil and/or groundwater. The results of their sampling indicated that the landfill is typically rectangular-shaped, encompasses the eastern half of the property, and that the refuse in the central portion of the burial area extends to a depth of 30-feet below ground surface (bgs). The refuse in the landfill consists of newspaper, plastic, metal, wood, glass, plant debris, rubber tubes and tires, and green waste. IT also installed two groundwater monitoring wells at the site (MW-1 and MW-2A), and determined that groundwater is typically identified at 15-feet bgs, is primarily derived from sea water intrusion, and does not constitute a source of drinking water.

  Soil samples collected from the borings were submitted for analysis as both composite and discrete. The results indicated total lead concentrations ranging between 3.3 mg/kg to 386 mg/kg. The California Human Health Screening Level (CHHSL) for lead in residential-use soil is 80 mg/kg and in commercial/industrial-use soil is 320 mg/kg. In addition, there was a detection of Arochlor 1248 (PCB with 48% chlorine by weight) of 4.2 mg/kg and the residential-use CHHSL is 0.089 mg/kg and the commercial/industrial use is 0.3 mg/kg.

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The analytical results for lead and PCBs obtained during the 1987 IT investigation did not exceed recommended action levels for that period. However, during the past 24 years, the acceptable concentrations for lead and PCB Arochlors have decreased dramatically. Therefore, it was previously recommended by AEC, that an updated subsurface soil and groundwater investigation be conducted within, and surrounding the landfill. It was recommended that selected soil and groundwater samples be analyzed for Total Petroleum Hydrocarbons as carbon chain (TPH-cc); Title 22 Metals, PCBs, Volatile and Semi-volatile Organic Compounds (VOCs and SVOCs), organo-phosphate pesticides and herbicides, and chlorinated pesticides and herbicides.

During 2012, AEC was contracted by Lyon Communities to investigate the current subsurface soil and groundwater conditions within the former landfill trench as well as outside the confines of the former landfill. Three cone-penetrometer (CPT) borings and four hollow-stem auger borings were performed onsite. AEC collected soil samples for laboratory analysis and also obtained “grab” groundwater samples from first encountered groundwater. Selected soil samples were analyzed for TPH-carbon chain (TPH-cc), Volatile Organic Compounds (VOCs), Poly-nuclear Aromatics (PNAs), Polychlorinated Biphenyls (PCBs), and Title 22 Metals or Lead. The results of the soil analyses indicates that the area of environmental impact exceeding regulatory-derived “actionable” concentrations occurs within the confines of the former landfill trench and confirmed with the soil samples obtained from B-1. The analytes that commonly exceeded regulatory-driven “actionable” concentrations were the Poly-nuclear Aromatics (PNAs) of which Naphthalene was the most common detection. Naphthalene is a common naturally occurring by-product of oil field production and is also a precursor to the anthropogenic formulation of other chemicals; therefore, would be expected to be identified within the confines of a former landfill from 1960 that is within the boundaries of an oil field that has been producing since the 1920s.

AEC recommended that permanent groundwater monitoring wells be installed at the subject property in the vicinity of the former landfill and quarterly groundwater monitoring be implemented to evaluate the upper contamination limits as well as vertical and horizontal extent of impacted groundwater at the subject property. A proposed groundwater monitoring well location map is included as Appendix D and the Los Angeles Section of the Regional Water Quality Control Board (RWQCB) has approved the Work Plan for the groundwater well installation.

Onsite Historical Recognized Environmental Condition

- The eastern portion of the subject property is part of the Seal Beach Oil Field. Historical aerial photographs, topographic maps, and Division of Oil, Gas and Geothermal Resources (DOGGR) Map 132 indicate one active and one abandoned oil well on the subject property and numerous active and abandoned oil wells offsite of the subject property.

  The DOGGR has a Direct Proximity Rule that requires active and/or abandoned oil wells in areas scheduled for future development to maintain a 10-foot set-back on two sides, a 50-foot set-back on a third side, and the fourth side left open. This rule has been established to ensure that abandoned wells can be accessed if future abandonment procedures become necessary and to limit the potential accumulation of methane gas within any structures. Construction can occur over abandoned oil wells if approved mitigation measures are undertaken (i.e. gas venting). If additional structures are constructed on the property, or the property is redeveloped, then the well locations should be verified to ensure that buildings are not placed over the abandoned wells.

  In addition, it was a common practice during the drilling of oil wells to excavate earthen sumps that would contain the produced oil and drilling fluids. Historically, the produced oil and drilling mud would have been backfilled within the sump following drilling and production and left in place. A review of the 1928 and 1938 aerial photographs indicates within the central-eastern portion of the site two side by side sumps adjacent to the drilling derrick. By 1947 the two sumps and the derrick had been removed. Therefore, during future grading the possibility of encountering crude oil and/or drilling fluids in this area is probable.

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If a historical sump is encountered during grading the following procedures will be necessary to mitigate the contents of the two former sumps in accordance with current applicable standards. The area of the sump(s) will need to be defined and the contents characterized by analyzing soil samples collected from the floor and sidewalls for TPH as carbon chain (TPH-cc); Volatile Organic Compounds (VOCs); Semi-Volatile Organic Compounds (SVOCs); PCBs; and Title 22 Metals. The concentrations of the analytes identified within the non-native material of the sump will then determine the location for offsite disposal at either a Class II or Class I Landfill.

Offsite Recognized Environmental Condition

- The property located north of the subject site at 6433 East 2nd Street is identified as the southern portion of the Bixby Ranch "A" Lease Oil Field, is owned by the City of Long Beach and the oil is produced by Synergy. This southern approximate 33-acre property had been classified as a PCB Superfund Removal Site. The entire site consists of the approximate 33-acre parcel south of 2nd Street; there is also a 142-acre parcel north of 2nd Street (175-acres total) which is also currently in operation as an active oil field. Soil samples obtained during April 2009 in the vicinity of platform-mounted electrical transformers on the approximate 33-acre property identified PCBs at concentrations as high as 21 mg/kg. Additional sampling was performed during October of 2009, however, AEC has been unable to obtain the analytical results at the time of this report. AEC did receive a No Further Action letter dated February 24, 2010 from the Region 9 Section, US EPA to the LCW Oil Operators, LLC indicating that LCW Oil Operators had completed the removal of the hazardous substances from the property at 6433 E. Second Street pursuant to the General Notice Letter issued on May 13, 2009 (Appendix E).

  Based on the presence of a No Further Action letter stating that the removal has been successfully completed AEC recommends no further review is necessary for the adjoining offsite property. However, PCB analysis has been included as part of the proposed soil and groundwater monitoring assessment Work Plan that was requested by, and been approved by the RWQCB.

Offsite Historical Recognized Environmental Conditions

- During the late 1980s, during development of the northern portion of the property that is north of Studebaker Road, active and passive subsurface gas migration control measures were implemented by the Bixby Ranch Company. These control measures were implemented to prevent landfill gas migration into The Market Place commercial development. In addition, SCS Engineers prepared an "Air Quality Solid Waste Assessment Test (Air SWAT)" for the Bixby Ranch Company on the portion of the area developed with The Market Place commercial buildings. The assessment was conducted during July 1989 and the results presented by SCS Engineers indicate that subsurface methane concentrations were several orders of magnitude below the Lower Explosive Limit (LEL). The report stated that there has been no history of elevated methane concentrations and that the existing Landfill Gas migration control systems have proven effective and that further control measures are not warranted. Finally, the report implies that the landfill is well past the maximum stage of Landfill Gas Generation beneath The Market Place development.

  It is the opinion of AEC that based on the proposed development of the subject site in an oil field-related capacity, the potential for landfill gas is not a significant environmental concern for the subject property and no further investigation is warranted at this time.

- AEC reviewed a report titled, "Groundwater Monitoring and Limited Environmental Site Assessment Report", Pipeline Release 7-acre Parcel, 6501 East Pacific Coast Highway, Long Beach, California, prepared by Ninyo & Moore on August 10, 2005 regarding a release of oil from a pipeline in the easement along the south subject property boundary (north bank of the San Gabriel River).

  Prior to conducting their own investigation, Ninyo & Moore reviewed the November 2004 report titled, "Summary Report, Bryant Lease, Emergency Response", Seal Beach, California, by Blasland, Bouck & Lee, Inc. (BBL). The report transmittal dated November 1, 2004, is addressed to Mr. David Craig of

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Chevron Environmental Management Company. Ninyo & Moore also reviewed the report titled, "Investigation of Hydro-carbon Release Event" near Seal Beach on the San Gabriel River, by Exponent, dated August 2004.

Based on their review of these reports, Ninyo & Moore understood that a 4-inch-diameter petroleum pipeline operated by ChevronTexaco failed a hydrostatic pressure test, sometime prior to July 29, 2004, adjacent to the southern corner of the site. According to BBL, the pipeline carries crude oil. During the pressure test, hydrocarbon sheen was noted on the water in the San Gabriel River immediately below the area where the pipeline is located. The sheen was reported to have originated behind the riprap-lined channel embankment along the river. ChevronTexaco representatives notified regulatory agencies, emergency action was implemented, and the sheen was contained. The soil over the pipeline was excavated and a 90-degree elbow was observed to be corroded and cracked. Soil, water, and sheen samples were collected by ChevronTexaco representatives, and laboratory results were provided to the United States Coast Guard and the California Department of Fish and Game. The groundwater flow direction beneath the site was interpreted to be toward the south-southeast.

From August 3, 2004 through August 8, 2004, seven 4-inch soil vapor extraction (SVE) wells (EW-1 through EW-7) were installed by BBL. Six of these wells (EW-1 through EW-6) were found to contain measurable free product floating on the groundwater. From August 6, 2004 through August 16, 2004, liquid was removed from well EW-3 (the well with the thickest free product) and EW-6 via vacuum truck.

On August 7, 2004, a two-phase (vapor and fluid) thermal oxidizer unit, blower unit, associated Baker Tank, and associated system piping were installed and the system was activated. The BBL report does not indicate which wells were connected to the recovery system. Extraction data from August 6, 2004 through September 16, 2004, were provided to Bixby by ChevronTexaco. However, it is unclear if the recovery system continued to operate beyond September 16, 2004, and there was no recovery system present at the site during 2005.

A soil gas survey including the installation of 14 vapor points was performed by BBL on August 9 and 10, 2004, in the vicinity of the pipeline release. Samples were collected from each vapor point location at 6 to 10 feet below ground surface (bgs) and 14 to 16 feet bgs. These samples were analyzed for total petroleum hydrocarbons as gasoline (TPHg) and volatile organic compounds (VOCs). Elevated concentrations of TPH-g and VOCs were detected in some soil gas samples.

A soil investigation including the installation of eight soil borings was performed by BBL on August 11 and 12, 2004, in the vicinity of the pipeline release. The borings were advanced to total depths of 16 to 22-feet bgs. Water was encountered at the site from 3 to 18-feet bgs. According to BBL, continuous samples were collected from each boring based on the results of field observations and photo-ionization detector (PID) readings. These samples were analyzed for total recoverable petroleum hydrocarbons (TRPH), total petroleum hydrocarbons as diesel (TPH-d), total petroleum hydrocarbons carbon chain less than C13 (TPH-v), and VOCs. Elevated concentrations of some analytes were detected in some soil samples.

Six groundwater samples were collected concurrently with the previously described soil sampling. Two of the eight borings (SB-5 and SB-8) contained free product, so a groundwater sample was not collected. These six samples were analyzed for TRPH, TPH-d, TPH-v, and VOCs. Elevated concentrations of some analytes were detected in some of the groundwater samples.

Groundwater monitoring and sampling was conducted by BBL on three wells (EW-1, EW-7, and Existing Well) on August 13, 2004. Existing Well was installed approximately 120 feet northwest of the Lower Bike Path by others prior to the discovery of the pipeline leak. The construction details of Existing Well, including the screened interval, are unknown. The groundwater samples were analyzed for TRPH, TPH-d, TPH-v, and VOCs. Elevated concentrations of some analytes were detected in some groundwater samples. No detectable concentrations were reported in Existing

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Well. BBL installed four additional groundwater monitoring wells on August 25, 2004. Each of the wells and sampling points, except Existing Well, are within approximately 80 feet of the Lower Bike Path.

Based on information provided by the Bixby Ranch Company (Bixby), at the time of the work during 2004 the 7-acre parcel was owned by Bixby and bounded by Studebaker Road to the northwest, an active oil field to the northeast, a Los Angeles County Department of Public Works (LACDPW)-operated bike path followed by the San Gabriel River to the southeast, and Pacific Coast Highway to the southwest. The 4-inch-diameter petroleum pipeline runs in a pipeline easement paralleling the southeastern boundary of the parcel between the parcel and the San Gabriel River. Another pipeline operated by Breitburn Energy Company (Breitburn) is also located in the easement.

On August 4, 2005, Ninyo & Moore representatives contacted Ms. Martha Brock of Breitburn. According to Ms. Brock, Breitburn installed two manways to their pipeline in July 2005. At the time of their excavation activities, ChevronTexaco had repaired their pipeline and had backfilled their excavation. Documentation regarding the disposal (if any) of the soil excavated by ChevronTexaco and the sampling (if any) of import material was not provided. During Breitburn's excavation activities, soil with odors was segregated from soil with no odors. The soil with no odors was used (along with pea rock) as fill, and the soil with odors was stockpiled offsite (approximately 20 cubic yards).

During July 2005, Ninyo & Moore conducted additional subsurface sampling by drilling nine additional borings to approximately 23-feet bgs proximal to the area of the release in the pipeline easement. Soil samples were collected at intervals of 5-feet and a "grab" groundwater sample was collected from the borings and from five existing monitoring wells. The results of the Ninyo & Moore investigation indicate that the highest concentrations of hydrocarbons are present at the southern corner of the easement; that a release of petroleum hydrocarbons likely occurred in the southern corner of the easement; migrated vertically to groundwater; and then spread laterally on the groundwater primarily towards the San Gabriel River.

Based on a review of the Ninyo & Moore report, it is the opinion of AEC that no further investigation is required; however, future quarterly groundwater monitoring reports associated with the pipeline release should be reviewed to determine if the identified hydrocarbon contamination remains stable and offsite.

AEC has conducted this Update to the May 2011 Phase I Environmental Site Assessment and subsequent July 2015 ESA Update on the subject 7.08 gross acres (6.95 net acres) of open ground identified as The Pumpkin Patch, Long Beach, California (the Property) in conformance with the scope and limitations of ASTM Standard E1527-13. Any exceptions to, or deletions from this practice are described in Section 5.0 of this report. This assessment has revealed evidence of recognized environmental conditions in connection with the subject property. Therefore, based on the results of our investigation AEC recommends further investigation is warranted for the subject property.

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1.0 INTRODUCTION

Advanced Environmental Concepts, Inc. (AEC) was retained by Mr. Ken Coulter and Beach Oil Mineral Partners (BOMP) ("User"), to prepare this Phase I Environmental Site Assessment on the subject 7.08 gross acres (6.95 net acres) of open ground identified as the Pumpkin Patch Property, 6701 East Pacific Coast Highway, Long Beach, California (the "Property"). A location map for the Property is presented as Figure 1 in Appendix A. This assessment was performed in conformance with 40 CFR 312, Standards for Conducting All Appropriate Inquiries, and general conformance with ASTM E1527-13.

2.0 PURPOSE

The purpose of this assessment is to identify recognized environmental conditions located at the subject site or adjacent properties which could present material risk of harm to public health or to the environment. Recognized environmental conditions, as defined within ASTM Designation E1527-13, are the presence, or likely presence, of any hazardous substances or petroleum products in, at, or on a property due to any release to the environment; under conditions that indicate an existing release, a past release, or a material threat of a release to the environment.

This assessment is intended to constitute appropriate inquiry into the previous ownership and uses of the property, as required to support the assertion of the innocent landowner, contiguous property owner, and/or bona fide prospective purchaser defenses to liability (collectively the Landowner Liability Protections, or LLPs) under the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA a.k.a. Superfund), as amended by the Superfund Amendments and Reauthorization Act of 1986 (SARA) and the Small Business Liability Relief and Brownfields Revitalization Act of 2002.

If known or suspected contamination is identified, Users seeking to maintain Landowner Liability Protections have responsibilities in addition to completing an AAI-compliant Phase I Environmental Site Assessment. These "continuing obligations" include taking "appropriate care" and "reasonable steps" with respect to known or suspected releases of hazardous substances during the tenure of property ownership. In addition to these requirements under Federal law there are also different requirements under state law with respect to liability protections. On request, Advanced Environmental Concepts, Inc. can provide support for clients with continuing obligations, as appropriate.

3.0 SCOPE OF SERVICES

To evaluate the potential presence of recognized environmental conditions, this preliminary investigation consisted of the following:

- Contacting appropriate regulatory agencies for hazardous materials information concerning the subject site and surrounding areas located within an approximate 1-mile radius of the site boundaries. Inquiries were made regarding documentation of: (a) toxic spills; (b) underground storage tanks; (c) the use, storage, generation, and/or disposal of hazardous materials; (d) the presence of disposal wells and/or leach fields, drain fields, and septic systems; and, (e) violations of applicable environmental control standards;

- Conducting interviews and researching historical site usage for information regarding past or present recognized environmental conditions;

- Reviewing selected database reports, maps, and aerial photographs for information pertaining to potential sources or visual indications of soil and groundwater contamination;

- Conducting an on-site inspection and off-site reconnaissance to identify visible evidence of the generation, use, storage, spills, or disposal of hazardous materials;

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- Evaluating investigational findings and the preparation of a detailed report inclusive of findings and recommendations.

4.0 SPECIAL TERMS AND CONDITIONS

The information included in this report is intended for use exclusively as a preliminary assessment of potential environmental and human health concerns at the project site. Data is generally obtained through telephone conversations, personal interviews, public records, public information, general maps and aerial photographs. These services have been rendered by Advanced Environmental Concepts, Inc. (AEC) in accordance with generally accepted practices by professional geologists and environmental specialists. Also, the report has been prepared in accordance with the care and skill generally exercised by reputable professionals, under similar circumstances, in this or similar localities. Because of the limited nature of this investigation, the firm is precluded from providing a warranty, expressed or implied, regarding the presence of hazardous materials that could potentially adversely affect the subject site.

This report is provided with the understanding that it is the responsibility of the owner to convey the information and recommendations contained herein, to the appropriate regulatory agencies, as required. The services performed in the scope of this project are for the sole use of our client. Others who seek to rely on the findings contained within this report have a duty to determine the adequacy of the information presented herein, for their time, location, and intended use.

5.0 LIMITATIONS AND ASSUMPTIONS

This report presents the results of an updated Phase I Environmental Site Assessment conducted by **Advanced Environmental Concepts, Inc.** (**AEC**) for Mr. Ken Coulter and Beach Oil Mineral Partners (client) on the following property:

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County of Los Angeles • Long Beach, California

No other properties were included within the scope of this assessment except as required for the off-site reconnaissance and for the regulatory agency database and file review pertaining to potential sources of offsite recognized environmental concerns. Historical information regarding the subject parcels is limited to review of maps, public documents, interviews with people knowledgeable with the past and present uses of the property, and aerial photography review.

The investigation focused on releases and threatened releases of hazardous substances or petroleum products that could be considered a recognized environmental condition and/or a liability due to their possible presence in significant concentrations (e.g., above acceptable limits set by the Federal or state government) or due to the potential for contaminant migration through exposure pathways (e.g., groundwater). Materials that may contain substances which are not currently deemed hazardous by the federal or state of California EPA were not considered as part of this study.

Unless specifically included in our scope of services, formal surveys for asbestos-containing materials, lead-based paints, fire safety, vapor intrusion, indoor air quality, mold, and similar matters were not part of this assessment. The Property was not evaluated for compliance with land use, zoning, wetlands, or similar laws. This report is not intended to be an environmental compliance audit.

Hazardous substances naturally occurring in plants, soils, and rocks, (e.g., heavy metals, naturally occurring asbestos, or radon) are not typically considered in these investigations. Similarly, construction debris (e.g., discarded concrete, asphalt) is not considered to be of concern unless observation determined that hazardous substances are likely to be present in “actionable” concentrations.

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Unless otherwise noted, sampling and laboratory analyses of soil, water, air, building materials, or other media, were not performed as part of this investigation. Quantitative identification of hazardous substances can only be accomplished through sampling and appropriate laboratory analysis.

AEC assumes no responsibility for the accuracy of information obtained from, compiled by, or provided by third-party sources, such as regulatory agency listings. AEC assumes that information collected during this environmental site assessment is accurate and correct. Unless warranted, information collected has not been independently validated as part of this assessment.

The following information is the responsibility of the User (40 CFR 312.22) and is not included in this Phase I Environmental Site Assessment report:

- The relationship of the "purchase price" to the "fair market value" of the Property. The purchaser of a Property is required to consider whether a difference between the purchase price and the fair market value of the Property is due to the presence of potential releases or identification of hazardous substances at the Property.

The following limitations/restrictions were placed on AEC:

- There were no limiting factors that impeded access to AEC for the entire property, with the exception of the fenced storage yard containing trailers, storage containers and miscellaneous equipment used for seasonal pumpkin and Christmas tree sales. The materials within the storage yard are not anticipated to adversely affect the conclusions and recommendations presented in this report.

6.0 GENERAL SITE CHARACTERISTICS

6.1 Site Location and General Site Description

The subject property has been assigned a primary street address of 6701 East Pacific Coast Highway, Long Beach, California. The property is approximately 7.08 gross acres (6.95 net acres) and consists of Parcel 4 (4.25 net acres), Parcel 5 (1.36 net acres) and Parcel 6 (1.34 net acres) and have been assigned Assessor Parcel Numbers[1] 7237-020-043, -044, and -045, respectively. All of Parcel 4 and the western halves of Parcels 5 and 6 are used for the seasonal sales of pumpkins and Christmas trees. The eastern halves of Parcels 5 and 6 consist of ground occupied by surface appurtenances of the Seal Beach Oil Field including "horsehead" type pumping units.

The registered owner of this property at the time of this report is:

Lyon Housing (Pumpkin Patch) XLV, LLC
4901 Birch Street
Newport Beach, CA 92660

6.2 Current Use of the Property

The property is currently undeveloped, with the exception of oil field infrastructure along the east portion of the subject property. The remaining portion of the site is used for seasonal sales of pumpkins and Christmas trees.

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6.3 Past Uses of the Property

Based on reviews of historical topographic maps beginning in 1925, aerial photographs beginning in 1928, and historical reports the western two-thirds of the subject property has been unoccupied until the use converted to a municipal "trench" landfill during 1960-1961. Once the available space had been infilled with refuse, the landfill operation ceased. The eastern one-third of the property has been an active oil field since the 1920s. Historical aerial photographs, topographic maps, and DOGGR Map 132 indicate one active and one abandoned oil well on the subject property and numerous active and abandoned oil wells offsite of the subject property. Two side by sideoil sumps were additionally within the central-east portion of the site.

6.4 Current and Past Uses of Adjoining Properties

Based on historical USGS map and aerial photography reviews, and interviews with local regulatory personnel, the subject property is surrounded by an area of predominantly commercial properties and the Seal Beach Oil Field. Pacific Coast Highway forms the western property boundary, portions of the Seal Beach Oil Field form the eastern property boundary, the San Gabriel River forms the southern boundary, and Studebaker Road and a commercial development identified as The Market Place forms the northern boundary. The former landfill also extended to the north into Studebaker Road and the adjacent commercial development.

7.0 SITE AND VICINITY CHARACTERISTICS

7.1 Physiographic Setting

This portion of South Long Beach/Seal Beach is on a coastal plain underlain by relatively recent sediments ranging in age from Quaternary deposits of the Pleistocene epoch (11,000 to 1,600,000 years) through the Holocene epoch (less than 11,000 years). The older sediments typically are shallow marine terrace deposits that have been uplifted by ongoing seismic movement and eroded to form the Bolsa Chica and Huntington Beach mesas. The mesas are bordered by younger (unconsolidated) alluvial soils that fill the gaps near Seal Beach, Bolsa Chica, and the Santa Ana River. The alluvial sediments are many hundreds of feet thick throughout the Seal Beach area. The Newport-Inglewood Fault Zone is visible on the ground surface as a series of northwest-trending elongated hills, including Signal Hill and the Dominguez Hills, extending from Newport Beach to Beverly Hills and is adjacent to the subject property.

This area of Long Beach is seismically active. The region is crossed by a network of major regional faults and minor local faults. This faulting and seismicity is dominated by the San Andreas Fault System, which separates two of the major tectonic plates that represent part of Earth's continental and oceanic crust: the Pacific plate is west of the San Andreas Fault System; the North American plate is to the east. There are numerous faults in the general area that are categorized as active, potentially active, and inactive by the California Geological Survey. A fault is classified as active if it has either moved during the Holocene epoch (during the last 11,000 years) or is included in an Alquist-Priolo Earthquake Fault Zone. The Newport-Inglewood Fault Zone is an active right-lateral fault system consisting of a series of fault segments located mostly parallel to the coastline throughout the City of Long Beach. The Seal Beach fault trace is also active in the area of the subject property.

The shallow native soil beneath the subject property consists of silty sand to medium grained sand to approximately 25-feet below ground surface (bgs). The western two-thirds of the subject property has an average elevated of 18-feet above mean sea level (msl)[2] and the eastern one-third has an average elevation of 5-feet msl. Groundwater associated with sea water intrusion has been identified between 15 to 20-feet bgs across the western portion of the subject property and is nearer to 10-feet bgs in the eastern portion. The depth to groundwater varies with tidal fluctuation. The central portion of the subject property has been previously excavated during 1960 and backfilled with refuse associated with its use as a municipal landfill.[3]

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8.0 SITE DESCRIPTION AND INSPECTION

The most recent inspection of the Property and reconnaissance of the surrounding area was conducted on March 29, 2016, by Mr. Jonathan Buck, Principal Geologist of AEC and Mr. Peter Anderson, Senior Geologist of AEC. Currently, the western two-thirds of the subject property, identified as Parcel 4 (4.34 gross acres), consists of perimeter-fenced level graded open ground that is used for seasonal pumpkin and Christmas tree sales during the fall and winter months. Access is from Studebaker Road through a swing gate attached to the chain link fence. Studebaker Road and an asphalt-paved parking lot associated with The Market Place commercial development form the north boundary, the San Gabriel River forms the south boundary, Pacific Coast Highway forms the west boundary, and the Seal Beach Oil Field forms the east boundary. Along the east boundary of the Pumpkin Patch portion of the site is an area secured with temporary fencing where trailers, storage containers and various equipment is stored; these items are used for the seasonal pumpkin and Christmas tree sales. AEC additionally identified a groundwater monitoring well at the southwest corner of the subject property (MW-1) that was a part of a prior onsite investigation; AEC also observed several offsite monitoring wells along the south property boundary that are installed in the asphalt-paved bike path adjacent to the San Gabriel River channel. A shallow drainage swale was also observed along the south boundary adjacent to the San Gabriel River channel that drains seasonal precipitation from the central portion of the site.

The eastern one-third of the subject property consists of Parcel 5 (1.36 gross acres) and Parcel 6 (1.38 gross acres). These two parcels are bisected by a hill slope approximately 15-feet in elevation that trends north-south. The eastern half of Parcels 5 and 6 are improved with an active oil field “horse-head” type pumping unit and surface and subsurface pipelines for oil delivery. The oil field infrastructure is on a lease basis with the property owners.

8.1 Hazardous Substances

There were no visual indications of the presence of hazardous materials located within the limits of the subject site during the property inspection associated with an identified, or unidentified use. However, oil field infrastructure was identified onsite including an active oil field “horse-head” type pumping unit and surface and subsurface pipelines for oil delivery.

8.2 Natural Drainage

Natural waterways are not currently located on the Property; however, the San Gabriel River is immediately to the south of the subject site. Storm water from the site currently sheet flows offsite and a shallow drainage swale was observed in the central portion of the subject site that drains into another swale along the south property boundary.

8.3 Disturbed Areas

The eastern portion of the site is developed with oil field infrastructure including an active oil field “horse-head” type pumping unit and surface and subsurface pipelines for oil delivery. The site was additionally used as a landfill during 1960-1961. No permanent structures are currently located onsite.

8.4 Hydraulic Equipment

No in-ground hydraulic equipment was observed on the Property.

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8.5 Electrical Equipment

No transformers were identified within the subject property during the site inspection. Regional electric transformers are owned and operated by Southern California Edison (SCE).[5] According to information obtained from SCE, all transformers within the SCE power distribution network suspected of containing PCBs in concentrations exceeding 50 parts per million were removed and replaced by 1987. Manufacture of PCB-containing electric power transformers was discontinued in 1984.

8.6 Wastewater

There were no indications of wastewater disposal at the subject site. Storm water runoff at the site sheet flows offsite and into the adjacent San Gabriel River.

8.6.1 Sewage Disposal Systems

A subsurface sewer system is not currently installed at the subject property.

8.6.2 Pools of Liquid

AEC did not identify any areas of standing surface water during this site assessment.

8.6.3 Pits, Ponds, or Lagoons

AEC did not identify any onsite pits, ponds, or lagoons during this site assessment.

8.6.4 Drains and Sumps

AEC did not identify any drains or sumps during this site assessment, however, former oilfield sumps may have previously been located along the east portion of the subject property.

8.7 Solid Waste Disposal

No indication of current solid waste disposal at the subject site was identified during the site inspection. Small stockpiles of soil and construction debris were identified onsite; however contained only inert soil, concrete and asphalt. Windblown trash and debris were additionally observed onsite. However, historically the 7-acre property was leased from the Bixby Ranch Company in 1960 by City Dump and Salvage, Inc. of Long Beach, California for the creation of the City Dump and Salvage Landfill #2. During September 1960, City Dump and Salvage received a permit from the County of Los Angeles, Industrial Waste Division, to accept waste in the eastern half of the site at a minimum of 300-feet from Pacific Coast Highway. The waste accepted at the facility was supposed to comply with the following criteria:

1) Non-water soluble, non-decomposable inert solids;
2) Ordinary household and commercial refuse, including decomposable organic refuse and scrap metal;
3) Garbage and market refuse.

The disposal of liquids, semi-liquids, and hazardous classified waste was not permitted. City Dump and Salvage commenced waste acceptance operations at the site in mid-1960 (prior to receiving an approved permit) and ceased operations in early 1961 after filling the landfill to its permitted capacity. Clients of the City Dump and Salvage landfill included the City of Long Beach, J & S Disposal Company (City of Lakewood), and the Veteran's Administration Hospital.

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8.8 Water Supply

There is currently no municipal drinking water supply for the subject property.

8.9 Storage Tanks

There were no fill tubes, vent lines, dispensers, islands, or other visual indications of the existence of underground or aboveground storage tanks observed within the limits of the subject property at the time of AEC's site inspection.

8.10 Designated Wetlands

Under the U. S. Army Corps of Engineers regulations, wetlands[6] are defined as "those areas that are inundated or saturated by surface or ground water at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions." Wetlands generally include swamps, marshes, bogs and similar areas such as sloughs, prairie potholes, wet meadows, river overflows, mud flats, and natural ponds.

Based on review of the subject site, there are no areas on the subject, or nearby property that would be defined as Designated Wetlands Areas.

8.11 Asbestos-Containing Materials (ACMs)

Asbestos Containing Materials (ACMs) were commonly used in a wide variety of building products such as roofing shingles, composite siding, linoleum flooring, acoustic ceiling tiles, furnace and water heater exhaust piping and insulation, glues and mastics, stucco, joint compounds, and composite wallboards prior to 1980. ACMs can be divided into material considered friable (easily crumbled or reduced to powder) and non-friable. Friable ACMs are regulated as hazardous materials due to the elevated long-term risk of developing lung cancer upon respiratory exposure and must be properly removed prior to renovation or demolition of any structure containing these materials. Due to the absence of any buildings constructed prior to 1980 the presence of asbestos is not suspected.

In addition to structures, ACMs have been historically used as "transite" irrigation piping within many agricultural parcels throughout California. No transite piping or asbestos containing materials were visually identified on the subject property during the site reconnaissance portion of this assessment.

8.12 Radon

Radon[7] is a colorless, odorless, tasteless, naturally occurring radioactive gas formed by the decay of uranium in soil and bedrock. Because uranium and radon occur naturally in varying amounts within rocks and soils found throughout the United States, radon is present in all the air that we breathe. Long-term exposure to elevated concentrations of radon in confined areas has been associated with an increased risk of lung cancer. The present action levels require exposure to concentrations of at least four picocuries/liter (4 pCi/L) of radon over an extended period of time. The State of California Department of Health Services conducted radon surveys across portions of Los Angeles County, during 1990. Los Angeles County has been classified as Zone 2 which has a predicted average indoor radon screening level between 2 and 4 pCi/L. Sampling in the area of the subject property (Zip Code 90803) indicated that 0 out of 48 tests exhibited concentrations higher than 4 pCi/L. The United States Environmental Protection Agency (EPA) and the Surgeon General presently recommend that all homes in the United States be individually tested for radon.

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8.13 Lead

According to information published by the United States Department of Housing and Urban development (HUD),[8] approximately three out of every four pre-1978 buildings contain lead-based paint and/or lead plumbing components. Due to the absence of any buildings constructed prior to 1980 the presence of lead-based paint is not suspected, however, waste associated with the former landfill may contain lead or lead-based products.

Lead sampling is not included within the scope of this assessment.

8.14 Odors

Strong, pungent, or noxious odors were not identified at the subject property during this site assessment.

8.15 Heating and Cooling

No HVAC (Heating, Ventilation, and Air Conditioning) units are currently located onsite.

8.16 Stains or Corrosion

AEC did not identify any obvious stains or corrosion during this site assessment with the exception of minor mineralization of the surface soils in low areas where surface water appears to accumulate and percolate into the underlying soils and/or evaporate.

8.17 Stressed Vegetation

AEC did not observe any areas with stressed vegetation during this site assessment.

9.0 INTERVIEWS, DATA GAPS, AND PRIOR REPORTS

9.1 Interviews

9.1.1 Interview with Owner and/or Site Representative

AEC is aware that some of the previous owners of this property perished in a plane crash. The current owner, Lyon Housing (Pumpkin Patch) XLV, LLC, has communicated that the previous owners, along with the Pumpkin Patch tenants, do not use, store, or dispose of hazardous substances or wastes during their seasonal operations.

9.1.2 Interview with User

The owner of the subject property is also considered the user for this assessment; therefore, the interview is discussed above in Section 9.1.1.

9.1.3 Interview with Local Government Officials

Ms. Natalie Gonzalez, City of Long Beach Fire Department (CLBFD), was provided a written request from AEC regarding any environmental inspection records the City may have for the subject property. In addition, Ms. Gonzalez was interviewed by AEC regarding any personal knowledge she may have regarding the subject site. Ms. Gonzalez indicated that she has no personal knowledge of the property. In addition, the Building Department and the South Coast Air Quality Management District were contacted for records; however personal interviews were not conducted. Details of the applicable file reviews are discussed in Section 11.2.

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9.2 Data Gaps

A data gap is generally defined as a lack of or inability to obtain information required by this practice despite good faith efforts by the environmental professional to gather such information. Data gaps may include insufficient historical information, the inability to interview person(s) with direct site knowledge, or lack of access to all areas during the investigation.

Based on aerial photos and topographic maps for the subject site that were reviewed from years 1928 through 2015 in approximate 10-year increments and site personnel interviewed having knowledge of the facility there are no apparent data gaps related to the subject site.

9.3 Prior Reports

AEC reviewed a report titled: "IT Corporation, Final Report, Assessment of the Bixby Ranch Company Sanitary Landfill for the Presence of Hazardous Substances", June 30, 1987. The report states that during September 1960 City Dump and Salvage received a permit from the County of Los Angeles, Industrial Waste Division, to accept wastes in the eastern half of the site at a minimum of 300-feet from Pacific Coast Highway.

City Dump and Salvage commenced waste acceptance operations at the site in mid-1960 (prior to receiving an approved permit) and ceased operations in early 1961 after filling the landfill to its permitted capacity. Clients of the City Dump and Salvage landfill included the City of Long Beach, J & S Disposal Company (City of Lakewood), and the Veteran's Administration Hospital.

The disposal permit allowed for the excavation and subsequent filling with refuse a trench that was excavated below the groundwater table in the eastern half of the current 4.25-acre site. Final cover of the landfill was completed by May 16, 1961. During March and April 1987, the IT Corporation (IT) drilled and sampled soil borings at the site to identify the varying depths of the refuse burial and to evaluate if there were hazardous concentrations of chemicals impacting soil and/or groundwater. The results of their sampling indicated that the landfill is typically rectangular-shaped, encompasses the eastern half of the property, and that the refuse in the central portion of the burial area extends to a depth of 30-feet below ground surface (bgs). The refuse in the landfill consists of newspaper, plastic, metal, wood, glass, plant debris, rubber tubes and tires, and green waste. IT also installed two groundwater monitoring wells at the site (MW-1 and MW-2A), and determined that groundwater is typically identified at 15-feet bgs, is primarily derived from sea water intrusion, and does not constitute a source of drinking water.

Soil samples collected from the borings were submitted for analysis as both composite and discrete. The results indicated total lead concentrations ranging between 3.3 mg/kg to 386 mg/kg. The California Human Health Screening Level (CHHSL) for lead in residential-use soil is 80 mg/kg and in commercial/industrial-use soil is 320 mg/kg. In addition, there was a detection of Arochlor 1248 (PCB with 48% chlorine by weight) of 4.2 mg/kg and the residential-use CHHSL is 0.089 mg/kg and the commercial/industrial use is 0.3 mg/kg.

AEC additionally performed Phase I/II Environmental Site Assessments for the subject property during 2011/2012. AEC also provided a subsequent Update to the initial ESA during July 2015. The reports and subsequent soil and groundwater investigation identified several environmental conditions associated with the former landfill and oil field infrastructure. The details of that investigation and additional recommendations are provided in the executive summary.

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10.0 SITE HISTORY

10.1 Historical Use Information

10.1.1 Aerial Photograph and Topographic Map Review

Historical aerial photographs and USGS Topographic Maps of the site were reviewed by an AEC representative who noted the following observations:

Map Date: 1925 **Quad: Long Beach** **Scale: 1"=2,000'**

The San Gabriel River Channel has not been straightened and the river meanders into a marsh around the subject property. Pacific Coast Highway terminates at the south boundary of the subject site.

Flight Date: 1928 **Flyer: Fairchild** **Scale: 1"=863'**

Pacific Coast Highway dead ends at the south side of the subject property then turns north along the north bank of the San Gabriel River channel. The western portion of the subject property is unoccupied and the eastern portion appears to be an active part of the Seal Beach Oil Field, which is occupied by pumping units, production sumps, and tank batteries. Two oil production sumps are visible on the central-eastern portion of the property. Across Pacific Coast Highway to the west is a large industrial site that appears to be associated with oil field production. The San Gabriel River channel has not been completed and the river and adjoining tributaries still flood the area.

Flight Date: 1938 **Flyer: Laval** **Scale: 1"=863'**

Pacific Coast Highway still forms the south boundary to the subject property, however, has been widened and now extends over the San Gabriel River. The western portion of the subject property is still unoccupied and the eastern portion appears to be an active part of the Seal Beach Oil Field which is occupied by additional pumping units, production sumps, and tank batteries. The two oil production sumps remain visible on the central-eastern portion of the property. Across Pacific Coast Highway to the west is still the large industrial site that appears to be associated with oil field production. The San Gabriel River channel has been completed to control flooding.

Flight Date: 1947 **Flyer: Fairchild** **Scale: 1"=863'**

Pacific Coast Highway still forms the south boundary to the subject property. The western portion of the subject property is still unoccupied and the eastern portion has an active derrick in place associated with the Seal Beach Oil Field. The oil field is occupied by additional pumping units, production sumps, tank batteries, and access roads. The two oil production sumps are no longer visible on the central-eastern portion of the property. Across Pacific Coast Highway to the west is still the large industrial site that appears to be associated with oil field production. The San Gabriel River channel is still visible along the south boundary.

Map Date: 1950 **Quad: Los Alamitos** **Scale: 1"=2,000'**

The San Gabriel River Channel has been straightened and Pacific Coast Highway has been widened and also extends over the river. Numerous oil wells are depicted extending to the eastern portion of the subject property.

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Flight Date: 1952 **Flyer: Pacific Air** **Scale: 1"=863'**

Pacific Coast Highway still forms the south boundary to the subject property. The western portion of the subject property is still unoccupied and appears to have been graded; the eastern portion still has an active derrick in place associated with the Seal Beach Oil Field. The oil field is occupied by additional pumping units, production sumps, tank batteries, and access roads. Across Pacific Coast Highway to the west is still the large industrial site that appears to be associated with oil field production. The San Gabriel River channel is still visible along the south boundary.

Map Date: 1964 **Quad: Los Alamitos** **Scale: 1"=2,000'**

The San Gabriel River Channel forms the south boundary and Pacific Coast Highway extends over the river and forms the west boundary. Numerous oil wells remain depicted extending to the eastern portion of the subject property. The western portion of the site remains undeveloped.

Flight Date: 1968 **Flyer: Teledyne** **Scale: 1"=630'**

Pacific Coast Highway continues to be the south boundary to the subject property. The western portion of the subject property is still unoccupied and appears to have been recently graded; the eastern portion no longer has an active derrick in place. The oil field to the north and east remains occupied by pumping units, production sumps, tank batteries, and access roads. Across Pacific Coast Highway to the west is still the large industrial site that appears to be associated with oil field production. The San Gabriel River channel is still visible along the south boundary. Commercial development has begun along the west side of Pacific Coast Highway and residential development is occurring south of the San Gabriel River.

Map Date: 1972 **Quad: Los Alamitos** **Scale: 1"=2,000'**

The San Gabriel River Channel still forms the south boundary and Pacific Coast Highway defines the west boundary. Numerous oil wells remain depicted extending to the eastern portion of the subject property. The western portion of the site remains undeveloped.

Flight Date: 1976 **Flyer: Teledyne** **Scale: 1"=863'**

Pacific Coast Highway continues to be the south boundary to the subject property. The western portion of the subject property is still unoccupied; the eastern portion is still in oil field production. The oil field to the north and east remains occupied by pumping units, production sumps, tank batteries, and access roads. The large industrial site across Pacific Coast Highway to the west appears to be dismantling. The San Gabriel River channel is still visible along the south boundary. Commercial development has increased along both sides of Pacific Coast Highway north of the subject property and residential development has increased south of the subject site.

Map Date: 1981 **Quad: Los Alamitos** **Scale: 1"=2,000'**

The San Gabriel River Channel still forms the south boundary and Pacific Coast Highway defines the west boundary. Numerous oil wells remain depicted extending to the eastern portion of the subject property. The western portion of the site remains undeveloped.

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Flight Date: 1989 Flyer: USGS Scale: 1"=863'

Pacific Coast Highway continues to be the south boundary to the subject property. The western portion of the subject property is still unoccupied; the eastern portion remains in oil field production. The northern portion across Studebaker Road has now been commercially developed. The oil field to the north and east remains occupied by pumping units, production sumps, tank batteries, and access roads. The large industrial site across Pacific Coast Highway to the west appears to be dismantling. The San Gabriel River channel is still visible along the south boundary. Commercial and residential development has increased along both sides of Pacific Coast Highway both north and south of the subject property.

Flight Date: 1994 Flyer: USGS Scale: 1"=863'

There appears to be little change from the 1989 aerial.

Flight Date: 2003 Flyer: Google Scale: 1”=160’

No apparent change to the property from the 1994 photograph.

Flight Date: 2007 Flyer: Google Scale: 1”=160’

No apparent significant change to the property from the 2003 photograph.

Flight Date: 2011 Flyer: Google Scale: 1”=160’

No apparent significant change to the property from the 2007 photograph.

Flight Date: 2015 Flyer: Google Scale: 1”=160’

The site remains vacant and appears largely as it does today. Equipment associated with the seasonal pumpkin and Christmas tree sales remain within a fenced storage area along the southeast project boundary. The area to the east remains developed as an oil field and the area to the north remains commercial retail and office space.

11.0 ENVIRONMENTAL DATABASE AND AGENCY FILE REVIEW

11.1 Review of Federal, State, Tribal, and Local Government Databases

AEC contracted Environmental Data Resources (EDR)[9] to perform database searches of readily available Federal, State, and Local database information systems for the purpose of identifying known recognized environmental conditions present on nearby properties which have the potential to adversely impact the site being assessed in this study.

A database search for sites listed on various federal, state, tribal, and local databases in the area around the Property was obtained. A description of each of the databases searched is included in the report, which is attached as Appendix B. Among the databases included in the EDR report are NPL (federal, tribal, and state-equivalent), proposed and delisted NPL, CORRACTS (RCRA facilities subject to corrective actions), hazardous waste sites identified for investigation or remediation (CERCLIS, State CERCLIS, VCP, Brownfields, Calsites, etc.), LUST, sites with engineering controls, former CERCLIS (NFRAP), RCRA and state hazardous waste generators, ERNS, SWLF, USTs, and Toxic Pits.

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The review of the records satisfies all requirements as set forth in 40 CFR Section 312.26 (b) and (c) with regard to the review of federal, tribal, and state government records of databases of such government records and local government records and databases of such records pertaining to both the subject property and the nearby or adjoining properties. Further, the search distances for each particular database are as specified in 40 CFR 312.26.

Any known or suspected contaminated sites included on these lists within 0.25 miles of the Property are discussed in the following text. As a general rule, sites beyond 0.25 miles are not anticipated to impact a site significantly. Any sites beyond 0.25 miles with a high potential to impact the Property are also discussed. (Please note: the distances and directions listed in this report have been field verified and might not always match those in the EDR report.)

Sites such as TSD facilities, hazardous waste generators, HAZNET, FINDS, SQGs, LQGs, USTs, HIST UST, RCRA violations, and TRIS facilities with toxic chemical releases (generally in accordance with permitting requirements - into the air, water, or land as reported under SARA Title III) use or store hazardous materials and thus may pose a potential problem in the event of a spill or leak. However, unless these sites also appear in an agency list of contaminated sites, there is no evidence of any problems at this time. Therefore, sites on these lists will not be discussed unless on or in close proximity to the Property.

A review of the EDR Database Report indicates that the subject property, and nearby surrounding properties, were identified in the database search. The nearest property identified is described as City Dump and Salvage #2 and is 0.016-mile to the southwest, however, AEC is aware that that specific entity formerly operated at the subject site.

Below is a listing of the databases researched.

Databases Reviewed	Search Distance (SD)	Number of Sites Within SD
Federal National Priorities List (NPL) Site List	1-Mile	0
Federal Delisted NPL Site List	1-Mile	0
Federal Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS)	1/2-Mile	1
Federal CERCLIS No Further Remedial Action Planned (NFRAP) Sites	1/2-Mile	0
Federal RCRA CORRACTS List	1-Mile	2
Federal RCRA non-CORRACTs TSD List	1/2-Mile	1
Federal RCRA Generators List	1/4-Mile	1
Federal Institutional/Engineering Control Registries	1/2-Mile	0
Federal ERNS List	On-Site	0
California and Tribal Lists of NPL Equivalent Hazardous Waste Sites Identified for Investigation and/or Remediation	1-Mile	0
California and Tribal Lists of CERCLIS Equivalent Hazardous Waste Sites Identified for Investigation and/or Remediation	1-Mile	8
California and Tribal Landfills or Solid Waste Facilities List	1/2-Mile	3
California and Tribal Leaking Underground Storage Tank (LUST) Facility List	1/2-Mile	14
California and Tribal Registered Storage Tank Facility List	1/4-Mile	1
California and Tribal Voluntary Cleanup Sites	1/2-Mile	1
Local Brownfields Sites	1/2-Mile	0
Local Landfill/Solid Waste Disposal Sites	On-Site to 1/2-Mile	3
Local List of Hazardous Waste/Contaminated Sites	On-Site to 1-Mile	2
Local List of Registered Storage Tanks	1/4-Mile	5

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Databases Reviewed	Search Distance (SD)	Number of Sites Within SD
Local Land Records	On-Site to 1/2-Mile	0
Records of Emergency Release Reports	On-Site	0
Other Ascertainable Records	On-Site to 1-Mile	13

11.2 Regulatory Agency Records

11.2.1 City of Long Beach Building Department[10]

The City of Long Beach Building Department maintains records of building permits. As part of the initial 2011 ESA, AEC contacted the building department for the addresses 6501 and 7001-7009 East Pacific Coast Highway. No records were obtained for 7001-7009 East Pacific Coast Highway; records obtained for 6501 East Pacific Coast Highway pertained to the construction of a Claim Jumper and Bobby McGee's restaurants. AEC submitted a request to the Building Department for any additional permits during the April 2016 assessment and the following permits were identified:

Final Date	Type	Application No.
6/29/2010	Temporary electrical for pumpkin patch	BELE31902
12/28/2010	Temporary electric for seasonal "pumpkin patch"	BELE86701
6/25/2012	Temporary power for seasonal Pumpkin Patch &amp	BELE127636
2/14/2013	Temporary electric power for seasonal pumpkin patch	BELE138985
4/9/2014	Installation of temp electrical power for pumpkin patch	BELE157252
	EXPIRED Electrical: Installation of temp electric	BELE168566
	Electrical: Installation of temporary power for pumpkin patch	BELE181564
	CHRISTMAS TREE LOT---2004	ILMS00419324
	CHRISTMAS TREE LOT—2005	ILMS00452740
10/1/1999	PUMPKINS/CHRISTMAS TREES SALES;ELECTRIC	ILMS00285471
10/4/2000	ELECTRIC ONLY FOR SEASONAL RETAIL SALES	ILMS00310108
	TEMPORAY ELECT FOR RETAIL SALES/ACTIVITIES	ILMS00334792
10/7/2002	TEMPORARY ELEC FOR HOLIDAY RETAIL SALE/ACTIVITIES	ILMS00361825
10/7/2002	TEMPORARY ELEC FOR HOLIDAY RETAIL SALE/ACTIVITIES	ILMS00388749
11/24/2004	TEMP ELECTRICAL FOR PUMPKIN PATCH/CHRISTMAS TREE LOT	ILMS00414663
10/10/2005	TEMP ELECTRIC FOR PUMPKIN AND CHRISTMAS TREE LOT	ILMS00447357
9/29/2006	TEMP ELECTRIC FOR PUMPKIN AND CHRISTMAS TREE LOT	ILMS00476974
9/28/2007	TEMP ELECT FOR PUMPKIN AND CHRISTMAS TREE LOT	ILMS00508230
1/5/2009	TEMPORARY ELECTRIC FOR PUMPKIN PATCH AND CHRISTMAS	ILMS00539877

11.2.2 City of Long Beach Environmental Health Agency[11]

The City of Long Beach Environmental Health Agency (LBEHA) maintains records of underground storage tanks (USTs) and incidents of unauthorized releases of hazardous materials from underground storage tanks at the subject site and surrounding areas. AEC has contacted LBEHA and submitted a request for a file review and the response indicated that there are no records for the subject property.

11.2.3 City of Long Beach Fire Department[12]

The City of Long Beach Fire Department maintains records of hazardous materials releases from underground storage tanks and/or emergency responses. AEC submitted a request to the Fire Department to review historical records and the response indicated that there are no records for the subject property.

11.2.4 California Department of Conservation - Division of Oil & Gas[13]

The eastern portion of the subject property is part of the Seal Beach Oil Field. Historical aerial photographs, topographic maps, and DOGGR Map 132 indicate one active and one abandoned oil well on the subject property and numerous active and abandoned oil wells offsite of the subject property.

11.2.5 Los Angeles Regional Water Quality Control Board[14]

The Los Angeles RWQCB maintains similar records of underground storage tanks (USTs) and incidents of unauthorized releases of hazardous materials from underground storage tanks at the subject site and surrounding areas. A review of RWQCB GeoTracker records contained no reference to past or present underground storage tanks or monitoring wells pertaining to the area under review.

11.2.6 Office of the State Fire Marshal Pipeline Safety Division[15]

AEC located the subject property on the National Pipeline Mapping System and determined that a hazardous liquid pipeline is along the west boundary of the subject property.

12.0 VAPOR ENCROACHMENT SCREENING

ASTM Standard E 2600-10 Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions (VES) was used as guidance for conducting a VES for the subject property. The purpose of the screening is to determine whether a Vapor Encroachment Condition (VEC) exists from chemicals of concern (COC) that may migrate as vapors onto a property as a result of contaminated soil and groundwater on or near the subject property. The screening involves a two tiered approach to assessing VEC risk as described below.

12.1 VES Tier I

12.1.1 Search Distance Test/Chemicals of Concern Test

The search distance test involves a review of the regulatory database report and available historical records to make a determination if any *known or suspect potentially contaminated* properties exist within the Area of Concern (AOC). High risk sites are typically current and former gas stations, former and current dry cleaners, manufactured gas plants, and industrial sites (Brownfields). The AOC is defined as any up-gradient sites within the ASTM 1527 standard search distances and any cross or down-gradient sites within 1/3-mile for solvents and petroleum products.

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If the contamination at the known or potentially contaminated site within the AOC consists of COCs, then a potential Vapor Encroachment Condition (pVEC) exists and Tier II is recommended. If no known or potentially contaminated sites with COCs exist within the AOC, no further inquiry is necessary.

12.2 VES Tier II

12.2.1 Plume Test

The Plume Test assesses whether or not a plume is close enough to the property to result in a VEC.

1. Critical Distance Determination – Determine distance from property to edge of plume in any direction (vertical, horizontal, lateral).
2. VEC exists if a plume of volatile organic compounds (VOCs), semi-volatile organic compounds (S-VOCs), or Volatile Inorganic compounds or free petroleum product accumulating above water table within 100-feet of the property or if a plume of dissolved volatile petroleum hydrocarbons within 30-feet of the property.

The subject property is considered an area of potential Vapor Encroachment due to the former landfill located onsite. During development of the adjacent Market Place commercial buildings, an Air Quality Solid Waste Assessment Test was performed by SCS Engineers for the property immediately to the north. The assessment was conducted during July 1989 and the results presented by SCS Engineers indicate that subsurface methane concentrations were several orders of magnitude below the Lower Explosive Limit (LEL). The report stated that there has been no history of elevated methane concentrations and that the existing Landfill Gas migration control systems have proven effective and that further control measures are not warranted. Finally, the report implies that the landfill is well past the maximum stage of Landfill Gas Generation beneath The Market Place development.

It is the opinion of AEC that based on the proposed development of the subject site in an oil field related capacity, the potential for landfill gas is not a significant environmental concern for the subject property and no further investigation is warranted at this time.

13.0 USER PROVIDED INFORMATION

Specific information provided by the User is discussed below.

13.1 Title Records

A chain-of-title report was provided to AEC for review.

13.2 Environmental Liens or Activity and Use Limitations

No information pertaining to environmental liens or activity/use limitations filed against the Property was provided by the User or identified by AEC during this assessment.

13.3 Specialized Knowledge

The User has provided no historical investigation reports pertaining to the Property and/or the area around the Property.

13.4 Valuation Reduction for Environmental Issues

No information pertaining to Property valuation was provided by the User.

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14.0 FINDINGS AND CONCLUSION

Advanced Environmental Concepts (AEC) has conducted a Phase I Environmental Site Assessment (ESA) on 7.08 gross acres (6.95 net acres) of open ground identified as the Pumpkin Patch Property, having a primary street address of 6701 East Pacific Coast Highway (also identified as 7001 East Pacific Coast Highway), Long Beach, California. AEC also performed a subsurface investigation during 2012 at the subject property which included both soil and groundwater sampling. The subject property consists of three Parcels (Parcel 4, Parcel 5 and Parcel 6), legally identified by Assessor's Parcel Numbers (APNs) 7237-020-043, -044, and -045 and is within a portion of the Northwest Quarter of Section 11; Township 5 South, Range 12 West, of the San Bernardino Base & Meridian System.

Currently, the western two-thirds of the subject property, identified as Parcel 4 (approximately 4.34 gross acres), consists of perimeter-fenced level graded open ground that is used for seasonal pumpkin and Christmas tree sales during the fall and winter months. Access is from Studebaker Road through a swing gate attached to the chain link fence. Studebaker Road and an asphalt-paved parking lot associated with The Market Place commercial development form the north boundary, the San Gabriel River forms the south boundary, Pacific Coast Highway forms the west boundary, and the Seal Beach Oil Field forms the east boundary. Along the east boundary of the Pumpkin Patch portion of the site is an area secured with temporary fencing where trailers, storage containers and various equipment is stored; these items are used for the seasonal pumpkin and Christmas tree sales. AEC additionally identified a groundwater monitoring well at the southwest corner of the subject property (MW-1) that was a part of a prior onsite investigation; AEC also observed several offsite monitoring wells along the south property boundary that are installed in the asphalt-paved bike path adjacent to the San Gabriel River channel. A shallow drainage swale was also observed along the south boundary adjacent to the San Gabriel River channel that drains seasonal precipitation from the central portion of the site.

The eastern one-third of the subject property consists of Parcel 5 (1.36 gross acres) and Parcel 6 (1.38 gross acres). These two parcels are bisected by a hill slope approximately 15-feet in elevation that trends north-south. The eastern half of Parcels 5 and 6 are improved with an active oil field "horse-head" type pumping unit and surface and subsurface pipelines for oil delivery. The oil field infrastructure is on a lease basis with the property owners.

Historically, the property used to encompass land that extended north across Studebaker Road. That portion of the property has been developed with commercial office buildings during the mid-1980s (The Market Place). Passive gas venting probes were incorporated into the design and construction of the adjacent Market Place development and distress (slumping) can be observed within the asphalt-paved parking area that may be associated with former landfill and/or oilfield operations.

The approximate 7-acre property was leased from the Bixby Ranch Company in 1960 by City Dump and Salvage, Inc. of Long Beach, California for the creation of the City Dump and Salvage Landfill #2. AEC has reviewed a "Final Report, Assessment of the Bixby Ranch Company Sanitary Landfill for the Presence of Hazardous Substances", IT Corporation, June 30, 1987 and obtained the historical information regarding the landfill. During September 1960, City Dump and Salvage received a permit from the County of Los Angeles, Industrial Waste Division, to accept household and construction waste in the eastern half of the site at a minimum of 300-feet from Pacific Coast Highway. The waste accepted at the facility was supposed to comply with the following criteria:

- Non-water soluble, non-decomposable inert solids;
- Ordinary household and commercial refuse, including decomposable organic refuse and scrap metal;
- Garbage and market refuse.

The disposal of liquids, semi-liquids, and hazardous classified waste was not permitted. City Dump and Salvage commenced waste acceptance operations at the site in mid-1960 (prior to receiving an approved permit) and ceased operations in early 1961 after filling the "trench" landfill to its permitted capacity.

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The ESA process under ASTM Standard 1527 was created to identify *recognized environmental conditions* (RECs) which present a material risk of harm to public health or the environment and generally be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. The ESA process additionally identifies *controlled recognized environmental conditions,* which are specified under ASTM Standard 1527 as a REC resulting from a past release that has been addressed to the satisfaction of the applicable regulatory authority with hazardous substances allowed to remain in place subject to institutional controls; and/or *historical recognized environmental conditions*, i.e. conditions which may have presented a material risk to public health and/or the environment but have now been mitigated to the satisfaction of a regulatory agency at the subject property. The descriptive term "recognized environmental condition" means the presence, or likely presence, of any hazardous substances or petroleum products in, at, or on a property due to any release to the environment; under conditions that indicate an existing release, a past release, or a material threat of a release to the environment. In addition, AEC will identify non-ASTM conditions ("housekeeping conditions") which are considered de minimis and generally do not present a material risk of harm to public health or the environment and would not be the subject of an enforcement action if brought to the attention of an appropriate governmental agency.

The results of AEC's Phase I Environmental Site Assessment have identified no *housekeeping conditions,* one *onsite recognized environmental condition (REC),* one *offsite recognized environmental condition,* no *controlled recognized environmental conditions*, one *onsite historical recognized environmental condition,* and two *offsite historical recognized environmental conditions.*

Onsite Recognized Environmental Condition

- The subject property was leased from the Bixby Ranch Company in 1960 by City Dump and Salvage, Inc. of Long Beach, California for the creation of the City Dump and Salvage Landfill #2. AEC has reviewed a "Final Report, Assessment of the Bixby Ranch Company Sanitary Landfill for the Presence of Hazardous Substances", IT Corporation, June 30, 1987 and obtained the historical information regarding the landfill. During September 1960, City Dump and Salvage received a permit from the County of Los Angeles, Industrial Waste Division, to accept wastes in the eastern half of the site at a minimum of 300-feet from Pacific Coast Highway.

  City Dump and Salvage commenced waste acceptance operations at the site in mid-1960 (prior to receiving an approved permit) and ceased operations in early 1961 after filling the landfill to its permitted capacity. Clients of the City Dump and Salvage landfill included the City of Long Beach, J & S Disposal Company (City of Lakewood), and the Veteran's Administration Hospital.

  The disposal permit allowed for the excavation of a trench and subsequent filling with refuse that was dredged *below* the groundwater table in the eastern half of the current 4.25-acre site (Parcel 4). Final cover of the landfill was completed by May 16, 1961. During March and April 1987, the IT Corporation (IT) drilled and sampled soil borings at the site to identify the varying depths of the refuse burial and to evaluate if there were hazardous concentrations of chemicals impacting soil and/or groundwater. The results of their sampling indicated that the landfill is typically rectangular-shaped, encompasses the eastern half of the property, and that the refuse in the central portion of the burial area extends to a depth of 30-feet below ground surface (bgs). The refuse in the landfill consists of newspaper, plastic, metal, wood, glass, plant debris, rubber tubes and tires, and green waste. IT also installed two groundwater monitoring wells at the site (MW-1 and MW-2A), and determined that groundwater is typically identified at 15-feet bgs, is primarily derived from sea water intrusion, and does not constitute a source of drinking water.

  Soil samples collected from the borings were submitted for analysis as both composite and discrete. The results indicated total lead concentrations ranging between 3.3 mg/kg to 386 mg/kg. The California Human Health Screening Level (CHHSL) for lead in residential-use soil is 80 mg/kg and in commercial/industrial-use soil is 320 mg/kg. In addition, there was a detection of Arochlor 1248 (PCB with 48% chlorine by weight) of 4.2 mg/kg and the residential-use CHHSL is 0.089 mg/kg and the commercial/industrial use is 0.3 mg/kg.

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The analytical results for lead and PCBs obtained during the 1987 IT investigation did not exceed recommended action levels for that period. However, during the past 24 years, the acceptable concentrations for lead and PCB Arochlors have decreased dramatically. Therefore, it was previously recommended by AEC, that an updated subsurface soil and groundwater investigation be conducted within, and surrounding the landfill. It was recommended that selected soil and groundwater samples be analyzed for Total Petroleum Hydrocarbons as carbon chain (TPH-cc); Title 22 Metals, PCBs, Volatile and Semi-volatile Organic Compounds (VOCs and SVOCs), organo-phosphate pesticides and herbicides, and chlorinated pesticides and herbicides.

During 2012, AEC was contracted by Lyon Communities to investigate the current subsurface soil and groundwater conditions within the former landfill trench as well as outside the confines of the former landfill. Three cone-penetrometer (CPT) borings and four hollow-stem auger borings were performed onsite. AEC collected soil samples for laboratory analysis and also obtained “grab” groundwater samples from first encountered groundwater. Selected soil samples were analyzed for TPH-carbon chain (TPH-cc), Volatile Organic Compounds (VOCs), Poly-nuclear Aromatics (PNAs), Polychlorinated Biphenyls (PCBs), and Title 22 Metals or Lead. The results of the soil analyses indicates that the area of environmental impact exceeding regulatory-derived “actionable” concentrations occurs within the confines of the former landfill trench and confirmed with the soil samples obtained from B-1. The analytes that commonly exceeded regulatory-driven “actionable” concentrations were the Poly-nuclear Aromatics (PNAs) of which Naphthalene was the most common detection. Naphthalene is a common naturally occurring by-product of oil field production and is also a precursor to the anthropogenic formulation of other chemicals; therefore, would be expected to be identified within the confines of a former landfill from 1960 that is within the boundaries of an oil field that has been producing since the 1920s.

AEC recommended that permanent groundwater monitoring wells be installed at the subject property in the vicinity of the former landfill and quarterly groundwater monitoring be implemented to evaluate the upper contamination limits as well as vertical and horizontal extent of impacted groundwater at the subject property. A proposed groundwater monitoring well location map is included as Appendix D and the Los Angeles Section of the Regional Water Quality Control Board (RWQCB) has approved the Work Plan for the groundwater well installation.

Onsite Historical Recognized Environmental Condition

- The eastern portion of the subject property is part of the Seal Beach Oil Field. Historical aerial photographs, topographic maps, and Division of Oil, Gas and Geothermal Resources (DOGGR) Map 132 indicate one active and one abandoned oil well on the subject property and numerous active and abandoned oil wells offsite of the subject property.

  The DOGGR has a Direct Proximity Rule that requires active and/or abandoned oil wells in areas scheduled for future development to maintain a 10-foot set-back on two sides, a 50-foot set-back on a third side, and the fourth side left open. This rule has been established to ensure that abandoned wells can be accessed if future abandonment procedures become necessary and to limit the potential accumulation of methane gas within any structures. Construction can occur over abandoned oil wells if approved mitigation measures are undertaken (i.e. gas venting). If additional structures are constructed on the property, or the property is redeveloped, then the well locations should be verified to ensure that buildings are not placed over the abandoned wells.

  In addition, it was a common practice during the drilling of oil wells to excavate earthen sumps that would contain the produced oil and drilling fluids. Historically, the produced oil and drilling mud would have been backfilled within the sump following drilling and production and left in place. A review of the 1928 and 1938 aerial photographs indicates within the central-eastern portion of the site two side by side sumps adjacent to the drilling derrick. By 1947 the two sumps and the derrick had been removed. Therefore, during future grading the possibility of encountering crude oil and/or drilling fluids in this area is probable.

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If a historical sump is encountered during grading the following procedures will be necessary to mitigate the contents of the two former sumps in accordance with current applicable standards. The area of the sump(s) will need to be defined and the contents characterized by analyzing soil samples collected from the floor and sidewalls for TPH as carbon chain (TPH-cc); Volatile Organic Compounds (VOCs); Semi-Volatile Organic Compounds (SVOCs); PCBs; and Title 22 Metals. The concentrations of the analytes identified within the non-native material of the sump will then determine the location for offsite disposal at either a Class II or Class I Landfill.

Offsite Recognized Environmental Condition

- The property located north of the subject site at 6433 East 2nd Street is identified as the southern portion of the Bixby Ranch "A" Lease Oil Field, is owned by the City of Long Beach and the oil is produced by Synergy. This southern approximate 33-acre property had been classified as a PCB Superfund Removal Site. The entire site consists of the approximate 33-acre parcel south of 2nd Street; there is also a 142-acre parcel north of 2nd Street (175-acres total) which is also currently in operation as an active oil field. Soil samples obtained during April 2009 in the vicinity of platform-mounted electrical transformers on the approximate 33-acre property identified PCBs at concentrations as high as 21 mg/kg. Additional sampling was performed during October of 2009, however, AEC has been unable to obtain the analytical results at the time of this report. AEC did receive a No Further Action letter dated February 24, 2010 from the Region 9 Section, US EPA to the LCW Oil Operators, LLC indicating that LCW Oil Operators had completed the removal of the hazardous substances from the property at 6433 E. Second Street pursuant to the General Notice Letter issued on May 13, 2009 (Appendix E).

  Based on the presence of a No Further Action letter stating that the removal has been successfully completed AEC recommends no further review is necessary for the adjoining offsite property. However, PCB analysis has been included as part of the proposed soil and groundwater monitoring assessment Work Plan that was requested by, and been approved by the RWQCB.

Offsite Historical Recognized Environmental Conditions

- During the late 1980s, during development of the northern portion of the property that is north of Studebaker Road, active and passive subsurface gas migration control measures were implemented by the Bixby Ranch Company. These control measures were implemented to prevent landfill gas migration into The Market Place commercial development. In addition, SCS Engineers prepared an "Air Quality Solid Waste Assessment Test (Air SWAT)" for the Bixby Ranch Company on the portion of the area developed with The Market Place commercial buildings. The assessment was conducted during July 1989 and the results presented by SCS Engineers indicate that subsurface methane concentrations were several orders of magnitude below the Lower Explosive Limit (LEL). The report stated that there has been no history of elevated methane concentrations and that the existing Landfill Gas migration control systems have proven effective and that further control measures are not warranted. Finally, the report implies that the landfill is well past the maximum stage of Landfill Gas Generation beneath The Market Place development.

  It is the opinion of AEC that based on the proposed development of the subject site in an oil field-related capacity, the potential for landfill gas is not a significant environmental concern for the subject property and no further investigation is warranted at this time.

- AEC reviewed a report titled, "Groundwater Monitoring and Limited Environmental Site Assessment Report", Pipeline Release 7-acre Parcel, 6501 East Pacific Coast Highway, Long Beach, California, prepared by Ninyo & Moore on August 10, 2005 regarding a release of oil from a pipeline in the easement along the south subject property boundary (north bank of the San Gabriel River).

  Prior to conducting their own investigation, Ninyo & Moore reviewed the November 2004 report titled, "Summary Report, Bryant Lease, Emergency Response", Seal Beach, California, by Blasland, Bouck & Lee, Inc. (BBL). The report transmittal dated November 1, 2004, is addressed to Mr. David Craig of

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Chevron Environmental Management Company. Ninyo & Moore also reviewed the report titled, "Investigation of Hydro-carbon Release Event" near Seal Beach on the San Gabriel River, by Exponent, dated August 2004.

Based on their review of these reports, Ninyo & Moore understood that a 4-inch-diameter petroleum pipeline operated by ChevronTexaco failed a hydrostatic pressure test, sometime prior to July 29, 2004, adjacent to the southern corner of the site. According to BBL, the pipeline carries crude oil. During the pressure test, hydrocarbon sheen was noted on the water in the San Gabriel River immediately below the area where the pipeline is located. The sheen was reported to have originated behind the riprap-lined channel embankment along the river. ChevronTexaco representatives notified regulatory agencies, emergency action was implemented, and the sheen was contained. The soil over the pipeline was excavated and a 90-degree elbow was observed to be corroded and cracked. Soil, water, and sheen samples were collected by ChevronTexaco representatives, and laboratory results were provided to the United States Coast Guard and the California Department of Fish and Game. The groundwater flow direction beneath the site was interpreted to be toward the south-southeast.

From August 3, 2004 through August 8, 2004, seven 4-inch soil vapor extraction (SVE) wells (EW-1 through EW-7) were installed by BBL. Six of these wells (EW-1 through EW-6) were found to contain measurable free product floating on the groundwater. From August 6, 2004 through August 16, 2004, liquid was removed from well EW-3 (the well with the thickest free product) and EW-6 via vacuum truck.

On August 7, 2004, a two-phase (vapor and fluid) thermal oxidizer unit, blower unit, associated Baker Tank, and associated system piping were installed and the system was activated. The BBL report does not indicate which wells were connected to the recovery system. Extraction data from August 6, 2004 through September 16, 2004, were provided to Bixby by ChevronTexaco. However, it is unclear if the recovery system continued to operate beyond September 16, 2004, and there was no recovery system present at the site during 2005.

A soil gas survey including the installation of 14 vapor points was performed by BBL on August 9 and 10, 2004, in the vicinity of the pipeline release. Samples were collected from each vapor point location at 6 to 10 feet below ground surface (bgs) and 14 to 16 feet bgs. These samples were analyzed for total petroleum hydrocarbons as gasoline (TPHg) and volatile organic compounds (VOCs). Elevated concentrations of TPH-g and VOCs were detected in some soil gas samples.

A soil investigation including the installation of eight soil borings was performed by BBL on August 11 and 12, 2004, in the vicinity of the pipeline release. The borings were advanced to total depths of 16 to 22-feet bgs. Water was encountered at the site from 3 to 18-feet bgs. According to BBL, continuous samples were collected from each boring based on the results of field observations and photo-ionization detector (PID) readings. These samples were analyzed for total recoverable petroleum hydrocarbons (TRPH), total petroleum hydrocarbons as diesel (TPH-d), total petroleum hydrocarbons carbon chain less than C13 (TPH-v), and VOCs. Elevated concentrations of some analytes were detected in some soil samples.

Six groundwater samples were collected concurrently with the previously described soil sampling. Two of the eight borings (SB-5 and SB-8) contained free product, so a groundwater sample was not collected. These six samples were analyzed for TRPH, TPH-d, TPH-v, and VOCs. Elevated concentrations of some analytes were detected in some of the groundwater samples.

Groundwater monitoring and sampling was conducted by BBL on three wells (EW-1, EW-7, and Existing Well) on August 13, 2004. Existing Well was installed approximately 120 feet northwest of the Lower Bike Path by others prior to the discovery of the pipeline leak. The construction details of Existing Well, including the screened interval, are unknown. The groundwater samples were analyzed for TRPH, TPH-d, TPH-v, and VOCs. Elevated concentrations of some analytes were detected in some groundwater samples. No detectable concentrations were reported in Existing

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Well. BBL installed four additional groundwater monitoring wells on August 25, 2004. Each of the wells and sampling points, except Existing Well, are within approximately 80 feet of the Lower Bike Path.

Based on information provided by the Bixby Ranch Company (Bixby), at the time of the work during 2004 the 7-acre parcel was owned by Bixby and bounded by Studebaker Road to the northwest, an active oil field to the northeast, a Los Angeles County Department of Public Works (LACDPW)-operated bike path followed by the San Gabriel River to the southeast, and Pacific Coast Highway to the southwest. The 4-inch-diameter petroleum pipeline runs in a pipeline easement paralleling the southeastern boundary of the parcel between the parcel and the San Gabriel River. Another pipeline operated by Breitburn Energy Company (Breitburn) is also located in the easement.

On August 4, 2005, Ninyo & Moore representatives contacted Ms. Martha Brock of Breitburn. According to Ms. Brock, Breitburn installed two manways to their pipeline in July 2005. At the time of their excavation activities, ChevronTexaco had repaired their pipeline and had backfilled their excavation. Documentation regarding the disposal (if any) of the soil excavated by ChevronTexaco and the sampling (if any) of import material was not provided. During Breitburn's excavation activities, soil with odors was segregated from soil with no odors. The soil with no odors was used (along with pea rock) as fill, and the soil with odors was stockpiled offsite (approximately 20 cubic yards).

During July 2005, Ninyo & Moore conducted additional subsurface sampling by drilling nine additional borings to approximately 23-feet bgs proximal to the area of the release in the pipeline easement. Soil samples were collected at intervals of 5-feet and a "grab" groundwater sample was collected from the borings and from five existing monitoring wells. The results of the Ninyo & Moore investigation indicate that the highest concentrations of hydrocarbons are present at the southern corner of the easement; that a release of petroleum hydrocarbons likely occurred in the southern corner of the easement; migrated vertically to groundwater; and then spread laterally on the groundwater primarily towards the San Gabriel River.

Based on a review of the Ninyo & Moore report, it is the opinion of AEC that no further investigation is required; however, future quarterly groundwater monitoring reports associated with the pipeline release should be reviewed to determine if the identified hydrocarbon contamination remains stable and offsite.

AEC has conducted this Update to the May 2011 Phase I Environmental Site Assessment and subsequent July 2015 ESA Update on the subject 7.08 gross acres (6.95 net acres) of open ground identified as The Pumpkin Patch, Long Beach, California (the Property) in conformance with the scope and limitations of ASTM Standard E1527-13. Any exceptions to, or deletions from this practice are described in Section 5.0 of this report. This assessment has revealed evidence of recognized environmental conditions in connection with the subject property. Therefore, based on the results of our investigation AEC recommends further investigation is warranted for the subject property.

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15.0 REFERENCES

1) Los Angeles County Assessor Department; 500 W. Temple Street, Room 225; Los Angeles, California 90012-2770; (213) 974-2111.

2) Geologic Map of California; State of California Resources Agency, Department of Conservation, Division of Mines and Geology.

3) United States Geological Survey - 7.5 Series Topographic Quadrangle Map Publications (Orange Quadrangle; 7.5 and 15-minute Series).

4) Soil Survey of Los Angeles County, California; United States Department of Agriculture, Soil Conservation Service.

5) Southern California Edison; P. O. Box 410; Long Beach, California 90802; (310) 491-2391.

6) Wetlands Law Tests Government Plan; Gregor I. McGregor, Esq.; Environmental Protection Volume 3, Number 9 - November 1992; Stevens Publishing Corporation; 225 North New Road; Waco, Texas 76710; (817) 776-9000.

7) California Statewide Radon Survey Screening Results; State of California Department of Health Services; 601 North 7th Street; Sacramento, California 95814; (916) 322-2040.

8) United States Department of Housing and Urban Development (HUD); 1615 West Olympic Boulevard; Los Angeles, California; (213)-251-7001.

9) EDR Environmental Data Resources; 440 Wheelers Farm Road; Milford, Connecticut 06461; (800) 352-0050.

10) City of Long Beach Building Department; 333 West Ocean Boulevard, 4th Floor; Long Beach, California 90802; (562) 570-LBDS

11) City of Long Beach Environmental Health; 2525 Grand Avenue, Long Beach, California; (562) 570-4131

12) City of Long Beach Fire Department; 3205 Lakewood Boulevard; Long Beach, California 90808; (562) 570-2500

13) State of California Department of Conservation - Division of Oil & Gas; 4800 Stockdale Highway; Bakersfield, California 93309; (661) 322-4031.

14) Los Angeles Regional Water Quality Control Board; 320 W. Fourth Street, Suite 200; Los Angeles, California 90013; (213) 576-6600.

15) Office of the State Fire Marshal Pipeline Safety Division; P.O. Box 944246 Sacramento, California 94244-2460; (916) 445-8477.

16.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

Advanced Environmental Concepts, Inc. appreciates the opportunity to provide our professional assistance to Mr. Ken Coulter and Beach Oil Mineral Partners on this project. If you have any questions regarding this assessment or if AEC can be of further service, please call us at (661) 395-1646.

In addition, I declare to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in Section 312.10 of 40 Code of Federal Regulations (CFR) 312. I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject site. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR 312.

Sincerely,

Advanced Environmental Concepts, Inc.

This report has been prepared by:

Peter Anderson
Senior Geologist

PROFESSIONAL GEOLOGIST
PETER G. ANDERSON
No. 8804
PROFESSIONAL
GEOLOGIST
STATE OF CALIFORNIA

This report has been reviewed by:

Jonathan L. Buck
Principal Geologist

REGISTERED GEOLOGIST
JONATHAN L. BUCK
RENEWAL DATE
2/28/17
No. 7468
STATE OF CALIFORNIA

Pumpkin Patch - April 2016

• ENVIRONMENTAL CONCEPTS WITH DESIGN IN MIND •
220 E. TRUXTUN AVENUE BAKERSFIELD, CA 93305 661/395-1646 FAX 661/395-1616

QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONALS

AEC staff is composed of one primary environmental professional that performs Phase I Environmental Site Assessments on a routine basis. Qualifications profile for this individual is provided in the following section.

Jonathan L. Buck

Mr. Buck received a Bachelor of Science degree in Geology from the University of California, Santa Barbara, in 1981 and was professionally engaged in the petroleum industry in various capacities through 1985. Mr. Buck joined the environmental industry in 1985 and formed **Advanced Environmental Concepts Inc.** in 1989. Since its inception, **AEC** has been a full service environmental consulting firm specializing in Phase I Environmental Site Assessments, UST programs, and soil and groundwater assessment and cleanup programs. Mr. Buck is a State of California Registered Geologist (#7468) and has performed numerous ESAs on diverse properties throughout California, Arizona, Oregon, and Washington.

Peter G. Anderson

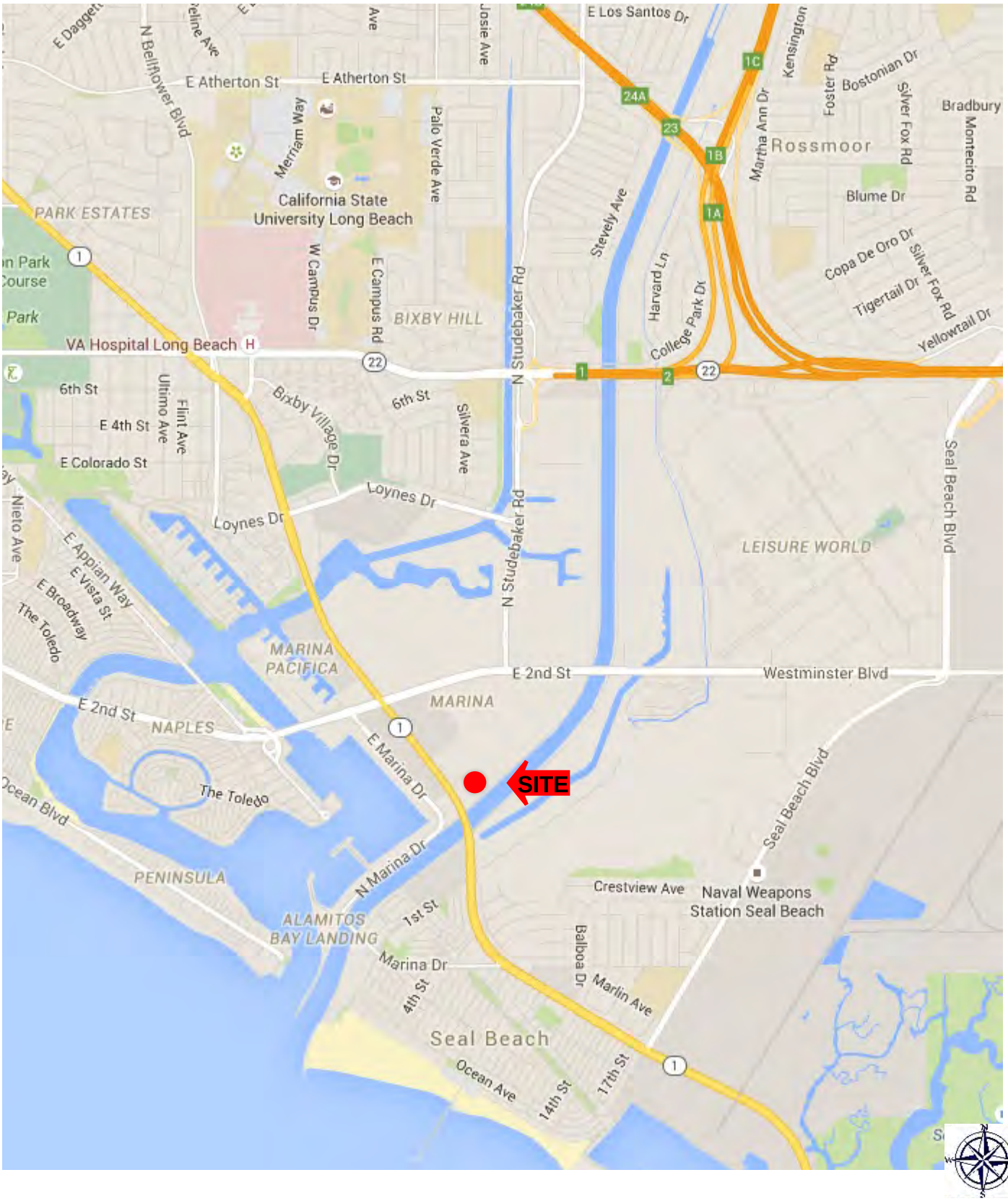
Mr. Anderson received a Bachelor of Arts degree in Geology from the Colorado College, in 2004 and a Master's Of Science from the University of California, Santa Barbara, in 2007. Mr. Anderson has been professionally engaged in the consulting engineering and environmental geology industry for over 8 years. Mr. Anderson is a State of California Registered Geologist (#8804) and Certified Engineering Geologist (#2596) and has performed numerous ESAs on diverse properties throughout California.

• ENVIRONMENTAL CONCEPTS WITH DESIGN IN MIND •

220 E. TRUXTUN AVENUE BAKERSFIELD, CA 93305 661/395-1646 FAX 661/395-1616

Appendix A

FIGURES AND SITE PHOTOGRAPHS



ADVANCED ENVIRONMENTAL CONCEPTS INC

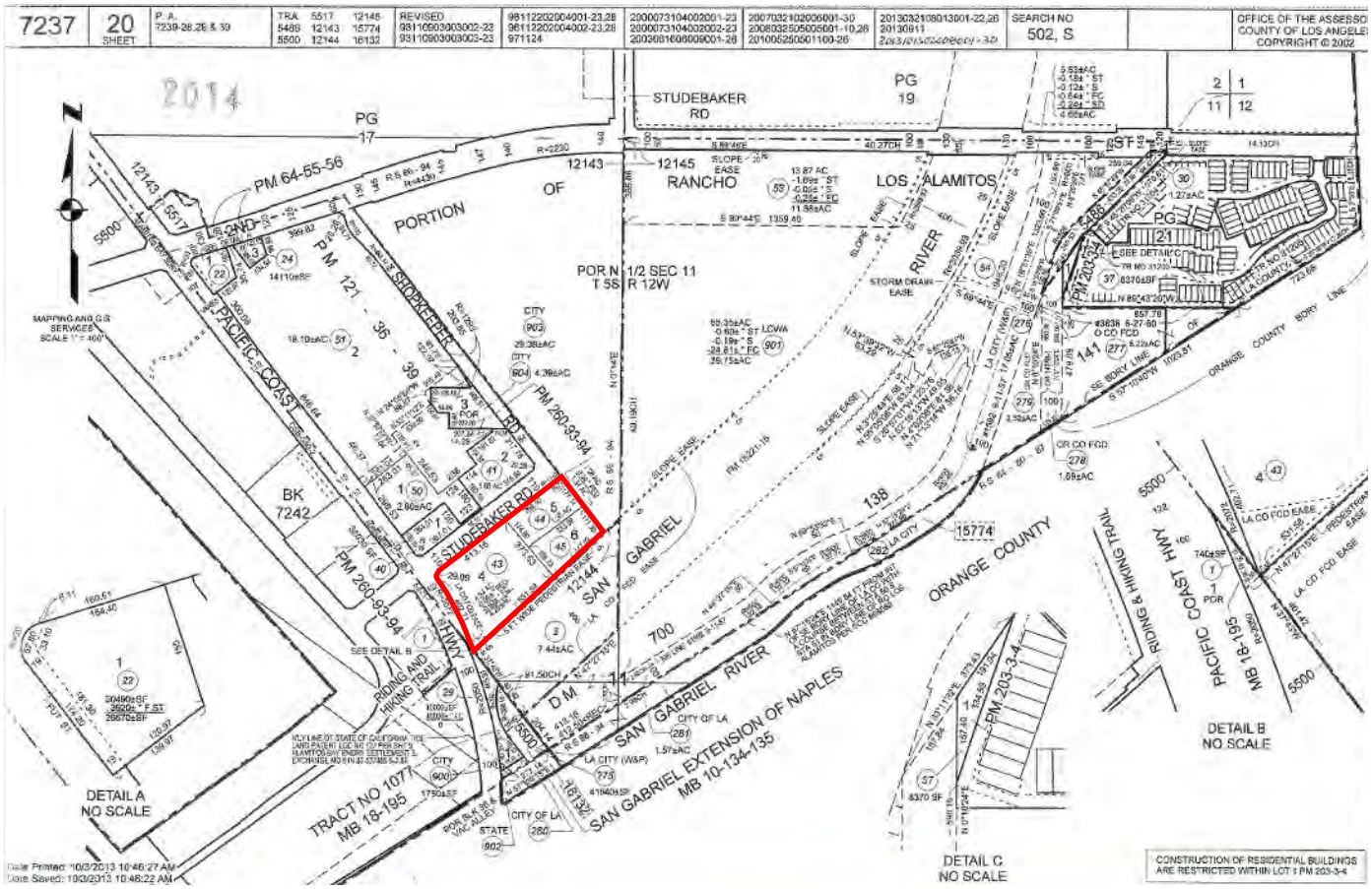
220 East Truxtun Avenue
Bakersfield, California 93305
(661) 395-1646

Site Location Map

Pumpkin Patch
6701 East Pacific Coast Highway
County of Los Angeles ● Long Beach, California

FIGURE

1



ADVANCED ENVIRONMENTAL CONCEPTS INC

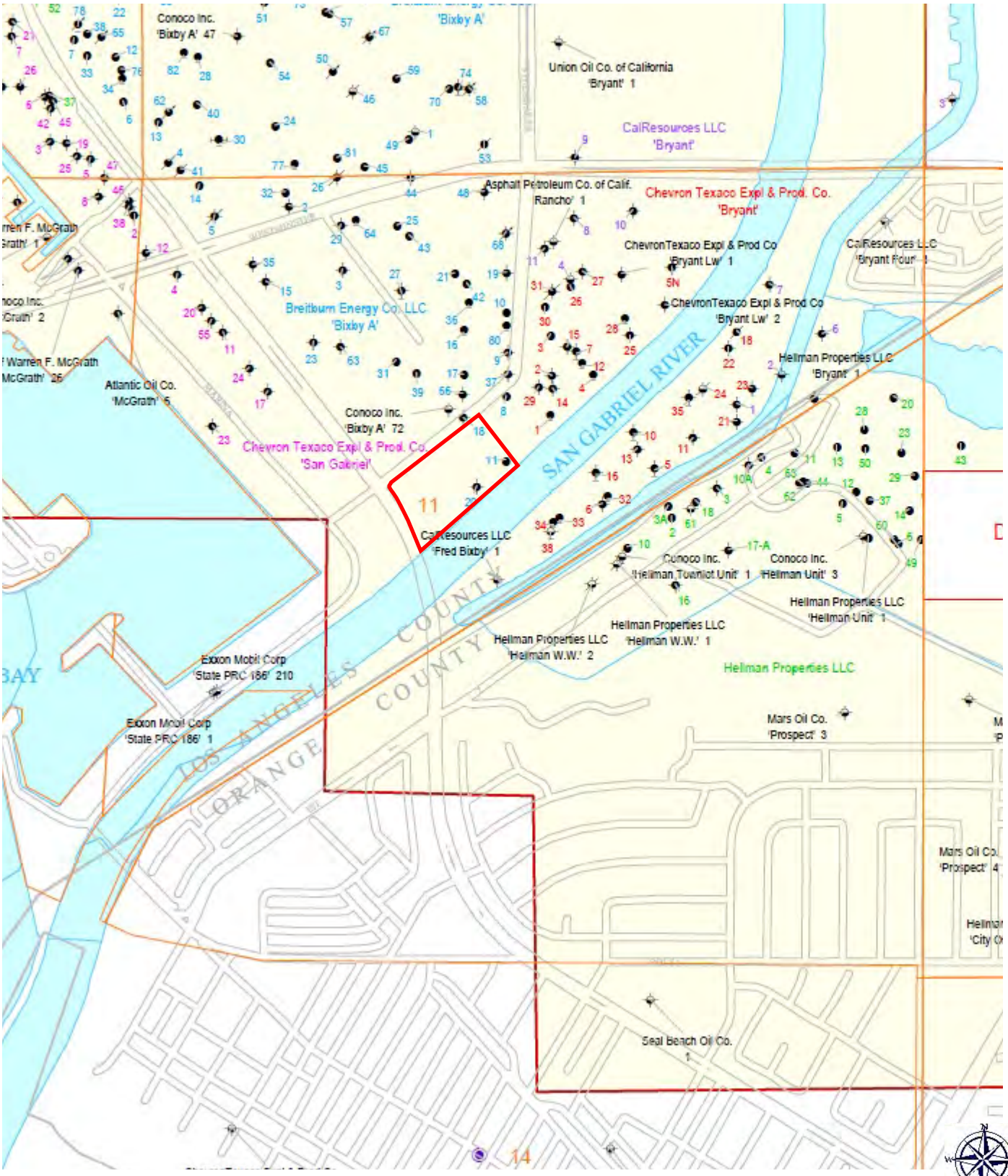
220 East Truxtun Avenue
Bakersfield, California 93305
(661) 395-1646

Assessor's Parcel Map

Pumpkin Patch
6701 East Pacific Coast Highway
County of Los Angeles ● Long Beach, California

FIGURE

2



ADVANCED ENVIRONMENTAL CONCEPTS INC
220 East Truxtun Avenue
Bakersfield, California 93305
(661) 395-1646

Division of Oil & Gas Map No. 132

Pumpkin Patch
6701 East Pacific Coast Highway
County of Los Angeles ● Long Beach, California

FIGURE

3

Gas Transmission Pipelines | Hazardous Liquid Pipelines | LNG Plants | Breakout Tanks

Highly Populated Areas | Other Populated Areas

2 record(s) found

OPERATOR ID	OPERATOR NAME	SYSTEM NAME	COMMODITY CATEGORY	COMMODITY DESCRIPTION	INTERSTATE DESIGNATION	PIPELINE STATUS CODE	GENERAL PERSON TO CONTACT	GENERAL ENTITY TO CONTACT	GENERAL ADDRESS	GENERAL PHONE/FAX/EMAIL
99999	ABANDONED	LINE_099	Empty Liquid		N	Abandoned	Null Null (Null)	NPMS STAFF	NA,NA, NA VA 0	Phone: (703) 317-6294 Null Fax: Null Email: npms@dot.gov
32103	CRIMSON PIPELINE L.P.	NORTHAM	Crude Oil		N	In Service	Roseanne Rother (Manager, Control Center and Regulatory Compliance)		2459 Redondo Ave.,Null, Long Beach CA 90755	Phone: (562) 595-9002 Null Fax: Null Email: rrother@crimsonpl.com

Legend

- Gas Transmission Pipelines
- Hazardous Liquid Pipelines
- Subject Property

ADVANCED ENVIRONMENTAL CONCEPTS INC

220 East Truxtun Avenue
Bakersfield, California 93305
(661) 395-1646

National Pipeline Map

Pumpkin Patch
6701 East Pacific Coast Highway
County of Los Angeles • Long Beach, California

FIGURE

4

Scale: 1" = 2,000' Quadrangle: Long Beach

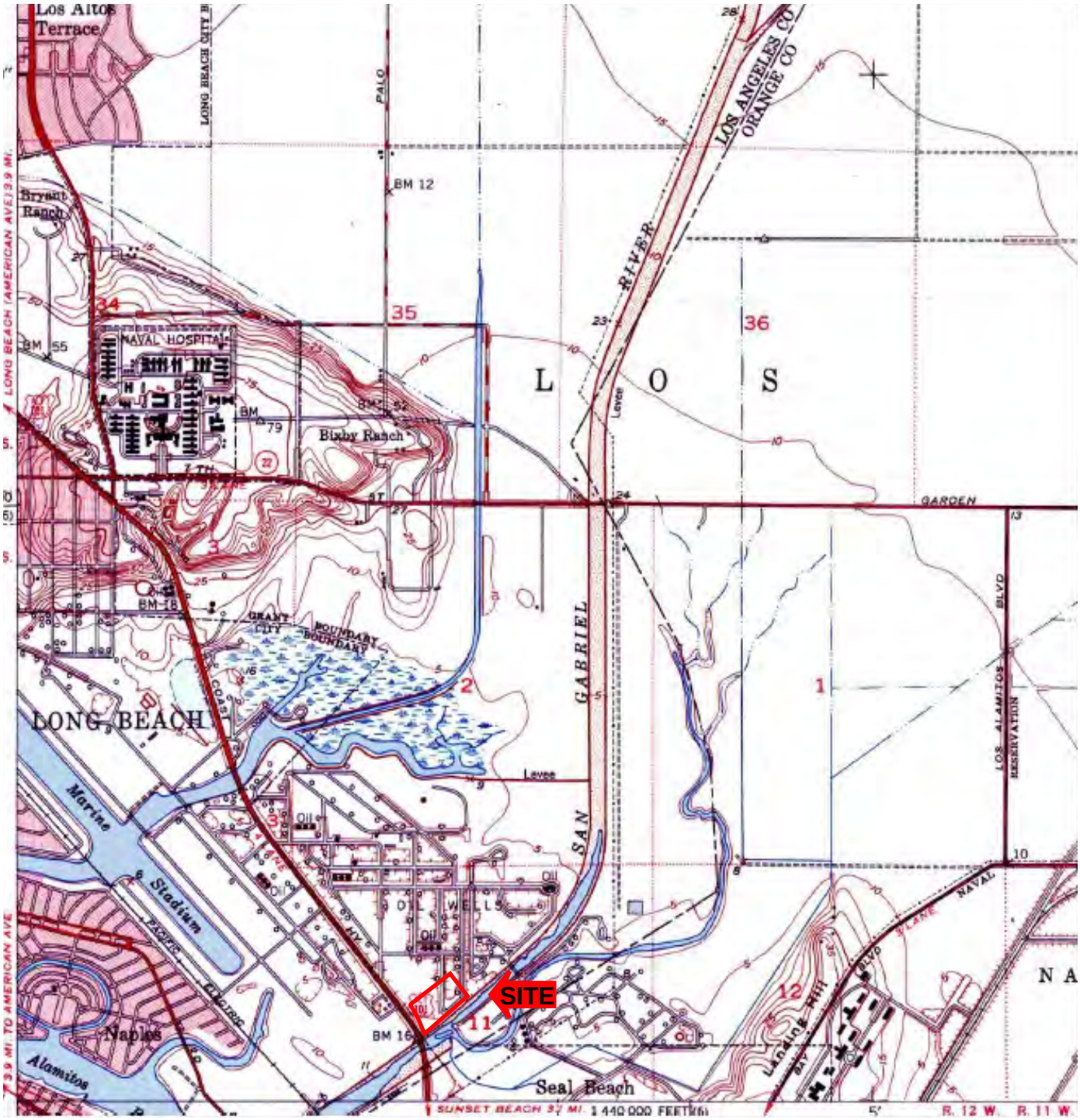
ADVANCED ENVIRONMENTAL CONCEPTS INC
220 East Truxtun Avenue
Bakersfield, California 93305
(661) 395-1646

1925 Topographic Map

Pumpkin Patch
6701 East Pacific Coast Highway
County of Los Angeles ● Long Beach, California

FIGURE

5



Scale: 1" = 2,000' Quadrangle: Los Alamitos

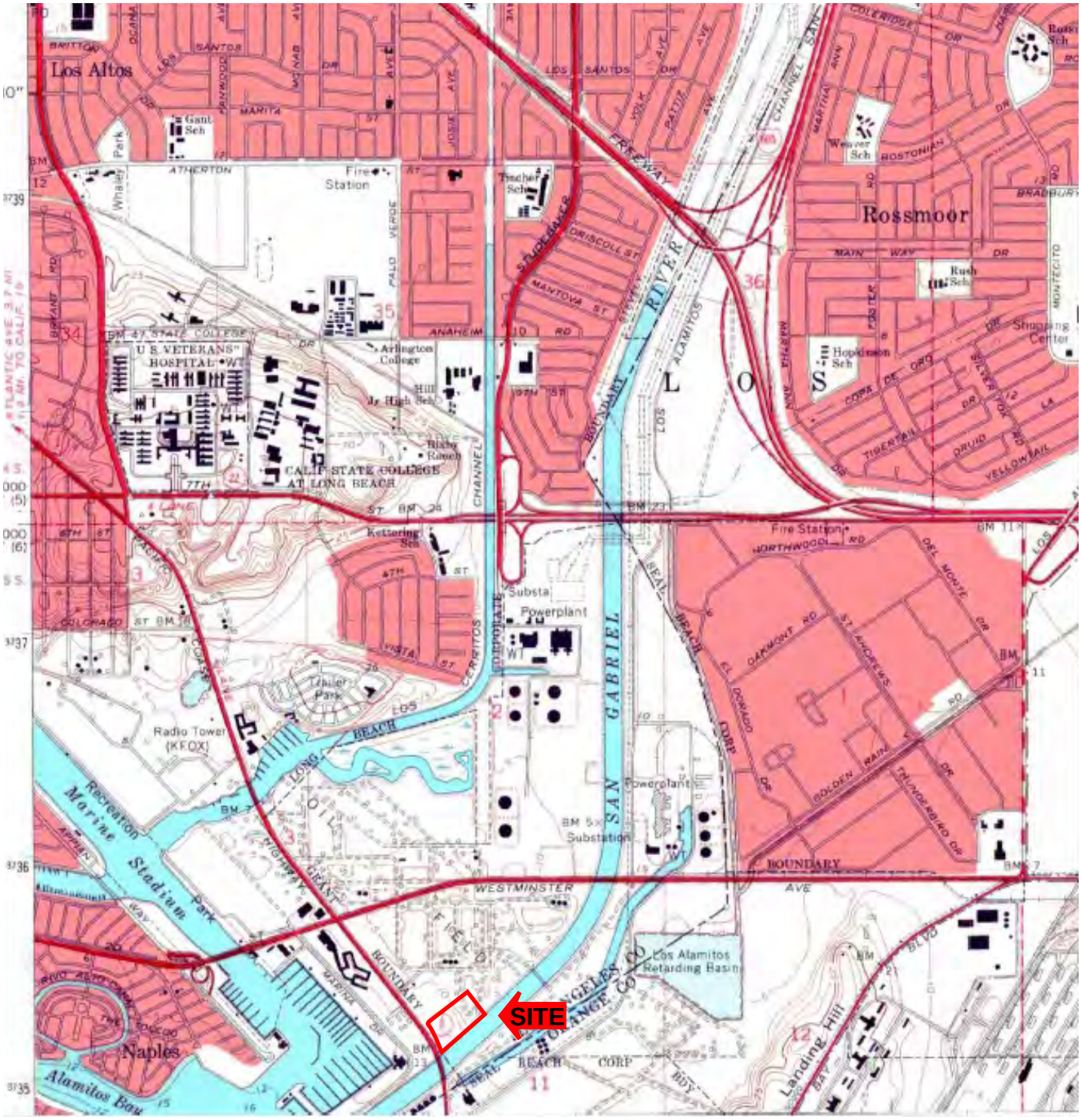
ADVANCED ENVIRONMENTAL CONCEPTS INC
220 East Truxtun Avenue
Bakersfield, California 93305
(661) 395-1646

1950 Topographic Map

Pumpkin Patch
6701 East Pacific Coast Highway
County of Los Angeles ● Long Beach, California

FIGURE

6



Scale: 1" = 2,000' Quadrangle: Los Alamitos

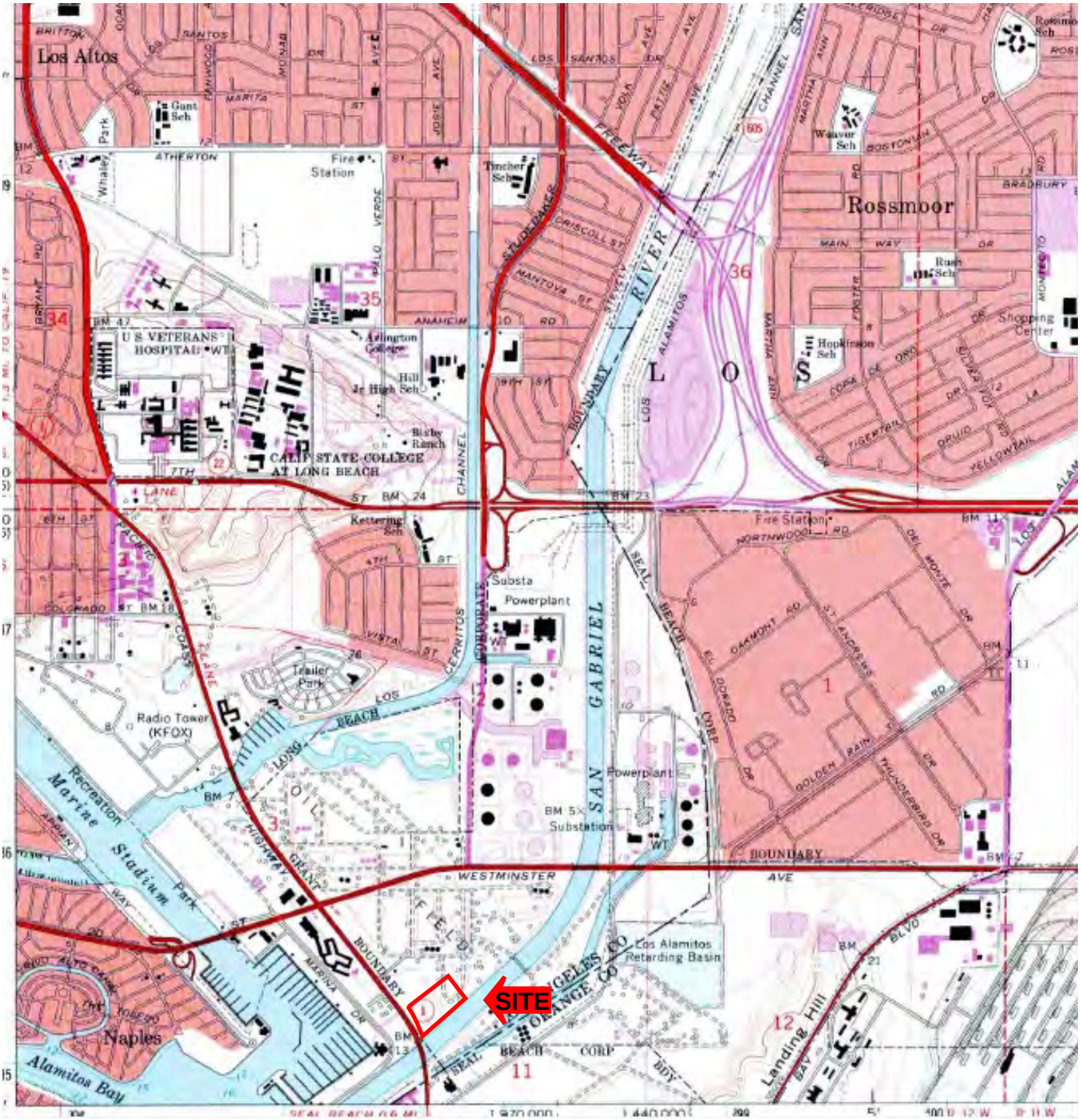
ADVANCED ENVIRONMENTAL CONCEPTS INC
220 East Truxtun Avenue
Bakersfield, California 93305
(661) 395-1646

1964 Topographic Map

Pumpkin Patch
6701 East Pacific Coast Highway
County of Los Angeles ● Long Beach, California

FIGURE

7



Scale: 1" = 2,000' Quadrangle: Los Alamitos

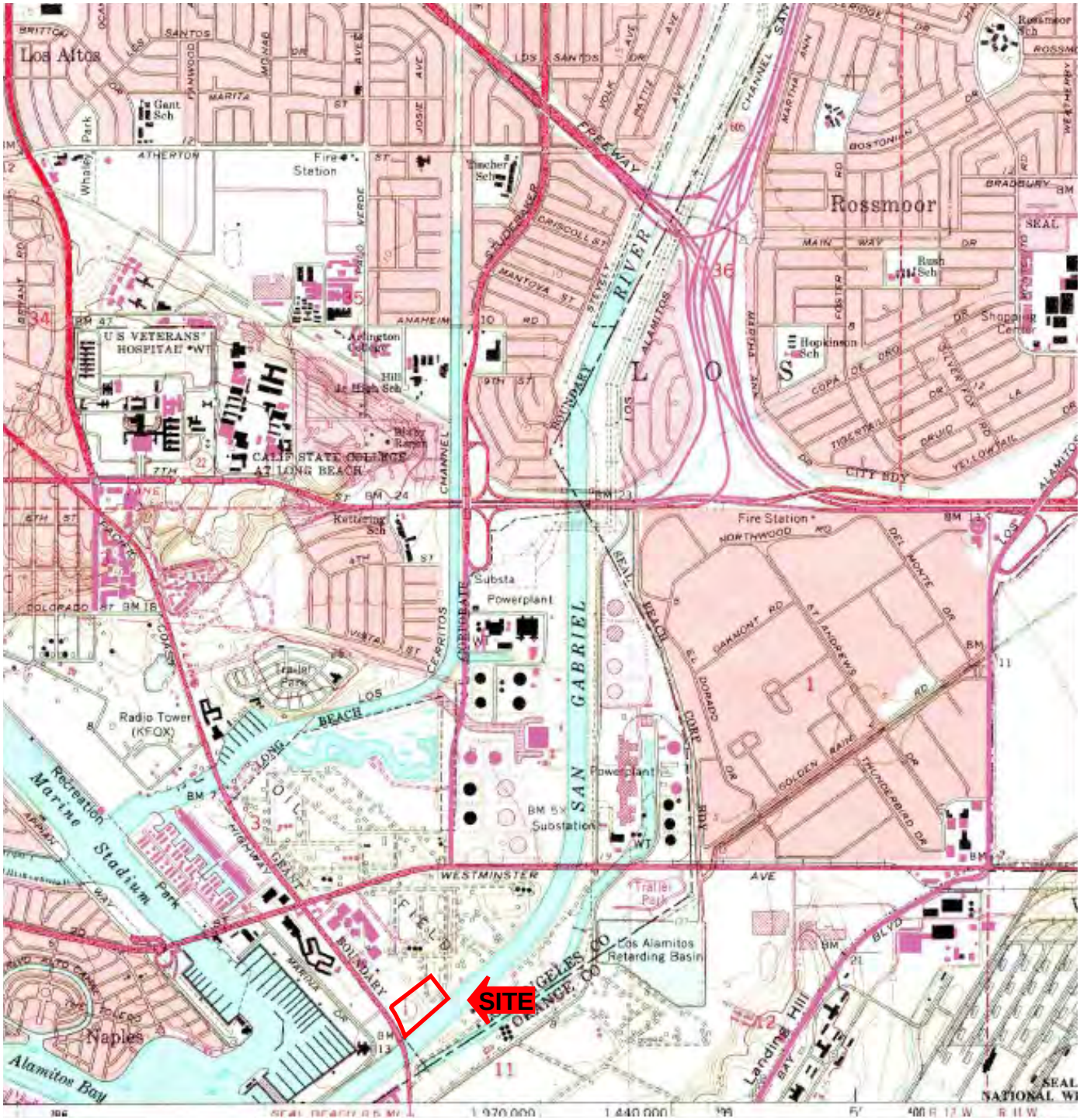
ADVANCED ENVIRONMENTAL CONCEPTS INC
220 East Truxtun Avenue
Bakersfield, California 93305
(661) 395-1646

1972 Topographic Map

Pumpkin Patch
6701 East Pacific Coast Highway
County of Los Angeles ● Long Beach, California

FIGURE

8



Scale: 1" = 2,000' Quadrangle: Los Alamitos

ADVANCED ENVIRONMENTAL CONCEPTS INC
220 East Truxtun Avenue
Bakersfield, California 93305
(661) 395-1646

1981 Topographic Map

Pumpkin Patch
6701 East Pacific Coast Highway
County of Los Angeles • Long Beach, California

FIGURE

9

Scale: 1” = 863’ Source: Fairchild

ADVANCED ENVIRONMENTAL CONCEPTS INC

220 East Truxtun Avenue
Bakersfield, California 93305
(661) 395-1646

1928 Aerial Photograph

Pumpkin Patch
6701 East Pacific Coast Highway
County of Los Angeles ● Long Beach, California

FIGURE

10

Scale: 1” = 863’ Source: Laval

ADVANCED ENVIRONMENTAL CONCEPTS INC

220 East Truxtun Avenue
Bakersfield, California 93305
(661) 395-1646

1938 Aerial Photograph

Pumpkin Patch
6701 East Pacific Coast Highway
County of Los Angeles ● Long Beach, California

FIGURE

11

Scale: 1” = 863’ Source: Fairchild

ADVANCED ENVIRONMENTAL CONCEPTS INC

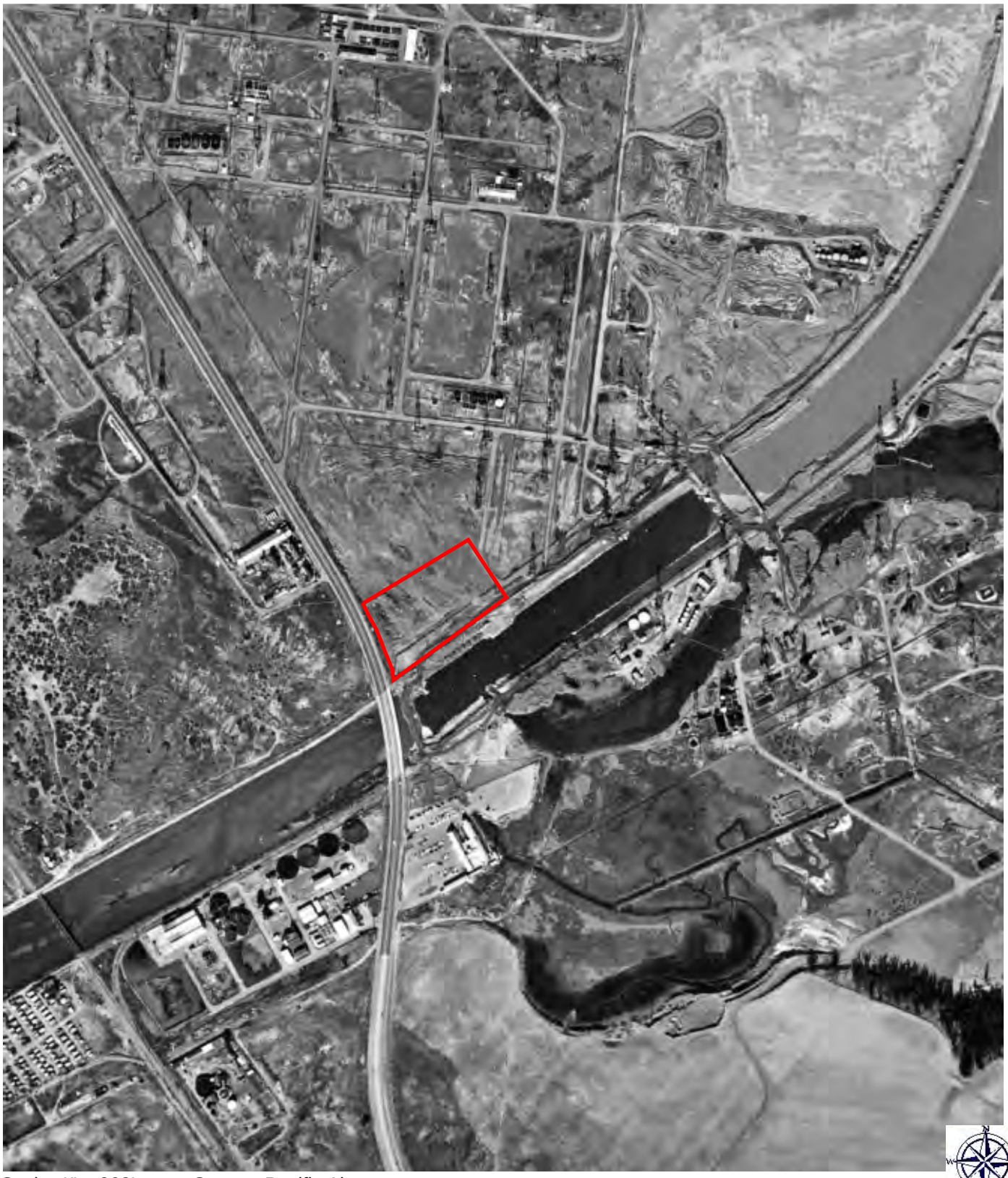
220 East Truxtun Avenue
Bakersfield, California 93305
(661) 395-1646

1947 Aerial Photograph

Pumpkin Patch
6701 East Pacific Coast Highway
County of Los Angeles ● Long Beach, California

FIGURE

12



Scale: 1” = 863’ Source: Pacific Air

ADVANCED ENVIRONMENTAL CONCEPTS INC
220 East Truxtun Avenue
Bakersfield, California 93305
(661) 395-1646

1952 Aerial Photograph

Pumpkin Patch
6701 East Pacific Coast Highway
County of Los Angeles ● Long Beach, California

FIGURE

13

Scale: 1” = 630’ Source: Teledyne

ADVANCED ENVIRONMENTAL CONCEPTS INC

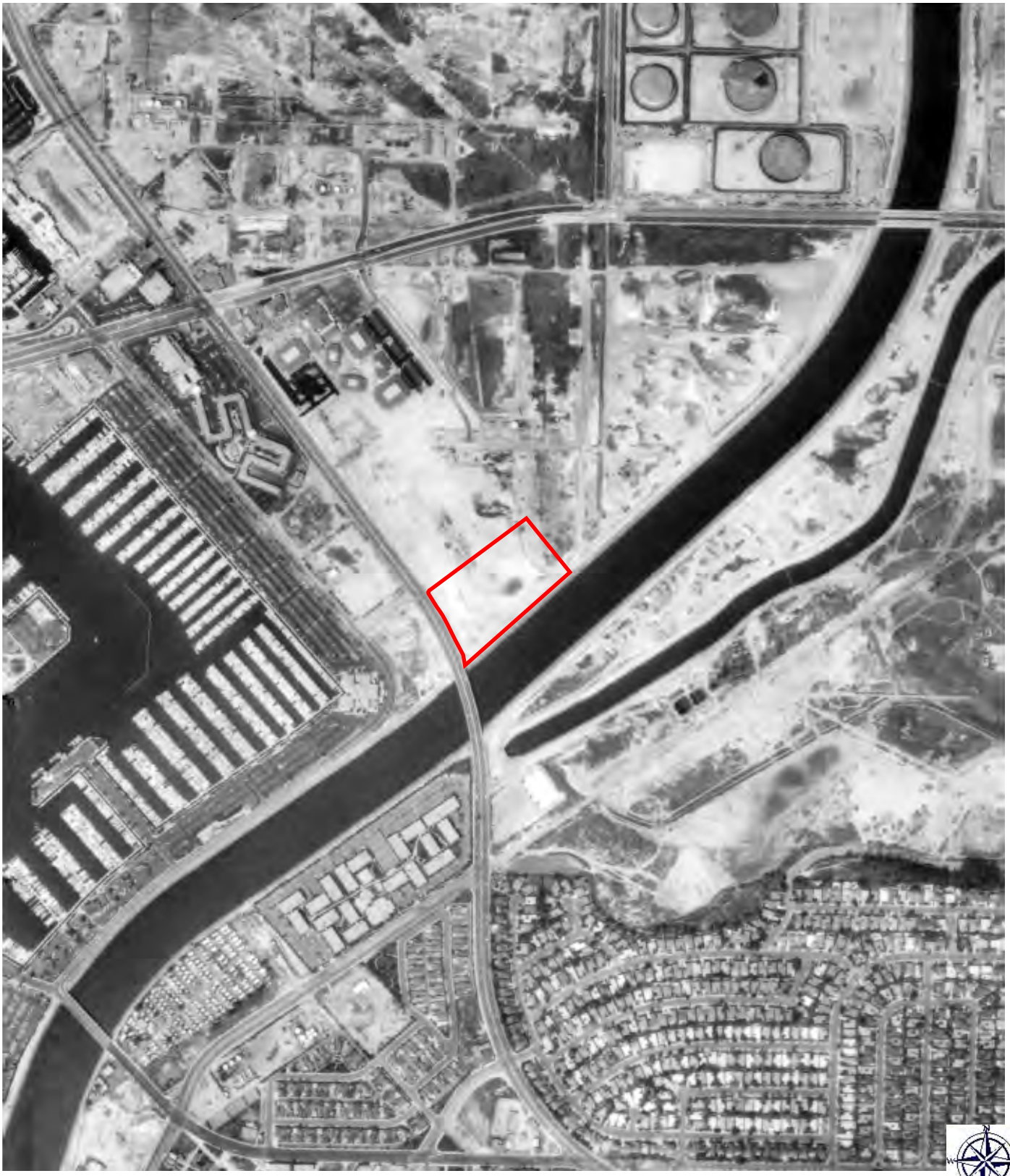
220 East Truxtun Avenue
Bakersfield, California 93305
(661) 395-1646

1968 Aerial Photograph

Pumpkin Patch
6701 East Pacific Coast Highway
County of Los Angeles ● Long Beach, California

FIGURE

14



Scale: 1” = 863’ Source: Teledyne

ADVANCED ENVIRONMENTAL CONCEPTS INC

220 East Truxtun Avenue
Bakersfield, California 93305
(661) 395-1646

1976 Aerial Photograph

Pumpkin Patch
6701 East Pacific Coast Highway
County of Los Angeles ● Long Beach, California

FIGURE

15

Scale: 1” = 863’ Source: USGS

ADVANCED ENVIRONMENTAL CONCEPTS INC

220 East Truxtun Avenue
Bakersfield, California 93305
(661) 395-1646

1989 Aerial Photograph

Pumpkin Patch
6701 East Pacific Coast Highway
County of Los Angeles ● Long Beach, California

FIGURE

16

Scale: 1” = 863’ Source: USGS

ADVANCED ENVIRONMENTAL CONCEPTS INC

220 East Truxtun Avenue
Bakersfield, California 93305
(661) 395-1646

1994 Aerial Photograph

Pumpkin Patch
6701 East Pacific Coast Highway
County of Los Angeles ● Long Beach, California

FIGURE

17

Scale: 1” = 160’ Source: Google

ADVANCED ENVIRONMENTAL CONCEPTS INC

220 East Truxtun Avenue
Bakersfield, California 93305
(661) 395-1646

2003 Aerial Photograph

Pumpkin Patch
6701 East Pacific Coast Highway
County of Los Angeles ● Long Beach, California

FIGURE

18

Scale: 1” = 160’ Source: Google

ADVANCED ENVIRONMENTAL CONCEPTS INC

220 East Truxtun Avenue
Bakersfield, California 93305
(661) 395-1646

2007 Aerial Photograph

Pumpkin Patch
6701 East Pacific Coast Highway
County of Los Angeles ● Long Beach, California

FIGURE

19

Scale: 1” = 160’ Source: Google

ADVANCED ENVIRONMENTAL CONCEPTS INC

220 East Truxtun Avenue
Bakersfield, California 93305
(661) 395-1646

2011 Aerial Photograph

Pumpkin Patch
6701 East Pacific Coast Highway
County of Los Angeles ● Long Beach, California

FIGURE

20

Scale: 1” = 160’ Source: Google

ADVANCED ENVIRONMENTAL CONCEPTS INC

220 East Truxtun Avenue
Bakersfield, California 93305
(661) 395-1646

2015 Aerial Photograph

Pumpkin Patch
6701 East Pacific Coast Highway
County of Los Angeles ● Long Beach, California

FIGURE

21

Pumpkin Patch
March 2016

1. View north along west boundary (ECH) from the southwest corner.

2. View east along the south boundary (San Gabriel River) from the southwest corner.

Pumpkin Patch
March 2016

3. View northeast across west half of subject property.

4. View of monitoring well MW-1 at southeast portion of site.

5. View southwest at offsite San Gabriel River channel.

6. View north along drainage swale cut by recent seasonal precipitation in central portion of site that trends north-south. The swale exits into an east-west swale along the bike path adjacent to the San Gabriel River.

7. View of temporary storage area for seasonal sales of pumpkins and Christmas trees at central-eastern portion of site.

8. View north along east boundary of site from the southeast corner.

9. View of pipeline trending east-west that “day lights” at southeast corner.

10. View east at offsite oil production in infrastructure.

11. View of topographic low at northeast corner of site.

12. View west along north boundary from the northeast corner of site.

13. View north along area of former City Dump and Salvage #2 trench dump.

14. View north at offsite parking lot associated with the Market Place.

15. View of Market Place parking lot with approximately 1 vertical foot of settlement.

16. Typical passive venting probe (VP-7) in offsite Market Place parking lot.

Pumpkin Patch
July 2015

1. View east along north boundary from northwest corner of subject property.

2. View south along west boundary from northwest corner of subject property.

Pumpkin Patch
July 2015

3. View north along west boundary from southwest corner of subject property.

4. View east along south boundary from southwest corner of subject property.

5. View of groundwater monitoring well at southwest corner of subject property.

6. View of water spigot (non-operating) at southwest corner of subject property.

Pumpkin Patch
July 2015

7. View of offsite property to the south from south boundary of subject property.

8. View of paper/wood/glass debris at surface along south property boundary.

9. View of storage containers, RV's, pallets and miscellaneous equipment along southeast corner of subject property.

10. View north along east boundary from southeast corner of subject property.

11. View west along south boundary from southeast corner of subject property.

12. View of offsite property to the east from east boundary of subject property.

13. View west along north boundary from northeast corner of subject property.

14. View south along east boundary from northeast corner of subject property.

15. View of offsite property to the north from north boundary of subject property.

16. View of soil mineralization along north boundary of subject property.

Pumpkin Patch
2011

1. View east along Studebaker Road (north boundary) from the northwest corner of subject property.

2. View south along Pacific Coast Highway (west boundary) from the northwest corner of subject property.

Pumpkin Patch
2011

3. View southeast across subject property from the northwest corner.

4. View north across Studebaker Road at offsite office building (6695 Pacific Coast Highway).

5. View west across Pacific Coast Highway at offsite office building at 6700 Pacific Coast Highway.

6. View of 4-inch diameter monitoring well (MW-1) at southwest corner of subject property. This well is protected by a stovepipe monument.

Pumpkin Patch
2011

7. View of well inside flush-mounted traffic box along north side of "upper" bike trail.

8. View east along bike trail and San Gabriel River (south boundary) from southwest corner of subject site.

Pumpkin Patch
2011

9. View of 1 ¼" PVC labeled "trace line" along south boundary surrounding soil has slumped around pipe.

10. View of erosion trench at southeast portion of site. Refuse is visible in sidewalls of trench.

Pumpkin Patch
2011

11. View of trailer and camper storage in southeast portion of subject property. This equipment is associated with the seasonal pumpkin and Christmas tree sales.

12. View of pumping unit that is onsite. Northern property boundary is generally the imaginary line of telephone poles.

Pumpkin Patch
2011

13. View south along east property boundary from northeast corner.

14. View north from northeast corner at office building at 6621 Pacific Coast Highway.

Pumpkin Patch

2011

15. View north along unlined drainage culvert that flows through central portion of subject property.

16. View of steel plates over oil field pipeline manways. Flush-mounted traffic box is in background adjacent to bike path and contains EW-1.

Appendix B

EDR ENVIRONMENTAL DATABASE SURVEY

Pumpkin Patch and LCWA
Studebaker Road
Long Beach, CA 90803

Inquiry Number: 4576293.2s
March 28, 2016

The EDR Radius Map™ Report with GeoCheck®

EDR® Environmental Data Resources Inc

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Detail Map	3
Map Findings Summary	4
Map Findings	8
Orphan Summary	239
Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting Source Map	A-12
Physical Setting Source Map Findings	A-13
Physical Setting Source Records Searched	PSGR-1

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

STUDEBAKER ROAD
LONG BEACH, CA 90803

COORDINATES

Latitude (North):	33.7602780 - 33˚ 45' 37.00''
Longitude (West):	118.1027340 - 118˚ 6' 9.84''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	397875.0
UTM Y (Meters):	3735929.0
Elevation:	12 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5633745 LOS ALAMITOS, CA
Version Date:	2012
Southeast Map:	5633763 SEAL BEACH, CA
Version Date:	2012
Southwest Map:	5633769 LONG BEACH OE S, CA
Version Date:	2012
Northwest Map:	5652670 LONG BEACH, CA
Version Date:	2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20120505
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
STUDEBAKER ROAD
LONG BEACH, CA 90803

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
Reg	SEAL BEACH NAVAL WEA		DOD	Same	4229, 0.801, SE
A1	TEXACO EXPLORATION &	7101 E PACIFIC COAST	CA LOS ANGELES CO. HMS	Higher	1 ft.
A2	SHELL OIL CO BRYANT	7101 E PACIFIC COAST	CA LOS ANGELES CO. HMS	Higher	1 ft.
A3	CITY DUMP & SALVAGE	7001-7199 PCH NORTH	CA SWF/LF	Higher	1 ft.
4	SIGNAL HILL PETROLEU		CA UIC	Lower	1 ft.
B5	HAYNES GENERATING ST	6801 WESTMINSTER AVE	CA UST, CA WMUDS/SWAT, CA WDS	Higher	241, 0.046, ESE
B6	LAWP,HAYNES GENERATI	6801 WESTMINSTER AVE	CA Toxic Pits	Higher	241, 0.046, ESE
C7	PARADISE CLEANERS	6608 E PACIFIC COAST	CA DRYCLEANERS	Higher	241, 0.046, SW
C8		6608 E PACIFIC COAST	EDR Hist Cleaner	Higher	241, 0.046, SW
B9	HAYNES GENERATING ST	6801 2ND ST	CA AST	Higher	271, 0.051, ESE
B10	LA DEPARTMENT WATER	6801 E 2ND ST WESTMI	CA HWP	Higher	271, 0.051, ESE
B11	HAYNES GENERATING ST	6801 EAST 2ND. STREE	RCRA-TSDF, RCRA-LQG	Higher	271, 0.051, ESE
C12		6615 E PACIFIC COAST	EDR Hist Auto	Higher	308, 0.058, SW
D13	LONG BEACH MARINE BU	0237 MARINA DR	CA UST	Higher	459, 0.087, SSW
D14	CITY OF LONG BEACH	237 MARINA DR	CA UST, CA SWEEPS UST	Higher	459, 0.087, SSW
D15	LONG BEACH MARINE BU	0235 MARINA DR	CA UST	Higher	465, 0.088, SSW
D16	CITY OF LONG BEACH	235 MARINA DR	CA UST	Higher	465, 0.088, SSW
D17		0233 MARINA DR	CA UST	Higher	473, 0.090, SSW
D18	SHELL MARINE FUEL DO	231 MARINA DR	EDR Hist Auto	Higher	479, 0.091, SSW
D19	KEN S UNION OIL DOCK	227 MARINA DR	EDR Hist Auto	Higher	496, 0.094, SSW
D20	ALAMITOS BAY MARINA	227 MARINA DR	CA SWEEPS UST, CA HIST UST, CA FID UST	Higher	496, 0.094, SSW
D21	ALAMITOS BAY MARINE	227 MARINA DRIVE	CA UST	Higher	496, 0.094, SSW
D22	ALAMITOS BAY PARTNER	S/PCH N/MARINA DR W/	RCRA-SQG, CA LUST, CA CHMIRS, CA HIST CORTESE	Higher	496, 0.094, SSW
D23	CITY OF LB ALAMITOS	0227 MARINA DR	CA UST	Higher	496, 0.094, SSW
D24	UNOCAL #0023	227 MARINA DR N	CA LUST	Higher	496, 0.094, SSW
D25	USCG MOORINGS LONG B	223 MARINA DRIVE	RCRA-SQG, FINDS, ECHO	Higher	513, 0.097, SSW
D26	CITY OF LONG BEACH	221 MARINA DR	CA UST, CA SWEEPS UST	Higher	524, 0.099, SSW
D27	LONG BEACH MARINE BU	0221 MARINA DR	CA UST	Higher	524, 0.099, SSW
28	CHEVRON - ALAMITOS B	6655 MARINA DR	CA SLIC	Higher	603, 0.114, SW
29	CALTRANS	PACIFIC COAST HWY	CA LUST, CA SLIC, CA HIST CORTESE	Higher	613, 0.116, SSW
30	LCW OIL OPERATIONS P	6433 E 2ND STREET	SEMS	Lower	910, 0.172, WSW
E31	LA COUNTY FLOOD CONT	SW WESTMINSTERAVE AN	CA SWF/LF	Higher	1027, 0.195, SW
E32	MARKET PLACE SANITAR	6501 PACIFIC COAST H	CA WMUDS/SWAT, CA LDS	Higher	1038, 0.197, SW
F33	CITY OF LONG BEACH	207 MARINA DR	CA UST, CA SWEEPS UST	Higher	1045, 0.198, SSW
F34	LONG BEACH MARINE BU	0207 MARINA DR	CA UST	Higher	1045, 0.198, SSW
G35	CITY OF LONG BEACH	6610 MARINA DR	CA UST	Higher	1064, 0.202, SW
G36	CITY OF LONG BEACH	6610 MARINA DR	CA SWEEPS UST	Higher	1064, 0.202, SW
H37	J'S CLEANERS & LAUND	6481 EAST PACIFIC CO	CA SLIC	Higher	1099, 0.208, SW
H38	J'S CLEANERS & LAUND	6481 PACIFIC COAST	CA SLIC	Higher	1099, 0.208, SW

MAPPED SITES SUMMARY

Target Property Address:
STUDEBAKER ROAD
LONG BEACH, CA 90803

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
F39	ELLIOT TENEYCK LTD	5491 MARINA WAY DR	CA HIST UST, CA EMI	Higher	1239, 0.235, SSW
40	EAVES SEAL BEACH	333 FIRST STREET	CA ENVIROSTOR, CA VCP	Lower	1396, 0.264, SSW
I41	EXXONMOBIL OIL CORPO	6401 E PACIFIC COAST	RCRA-SQG, CA LUST, FINDS, CA HIST CORTESE, ECHO	Lower	1716, 0.325, WSW
42	LOYNES BEACH PARTNER	400 N STUDEBAKER ROA	CA ENVIROSTOR	Lower	1774, 0.336, North
I43	TOSCO - 76 STATION #	6280 002ND ST E	CA LUST, CA HIST CORTESE	Lower	1937, 0.367, WSW
I44	DAVES MARINA CHEVRON	6301 WESTMINSTER AVE	RCRA-SQG, CA LUST, FINDS, CA HAZNET, CA HIST...	Lower	1950, 0.369, WSW
I45	CHEVRON #9-0016	6301 WESTMINSTER AVE	CA LUST	Lower	1954, 0.370, WSW
J46	EPTC ALAMITOS PARCEL	692 NORTH STUDEBAKER	CA ENVIROSTOR, CA VCP, CA DEED, CA NPDES	Lower	2139, 0.405, North
J47	SCE-ALAMITOS	692 N STUDEBAKER ROA	CA ENVIROSTOR	Lower	2139, 0.405, North
J48	ALAMITOS STATION	692 N STUDEBAKER RD	CA HAZNET, CA HWP	Lower	2139, 0.405, North
J49	CITY DUMP AND SALVAG	LOYNES DRIVE AND NOR	CA SWF/LF	Lower	2165, 0.410, North
50	ALAMITOS BAY MAINT Y	6204 E 02ND ST	CA LUST, CA UST, CA HIST CORTESE	Higher	2193, 0.415, WSW
J51	STUDEBAKER - LOYNES	LOYNES DR. & STUDEBA	CA WMUDS/SWAT	Lower	2197, 0.416, North
J52	STUDEBAKER-CERRITOS	SW OF STUDEBAKER & L	CA WMUDS/SWAT	Lower	2197, 0.416, North
K53	ARCO #5084	490	CA HIST CORTESE	Lower	2207, 0.418, South
K54	ARCO #6066	490 PACIFIC COAST HW	CA LUST, CA CHMIRS, CA Orange Co. Industrial Site	Lower	2235, 0.423, South
55	CITY DUMP & SALVAGE	6363 PACIFIC COAST H	CA WMUDS/SWAT	Lower	2407, 0.456, West
56	CITY DUMP & SALVAGE	STUDEBAKER RD. S OF	CA SWF/LF, CA WMUDS/SWAT	Higher	2454, 0.465, NNW
57	EXXON MOBILE SEPARAT	101 MARINA DR	CA ENVIROSTOR, CA Orange Co. Industrial Site	Lower	2470, 0.468, SSW
58	INDEL ENGINEERING IN	6400 MARINA DR	CA LUST, CA CHMIRS, CA EMI, CA HIST CORTESE, CA...	Lower	2533, 0.480, WSW
L59	ALAMITOS GENERATING	690 NORTH STUDEBAKER	CA SLIC, CA ENF	Higher	2620, 0.496, NNE
L60	EPTC ALAMITOS	690 N. STUDEBAKER RD	CORRACTS, RCRA-SQG, US AIRS, NY MANIFEST	Higher	2620, 0.496, NNE
L61	SCE, ALAMITOS GENERA	690 STUDEBAKER ROAD	CA Toxic Pits	Higher	2620, 0.496, NNE
M62	NWS SEAL BEACH		LUCIS, FUDS	Higher	4036, 0.764, SE
M63	LONG BEACH AMMUNITIO		CA ENVIROSTOR	Higher	4055, 0.768, SE
M64	NWS SEAL BCH		CA ENVIROSTOR	Higher	4055, 0.768, SE
M65	NAVAL MUNITIONS DEPO		CA ENVIROSTOR	Higher	4055, 0.768, SE
N66	SEAL BEACH NAVAL WEA	CODE 0923	CORRACTS, RCRA-TSDF, RCRA-LQG, 2020 COR ACTION,...	Higher	4804, 0.910, SE
N67	NAVAL WEAPONS STATIO	800 SEAL BEACH BLVD.	CA ENVIROSTOR	Higher	4804, 0.910, SE
N68	NAVAL WEAPONS STATIO	800 SEAL BEACH BLVD.	CA HAZNET, CA HWP	Higher	4804, 0.910, SE

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

FEDERAL FACILITY ..... Federal Facility Site Information listing

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE ..... Superfund Enterprise Management System Archive

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

Federal ERNS list

ERNS ..... Emergency Response Notification System

State- and tribal - equivalent NPL

CA RESPONSE ..... State Response Sites

State and tribal leaking storage tank lists

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

EXECUTIVE SUMMARY

State and tribal registered storage tank lists

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

State and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

CA BROWNFIELDS..... Considered Brownfieds Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

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

Local Lists of Landfill / Solid Waste Disposal Sites

CA SWRCY..... Recycler Database
CA HAULERS..... Registered Waste Tire Haulers Listing
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands
DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations
ODI..... Open Dump Inventory

Local Lists of Hazardous waste / Contaminated Sites

CA AOCONCERN..... San Gabriel Valley Areas of Concern
US HIST CDL..... Delisted National Clandestine Laboratory Register
CA HIST Cal-Sites..... Historical Calsites Database
CA SCH..... School Property Evaluation Program
CA CDL..... Clandestine Drug Labs
US CDL..... National Clandestine Laboratory Register

Local Land Records

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

Records of Emergency Release Reports

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

Other Ascertainable Records

RCRA NonGen / NLR..... RCRA - Non Generators / No Longer Regulated
SCRD DRYCLEANERS..... State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR..... Financial Assurance Information
EPA WATCH LIST..... EPA WATCH LIST

EXECUTIVE SUMMARY

TSCA	Toxic Substances Control Act
TRIS	Toxic Chemical Release Inventory System
SSTS	Section 7 Tracking Systems
ROD	Records Of Decision
RMP	Risk Management Plans
RAATS	RCRA Administrative Action Tracking System
PRP	Potentially Responsible Parties
ICIS	Integrated Compliance Information System
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS	Material Licensing Tracking System
COAL ASH DOE	Steam-Electric Plant Operation Data
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER	PCB Transformer Registration Database
RADINFO	Radiation Information Database
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS	Incident and Accident Data
CONSENT	Superfund (CERCLA) Consent Decrees
INDIAN RESERV	Indian Reservations
FUSRAP	Formerly Utilized Sites Remedial Action Program
UMTRA	Uranium Mill Tailings Sites
LEAD SMELTERS	Lead Smelter Sites
US MINES	Mines Master Index File
CA BOND EXP. PLAN	Bond Expenditure Plan
CA Cortese	"Cortese" Hazardous Waste & Substances Sites List
CA CUPA Listings	CUPA Resources List
CA Financial Assurance	Financial Assurance Information Listing
CA HWT	Registered Hazardous Waste Transporter Database
CA MINES	Mines Site Location Listing
CA MWMP	Medical Waste Management Program Listing
CA PEST LIC	Pesticide Regulation Licenses Listing
CA PROC	Certified Processors Database
CA Notify 65	Proposition 65 Records
LA Co. Site Mitigation	Site Mitigation List
CA WASTEWATER PITS	Oil Wastewater Pits Listing
CA WIP	Well Investigation Program Case List
FUELS PROGRAM	EPA Fuels Program Registered Listing

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	EDR Proprietary Manufactured Gas Plants

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

CA RGA LF	Recovered Government Archive Solid Waste Facilities List
CA RGA LUST	Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

EXECUTIVE SUMMARY

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 list

SEMS: SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

A review of the SEMS list, as provided by EDR, and dated 01/11/2016 has revealed that there is 1 SEMS site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
LCW OIL OPERATIONS P	6433 E 2ND STREET	WSW 1/8 - 1/4 (0.172 mi.)	30	46

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 06/09/2015 has revealed that there are 2 CORRACTS sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
EPTC ALAMITOS	***690 N. STUDEBAKER RD***	***NNE 1/4 - 1/2 (0.496 mi.)***	***L60***	***154***
SEAL BEACH NAVAL WEA	***CODE 0923***	***SE 1/2 - 1 (0.910 mi.)***	***N66***	***196***

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 06/09/2015 has revealed that there is 1 RCRA-TSDF site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HAYNES GENERATING ST	*6801 EAST 2ND. STREE*	*ESE 0 - 1/8 (0.051 mi.)*	*B11*	*16*

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 06/09/2015 has revealed that there is 1 RCRA-LQG site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HAYNES GENERATING ST	*6801 EAST 2ND. STREE*	*ESE 0 - 1/8 (0.051 mi.)*	*B11*	*16*

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 06/09/2015 has revealed that there are 2 RCRA-SQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ALAMITOS BAY PARTNER	*S/PCH N/MARINA DR W/*	*SSW 0 - 1/8 (0.094 mi.)*	*D22*	*30*
USCG MOORINGS LONG B	*223 MARINA DRIVE*	*SSW 0 - 1/8 (0.097 mi.)*	*D25*	*42*

State- and tribal - equivalent CERCLIS

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

A review of the CA ENVIROSTOR list, as provided by EDR, and dated 02/01/2016 has revealed that there

are 9 CA ENVIROSTOR sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LONG BEACH AMMUNITIO Facility Id: 80001028 Status: Inactive - Needs Evaluation		SE 1/2 - 1 (0.768 mi.)	M63	193
NWS SEAL BCH Facility Id: 80000662 Status: Inactive - Needs Evaluation		SE 1/2 - 1 (0.768 mi.)	M64	194
NAVAL MUNITIONS DEPO Facility Id: 80000834 Status: Inactive - Needs Evaluation		SE 1/2 - 1 (0.768 mi.)	M65	195
NAVAL WEAPONS STATIO Facility Id: 80001234 Status: Refer: SMBRP	800 SEAL BEACH BLVD.	SE 1/2 - 1 (0.910 mi.)	N67	231

Lower Elevation	Address	Direction / Distance	Map ID	Page
EAVES SEAL BEACH Facility Id: 60000680 Status: Active	***333 FIRST STREET***	***SSW 1/4 - 1/2 (0.264 mi.)***	***40***	***54***
LOYNES BEACH PARTNER Facility Id: 60001986 Status: Active	400 N STUDEBAKER ROA	N 1/4 - 1/2 (0.336 mi.)	42	78
EPTC ALAMITOS PARCEL Facility Id: 19130113 Status: Certified O&M - Land Use Restrictions Only	***692 NORTH STUDEBAKER***	***N 1/4 - 1/2 (0.405 mi.)***	***J46***	***94***
SCE-ALAMITOS Facility Id: 80001647 Status: Active	692 N STUDEBAKER ROA	N 1/4 - 1/2 (0.405 mi.)	J47	99
EXXON MOBILE SEPARAT Facility Id: 30550002 Status: Refer: 1248 Local Agency	***101 MARINA DR***	***SSW 1/4 - 1/2 (0.468 mi.)***	***57***	***126***

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

CA SWF/LF: The Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The data come from the Integrated Waste Management Board's Solid Waste Information System (SWIS) database.

A review of the CA SWF/LF list, as provided by EDR, and dated 11/16/2015 has revealed that there are 4 CA SWF/LF sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CITY DUMP & SALVAGE Facility ID: 19-AK-5017 Operational Status: Closed Regulation Status: To Be Determined	7001-7199 PCH NORTH	0 - 1/8 (0.000 mi.)	A3	9
LA COUNTY FLOOD CONT	SW WESTMINSTERAVE AN	SW 1/8 - 1/4 (0.195 mi.)	E31	48

Facility ID: 19-AK-5008 Operational Status: Closed Regulation Status: Pre-regulations				
CITY DUMP & SALVAGE Facility ID: 19-AK-5004 Operational Status: Closed Regulation Status: Unpermitted	***STUDEBAKER RD. S OF***	***NNW 1/4 - 1/2 (0.465 mi.)***	***56***	***124***

Lower Elevation	Address	Direction / Distance	Map ID	Page
CITY DUMP AND SALVAG Site ID: 2236 Status: Closed	LOYNES DRIVE AND NOR	N 1/4 - 1/2 (0.410 mi.)	J49	104

State and tribal leaking storage tank lists

CA LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the State Water Resources Control Board Leaking Underground Storage Tank Information System.

A review of the CA LUST list, as provided by EDR, and dated 12/14/2015 has revealed that there are 10 CA LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ALAMITOS BAY PARTNER Global Id: T10000004637 Status: Completed - Case Closed	***S/PCH N/MARINA DR W/***	***SSW 0 - 1/8 (0.094 mi.)***	***D22***	***30***
UNOCAL #0023 Global Id: T0603701727 Global ID: T0603701727 Status: Completed - Case Closed Facility Id: 908030125 Status: Case Closed	227 MARINA DR N	SSW 0 - 1/8 (0.094 mi.)	D24	39
CALTRANS Global ID: T0605900594 Facility Status: Case Closed	***PACIFIC COAST HWY***	***SSW 0 - 1/8 (0.116 mi.)***	***29***	***45***
ALAMITOS BAY MAINT Y Global Id: T0603701726 Global ID: T0603701726 Status: Completed - Case Closed Facility Id: 908030116 Status: Case Closed	***6204 E 02ND ST***	***WSW 1/4 - 1/2 (0.415 mi.)***	***50***	***104***

Lower Elevation	Address	Direction / Distance	Map ID	Page
EXXONMOBIL OIL CORPO Global Id: T0603701717 Global ID: T0603701717 Status: Open - Remediation Facility Id: 908030016	***6401 E PACIFIC COAST***	***WSW 1/4 - 1/2 (0.325 mi.)***	***I41***	***65***

Status: Pollution Characterization				
TOSCO - 76 STATION #	***6280 002ND ST E***	***WSW 1/4 - 1/2 (0.367 mi.)***	***I43***	***79***
Global Id: T0603701721 Global ID: T0603701721 Status: Open - Remediation Facility Id: 908030052 Status: Remedial action (cleanup) Underway				
DAVES MARINA CHEVRON	***6301 WESTMINSTER AVE***	***WSW 1/4 - 1/2 (0.369 mi.)***	***I44***	***90***
Global Id: T0603701725 Status: Completed - Case Closed				
CHEVRON #9-0016	6301 WESTMINSTER AVE	WSW 1/4 - 1/2 (0.370 mi.)	I45	93
Global ID: T0603701725 Facility Id: 908030098 Status: Case Closed				
ARCO #6066	***490 PACIFIC COAST HW***	***S 1/4 - 1/2 (0.423 mi.)***	***K54***	***109***
Global Id: T0605900372 Global ID: T0605900372 Status: Open - Remediation Facility Id: 86UT206 Facility Status: Remediation Plan Current Status: 7				
INDEL ENGINEERING IN	***6400 MARINA DR***	***WSW 1/4 - 1/2 (0.480 mi.)***	***58***	***127***
Global Id: T0603701724 Global ID: T0603701724 Status: Completed - Case Closed Facility Id: 908030089 Status: Case Closed				

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

A review of the CA SLIC list, as provided by EDR, and dated 12/14/2015 has revealed that there are 5 CA SLIC sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CHEVRON - ALAMITOS B	6655 MARINA DR	SW 0 - 1/8 (0.114 mi.)	28	44
Facility Status: Completed - Case Closed Facility Status: No further action required Global Id: SLT4303129				
CALTRANS	***PACIFIC COAST HWY***	***SSW 0 - 1/8 (0.116 mi.)***	***29***	***45***
Facility Status: Completed - Case Closed Global Id: T0605900594				
J'S CLEANERS & LAUND	6481 EAST PACIFIC CO	SW 1/8 - 1/4 (0.208 mi.)	H37	52
Facility Status: Completed - Case Closed Global Id: SL2044X1602				
J'S CLEANERS & LAUND	6481 PACIFIC COAST	SW 1/8 - 1/4 (0.208 mi.)	H38	53
Facility Status: No further action required				
ALAMITOS GENERATING	***690 NORTH STUDEBAKER***	***NNE 1/4 - 1/2 (0.496 mi.)***	***L59***	***135***
Facility Status: Site Assessment				

EXECUTIVE SUMMARY

State and tribal registered storage tank lists

CA UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the CA UST list, as provided by EDR, and dated 12/14/2015 has revealed that there are 13 CA UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HAYNES GENERATING ST	***6801 WESTMINSTER AVE***	***ESE 0 - 1/8 (0.046 mi.)***	***B5***	***10***
LONG BEACH MARINE BU	0237 MARINA DR	SSW 0 - 1/8 (0.087 mi.)	D13	26
CITY OF LONG BEACH	***237 MARINA DR***	***SSW 0 - 1/8 (0.087 mi.)***	***D14***	***26***
Facility Id: 19-060-003120				
LONG BEACH MARINE BU	0235 MARINA DR	SSW 0 - 1/8 (0.088 mi.)	D15	27
CITY OF LONG BEACH	235 MARINA DR	SSW 0 - 1/8 (0.088 mi.)	D16	27
Facility Id: 19-060-003110				
Not reported	0233 MARINA DR	SSW 0 - 1/8 (0.090 mi.)	D17	27
ALAMITOS BAY MARINE	227 MARINA DRIVE	SSW 0 - 1/8 (0.094 mi.)	D21	30
CITY OF LB ALAMITOS	0227 MARINA DR	SSW 0 - 1/8 (0.094 mi.)	D23	39
CITY OF LONG BEACH	***221 MARINA DR***	***SSW 0 - 1/8 (0.099 mi.)***	***D26***	***43***
Facility Id: 19-060-003050				
LONG BEACH MARINE BU	0221 MARINA DR	SSW 0 - 1/8 (0.099 mi.)	D27	44
CITY OF LONG BEACH	***207 MARINA DR***	***SSW 1/8 - 1/4 (0.198 mi.)***	***F33***	***51***
Facility Id: 19-060-003030				
LONG BEACH MARINE BU	0207 MARINA DR	SSW 1/8 - 1/4 (0.198 mi.)	F34	51
CITY OF LONG BEACH	6610 MARINA DR	SW 1/8 - 1/4 (0.202 mi.)	G35	51
Facility Id: 19-060-003170				

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

A review of the CA AST list, as provided by EDR, and dated 08/01/2009 has revealed that there is 1 CA AST site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HAYNES GENERATING ST	6801 2ND ST	ESE 0 - 1/8 (0.051 mi.)	B9	16

State and tribal voluntary cleanup sites

CA VCP: Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

A review of the CA VCP list, as provided by EDR, and dated 02/01/2016 has revealed that there are 2 CA VCP sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
EAVES SEAL BEACH	***333 FIRST STREET***	***SSW 1/4 - 1/2 (0.264 mi.)***	***40***	***54***

Status: Active
Facility Id: 60000680

EPTC ALAMITOS PARCEL	***692 NORTH STUDEBAKER***	***N 1/4 - 1/2 (0.405 mi.)***	***J46***	***94***

Status: Certified O&M - Land Use Restrictions Only
Facility Id: 19130113

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

CA WMUDS/SWAT: The Waste Management Unit Database System is used for program tracking and inventory of waste management units. The source is the State Water Resources Control Board.

A review of the CA WMUDS/SWAT list, as provided by EDR, and dated 04/01/2000 has revealed that there are 6 CA WMUDS/SWAT sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HAYNES GENERATING ST	***6801 WESTMINSTER AVE***	***ESE 0 - 1/8 (0.046 mi.)***	***B5***	***10***
MARKET PLACE SANITAR	***6501 PACIFIC COAST H***	***SW 1/8 - 1/4 (0.197 mi.)***	***E32***	***49***
CITY DUMP & SALVAGE	***STUDEBAKER RD. S OF***	***NNW 1/4 - 1/2 (0.465 mi.)***	***56***	***124***

Lower Elevation	Address	Direction / Distance	Map ID	Page
STUDEBAKER - LOYNES	LOYNES DR. & STUDEBA	N 1/4 - 1/2 (0.416 mi.)	J51	107
STUDEBAKER-CERRITOS	SW OF STUDEBAKER & L	N 1/4 - 1/2 (0.416 mi.)	J52	108
CITY DUMP & SALVAGE	6363 PACIFIC COAST H	W 1/4 - 1/2 (0.456 mi.)	55	123

Local Lists of Hazardous waste / Contaminated Sites

CA Toxic Pits: The Toxic Pits Cleanup Act Sites database identifies sites suspected of containing hazardous substances where cleanup has not yet been completed. The data come from the State Water Resources Control Board.

A review of the CA Toxic Pits list, as provided by EDR, and dated 07/01/1995 has revealed that there are 2 CA Toxic Pits sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LAWP,HAYNES GENERATI Closure Date: 10/18/90 Task #: 84006 Status: CLOSED	6801 WESTMINSTER AVE	ESE 0 - 1/8 (0.046 mi.)	B6	12
SCE, ALAMITOS GENERA Closure Date: / / Task #: 04010 Status: ACTIVE	690 STUDEBAKER ROAD	NNE 1/4 - 1/2 (0.496 mi.)	L61	192

Local Lists of Registered Storage Tanks

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

A review of the CA SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 5 CA SWEEPS UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CITY OF LONG BEACH Status: A Tank Status: A Comp Number: 33989	***237 MARINA DR***	***SSW 0 - 1/8 (0.087 mi.)***	***D14***	***26***
ALAMITOS BAY MARINA Status: A Tank Status: A Comp Number: 41361	***227 MARINA DR***	***SSW 0 - 1/8 (0.094 mi.)***	***D20***	***28***
CITY OF LONG BEACH Status: A Tank Status: A Comp Number: 33987	***221 MARINA DR***	***SSW 0 - 1/8 (0.099 mi.)***	***D26***	***43***
CITY OF LONG BEACH Status: A Tank Status: A Comp Number: 33985	***207 MARINA DR***	***SSW 1/8 - 1/4 (0.198 mi.)***	***F33***	***51***
CITY OF LONG BEACH Status: A Tank Status: A Comp Number: 33992	6610 MARINA DR	SW 1/8 - 1/4 (0.202 mi.)	G36	52

CA HIST UST: Historical UST Registered Database.

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

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ALAMITOS BAY MARINA	***227 MARINA DR***	***SSW 0 - 1/8 (0.094 mi.)***	***D20***	***28***
ELLIOT TENEYCK LTD Facility Id: 00000007745	***5491 MARINA WAY DR***	***SSW 1/8 - 1/4 (0.235 mi.)***	***F39***	***53***

CA FID UST: The Facility Inventory Database contains active and inactive underground storage tank locations. The source is the State Water Resource Control Board.

A review of the CA FID UST list, as provided by EDR, and dated 10/31/1994 has revealed that there is 1 CA FID UST site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ALAMITOS BAY MARINA	***227 MARINA DR***	***SSW 0 - 1/8 (0.094 mi.)***	***D20***	***28***

EXECUTIVE SUMMARY

Facility Id: 19000879
Status: A

Local Land Records

CA DEED: The use of recorded land use restrictions is one of the methods the DTSC uses to protect the public from unsafe exposures to hazardous substances and wastes .

A review of the CA DEED list, as provided by EDR, and dated 12/07/2015 has revealed that there is 1 CA DEED site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
EPTC ALAMITOS PARCEL	***692 NORTH STUDEBAKER***	***N 1/4 - 1/2 (0.405 mi.)***	***J46***	***94***
Status: CERTIFIED O&M - LAND USE RESTRICTIONS ONLY				
Envirostor ID: 19130113				

Other Ascertainable Records

FUDS: 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.

A review of the FUDS list, as provided by EDR, and dated 01/31/2015 has revealed that there is 1 FUDS site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NWS SEAL BEACH		***SE 1/2 - 1 (0.764 mi.)***	***M62***	***192***

DOD: 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.

A review of the DOD list, as provided by EDR, and dated 12/31/2005 has revealed that there is 1 DOD site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SEAL BEACH NAVAL WEA		SE 1/2 - 1 (0.801 mi.)	0	8

CA DRYCLEANERS: 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 cleaners' agents; linen supply; coin-operated laundries and cleaning; drycleaning plants except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

A review of the CA DRYCLEANERS list, as provided by EDR, and dated 08/10/2015 has revealed that there is 1 CA DRYCLEANERS site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PARADISE CLEANERS	6608 E PACIFIC COAST	SW 0 - 1/8 (0.046 mi.)	C7	13

EPA Id: CAL000254077
EPA Id: CAL000268401
EPA Id: CAL000309524
EPA Id: CAL000322792
EPA Id: CAL000393903

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

A review of the CA HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 8 CA HIST CORTESE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ALAMITOS BAY PARTNER Reg Id: 908030125	***S/PCH N/MARINA DR W/***	***SSW 0 - 1/8 (0.094 mi.)***	***D22***	***30***
CALTRANS Reg Id: 083000817T Reg Id: 083000526T	***PACIFIC COAST HWY***	***SSW 0 - 1/8 (0.116 mi.)***	***29***	***45***
ALAMITOS BAY MAINT Y Reg Id: 908030116	***6204 E 02ND ST***	***WSW 1/4 - 1/2 (0.415 mi.)***	***50***	***104***

Lower Elevation	Address	Direction / Distance	Map ID	Page
EXXONMOBIL OIL CORPO Reg Id: 908030016	***6401 E PACIFIC COAST***	***WSW 1/4 - 1/2 (0.325 mi.)***	***I41***	***65***
TOSCO - 76 STATION # Reg Id: 908030052	***6280 002ND ST E***	***WSW 1/4 - 1/2 (0.367 mi.)***	***I43***	***79***
DAVES MARINA CHEVRON Reg Id: 908030098	***6301 WESTMINSTER AVE***	***WSW 1/4 - 1/2 (0.369 mi.)***	***I44***	***90***
ARCO #5084 Reg Id: 083000462T Reg Id: 083000583T	490	S 1/4 - 1/2 (0.418 mi.)	K53	109
INDEL ENGINEERING IN Reg Id: 908030089	***6400 MARINA DR***	***WSW 1/4 - 1/2 (0.480 mi.)***	***58***	***127***

Los Angeles County Industrial Waste and Underground Storage Tank Sites.

A review of the CA LOS ANGELES CO. HMS list, as provided by EDR, and dated 11/24/2014 has revealed that there are 2 CA LOS ANGELES CO. HMS sites within approximately 0.001 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TEXACO EXPLORATION & Facility ID: 004066-I05354	7101 E PACIFIC COAST	0 - 1/8 (0.000 mi.)	A1	8
SHELL OIL CO BRYANT Facility ID: 004066-I04212	7101 E PACIFIC COAST	0 - 1/8 (0.000 mi.)	A2	8

EXECUTIVE SUMMARY

CA HWP: Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

A review of the CA HWP list, as provided by EDR, and dated 11/23/2015 has revealed that there are 3 CA HWP sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LA DEPARTMENT WATER EPA Id: CAD000633248 Cleanup Status: PROTECTIVE FILER	6801 E 2ND ST WESTMI	ESE 0 - 1/8 (0.051 mi.)	B10	16
NAVAL WEAPONS STATIO EPA Id: CA0170024491 Cleanup Status: CLOSED	***800 SEAL BEACH BLVD.***	***SE 1/2 - 1 (0.910 mi.)***	***N68***	***234***

Lower Elevation	Address	Direction / Distance	Map ID	Page
ALAMITOS STATION EPA Id: CAD009694795 Cleanup Status: UNKNOWN	***692 N STUDEBAKER RD***	***N 1/4 - 1/2 (0.405 mi.)***	***J48***	***101***

CA UIC: A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

A review of the CA UIC list, as provided by EDR, and dated 07/23/2015 has revealed that there is 1 CA UIC site within approximately 0.001 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
SIGNAL HILL PETROLEU Well Status: Plugged		0 - 1/8 (0.000 mi.)	4	9

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Auto: 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 Hist Auto list, as provided by EDR, has revealed that there are 3 EDR Hist Auto sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported	6615 E PACIFIC COAST	SW 0 - 1/8 (0.058 mi.)	C12	25
SHELL MARINE FUEL DO	231 MARINA DR	SSW 0 - 1/8 (0.091 mi.)	D18	27
KEN S UNION OIL DOCK	227 MARINA DR	SSW 0 - 1/8 (0.094 mi.)	D19	28

EXECUTIVE SUMMARY

EDR Hist Cleaner: EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Cleaner list, as provided by EDR, has revealed that there is 1 EDR Hist Cleaner site within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported	6608 E PACIFIC COAST	SW 0 - 1/8 (0.046 mi.)	C8	15

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 4 records.

Site Name	Database(s)
	CA CDL
	CA CDL
DOW CHEMICAL CO SEAL BEACH PLT	SEMS-ARCHIVE
CITY DUMP AND SALVAGE #2	CA SWF/LF

OVERVIEW MAP - 4576293.2S

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

0 1/4 1/2 1 Miles

Indian Reservations BIA

County Boundary

Power transmission lines

Pipelines

100-year flood zone

500-year flood zone

National Wetland Inventory

State Wetlands

Areas of Concern

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

SITE NAME:	Pumpkin Patch and LCWA	CLIENT:	Advanced Env. Concepts
ADDRESS:	Studebaker Road Long Beach CA 90803	CONTACT:	Vanessa Radsick
		INQUIRY #:	4576293.2s
LAT/LONG:	33.760278 / 118.102734	DATE:	March 28, 2016 7:58 pm

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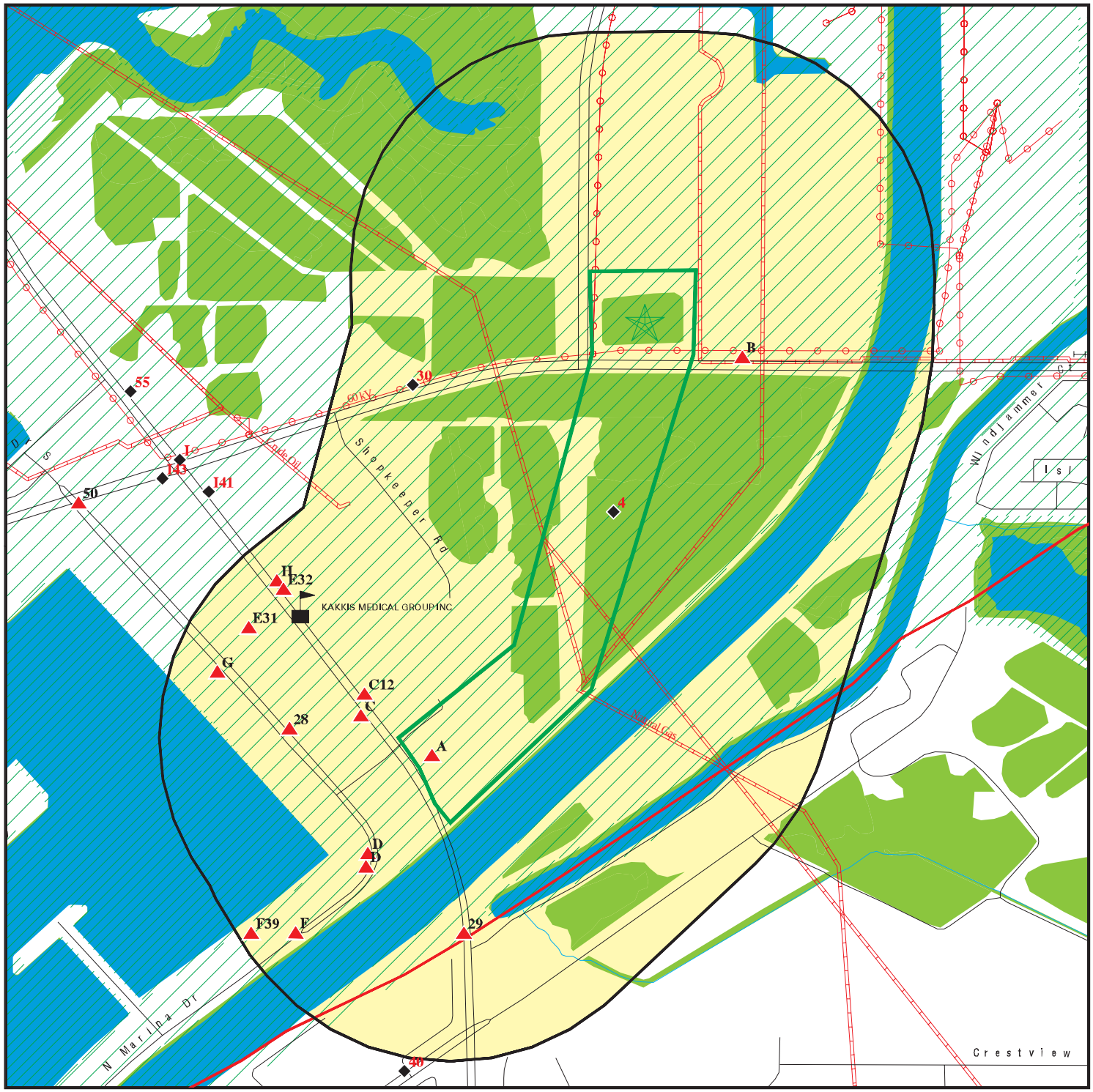
DETAIL MAP - 4576293.2S



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

0 1/8 1/4 1/2 Miles

Indian Reservations BIA

County Boundary

Power transmission lines

Pipelines

100-year flood zone

500-year flood zone

National Wetland Inventory

State Wetlands

Areas of Concern

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

SITE NAME: Pumpkin Patch and LCWA	CLIENT: Advanced Env. Concepts
ADDRESS: Studebaker Road	CONTACT: Vanessa Radsick
Long Beach CA 90803	INQUIRY #: 4576293.2s
LAT/LONG: 33.760278 / 118.102734	DATE: March 28, 2016 7:58 pm

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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
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	0.001		0	NR	NR	NR	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	1	0	NR	NR	1
Federal CERCLIS NFRAP site list								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	1	1	NR	2
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		1	0	0	NR	NR	1
Federal RCRA generators list								
RCRA-LQG	0.250		1	0	NR	NR	NR	1
RCRA-SQG	0.250		2	0	NR	NR	NR	2
RCRA-CESQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	0.001		0	NR	NR	NR	NR	0
State- and tribal - equivalent NPL								
CA RESPONSE	1.000		0	0	0	0	NR	0
State- and tribal - equivalent CERCLIS								
CA ENVIROSTOR	1.000		0	0	5	4	NR	9
State and tribal landfill and/or solid waste disposal site lists								
CA SWF/LF	0.500		1	1	2	NR	NR	4
State and tribal leaking storage tank lists								
CA LUST	0.500		3	0	7	NR	NR	10

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST	0.500		0	0	0	NR	NR	0
CA SLIC	0.500		2	2	1	NR	NR	5
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
CA UST	0.250		10	3	NR	NR	NR	13
CA AST	0.250		1	0	NR	NR	NR	1
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
CA VCP	0.500		0	0	2	NR	NR	2
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
CA BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
CA WMUDS/SWAT	0.500		1	1	4	NR	NR	6
CA SWRCY	0.500		0	0	0	NR	NR	0
CA HAULERS	0.001		0	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
CA AOCONCERN	1.000		0	0	0	0	NR	0
US HIST CDL	0.001		0	NR	NR	NR	NR	0
CA HIST Cal-Sites	1.000		0	0	0	0	NR	0
CA SCH	0.250		0	0	NR	NR	NR	0
CA CDL	0.001		0	NR	NR	NR	NR	0
CA Toxic Pits	1.000		1	0	1	0	NR	2
US CDL	0.001		0	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
CA SWEEPS UST	0.250		3	2	NR	NR	NR	5
CA HIST UST	0.250		1	1	NR	NR	NR	2
CA FID UST	0.250		1	0	NR	NR	NR	1
Local Land Records								
CA LIENS	0.001		0	NR	NR	NR	NR	0
LIENS 2	0.001		0	NR	NR	NR	NR	0
CA DEED	0.500		0	0	1	NR	NR	1
Records of Emergency Release Reports								
HMIRS	0.001		0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
CA CHMIRS	0.001		0	NR	NR	NR	NR	0
CA LDS	0.001		0	NR	NR	NR	NR	0
CA MCS	0.001		0	NR	NR	NR	NR	0
CA Orange Co. Industrial Site	0.001		0	NR	NR	NR	NR	0
CA SPILLS 90	0.001		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
FUDS	1.000		0	0	0	1	NR	1
DOD	1.000		0	0	0	1	NR	1
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	0.001		0	NR	NR	NR	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
FINDS	0.001		0	NR	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
CA Cortese	0.500		0	0	0	NR	NR	0
CA CUPA Listings	0.250		0	0	NR	NR	NR	0
CA DRYCLEANERS	0.250		1	0	NR	NR	NR	1
CA EMI	0.001		0	NR	NR	NR	NR	0
CA ENF	0.001		0	NR	NR	NR	NR	0
CA Financial Assurance	0.001		0	NR	NR	NR	NR	0
CA HAZNET	0.001		0	NR	NR	NR	NR	0
CA HIST CORTESE	0.500		2	0	6	NR	NR	8
CA LOS ANGELES CO. HMS	0.001		2	NR	NR	NR	NR	2
CA HWP	1.000		1	0	1	1	NR	3
CA HWT	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
NY MANIFEST	0.250		0	0	NR	NR	NR	0
CA MINES	0.001		0	NR	NR	NR	NR	0
CA MWMP	0.250		0	0	NR	NR	NR	0
CA NPDES	0.001		0	NR	NR	NR	NR	0
CA PEST LIC	0.001		0	NR	NR	NR	NR	0
CA PROC	0.500		0	0	0	NR	NR	0
CA Notify 65	1.000		0	0	0	0	NR	0
LA Co. Site Mitigation	0.001		0	NR	NR	NR	NR	0
CA UIC	0.001		1	NR	NR	NR	NR	1
CA WASTEWATER PITS	0.500		0	0	0	NR	NR	0
CA WDS	0.001		0	NR	NR	NR	NR	0
CA WIP	0.250		0	0	NR	NR	NR	0
ECHO	0.001		0	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		3	NR	NR	NR	NR	3
EDR Hist Cleaner	0.125		1	NR	NR	NR	NR	1
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
CA RGA LF	0.001		0	NR	NR	NR	NR	0
CA RGA LUST	0.001		0	NR	NR	NR	NR	0
- Totals --		0	39	11	31	8	0	89

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

DOD **SEAL BEACH NAVAL WEAPONS STATION** **DOD** **CUSA143790**
Region **N/A**
SE **SEAL BEACH NAVAL WEAPONS (County), CA**
1/2-1
4229 ft.

DOD:

Feature 1:	Navy DOD
Feature 2:	Not reported
Feature 3:	Not reported
URL:	Not reported
Name 1:	Seal Beach Naval Weapons Station
Name 2:	Not reported
Name 3:	Not reported
State:	CA
DOD Site:	Yes
Tile name:	CAORANGE

A1 **TEXACO EXPLORATION & PROD** **CA LOS ANGELES CO. HMS** **S105792404**
7101 E PACIFIC COAST HWY **N/A**
< 1/8 **LONG BEACH, CA**
1 ft.

Site 1 of 3 in cluster A

Relative:
Higher

Actual:
15 ft.

LOS ANGELES CO. HMS:

Region:	LA
Facility Id:	004066-I05354
Facility Type:	I06
Facility Status:	Closed
Area:	1C
Permit Number:	000012282
Permit Status:	Closed

A2 **SHELL OIL CO BRYANT LEASE** **CA LOS ANGELES CO. HMS** **S105792403**
7101 E PACIFIC COAST HWY **N/A**
< 1/8 **LONG BEACH, CA**
1 ft.

Site 2 of 3 in cluster A

Relative:
Higher

Actual:
15 ft.

LOS ANGELES CO. HMS:

Region:	LA
Facility Id:	004066-I04212
Facility Type:	I00
Facility Status:	Closed
Area:	1C
Permit Number:	000003834
Permit Status:	Closed

A3 **CITY DUMP & SALVAGE #2** **CA SWF/LF** **S105075648**
7001-7199 PCH NORTH OF SAN GABRIEL RIVER **N/A**
< 1/8 **LONG BEACH, CA**
1 ft.

Site 3 of 3 in cluster A

Relative:
Higher

Actual:
15 ft.

SWF/LF (SWIS):

Region:	STATE
Facility ID:	19-AK-5017
Lat/Long:	33.7543300 / -118.10616
Owner Name:	Bixby Ranch Co
Owner Telephone:	3104931475
Owner Address:	Not reported
Owner Address2:	3010 Old Ranch Parkway #100
Owner City,St,Zip:	Seal Beach, CA 90740
Operational Status:	Closed
Operator:	Not reported
Operator Phone:	Not reported
Operator Address:	Not reported
Operator Address2:	Not reported
Operator City,St,Zip:	Not reported
Permit Date:	Not reported
Permit Status:	Not reported
Permitted Acreage:	Not reported
Activity:	Solid Waste Disposal Site
Regulation Status:	To Be Determined
Landuse Name:	Residential,Industrial,Commercial
GIS Source:	Map
Category:	Disposal
Unit Number:	01
Inspection Frequency:	Quarterly
Accepted Waste:	Not reported
Closure Date:	Not reported
Closure Type:	Not reported
Disposal Acreage:	Not reported
SWIS Num:	19-AK-5017
Waste Discharge Requirement Num:	Not reported
Program Type:	Not reported
Permitted Throughput with Units:	Not reported
Actual Throughput with Units:	Not reported
Permitted Capacity with Units:	Not reported
Remaining Capacity:	Not reported
Remaining Capacity with Units:	Not reported
Lat/Long:	33.7543300 / -118.10616

---

4 **SIGNAL HILL PETROLEUM, INC.** **CA UIC** **S111626960**
N/A
< 1/8 **LOS ANGELES (County), CA**
1 ft.

Relative:
Lower

Actual:
7 ft.

UIC:

API Number:	03718819
Confidential Well:	No
Well Number:	31
Direction:	Unknown
Lease Name:	Bryant
Well Located On A BLW Lease:	No
Field Name:	Seal Beach
Area Name:	North Block
Section:	11

SIGNAL HILL PETROLEUM, INC. (Continued) **S111626960**

Township:	05S
Range:	12W
Base And Meridian; Part Of The PLSS:	SB
Elevation:	Not reported
Location Desc:	Not reported
GIS Source Code:	hud
Latitude:	33.75739
Longitude:	-118.1033
Well Type:	Water Disposal
Well Status:	Plugged
Operator Code:	S3625
Operator Name:	Signal Hill Petroleum, Inc.
Is EPA Well:	0
Abandone Status:	Not Verified

B5 **HAYNES GENERATING STATION** **CA UST** **U003661648**
ESE **6801 WESTMINSTER AVE #2** **CA WMUDS/SWAT** **N/A**
< 1/8 **LONG BEACH, CA** **CA WDS**
0.046 mi.
241 ft. **Site 1 of 5 in cluster B**

Relative:
Higher

Actual:
12 ft.

LONG BEACH UST:

DATA AS OF 02/25/2014:

Region:	LONG BEACH
Tanks:	0T
Tank Test:	Not reported
Leak Test:	Not reported
Tank Status:	Not reported

WMUDS/SWAT:

Edit Date:	Not reported
Complexity:	Category A - Any major NPDES facility, any non-NPDES facility (particularly those with toxic wastes) that would be a major if discharge was made to surface or ground waters, or any Class I disposal site. Includes any small-volume complex facility (particularly those with toxicwastes) with numerous discharge points, leak detection systems or ground water monitoring wells.
Primary Waste:	CONTAC
Primary Waste Type:	Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Base Meridian:	Not reported
NPID:	CA0000353
Tonnage:	0
Regional Board ID:	Not reported
Municipal Solid Waste:	False
Superorder:	False
Open To Public:	False
Waste List:	False
Agency Type:	City
Agency Name:	LOS ANGELES CITY OF DWP
Agency Department:	Not reported
Agency Address:	111 NORTH HOPE STREET, RM 1414
Agency City,St,Zip:	LOS ANGELES CA 90012

HAYNES GENERATING STATION (Continued) **U003661648**

Agency Contact:	FAZI MOFIDI
Agency Telephone:	2133670280
Land Owner Name:	Not reported
Land Owner Address:	Not reported
Land Owner City,St,Zip:	Not reported
Land Owner Contact:	Not reported
Land Owner Phone:	Not reported
Region:	4
Facility Type:	Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Description:	Not reported
Facility Telephone:	2133670280
SWAT Facility Name:	Not reported
Primary SIC:	4911
Secondary SIC:	Not reported
Comments:	Not reported
Last Facility Editors:	Not reported
Waste Discharge System:	True
Solid Waste Assessment Test Program:	False
Toxic Pits Cleanup Act Program:	True
Resource Conservation Recovery Act:	False
Department of Defence:	False
Solid Waste Assessment Test Program:	Not reported
Threat to Water Quality:	Major Threat to Water Quality. A violation could render unusable a ground water or surface water resource used as a significant drink water supply, require closure of an area used for contact recreation, result in long-term deleterious effects on shell fish spawning or growth areas of aquatic resources, or directly expose the public to toxic substances.
Sub Chapter 15:	False
Regional Board Project Officer:	Not reported
Number of WMUDS at Facility:	1
Section Range:	Not reported
RCRA Facility:	No
Waste Discharge Requirements:	A
Self-Monitoring Rept. Frequency:	Monthly Submittal
Waste Discharge System ID:	4B193500002
Solid Waste Information ID:	Not reported

WDS:

Facility ID:	Los Angeles River 196300152
Facility Type:	Other - Does not fall into the category of Municipal/Domestic, Industrial, Agricultural or Solid Waste (Class I, II or III)
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	CAG674001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	4
Facility Telephone:	2133670436
Facility Contact:	Katherine Rubin
Agency Name:	LOS ANGELES CITY OF DWP
Agency Address:	111 N. Hope St.
Agency City,St,Zip:	Los Angeles 90012

HAYNES GENERATING STATION (Continued) **U003661648**

Agency Contact:	Not reported
Agency Telephone:	Not reported
Agency Type:	City
SIC Code:	9199
SIC Code 2:	Not reported
Primary Waste Type:	Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Primary Waste:	MISCEL
Waste Type2:	Not reported
Waste2:	Miscellaneous (Includes wastes from dewatering, recreational lake overflow, swimming pool wastes, water ride wastewater, ground water seepage and other wastes of this type)
Primary Waste Type:	Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	1
Baseline Flow:	1
Reclamation:	No reclamation requirements associated with this facility.
POTW:	The facility is not a POTW.
Treat To Water:	Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity:	Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

B6 **LAWP,HAYNES GENERATING STATION** **CA Toxic Pits** **S100925090**
ESE **6801 WESTMINSTER AVENUE** **N/A**
< 1/8 **LONG BEACH, CA 90803**
0.046 mi.
241 ft. **Site 2 of 5 in cluster B**

Relative:
Higher

Actual:
12 ft.

TOXIC PITS:

Region:	04
Task #:	84006
Owner:	L.A. DEPT. OF WATER AND POWER
1/2 Mi Limit:	Y
Num. of Pits:	1
Cease Discharge Due:	/ /
Cease Discharge Complete:	05/01/85
Closure Due:	/ /
Closure Completed:	**10/18/90**
Status:	CLOSED
Hydro Geological Assessment Report Due:	/ /
Final Hydro Geological Assessment Review Completed:	06/15/89

C7 SW < 1/8 0.046 mi. 241 ft. | **PARADISE CLEANERS** | **CA DRYCLEANERS** | **S105807902**
6608 E PACIFIC COAST HWY | **N/A**
LONG BEACH, CA 90803

Site 1 of 3 in cluster C

Relative: Higher

Actual: 13 ft.

DRYCLEANERS:

EPA Id:	CAL000254077
NAICS Code:	81232
NAICS Description:	Drycleaning and Laundry Services (except Coin-Operated)
SIC Code:	7211
SIC Description:	Power Laundries, Family and Commercial
Create Date:	06/18/2002
Facility Active:	No
Inactive Date:	06/30/2003
Facility Addr2:	Not reported
Owner Name:	CHONG SAM LEE
Owner Address:	6608 PACIFIC COAST HWY
Owner Address 2:	Not reported
Owner Telephone:	5625945646
Contact Name:	CHONG SAM LEE
Contact Address:	6608 PACIFIC COAST HWY
Contact Address 2:	Not reported
Contact Telephone:	5625945646
Mailing Name:	Not reported
Mailing Address 1:	6608 PACIFIC COAST HWY
Mailing Address 2:	Not reported
Mailing City:	LONG BEACH
Mailing State:	CA
Mailing Zip:	90803
Owner Fax:	Not reported
Region Code:	3

EPA Id:	CAL000268401
NAICS Code:	81232
NAICS Description:	Drycleaning and Laundry Services (except Coin-Operated)
SIC Code:	7211
SIC Description:	Power Laundries, Family and Commercial
Create Date:	03/28/2003
Facility Active:	No
Inactive Date:	06/30/2006
Facility Addr2:	Not reported
Owner Name:	YI SANG ENTERPRISE INC
Owner Address:	6608 E PACIFIC COAST HWY
Owner Address 2:	Not reported
Owner Telephone:	3238411358
Contact Name:	YISOOK KIM, OWNER
Contact Address:	2605 SEPULVEDA BLVD STE 212
Contact Address 2:	Not reported
Contact Telephone:	5625945646
Mailing Name:	Not reported
Mailing Address 1:	6608 E PACIFIC COAST HWY
Mailing Address 2:	Not reported
Mailing City:	LONG BEACH
Mailing State:	CA
Mailing Zip:	90803
Owner Fax:	Not reported
Region Code:	3

PARADISE CLEANERS (Continued) **S105807902**

EPA Id:	CAL000309524
NAICS Code:	81232
NAICS Description:	Drycleaning and Laundry Services (except Coin-Operated)
SIC Code:	7211
SIC Description:	Power Laundries, Family and Commercial
Create Date:	07/26/2006
Facility Active:	No
Inactive Date:	06/30/2007
Facility Addr2:	Not reported
Owner Name:	HYUNSUNG INC
Owner Address:	6608 PACIFIC COAST HWY
Owner Address 2:	Not reported
Owner Telephone:	5625945646
Contact Name:	CHARLIE H SHIN
Contact Address:	6608 PACIFIC COAST HWY
Contact Address 2:	Not reported
Contact Telephone:	5625945646
Mailing Name:	Not reported
Mailing Address 1:	6608 PACIFIC COAST HWY
Mailing Address 2:	Not reported
Mailing City:	LONG BEACH
Mailing State:	CA
Mailing Zip:	90803
Owner Fax:	Not reported
Region Code:	3

EPA Id:	CAL000322792
NAICS Code:	81232
NAICS Description:	Drycleaning and Laundry Services (except Coin-Operated)
SIC Code:	7211
SIC Description:	Power Laundries, Family and Commercial
Create Date:	07/27/2007
Facility Active:	No
Inactive Date:	06/30/2014
Facility Addr2:	Not reported
Owner Name:	SEUNG WOO HAN
Owner Address:	13252 DRAKE ST
Owner Address 2:	Not reported
Owner Telephone:	7148867770
Contact Name:	SEUNG WOO HAN
Contact Address:	13252 DRAKE ST
Contact Address 2:	Not reported
Contact Telephone:	2132225454
Mailing Name:	Not reported
Mailing Address 1:	6608 E PACIFIC COAST HWY
Mailing Address 2:	Not reported
Mailing City:	LONG BEACH
Mailing State:	CA
Mailing Zip:	908034208
Owner Fax:	0000000000
Region Code:	3

EPA Id:	CAL000393903
NAICS Code:	81232
NAICS Description:	Drycleaning and Laundry Services (except Coin-Operated)
SIC Code:	7211
SIC Description:	Power Laundries, Family and Commercial

PARADISE CLEANERS (Continued) **S105807902**

Create Date:	02/04/2014
Facility Active:	Yes
Inactive Date:	Not reported
Facility Addr2:	Not reported
Owner Name:	VEE R SERVICES LLC
Owner Address:	VEE R SERVICES LLC
Owner Address 2:	Not reported
Owner Telephone:	2134537391
Contact Name:	VAIRAVARAJ VETRIVEL
Contact Address:	6608 E PACIFIC COAST HWY
Contact Address 2:	Not reported
Contact Telephone:	2134537391
Mailing Name:	Not reported
Mailing Address 1:	6608 E PACIFIC COAST HWY
Mailing Address 2:	Not reported
Mailing City:	LONG BEACH
Mailing State:	CA
Mailing Zip:	908030000
Owner Fax:	7148206402
Region Code:	3

C8 **EDR Hist Cleaner** **1015085600**
SW **6608 E PACIFIC COAST HWY** **N/A**
< 1/8 **LONG BEACH, CA 90803**
0.046 mi.
241 ft. **Site 2 of 3 in cluster C**

Relative:
Higher

Actual:
13 ft.

EDR Historical Cleaners:

Name:	PARADISE CLEANERS
Year:	2004
Address:	6608 E PACIFIC COAST HWY
Name:	PARADISE CLEANERS
Year:	2005
Address:	6608 E PACIFIC COAST HWY
Name:	PARADISE CLEANERS
Year:	2006
Address:	6608 E PACIFIC COAST HWY
Name:	PARADISE CLEANERS
Year:	2008
Address:	6608 E PACIFIC COAST HWY
Name:	PARADISE CLEANERS
Year:	2010
Address:	6608 E PACIFIC COAST HWY
Name:	PARADISE CLEANERS
Year:	2011
Address:	6608 E PACIFIC COAST HWY
Name:	PARADISE CLEANERS
Year:	2012
Address:	6608 E PACIFIC COAST HWY

B9 ESE < 1/8 0.051 mi. 271 ft. — **HAYNES GENERATING STATION**, **6801 2ND ST**, **LONG BEACH, CA 90803** — **CA AST** — **A100323958**, **N/A**

Site 3 of 5 in cluster B

Relative: Higher

Actual: 12 ft.

AST:

Certified Unified Program Agencies:	Long Beach
Owner:	L.A. DEPT. OF WATER & POWER
Total Gallons:	78,869,875

B10 ESE < 1/8 0.051 mi. 271 ft. — **LA DEPARTMENT WATER & POWER**, **6801 E 2ND ST WESTMINSTER AVE**, **LONG BEACH, CA 90803** — **CA HWP** — **S108749975**, **N/A**

Site 4 of 5 in cluster B

Relative: Higher

Actual: 12 ft.

HWP:

EPA Id:	CAD000633248
Cleanup Status:	PROTECTIVE FILER
Latitude:	0
Longitude:	0
Facility Type:	Historical - Non-Operating
Facility Size:	Not reported
Team:	Not reported
Supervisor:	Not reported
Site Code:	Not reported
Assembly District:	Not reported
Senate District:	Not reported
Public Information Officer:	Not reported

Activities:

EPA Id:	CAD000633248
Facility Type:	Historical - Non-Operating
Unit Names:	SURFSTR1, SURFTRT1
Event Description:	Protective Filer Status - PROTECTIVE FILER (RECEIVED)
Actual Date:	06/14/1984

EPA Id:	CAD000633248
Facility Type:	Historical - Non-Operating
Unit Names:	SURFSTR1, SURFTRT1
Event Description:	Protective Filer Status - PROTECTIVE FILER (APPROVED)
Actual Date:	05/28/1985

B11 ESE < 1/8 0.051 mi. 271 ft. — **HAYNES GENERATING STATION**, **6801 EAST 2ND. STREET**, **LONG BEACH, CA 90803** — **RCRA-TSDF**, **RCRA-LQG** — **1000102031**, **CAD000633248**

Site 5 of 5 in cluster B

Relative: Higher

Actual: 12 ft.

RCRA-TSDF:

Date form received by agency:	06/09/2010
Facility name:	HAYNES GENERATING STATION
Facility address:	6801 EAST 2ND. STREET LONG BEACH, CA 90803
EPA ID:	CAD000633248
Mailing address:	111 NORTH HOPE STREET ROOM 1050

HAYNES GENERATING STATION (Continued) **1000102031**

	LOS ANGELES, CA 90012
Contact:	MARK J SEDLACEK
Contact address:	111 NORTH HOPE STREET ROOM 1050 LOS ANGELES, CA 90012
Contact country:	US
Contact telephone:	(213) 367-0403
Contact email:	MARK.SEDLACEK@LADWP.COM
EPA Region:	09
Land type:	Municipal
Classification:	TSDF
Description:	Handler is engaged in the treatment, storage or disposal of hazardous waste
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:	MARK J. SEDLACEK
Owner/operator address:	Not reported Not reported
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported
Legal status:	Municipal
Owner/Operator Type:	Operator
Owner/Op start date:	01/01/1959
Owner/Op end date:	Not reported

Owner/operator name:	LA DEPT. OF WATER & POWER
Owner/operator address:	111 NORTH HOPE STREET ROOM 1050 LOS ANGELES, CA 90012
Owner/operator country:	US
Owner/operator telephone:	(213) 367-0403
Legal status:	Municipal
Owner/Operator Type:	Owner
Owner/Op start date:	01/01/1959
Owner/Op end date:	Not reported

Owner/operator name:	DEPARTMENT OF WATER AND POWER CITY OF LA
Owner/operator address:	P. O. BOX 111 CITY NOT REPORTED, CA 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(213) 481-3100
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

HAYNES GENERATING STATION (Continued) **1000102031**

Owner/operator name: DEPARTMENT OF WATER AND POWER CITY OF LA
Owner/operator address: P. O. BOX 111
LOS ANGELES, CA 90051
Owner/operator country: Not reported
Owner/operator telephone: (213) 481-3100
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

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

. Waste code: 134
. Waste name: 134

. Waste code: 181
. Waste name: 181

. Waste code: 212
. Waste name: 212

. Waste code: 331
. Waste name: 331

. Waste code: 792
. Waste name: 792

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D005
. Waste name: BARIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

HAYNES GENERATING STATION (Continued) **1000102031**

. Waste code: D009
. Waste name: MERCURY

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D018
. Waste name: BENZENE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. 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
. 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.

Historical Generators:
Date form received by agency: 02/28/2008
Site name: LADWP HAYNES GENERATING STATION
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D018
. Waste name: BENZENE

. Waste code: D035

HAYNES GENERATING STATION (Continued) **1000102031**

. Waste name: METHYL ETHYL KETONE

. 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
. 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: 02/16/2007
Site name: LADWP HAYNES GENERATING STATION
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

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

Date form received by agency: 02/28/2006
Site name: LADWP HAYNES GENERATING STATION
Classification: Large Quantity Generator

. Waste code: 134
. Waste name: 134

HAYNES GENERATING STATION (Continued) **1000102031**

. Waste code: 181
. Waste name: 181

. Waste code: 212
. Waste name: 212

. Waste code: 331
. Waste name: 331

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D018
. Waste name: BENZENE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: D038
. Waste name: PYRIDINE

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

. Waste code: D040
. Waste name: TRICHLORETHYLENE

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

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

HAYNES GENERATING STATION (Continued) **1000102031**

Date form received by agency: 03/08/2004
Site name: HAYNES GENERATION STN
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

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

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

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

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

Date form received by agency: 03/04/1999
Site name: HAYNES GENERATING STATION
Classification: Large Quantity Generator

Date form received by agency: 03/17/1994
Site name: HAYNES GENERATING STATION LADWP
Classification: Large Quantity Generator

HAYNES GENERATING STATION (Continued) **1000102031**

Date form received by agency: 10/25/1993
Site name: LOS ANGELES DEPT OF WATER & POWER
Classification: Large Quantity Generator

Date form received by agency: 04/03/1991
Site name: LA DEPT WATER & POWER-HAYNES STATION
Classification: Large Quantity Generator

Date form received by agency: 08/18/1980
Site name: LOS ANGELES DEPT OF WATER & POWER
Classification: Large Quantity Generator

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 10/20/2009
Date achieved compliance: 12/03/2009
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: Not reported
Area of violation: Generators - General
Date violation determined: 05/05/2005
Date achieved compliance: 07/13/2005
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/05/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 04/23/1985
Date achieved compliance: 08/23/1985
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

HAYNES GENERATING STATION (Continued) **1000102031**

Date violation determined: 02/17/1984
Date achieved compliance: 05/21/1985
Violation lead agency: EPA
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: F - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 01/20/1983
Date achieved compliance: 08/23/1985
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 12/03/2009
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/20/2009
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 12/03/2009
Evaluation lead agency: State

Evaluation date: 10/15/2009
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/03/2008
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/26/2007
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

HAYNES GENERATING STATION (Continued) **1000102031**

Evaluation date: 05/05/2005
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 07/13/2005
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 08/25/1986
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/25/1986
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/21/1985
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/21/1985
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/23/1985
Evaluation: GROUNDWATER MONITORING EVALUATION
Area of violation: Generators - General
Date achieved compliance: 08/23/1985
Evaluation lead agency: State

Evaluation date: 02/17/1984
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 05/21/1985
Evaluation lead agency: EPA

Evaluation date: 01/20/1983
Evaluation: GROUNDWATER MONITORING EVALUATION
Area of violation: Generators - General
Date achieved compliance: 08/23/1985
Evaluation lead agency: State

C12 **EDR Hist Auto** **1015594224**
SW **6615 E PACIFIC COAST HWY** **N/A**
< 1/8 **LONG BEACH, CA 90803**
0.058 mi.
308 ft. **Site 3 of 3 in cluster C**

Relative:
Higher

Actual:
12 ft.

EDR Historical Auto Stations:
Name: ULTRAMAR
Year: 2005
Address: 6615 E PACIFIC COAST HWY

(Continued) **1015594224**

Name: ULTRAMAR
Year: 2008
Address: 6615 E PACIFIC COAST HWY

Name: ULTRAMAR
Year: 2009
Address: 6615 E PACIFIC COAST HWY

D13
SSW
< 1/8
0.087 mi.
459 ft.

LONG BEACH MARINE BUREAU (500 D/W JOOR) **CA UST** **U003854819**
0237 MARINA DR **N/A**
LONG BEACH, CA

Site 1 of 15 in cluster D

Relative:
Higher

Actual:
13 ft.

LONG BEACH UST:

DATA AS OF 02/25/2014:
Region: LONG BEACH
Tanks: 1T
Tank Test: Dual Walled
Leak Test: Not reported
Tank Status: Not reported

D14
SSW
< 1/8
0.087 mi.
459 ft.

CITY OF LONG BEACH **CA UST** **U003779413**
237 MARINA DR **CA SWEEPS UST** **N/A**
LONG BEACH, CA 90803

Site 2 of 15 in cluster D

Relative:
Higher

Actual:
13 ft.

UST:
Facility ID: 19-060-003120
Permitting Agency: LONG BEACH, CITY OF
Latitude: 33.74772
Longitude: -118.11426

SWEEPS UST:
Status: Active
Comp Number: 33989
Number: 4
Board Of Equalization: Not reported
Referral Date: 02-16-93
Action Date: 06-15-93
Created Date: 06-15-93
Owner Tank Id: 27892
SWRCB Tank Id: 19-060-033989-000001
Tank Status: A
Capacity: 500
Active Date: 02-16-93
Tank Use: OIL
STG: W
Content: WASTE OIL
Number Of Tanks: 1

D15 SSW < 1/8 0.088 mi. 465 ft. — **LONG BEACH MARINE BUREAU (500 D/W JOOR)** — **CA UST** — **U003661015** / **N/A**

0235 MARINA DR
LONG BEACH, CA

Site 3 of 15 in cluster D

Relative: Higher

Actual: 13 ft.

LONG BEACH UST:

DATA AS OF 02/25/2014:

Region:	LONG BEACH
Tanks:	1T
Tank Test:	Dual Walled
Leak Test:	Not reported
Tank Status:	Not reported

D16 SSW < 1/8 0.088 mi. 465 ft. — **CITY OF LONG BEACH** — **CA UST** — **U003779412** / **N/A**

235 MARINA DR
LONG BEACH, CA 90803

Site 4 of 15 in cluster D

Relative: Higher

Actual: 13 ft.

UST:

Facility ID:	19-060-003110
Permitting Agency:	LONG BEACH, CITY OF
Latitude:	33.7509642
Longitude:	-118.110003

D17 SSW < 1/8 0.090 mi. 473 ft. — **CA UST** — **U003920116** / **N/A**

0233 MARINA DR
LONG BEACH, CA

Site 5 of 15 in cluster D

Relative: Higher

Actual: 13 ft.

LONG BEACH UST:

DATA AS OF 02/25/2014:

Region:	LONG BEACH
Tanks:	0F
Tank Test:	Not reported
Leak Test:	Not reported
Tank Status:	Not reported

D18 SSW < 1/8 0.091 mi. 479 ft. — **SHELL MARINE FUEL DOCK** — **EDR Hist Auto** — **1009050972** / **N/A**

231 MARINA DR
LONG BEACH, CA

Site 6 of 15 in cluster D

Relative: Higher

Actual: 13 ft.

EDR Historical Auto Stations:

Name:	SHELL MARINE FUEL DOCK
Year:	1969
Type:	GASOLINE STATIONS

D19 SSW < 1/8 0.094 mi. 496 ft. | **KEN S UNION OIL DOCK** | **EDR Hist Auto** | **1009050906** | **N/A**

227 MARINA DR
LONG BEACH, CA

Site 7 of 15 in cluster D

Relative: Higher

Actual: 13 ft.

EDR Historical Auto Stations:

Name:	KEN S UNION OIL DOCK
Year:	1969
Type:	GASOLINE STATIONS

D20 SSW < 1/8 0.094 mi. 496 ft. | **ALAMITOS BAY MARINA** | **CA SWEEPS UST** | **CA HIST UST** | **CA FID UST** | **S101896505** | **N/A**

227 MARINA DR
LONG BEACH, CA 90803

Site 8 of 15 in cluster D

Relative: Higher

Actual: 13 ft.

SWEEPS UST:

Status:	Active
Comp Number:	41361
Number:	9
Board Of Equalization:	Not reported
Referral Date:	07-01-85
Action Date:	Not reported
Created Date:	02-29-88
Owner Tank Id:	(5) FIVE
SWRCB Tank Id:	19-060-041361-000001
Tank Status:	A
Capacity:	4000
Active Date:	07-01-85
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	5

Status:	Active
Comp Number:	41361
Number:	9
Board Of Equalization:	Not reported
Referral Date:	07-01-85
Action Date:	Not reported
Created Date:	02-29-88
Owner Tank Id:	(4) FOUR
SWRCB Tank Id:	19-060-041361-000002
Tank Status:	A
Capacity:	6000
Active Date:	07-01-85
Tank Use:	M.V. FUEL
STG:	P
Content:	DIESEL
Number Of Tanks:	Not reported

Status:	Active
Comp Number:	41361
Number:	9
Board Of Equalization:	Not reported
Referral Date:	07-01-85
Action Date:	Not reported
Created Date:	02-29-88
Owner Tank Id:	(1) ONE

ALAMITOS BAY MARINA (Continued) **S101896505**

SWRCB Tank Id: 19-060-041361-000003
Tank Status: A
Capacity: 10000
Active Date: 07-01-85
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: Not reported

Status: Active
Comp Number: 41361
Number: 9
Board Of Equalization: Not reported
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: (3) THREE
SWRCB Tank Id: 19-060-041361-000004
Tank Status: A
Capacity: 10000
Active Date: 07-01-85
Tank Use: M.V. FUEL
STG: P
Content: LEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 41361
Number: 9
Board Of Equalization: Not reported
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: (2) TWO
SWRCB Tank Id: 19-060-041361-000005
Tank Status: A
Capacity: 10000
Active Date: 07-01-85
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

HIST UST:
File Number: 00027645
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00027645.pdf
Region: Not reported
Facility ID: Not reported
Facility Type: Not reported
Other Type: Not reported
Contact Name: Not reported
Telephone: Not reported
Owner Name: Not reported
Owner Address: Not reported
Owner City,St,Zip: Not reported
Total Tanks: Not reported

ALAMITOS BAY MARINA (Continued) **S101896505**

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

Click here for Geo Tracker PDF:

CA FID UST:

Facility ID:	19000879
Regulated By:	UTNKA
Regulated ID:	00041361
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	Not reported
Mail To:	Not reported
Mailing Address:	450 E SHORELINE DR
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LONG BEACH 90803
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

D21 **ALAMITOS BAY MARINE** **CA UST** **U004220344**
SSW **227 MARINA DRIVE** **N/A**
< 1/8 **LONG BEACH, CA**
0.094 mi.
496 ft. **Site 9 of 15 in cluster D**

Relative:
Higher

Actual:
13 ft.

LONG BEACH UST:

Region:	LONG BEACH
Tanks:	Not reported
Tank Test:	Not reported
Leak Test:	Not reported
Tank Status:	Not reported

D22 **ALAMITOS BAY PARTNERSHIP** **RCRA-SQG** **1000300522**
SSW **S/PCH N/MARINA DR W/STUDEBAKER** **CA LUST** **CAD982053266**
< 1/8 **LONG BEACH, CA 90803** **CA CHMIRS**
0.094 mi. **CA HIST CORTESE**
496 ft. **Site 10 of 15 in cluster D**

Relative:
Higher

Actual:
13 ft.

RCRA-SQG:

Date form received by agency:	10/09/1987
Facility name:	ALAMITOS BAY PARTNERSHIP
Facility address:	S/PCH N/MARINA DR W/STUDEBAKER LONG BEACH, CA 90803
EPA ID:	CAD982053266
Mailing address:	2850 OCEAN PARK BLVD

ALAMITOS BAY PARTNERSHIP (Continued) **1000300522**

	SANTA MONICA, CA 90400
Contact:	ENVIRONMENTAL MANAGER
Contact address:	S/PCH N/MARINA DR W/STUDEBAKER LONG BEACH, CA 90803
Contact country:	US
Contact telephone:	(213) 471-5426
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

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

Owner/operator name:	ALAMITOS BAY PARTNERSHIP
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

Handler Activities Summary:

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

Violation Status: No violations found

LUST:

Region: STATE

ALAMITOS BAY PARTNERSHIP (Continued) **1000300522**

Global Id:	T10000004637
Latitude:	33.7487236
Longitude:	-118.1125004
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	06/05/2015
Lead Agency:	SWRCB
Case Worker:	MC
Local Agency:	LONG BEACH, CITY OF
RB Case Number:	Not reported
LOC Case Number:	TTPR0020942
File Location:	Not reported
Potential Media Affect:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

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

Contact:

Global Id:	T10000004637
Contact Type:	Local Agency Caseworker
Contact Name:	CARMEN PIRO
Organization Name:	LONG BEACH, CITY OF
Address:	2525 GRAND AVE.
City:	LONG BEACH
Email:	carmen.piro@longbeach.gov
Phone Number:	5625704137

Global Id:	T10000004637
Contact Type:	Regional Board Caseworker
Contact Name:	MATTHEW COHEN
Organization Name:	SWRCB
Address:	1001 I Street
City:	SACRAMENTO
Email:	mcohen@waterboards.ca.gov
Phone Number:	9163415751

Status History:

Global Id:	T10000004637
Status:	Completed - Case Closed
Status Date:	06/05/2015

Global Id:	T10000004637
Status:	Open - Case Begin Date
Status Date:	03/06/2013

Global Id:	T10000004637
Status:	Open - Eligible for Closure
Status Date:	08/27/2014

Global Id:	T10000004637
Status:	Open - Eligible for Closure
Status Date:	12/28/2014

Global Id:	T10000004637
Status:	Open - Inactive
Status Date:	03/08/2013

ALAMITOS BAY PARTNERSHIP (Continued) **1000300522**

Global Id: T10000004637
Status: Open - Verification Monitoring
Status Date: 04/29/2014

Global Id: T10000004637
Status: Open - Verification Monitoring
Status Date: 12/26/2014

Regulatory Activities:

Global Id: T10000004637
Action Type: RESPONSE
Date: 02/28/1986
Action: Site Assessment Report

Global Id: T10000004637
Action Type: RESPONSE
Date: 09/17/1991
Action: Unknown

Global Id: T10000004637
Action Type: RESPONSE
Date: 04/23/1996
Action: Tank Removal Report / UST Sampling Report

Global Id: T10000004637
Action Type: RESPONSE
Date: 04/23/1990
Action: Monitoring Report - Other

Global Id: T10000004637
Action Type: RESPONSE
Date: 09/17/1991
Action: Monitoring Report - Other

Global Id: T10000004637
Action Type: ENFORCEMENT
Date: 09/20/1986
Action: 13267 Requirement

Global Id: T10000004637
Action Type: RESPONSE
Date: 02/28/1986
Action: Site Assessment Report

Global Id: T10000004637
Action Type: RESPONSE
Date: 05/13/1996
Action: Tank Removal Report / UST Sampling Report

Global Id: T10000004637
Action Type: RESPONSE
Date: 12/31/1986
Action: Unknown

Global Id: T10000004637
Action Type: RESPONSE
Date: 09/19/1996

ALAMITOS BAY PARTNERSHIP (Continued) **1000300522**

Action: Unauthorized Release Form

Global Id: T10000004637
Action Type: RESPONSE
Date: 12/31/1986
Action: Monitoring Report - Other

Global Id: T10000004637
Action Type: RESPONSE
Date: 01/09/1987
Action: Correspondence

Global Id: T10000004637
Action Type: RESPONSE
Date: 07/01/2013
Action: Other Report / Document

Global Id: T10000004637
Action Type: RESPONSE
Date: 12/31/1986
Action: Other Report / Document

Global Id: T10000004637
Action Type: RESPONSE
Date: 01/09/1987
Action: Unauthorized Release Form

Global Id: T10000004637
Action Type: RESPONSE
Date: 05/13/1996
Action: Tank Removal Report / UST Sampling Report

Global Id: T10000004637
Action Type: RESPONSE
Date: 10/09/1987
Action: Preliminary Site Assessment Report

Global Id: T10000004637
Action Type: ENFORCEMENT
Date: 06/05/2015
Action: Closure/No Further Action Letter

Global Id: T10000004637
Action Type: ENFORCEMENT
Date: 09/15/1986
Action: 13267 Requirement

Global Id: T10000004637
Action Type: ENFORCEMENT
Date: 11/20/1986
Action: 13267 Requirement

Global Id: T10000004637
Action Type: RESPONSE
Date: 04/09/2014
Action: Tank Removal Report / UST Sampling Report

ALAMITOS BAY PARTNERSHIP (Continued) **1000300522**

Global Id:	T10000004637
Action Type:	ENFORCEMENT
Date:	08/28/2014
Action:	Notification - Public Notice of Case Closure

Global Id:	T10000004637
Action Type:	ENFORCEMENT
Date:	12/15/2014
Action:	State Water Board Closure Order

Global Id:	T10000004637
Action Type:	ENFORCEMENT
Date:	11/20/1986
Action:	13267 Requirement

Global Id:	T10000004637
Action Type:	Other
Date:	03/06/2013
Action:	Leak Began

Global Id:	T10000004637
Action Type:	Other
Date:	03/06/2013
Action:	Leak Reported

Global Id:	T10000004637
Action Type:	Other
Date:	03/06/2013
Action:	Leak Discovery

Global Id:	T10000004637
Action Type:	ENFORCEMENT
Date:	09/09/1996
Action:	Closure/No Further Action Letter

CHMIRS:

OES Incident Number:	4-0270
OES notification:	01/16/2014
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported

ALAMITOS BAY PARTNERSHIP (Continued) **1000300522**

Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	Long Beach Harbor
Spill Site:	Waterways
Cleanup By:	No
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	PETROLEUM
Measure:	Gal(s)
Other:	Not reported
Date/Time:	1633
Year:	2014
Agency:	Long Beach Fire Dept
Incident Date:	1/16/2014
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Yes
Site Type:	Long Beach Harbor
E Date:	Not reported
Substance:	Diesel
Quantity Released:	9
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	Unknown
Fatals:	No
Comments:	Not reported
Description:	RP states that a boat leaked 9 gallons of diesel into the water due to unknown reasons. The release is contained and cleanup is underway. Caller states the release has produced a 200 yard x 200 yard sheen and has been boomed off. Long Beach Harbor has been impacted.
OES Incident Number:	13-4673
OES notification:	07/30/2013

ALAMITOS BAY PARTNERSHIP (Continued) **1000300522**

OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	Alamitos Bay, Tributary of Pacific Ocean
Spill Site:	Waterways
Cleanup By:	Not Stated
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	753
Year:	2013
Agency:	NRC
Incident Date:	7/30/2013
Admin Agency:	Long Beach Fire Department
Amount:	Not reported
Contained:	Yes
Site Type:	Alamitos Bay, Tributary of Pacific Ocean
E Date:	Not reported
Substance:	Diesel Oil
Quantity Released:	2
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported

ALAMITOS BAY PARTNERSHIP (Continued) **1000300522**

#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Per NRC Report, "caller stated that a fuel dock leaked approximately 2 gallons of diesel into the Alamitos Bay." Remedial Actions: "Health department is en route to oversee clean up. The fire department deployed containment boom."
OES Incident Number:	8-0045
OES notification:	01/05/1998
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	Alamitos Bay
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1998
Agency:	Alamitos Bay Marine
Incident Date:	1/5/199812:00:00 AM
Admin Agency:	Long Beach Fire Department
Amount:	Not reported
Contained:	Yes

ALAMITOS BAY PARTNERSHIP (Continued) **1000300522**

Site Type:	Service Station,Ship/Harbor/Port,Waterways
E Date:	Not reported
Substance:	Diesel
Gallons:	10
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Filter separated, unknown cause, causing diesel to go into the water. Cleanup complete in the water.

HIST CORTESE:

Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	908030125

D23
SSW
< 1/8
0.094 mi.
496 ft.

Relative:
Higher

Actual:
13 ft.

CITY OF LB ALAMITOS BAY MARINE 5 S/W FG **CA UST** **U003661013**
0227 MARINA DR **N/A**
LONG BEACH, CA

Site 11 of 15 in cluster D

LONG BEACH UST:

DATA AS OF 02/25/2014:

Region:	LONG BEACH
Tanks:	5T
Tank Test:	01/23/97
Leak Test:	01/23/97
Tank Status:	Not reported

D24
SSW
< 1/8
0.094 mi.
496 ft.

Relative:
Higher

Actual:
13 ft.

UNOCAL #0023 **CA LUST** **S104406338**
227 MARINA DR N **N/A**
LONG BEACH, CA 90803

Site 12 of 15 in cluster D

LUST:

Region:	STATE
Global Id:	T0603701727
Latitude:	33.7513337
Longitude:	-118.1085463

UNOCAL #0023 (Continued) **S104406338**

Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	09/09/1996
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Worker:	YR
Local Agency:	LONG BEACH, CITY OF
RB Case Number:	908030125
LOC Case Number:	Not reported
File Location:	Not reported
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Other Solvent or Non-Petroleum Hydrocarbon
Site History:	Not reported

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

Contact:

Global Id:	T0603701727
Contact Type:	Regional Board Caseworker
Contact Name:	YUE RONG
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH ST., SUITE 200
City:	Los Angeles
Email:	yrong@waterboards.ca.gov
Phone Number:	Not reported

Global Id:	T0603701727
Contact Type:	Local Agency Caseworker
Contact Name:	CARMEN PIRO
Organization Name:	LONG BEACH, CITY OF
Address:	2525 GRAND AVE.
City:	LONG BEACH
Email:	carmen.piro@longbeach.gov
Phone Number:	5625704137

Status History:

Global Id:	T0603701727
Status:	Completed - Case Closed
Status Date:	09/09/1996

Global Id:	T0603701727
Status:	Open - Case Begin Date
Status Date:	11/27/1991

Global Id:	T0603701727
Status:	Open - Site Assessment
Status Date:	11/27/1991

Regulatory Activities:

Global Id:	T0603701727
Action Type:	Other
Date:	03/12/1996
Action:	Leak Stopped

Global Id:	T0603701727
Action Type:	Other
Date:	03/12/1996
Action:	Leak Discovery

UNOCAL #0023 (Continued) **S104406338**

Global Id:	T0603701727
Action Type:	Other
Date:	03/22/1996
Action:	Leak Reported

LUST REG 4:

Region:	4
Regional Board:	04
County:	Los Angeles
Facility Id:	908030125
Status:	Case Closed
Substance:	Hydrocarbons
Substance Quantity:	Not reported
Local Case No:	Not reported
Case Type:	Groundwater
Abatement Method Used at the Site:	Not reported
Global ID:	T0603701727
W Global ID:	Not reported
Staff:	UNK
Local Agency:	19060
Cross Street:	WESTMINSTER
Enforcement Type:	Not reported
Date Leak Discovered:	3/12/1996
Date Leak First Reported:	3/22/1996
Date Leak Record Entered:	12/31/1986
Date Confirmation Began:	Not reported
Date Leak Stopped:	3/12/1996
Date Case Last Changed on Database:	12/18/1996
Date the Case was Closed:	9/9/1996
How Leak Discovered:	OM
How Leak Stopped:	Not reported
Cause of Leak:	UNK
Leak Source:	UNK
Operator:	FORMER ALAMITOS BAY MARINA
Water System:	Not reported
Well Name:	Not reported
Approx. Dist To Production Well (ft):	14076.602418153697353513716148
Source of Cleanup Funding:	UNK
Preliminary Site Assessment Workplan Submitted:	Not reported
Preliminary Site Assessment Began:	Not reported
Pollution Characterization Began:	11/27/1991
Remediation Plan Submitted:	Not reported
Remedial Action Underway:	Not reported
Post Remedial Action Monitoring Began:	Not reported
Enforcement Action Date:	Not reported
Historical Max MTBE Date:	Not reported
Hist Max MTBE Conc in Groundwater:	Not reported
Hist Max MTBE Conc in Soil:	Not reported
Significant Interim Remedial Action Taken:	Not reported
GW Qualifier:	Not reported
Soil Qualifier:	Not reported
Organization:	Not reported
Owner Contact:	Not reported
Responsible Party:	UNOCAL CORPORATION
RP Address:	376 S. VALENCIA AVENUE BREA CA 92621
Program:	LUST

UNOCAL #0023 (Continued) **S104406338**

Lat/Long: 33.7494854 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: ABSORBENT PADS WERE USED TO REMOVE DIESEL FROM WATER AND VACUUM TRUCK TO REMOVE DIESEL FROM TEST WELL. OLD CASE #012916 12/18/96 REQUEST EXTENTION OF WELL ABANDONMEN

D25 SSW < 1/8 0.097 mi. 513 ft. | **USCG MOORINGS LONG BEACH 223 MARINA DRIVE LONG BEACH, CA 90803** | **RCRA-SQG FINDS ECHO** | **1000232054 CA3690390528**

Site 13 of 15 in cluster D

Relative: Higher

Actual: 13 ft.

RCRA-SQG:
Date form received by agency: 05/02/1989
Facility name: USCG MOORINGS LONG BEACH
Facility address: 223 MARINA DRIVE
LONG BEACH, CA 90803
EPA ID: CA3690390528
Mailing address: MARINA DRIVE
LONG BEACH, CA 90803
Contact: ENVIRONMENTAL MANAGER
Contact address: 223 MARINA DRIVE
LONG BEACH, CA 90803
Contact country: US
Contact telephone: (213) 598-5338
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: CITY OF LONG BEACH
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Municipal
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: Municipal

USCG MOORINGS LONG BEACH (Continued) **1000232054**

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: 110002625320

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

ECHO:
Envid: 1000232054
Registry ID: 110002625320
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110002625320

D26 **CITY OF LONG BEACH** **CA UST** **U003779411**
SSW **221 MARINA DR** **CA SWEEPS UST** **N/A**
< 1/8 **LONG BEACH, CA 90803**
0.099 mi.
524 ft. **Site 14 of 15 in cluster D**

Relative:
Higher

Actual:
13 ft.

UST:
Facility ID: 19-060-003050
Permitting Agency: LONG BEACH, CITY OF
Latitude: 33.74776
Longitude: -118.11438

SWEEPS UST:
Status: Active
Comp Number: 33987
Number: 4

CITY OF LONG BEACH (Continued) **U003779411**

Board Of Equalization:	Not reported
Referral Date:	02-16-93
Action Date:	06-15-93
Created Date:	06-15-93
Owner Tank Id:	27915
SWRCB Tank Id:	19-060-033987-000001
Tank Status:	A
Capacity:	500
Active Date:	02-16-93
Tank Use:	OIL
STG:	W
Content:	WASTE OIL
Number Of Tanks:	1

D27
SSW
< 1/8
0.099 mi.
524 ft.

Relative:
Higher

Actual:
13 ft.

LONG BEACH MARINE BUREAU (500 D/W JOOR) **CA UST** **U003854818**
0221 MARINA DR **N/A**
LONG BEACH, CA

Site 15 of 15 in cluster D

LONG BEACH UST:

DATA AS OF 02/25/2014:

Region:	LONG BEACH
Tanks:	1T
Tank Test:	Dual Walled
Leak Test:	Not reported
Tank Status:	Not reported

28
SW
< 1/8
0.114 mi.
603 ft.

Relative:
Higher

Actual:
13 ft.

CHEVRON - ALAMITOS BAY PARTNERSHIP **CA SLIC** **S106386911**
6655 MARINA DR **N/A**
LONG BEACH, CA 90813

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	09/23/1994
Global Id:	SLT4303129
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number:	Not reported
Latitude:	33.753013
Longitude:	-118.107415
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	0050
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:

SLIC REG 4:

CHEVRON - ALAMITOS BAY PARTNERSHIP (Continued) **S106386911**

Region:	4
Facility Status:	No further action required
SLIC:	0050
Substance:	TPH
Staff:	Jenny Au

29
SSW
< 1/8
0.116 mi.
613 ft.

CALTRANS
PACIFIC COAST HWY
SEAL BEACH, CA 90740

CA LUST **S102511909**
CA SLIC **N/A**
CA HIST CORTESE

Relative:
Higher

Actual:
12 ft.

LUST REG 8:

Region:	8
County:	Orange
Regional Board:	Santa Ana Region
Facility Status:	Case Closed
Case Number:	083000751T
Local Case Num:	88IC69
Case Type:	Soil only
Substance:	Gasoline
Qty Leaked:	Not reported
Abate Method:	Not reported
Cross Street:	1ST
Enf Type:	CLOS
Funding:	Not reported
How Discovered:	Not reported
How Stopped:	Not reported
Leak Cause:	Not reported
Leak Source:	Not reported
Global ID:	T0605900594
How Stopped Date:	Not reported
Enter Date:	2/17/1988
Date Confirmation of Leak Began:	Not reported
Date Preliminary Assessment Began:	Not reported
Discover Date:	2/21/1986
Enforcement Date:	Not reported
Close Date:	11/21/1989
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	2/17/1988
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	2/17/1988
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LOCNL
Latitude:	33.762382
Longitude:	-118.0874242
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	1
MTBE Tested:	Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.

CALTRANS (Continued) **S102511909**

MTBE Class:	*
Staff:	CAB
Staff Initials:	Not reported
Lead Agency:	Local Agency
Local Agency:	30000
Hydr Basin #:	COASTAL PLAIN OF ORA
Beneficial:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported
Summary:	CLARE DEDRICK IS THE EXECUTIVE OFFICER OF THE STATE LANDS COMMISSION.

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	11/21/1989
Global Id:	T0605900594
Lead Agency:	SANTA ANA RWQCB (REGION 8)
Lead Agency Case Number:	Not reported
Latitude:	33.762382
Longitude:	-118.0874242
Case Type:	Cleanup Program Site
Case Worker:	CAB
Local Agency:	Not reported
RB Case Number:	083000751T
File Location:	Not reported
Potential Media Affected:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

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

HIST CORTESE:

Region:	CORTESE
Facility County Code:	30
Reg By:	LTNKA
Reg Id:	083000817T

Region:	CORTESE
Facility County Code:	30
Reg By:	LTNKA
Reg Id:	083000526T

30
WSW
1/8-1/4
0.172 mi.
910 ft.

LCW OIL OPERATIONS PCB SITE **SEMS** **1012043078**
6433 E 2ND STREET **CAN000908768**
LONG BEACH, CA 90803

Relative:
Lower

Actual:
7 ft.

SEMS:

Site ID:	908768
EPA ID:	CAN000908768
Federal Facility:	N
NPL:	Not on the NPL
Non NPL Status:	Removal Only Site (No Site Assessment Work Needed)

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

LCW OIL OPERATIONS PCB SITE (Continued) **1012043078**

Site ID:	0908768
EPA ID:	CAN000908768
Facility County:	LOS ANGELES
Short Name:	LCW OIL OPERATIONS PCB SI
Congressional District:	Not reported
IFMS ID:	09SL
SMSA Number:	Not reported
USGC Hydro Unit:	Not reported
Federal Facility:	Not a Federal Facility
DMNSN Number:	0.00000
Site Orphan Flag:	Not reported
RCRA ID:	Not reported
USGS Quadrangle:	Not reported
Site Init By Prog:	R
NFRAP Flag:	Not reported
Parent ID:	Not reported
RST Code:	Not reported
EPA Region:	09
Classification:	Not reported
Site Settings Code:	Not reported
NPL Status:	Not on the NPL
DMNSN Unit Code:	Not reported
RBRAC Code:	Not reported
RResp Fed Agency Code:	Not reported
Non NPL Status:	Removal Only Site (No Site Assessment Work Needed)
Non NPL Status Date:	05/29/09
Site Fips Code:	06037
CC Concurrence Date:	/ /
CC Concurrence FY:	Not reported
Alias EPA ID:	Not reported
Site FUDS Flag:	Not reported

CERCLIS Site Contact Name(s):

Contact ID:	9270721.00000
Contact Name:	Robert Wise
Contact Tel:	(562) 499-6312
Contact Title:	On-Scene Coordinator (OSC)
Contact Email:	Not reported
Contact ID:	13003854.00000
Contact Name:	Leslie Ramirez
Contact Tel:	(415) 972-3978
Contact Title:	Site Assessment Manager (SAM)
Contact Email:	Not reported
Contact ID:	13003858.00000
Contact Name:	Sharon Murray
Contact Tel:	(415) 972-4250
Contact Title:	Site Assessment Manager (SAM)
Contact Email:	Not reported
Contact ID:	13004003.00000
Contact Name:	Carl Brickner
Contact Tel:	Not reported
Contact Title:	Site Assessment Manager (SAM)
Contact Email:	Not reported

LCW OIL OPERATIONS PCB SITE (Continued) **1012043078**

Alias Comments: Not reported
Site Description: Not reported

CERCLIS Assessment History:

Action Code:	001
Action:	REMOVAL ASSESSMENT
Date Started:	06/05/09
Date Completed:	01/11/10
Priority Level:	Not reported
Operable Unit:	SITEWIDE
Primary Responsibility:	EPA Fund-Financed
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

Action Code:	001
Action:	POTENTIALLY RESPONSIBLE PARTY EMERGENCY REMOVAL
Date Started:	01/06/10
Date Completed:	04/08/10
Priority Level:	Cleaned up
Operable Unit:	SITEWIDE
Primary Responsibility:	PRP Response Under State
Planning Status:	Primary
Urgency Indicator:	Emergency
Action Anomaly:	Voluntary Cleanup Start and Complete

Action Code:	001
Action:	NON-NATIONAL PRIORITIES LIST POTENTIALLY RESPONSIBLE PARTY SEARCH
Date Started:	06/05/09
Date Completed:	04/09/10
Priority Level:	No PRPs Identified
Operable Unit:	SITEWIDE
Primary Responsibility:	EPA In-House
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

E31 **LA COUNTY FLOOD CONTROL DUMP** **CA SWF/LF** **S106198551**
SW **SW WESTMINSTERAVE AND HWY 1 (PCH)** **N/A**
1/8-1/4 **LONG BEACH, CA**
0.195 mi.
1027 ft. **Site 1 of 2 in cluster E**

Relative:
Higher

Actual:
12 ft.

SWF/LF (SWIS):

Region:	STATE
Facility ID:	19-AK-5008
Lat/Long:	33.75564 / -118.10993
Owner Name:	Vickers II, Ms. / Pacific Coast Homes
Owner Telephone:	Not reported
Owner Address:	P O Box 285 Houston, TX 77001
Owner Address2:	1999 Avenue of the Stars
Owner City,St,Zip:	Los Angeles, CA 90067
Operational Status:	Closed
Operator:	Not reported

LA COUNTY FLOOD CONTROL DUMP (Continued) **S106198551**

Operator Phone:	Not reported
Operator Address:	Not reported
Operator Address2:	Not reported
Operator City,St,Zip:	Not reported
Permit Date:	Not reported
Permit Status:	Not reported
Permitted Acreage:	Not reported
Activity:	Solid Waste Disposal Site
Regulation Status:	Pre-regulations
Landuse Name:	Open Space - Irrigated,Commercial
GIS Source:	Map
Category:	Disposal
Unit Number:	01
Inspection Frequency:	Annual
Accepted Waste:	Not reported
Closure Date:	12/31/1962
Closure Type:	Estimated
Disposal Acreage:	Not reported
SWIS Num:	19-AK-5008
Waste Discharge Requirement Num:	Not reported
Program Type:	Not reported
Permitted Throughput with Units:	Not reported
Actual Throughput with Units:	Not reported
Permitted Capacity with Units:	Not reported
Remaining Capacity:	Not reported
Remaining Capacity with Units:	Not reported
Lat/Long:	33.75564 / -118.10993

E32
SW
1/8-1/4
0.197 mi.
1038 ft.

MARKET PLACE SANITARY LANDFILL **CA WMUDS/SWAT** **S104156308**
6501 PACIFIC COAST HIGHWAY **CA LDS** **N/A**
LONG BEACH, CA 90803

Site 2 of 2 in cluster E

Relative:
Higher

Actual:
12 ft.

WMUDS/SWAT:

Edit Date:	Not reported
Complexity:	Not reported
Primary Waste:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Base Meridian:	Not reported
NPID:	Not reported
Tonnage:	0
Regional Board ID:	60-89
Municipal Solid Waste:	False
Superorder:	False
Open To Public:	False
Waste List:	False
Agency Type:	Not reported
Agency Name:	CITY DUMP & SALVAGE
Agency Department:	Not reported
Agency Address:	411 FLINT AVENUE
Agency City,St,Zip:	LONG BEACH
Agency Contact:	Not reported
Agency Telephone:	Not reported
Land Owner Name:	BIXBY RANCH COMPANY
Land Owner Address:	523 WEST 6TH STREET

MARKET PLACE SANITARY LANDFILL (Continued) **S104156308**

Land Owner City,St,Zip:	LOS ANGELES, CA 90014
Land Owner Contact:	Not reported
Land Owner Phone:	Not reported
Region:	4
Facility Type:	Not reported
Facility Description:	Not reported
Facility Telephone:	Not reported
SWAT Facility Name:	Not reported
Primary SIC:	Not reported
Secondary SIC:	Not reported
Comments:	Not reported
Last Facility Editors:	Not reported
Waste Discharge System:	False
Solid Waste Assessment Test Program:	True
Toxic Pits Cleanup Act Program:	False
Resource Conservation Recovery Act:	False
Department of Defence:	False
Solid Waste Assessment Test Program:	CITY DUMP & SALVAGE
Threat to Water Quality:	Not reported
Sub Chapter 15:	False
Regional Board Project Officer:	B_P
Number of WMUDS at Facility:	1
Section Range:	Not reported
RCRA Facility:	Not reported
Waste Discharge Requirements:	Not reported
Self-Monitoring Rept. Frequency:	Not reported
Waste Discharge System ID:	4 190019NUR
Solid Waste Information ID:	Not reported

LDS:

Global Id:	T10000004438
Latitude:	33.75654
Longitude:	-118.1087
Case Type:	Land Disposal Site
Status:	Open - Inactive
Status Date:	11/13/2012
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Caseworker:	WY
Local Agency:	Not reported
RB Case Number:	60-089
LOC Case Number:	Not reported
File Location:	Not reported
Potential Media Affect:	Not reported
EDR Link ID:	T10000004438
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

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

F33
SSW
1/8-1/4
0.198 mi.
1045 ft.

CITY OF LONG BEACH
207 MARINA DR
LONG BEACH, CA 90803

CA UST **U003779410**
CA SWEEPS UST **N/A**

Site 1 of 3 in cluster F

Relative:
Higher

Actual:
13 ft.

UST:

Facility ID:	19-060-003030
Permitting Agency:	LONG BEACH, CITY OF
Latitude:	33.74781
Longitude:	-118.11447

SWEEPS UST:

Status:	Active
Comp Number:	33985
Number:	4
Board Of Equalization:	Not reported
Referral Date:	02-16-93
Action Date:	06-15-93
Created Date:	06-15-93
Owner Tank Id:	27906
SWRCB Tank Id:	19-060-033985-000001
Tank Status:	A
Capacity:	500
Active Date:	02-16-93
Tank Use:	OIL
STG:	W
Content:	WASTE OIL
Number Of Tanks:	1

F34
SSW
1/8-1/4
0.198 mi.
1045 ft.

LONG BEACH MARINE BUREAU (500 D/W JOOR)
0207 MARINA DR
LONG BEACH, CA

CA UST **U003854817**
N/A

Site 2 of 3 in cluster F

Relative:
Higher

Actual:
13 ft.

LONG BEACH UST:

DATA AS OF 02/25/2014:

Region:	LONG BEACH
Tanks:	1T
Tank Test:	Dual Walled
Leak Test:	Not reported
Tank Status:	Not reported

G35
SW
1/8-1/4
0.202 mi.
1064 ft.

CITY OF LONG BEACH
6610 MARINA DR
LONG BEACH, CA 90803

CA UST **U003854822**
N/A

Site 1 of 2 in cluster G

Relative:
Higher

Actual:
12 ft.

UST:

Facility ID:	19-060-003170
Permitting Agency:	LONG BEACH, CITY OF
Latitude:	33.75501
Longitude:	-118.11048

CITY OF LONG BEACH (Continued) **U003854822**

LONG BEACH UST:

DATA AS OF 02/25/2014:

Region:	LONG BEACH
Tanks:	1T
Tank Test:	Dual Walled
Leak Test:	Not reported
Tank Status:	Not reported

G36 **CITY OF LONG BEACH** **CA SWEEPS UST** **U003779416**
SW **6610 MARINA DR** **N/A**
1/8-1/4 **LONG BEACH, CA 90803**
0.202 mi.
1064 ft. **Site 2 of 2 in cluster G**

Relative:
Higher

Actual:
12 ft.

SWEEPS UST:

Status:	Active
Comp Number:	33992
Number:	3
Board Of Equalization:	Not reported
Referral Date:	02-16-93
Action Date:	06-15-93
Created Date:	06-15-93
Owner Tank Id:	27897
SWRCB Tank Id:	19-060-033992-000001
Tank Status:	A
Capacity:	500
Active Date:	02-16-93
Tank Use:	OIL
STG:	W
Content:	WASTE OIL
Number Of Tanks:	1

H37 **J'S CLEANERS & LAUNDRY** **CA SLIC** **S106483944**
SW **6481 EAST PACIFIC COAST HWY** **N/A**
1/8-1/4 **LONG BEACH, CA**
0.208 mi.
1099 ft. **Site 1 of 2 in cluster H**

Relative:
Higher

Actual:
12 ft.

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	07/08/2003
Global Id:	SL2044X1602
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number:	Not reported
Latitude:	33.790242
Longitude:	-118.203101
Case Type:	Cleanup Program Site
Case Worker:	AS
Local Agency:	Not reported
RB Case Number:	0841
File Location:	Not reported
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

J'S CLEANERS & LAUNDRY (Continued) **S106483944**

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

H38 **J'S CLEANERS & LAUNDRY** **CA SLIC** **S106387143**
SW **6481 PACIFIC COAST** **N/A**
1/8-1/4 **LONG BEACH, CA 90803**
0.208 mi.
1099 ft. **Site 2 of 2 in cluster H**

Relative:
Higher

Actual:
12 ft.

SLIC REG 4:

Region:	4
Facility Status:	No further action required
SLIC:	0841
Substance:	VOCs
Staff:	RE

F39 **ELLIOT TENEYCK LTD** **CA HIST UST** **U001576797**
SSW **5491 MARINA WAY DR** **CA EMI** **N/A**
1/8-1/4 **LONG BEACH, CA 92626**
0.235 mi.
1239 ft. **Site 3 of 3 in cluster F**

Relative:
Higher

Actual:
16 ft.

HIST UST:

File Number:	00026459
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00026459.pdf
Region:	STATE
Facility ID:	00000007745
Facility Type:	Other
Other Type:	OIL COMPANY
Contact Name:	JAMES B. HUTCHINGS
Telephone:	7145575888
Owner Name:	ELLIOTT TENEYCK LTD.
Owner Address:	3190 A AIRPORT LOOP DR.
Owner City,St,Zip:	COSTA MESA, CA 92626
Total Tanks:	0002
Tank Num:	001
Container Num:	PW 1
Year Installed:	1984
Tank Capacity:	00004200
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	12
Leak Detection:	Visual
Tank Num:	002
Container Num:	ET 1
Year Installed:	1979
Tank Capacity:	00003200
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	12
Leak Detection:	Visual

ELLIOT TENEYCK LTD (Continued) **U001576797**

Click here for Geo Tracker PDF:

EMI:

Year:	1987
County Code:	19
Air Basin:	SC
Facility ID:	39632
Air District Name:	SC
SIC Code:	1311
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	6
Reactive Organic Gases Tons/Yr:	6
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	1
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	1990
County Code:	19
Air Basin:	SC
Facility ID:	39632
Air District Name:	SC
SIC Code:	1311
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	10
Reactive Organic Gases Tons/Yr:	9
Carbon Monoxide Emissions Tons/Yr:	6
NOX - Oxides of Nitrogen Tons/Yr:	1
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

40
SSW
1/4-1/2
0.264 mi.
1396 ft.

EAVES SEAL BEACH **CA ENVIROSTOR** **S108649780**
333 FIRST STREET **CA VCP** **N/A**
SEAL BEACH, CA 90740

Relative:
Lower

Actual:
9 ft.

ENVIROSTOR:

Facility ID:	60000680
Status:	Active
Status Date:	07/16/2007
Site Code:	401380
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Cleanup
Acres:	13
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Willard Garrett
Supervisor:	Manny Alonzo
Division Branch:	Cleanup Cypress

EAVES SEAL BEACH (Continued) **S108649780**

Assembly: 72
Senate: 34
Special Program: CLRRA Liability Immunity (AB 389)
Restricted Use: YES
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 33.74927
Longitude: -118.1078
APN: NONE SPECIFIED
Past Use: DISTRIBUTOR - CHEMICAL
Potential COC: Arsenic Lead 1,1-Dichloroethane Naphthalene
Confirmed COC: Arsenic Naphthalene
Potential Description: SOIL
Alias Name: Archstone/Oakwood Apartments
Alias Type: Alternate Name
Alias Name: 110002718523
Alias Type: EPA (FRS #)
Alias Name: 110033612393
Alias Type: EPA (FRS #)
Alias Name: 401380
Alias Type: Project Code (Site Code)
Alias Name: 60000680
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: California Land Reuse and Revitalization Agreement
Completed Date: 07/16/2007
Comments: An AB 389 Agreement between DTSC and ASN Long Beach LLC, with Archstone Smith Operating Trust being the sole member (Archstone), was fully executed on 7/16/07.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 06/09/2014
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 10/28/2008
Comments: Annual Cost estimate letter sent to the RPs.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 11/05/2007
Comments: Anuual Cost Estimate letter was sent to the RPs.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 12/21/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE

EAVES SEAL BEACH (Continued) **S108649780**

Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/25/2015
Comments: Annual Cost estimate completed 11-25-2015

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/10/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 08/28/2009
Comments: Annual Cost Estimation letter 2010 sent.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 12/24/2007
Comments: DTSC Reviewed the Phase I & II Report. Further action is required.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 08/05/2011
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Deed/LUR Enforcement & Implementation Plan
Completed Date: 04/17/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/09/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/01/2012
Comments: GSUand HERO have no comments.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Long Term Monitoring Report
Completed Date: 11/28/2012
Comments: DTSC comments sent.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Long Term Monitoring Report
Completed Date: 07/17/2013

EAVES SEAL BEACH (Continued) **S108649780**

Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/02/2014
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Long Term Monitoring Report
Completed Date: 06/03/2014
Comments: DTSC made a program decision.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Soils Management Plan
Completed Date: 02/21/2014
Comments: Completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 05/05/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 06/27/2014
Comments: Fact sheet will be sent. Program decision was made on com profile.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 05/05/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Well Decommissioning Workplan
Completed Date: 07/29/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/04/2009
Comments: other

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/20/2011
Comments: completed

Completed Area Name: PROJECT WIDE

EAVES SEAL BEACH (Continued) **S108649780**

Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/14/2010
Comments: completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/31/2012
Comments: completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/28/2009
Comments: completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/31/2010
Comments: completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 06/29/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 04/13/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/07/2007
Comments: other

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 03/10/2011
Comments: other

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 05/02/2011
Comments: other

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 04/21/2008

EAVES SEAL BEACH (Continued) **S108649780**

Comments: other

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 10/30/2009
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/30/2010
Comments: COmpleted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 11/13/2007
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/04/2010
Comments: Comleted.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/09/2012
Comments: Complete

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/26/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 10/27/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/03/2014
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

EAVES SEAL BEACH (Continued) **S108649780**

Schedule Due Date: Not reported
Schedule Revised Date: Not reported

VCP:
Facility ID: 60000680
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 13
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Willard Garrett
Supervisor: Manny Alonzo
Division Branch: Cleanup Cypress
Site Code: 401380
Assembly: 72
Senate: 34
Special Programs Code: CLRRA Liability Immunity (AB 389)
Status: Active
Status Date: 07/16/2007
Restricted Use: YES
Funding: Responsible Party
Lat/Long: 33.74927 / -118.1078
APN: NONE SPECIFIED
Past Use: DISTRIBUTOR - CHEMICAL
Potential COC: 30001, 30013, 30192, 30484
Confirmed COC: 30001,30484
Potential Description: SOIL
Alias Name: Archstone/Oakwood Apartments
Alias Type: Alternate Name
Alias Name: 110002718523
Alias Type: EPA (FRS #)
Alias Name: 110033612393
Alias Type: EPA (FRS #)
Alias Name: 401380
Alias Type: Project Code (Site Code)
Alias Name: 60000680
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: California Land Reuse and Revitalization Agreement
Completed Date: 07/16/2007
Comments: An AB 389 Agreement between DTSC and ASN Long Beach LLC, with Archstone Smith Operating Trust being the sole member (Archstone), was fully executed on 7/16/07.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 06/09/2014
Comments: Completed

Completed Area Name: PROJECT WIDE

EAVES SEAL BEACH (Continued) **S108649780**

Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 10/28/2008
Comments: Annual Cost estimate letter sent to the RPs.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 11/05/2007
Comments: Anuual Cost Estimate letter was sent to the RPs.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 12/21/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/25/2015
Comments: Annual Cost estimate completed 11-25-2015

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/10/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 08/28/2009
Comments: Annual Cost Estimation letter 2010 sent.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 12/24/2007
Comments: DTSC Reviewed the Phase I & II Report. Further action is required.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 08/05/2011
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Deed/LUR Enforcement & Implementation Plan
Completed Date: 04/17/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/09/2012

EAVES SEAL BEACH (Continued) **S108649780**

Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/01/2012
Comments: GSUand HERO have no comments.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Long Term Monitoring Report
Completed Date: 11/28/2012
Comments: DTSC comments sent.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Long Term Monitoring Report
Completed Date: 07/17/2013
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/02/2014
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Long Term Monitoring Report
Completed Date: 06/03/2014
Comments: DTSC made a program decision.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Soils Management Plan
Completed Date: 02/21/2014
Comments: Completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 05/05/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 06/27/2014
Comments: Fact sheet will be sent. Program decision was made on com profile.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 05/05/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE

EAVES SEAL BEACH (Continued) **S108649780**

Completed Sub Area Name: Not reported
Completed Document Type: Well Decommissioning Workplan
Completed Date: 07/29/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/04/2009
Comments: other

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/20/2011
Comments: completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/14/2010
Comments: completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/31/2012
Comments: completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/28/2009
Comments: completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/31/2010
Comments: completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 06/29/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 04/13/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/07/2007

EAVES SEAL BEACH (Continued) **S108649780**

Comments: other

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 03/10/2011
Comments: other

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 05/02/2011
Comments: other

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 04/21/2008
Comments: other

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 10/30/2009
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/30/2010
Comments: COmpleted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 11/13/2007
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/04/2010
Comments: Comleted.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/09/2012
Comments: Complete

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/26/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE

EAVES SEAL BEACH (Continued) **S108649780**

Completed Sub Area Name:	Not reported
Completed Document Type:	CEQA - Notice of Exemption
Completed Date:	10/27/2014
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Annual Oversight Cost Estimate
Completed Date:	11/03/2014
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

I41 **EXXONMOBIL OIL CORPORATION 13005** **RCRA-SQG** **1000337799**
WSW **6401 E PACIFIC COAST HWY** **CA LUST** **CAD981381049**
1/4-1/2 **LONG BEACH, CA 90803** **FINDS**
0.325 mi. **CA HIST CORTESE**
1716 ft. **Site 1 of 4 in cluster I** **ECHO**

Relative:
Lower

Actual:
10 ft.

RCRA-SQG:

Date form received by agency:	07/31/2006
Facility name:	EXXONMOBIL OIL CORPORATION 13005
Facility address:	6401 E PACIFIC COAST HWY LONG BEACH, CA 90803
EPA ID:	CAD981381049
Mailing address:	16945 NORTHCHASE DR RM 538 HOUSTON, TX 77060
Contact:	DALE VIATOR
Contact address:	16945 NORTHCHASE DR RM 538 HOUSTON, TX 77060
Contact country:	US
Contact telephone:	281-654-8470
Contact email:	DALE.VIATOR@EXXONMOBIL.COM
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	EXXONMOBIL OIL CORPORATION
Owner/operator address:	Not reported Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private

EXXONMOBIL OIL CORPORATION 13005 (Continued) **1000337799**

Owner/Operator Type: Operator
Owner/Op start date: 12/01/1999
Owner/Op end date: Not reported

Owner/operator name: EXXONMOBIL OIL CORPORATION
Owner/operator address: 3225 GALLOWS RD
FAIRFAX, VA 22037
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 12/01/1999
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
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: D018
. Waste name: BENZENE

Historical Generators:
Date form received by agency: 06/13/2006
Site name: EXXONMOBIL OIL CORPORATION 730470
Classification: Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D018
. Waste name: BENZENE

Date form received by agency: 09/01/1996
Site name: EXXON STA NO 73047
Classification: Small Quantity Generator

Date form received by agency: 02/20/1986
Site name: EXXON STA NO 73047
Classification: Large Quantity Generator

EXXONMOBIL OIL CORPORATION 13005 (Continued) **1000337799**

Violation Status: No violations found

LUST:

Region:	STATE
Global Id:	T0603701717
Latitude:	33.7579384925876
Longitude:	-118.11067700386
Case Type:	LUST Cleanup Site
Status:	Open - Remediation
Status Date:	03/03/2010
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Worker:	DMB
Local Agency:	LONG BEACH, CITY OF
RB Case Number:	908030016
LOC Case Number:	Not reported
File Location:	Regional Board
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:	T0603701717
Contact Type:	Local Agency Caseworker
Contact Name:	CARMEN PIRO
Organization Name:	LONG BEACH, CITY OF
Address:	2525 GRAND AVE.
City:	LONG BEACH
Email:	carmen.piro@longbeach.gov
Phone Number:	5625704137

Global Id:	T0603701717
Contact Type:	Regional Board Caseworker
Contact Name:	DAVID M. BJOSTAD
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4th Street, Suite 200
City:	Los Angeles
Email:	dbjostad@waterboards.ca.gov
Phone Number:	Not reported

Status History:

Global Id:	T0603701717
Status:	Open - Case Begin Date
Status Date:	04/20/1983

Global Id:	T0603701717
Status:	Open - Remediation
Status Date:	06/09/1999

Global Id:	T0603701717
Status:	Open - Remediation
Status Date:	12/07/1999

Global Id:	T0603701717
Status:	Open - Remediation
Status Date:	10/18/2004

EXXONMOBIL OIL CORPORATION 13005 (Continued) **1000337799**

Global Id: T0603701717
Status: Open - Remediation
Status Date: 01/14/2005

Global Id: T0603701717
Status: Open - Remediation
Status Date: 07/15/2005

Global Id: T0603701717
Status: Open - Remediation
Status Date: 10/14/2005

Global Id: T0603701717
Status: Open - Remediation
Status Date: 01/13/2006

Global Id: T0603701717
Status: Open - Remediation
Status Date: 04/14/2006

Global Id: T0603701717
Status: Open - Remediation
Status Date: 07/13/2006

Global Id: T0603701717
Status: Open - Remediation
Status Date: 10/16/2006

Global Id: T0603701717
Status: Open - Remediation
Status Date: 01/16/2007

Global Id: T0603701717
Status: Open - Remediation
Status Date: 04/16/2007

Global Id: T0603701717
Status: Open - Remediation
Status Date: 07/16/2007

Global Id: T0603701717
Status: Open - Remediation
Status Date: 10/11/2007

Global Id: T0603701717
Status: Open - Remediation
Status Date: 01/16/2008

Global Id: T0603701717
Status: Open - Remediation
Status Date: 03/03/2010

Global Id: T0603701717
Status: Open - Site Assessment
Status Date: 06/30/1995

Global Id: T0603701717

EXXONMOBIL OIL CORPORATION 13005 (Continued) **1000337799**

Status: Open - Site Assessment
Status Date: 05/11/2004

Global Id: T0603701717
Status: Open - Site Assessment
Status Date: 06/08/2007

Global Id: T0603701717
Status: Open - Verification Monitoring
Status Date: 04/06/1988

Regulatory Activities:
Global Id: T0603701717
Action Type: RESPONSE
Date: 07/15/2013
Action: Monitoring Report - Semi-Annually

Global Id: T0603701717
Action Type: RESPONSE
Date: 01/15/2014
Action: Monitoring Report - Semi-Annually

Global Id: T0603701717
Action Type: RESPONSE
Date: 01/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603701717
Action Type: RESPONSE
Date: 04/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603701717
Action Type: RESPONSE
Date: 07/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603701717
Action Type: RESPONSE
Date: 10/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603701717
Action Type: REMEDIATION
Date: 04/12/2006
Action: Pump & Treat (P&T) Groundwater

Global Id: T0603701717
Action Type: RESPONSE
Date: 01/15/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0603701717
Action Type: RESPONSE
Date: 04/15/2006
Action: Monitoring Report - Quarterly

EXXONMOBIL OIL CORPORATION 13005 (Continued) **1000337799**

Global Id: T0603701717
Action Type: RESPONSE
Date: 04/15/2006
Action: Remedial Progress Report

Global Id: T0603701717
Action Type: RESPONSE
Date: 01/15/2008
Action: Remedial Progress Report

Global Id: T0603701717
Action Type: RESPONSE
Date: 01/15/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0603701717
Action Type: RESPONSE
Date: 07/15/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0603701717
Action Type: RESPONSE
Date: 03/13/2003
Action: Soil and Water Investigation Report

Global Id: T0603701717
Action Type: RESPONSE
Date: 07/15/2002
Action: Monitoring Report - Quarterly

Global Id: T0603701717
Action Type: RESPONSE
Date: 04/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0603701717
Action Type: RESPONSE
Date: 07/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603701717
Action Type: RESPONSE
Date: 01/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603701717
Action Type: RESPONSE
Date: 10/15/2005
Action: Remedial Progress Report

Global Id: T0603701717
Action Type: RESPONSE
Date: 07/15/2005
Action: Remedial Progress Report

Global Id: T0603701717
Action Type: ENFORCEMENT

EXXONMOBIL OIL CORPORATION 13005 (Continued) **1000337799**

Date: 05/20/2002
Action: Staff Letter

Global Id: T0603701717
Action Type: ENFORCEMENT
Date: 05/11/2004
Action: Staff Letter

Global Id: T0603701717
Action Type: Other
Date: 04/06/1988
Action: Leak Reported

Global Id: T0603701717
Action Type: RESPONSE
Date: 04/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0603701717
Action Type: RESPONSE
Date: 04/15/2014
Action: Monitoring Report - Semi-Annually

Global Id: T0603701717
Action Type: RESPONSE
Date: 01/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0603701717
Action Type: RESPONSE
Date: 07/15/2006
Action: Remedial Progress Report

Global Id: T0603701717
Action Type: RESPONSE
Date: 10/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603701717
Action Type: RESPONSE
Date: 10/15/2006
Action: Remedial Progress Report

Global Id: T0603701717
Action Type: RESPONSE
Date: 04/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603701717
Action Type: RESPONSE
Date: 01/15/2007
Action: Remedial Progress Report

Global Id: T0603701717
Action Type: ENFORCEMENT
Date: 06/05/2003
Action: Staff Letter

EXXONMOBIL OIL CORPORATION 13005 (Continued) **1000337799**

Global Id: T0603701717
Action Type: ENFORCEMENT
Date: 02/24/2003
Action: Staff Letter

Global Id: T0603701717
Action Type: ENFORCEMENT
Date: 10/25/2002
Action: Site Visit / Inspection / Sampling

Global Id: T0603701717
Action Type: RESPONSE
Date: 07/15/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0603701717
Action Type: RESPONSE
Date: 10/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0603701717
Action Type: RESPONSE
Date: 01/15/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0603701717
Action Type: RESPONSE
Date: 07/15/2003
Action: Soil and Water Investigation Report

Global Id: T0603701717
Action Type: RESPONSE
Date: 01/15/2015
Action: Monitoring Report - Semi-Annually

Global Id: T0603701717
Action Type: RESPONSE
Date: 07/15/2003
Action: Soil and Water Investigation Workplan

Global Id: T0603701717
Action Type: RESPONSE
Date: 06/15/2004
Action: Soil and Water Investigation Report

Global Id: T0603701717
Action Type: RESPONSE
Date: 04/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603701717
Action Type: RESPONSE
Date: 01/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603701717
Action Type: RESPONSE

EXXONMOBIL OIL CORPORATION 13005 (Continued) **1000337799**

Date: 07/15/2015
Action: Monitoring Report - Semi-Annually

Global Id: T0603701717
Action Type: RESPONSE
Date: 04/15/2007
Action: Remedial Progress Report

Global Id: T0603701717
Action Type: RESPONSE
Date: 07/15/2007
Action: Soil and Water Investigation Workplan

Global Id: T0603701717
Action Type: RESPONSE
Date: 10/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603701717
Action Type: RESPONSE
Date: 10/15/2007
Action: Remedial Progress Report

Global Id: T0603701717
Action Type: RESPONSE
Date: 07/15/2007
Action: CAP/RAP - Feasibility Study Report

Global Id: T0603701717
Action Type: RESPONSE
Date: 04/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603701717
Action Type: RESPONSE
Date: 04/15/2014
Action: Corrective Action Plan / Remedial Action Plan - Regulator Responded

Global Id: T0603701717
Action Type: RESPONSE
Date: 07/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603701717
Action Type: RESPONSE
Date: 08/29/2012
Action: Well Installation Workplan

Global Id: T0603701717
Action Type: RESPONSE
Date: 08/29/2012
Action: Pilot Study / Treatability Workplan

Global Id: T0603701717
Action Type: RESPONSE
Date: 02/18/2003
Action: Soil and Water Investigation Workplan

EXXONMOBIL OIL CORPORATION 13005 (Continued) **1000337799**

Global Id: T0603701717
Action Type: RESPONSE
Date: 07/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0603701717
Action Type: RESPONSE
Date: 06/15/2004
Action: Other Report / Document

Global Id: T0603701717
Action Type: RESPONSE
Date: 01/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603701717
Action Type: ENFORCEMENT
Date: 05/30/2003
Action: Staff Letter

Global Id: T0603701717
Action Type: ENFORCEMENT
Date: 10/16/2003
Action: Staff Letter

Global Id: T0603701717
Action Type: RESPONSE
Date: 07/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603701717
Action Type: RESPONSE
Date: 07/15/2004
Action: Monitoring Report - Semi-Annually

Global Id: T0603701717
Action Type: RESPONSE
Date: 07/30/2004
Action: Soil and Water Investigation Report

Global Id: T0603701717
Action Type: RESPONSE
Date: 01/15/2015
Action: Remedial Progress Report

Global Id: T0603701717
Action Type: RESPONSE
Date: 10/15/2004
Action: Remedial Progress Report

Global Id: T0603701717
Action Type: ENFORCEMENT
Date: 04/15/1999
Action: Staff Letter

Global Id: T0603701717
Action Type: ENFORCEMENT

EXXONMOBIL OIL CORPORATION 13005 (Continued) **1000337799**

Date: 06/15/2009
Action: Staff Letter

Global Id: T0603701717
Action Type: RESPONSE
Date: 01/15/2013
Action: Monitoring Report - Quarterly

Global Id: T0603701717
Action Type: RESPONSE
Date: 10/31/2012
Action: Correspondence

Global Id: T0603701717
Action Type: RESPONSE
Date: 10/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603701717
Action Type: RESPONSE
Date: 01/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603701717
Action Type: RESPONSE
Date: 01/15/2005
Action: Remedial Progress Report

Global Id: T0603701717
Action Type: RESPONSE
Date: 04/15/2002
Action: Monitoring Report - Quarterly

Global Id: T0603701717
Action Type: RESPONSE
Date: 07/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603701717
Action Type: RESPONSE
Date: 07/15/2007
Action: Remedial Progress Report

Global Id: T0603701717
Action Type: RESPONSE
Date: 10/15/2002
Action: Monitoring Report - Quarterly

Global Id: T0603701717
Action Type: RESPONSE
Date: 01/15/2006
Action: Remedial Progress Report

Global Id: T0603701717
Action Type: REMEDIATION
Date: 09/03/1998
Action: Soil Vapor Extraction (SVE)

EXXONMOBIL OIL CORPORATION 13005 (Continued) **1000337799**

Global Id: T0603701717
Action Type: REMEDIATION
Date: 09/03/1998
Action: Free Product Removal

Global Id: T0603701717
Action Type: ENFORCEMENT
Date: 01/26/2004
Action: Staff Letter

Global Id: T0603701717
Action Type: RESPONSE
Date: 10/15/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0603701717
Action Type: RESPONSE
Date: 07/15/2009
Action: Monitoring Report - Semi-Annually

Global Id: T0603701717
Action Type: RESPONSE
Date: 10/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603701717
Action Type: RESPONSE
Date: 01/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0603701717
Action Type: RESPONSE
Date: 07/15/2010
Action: Monitoring Report - Semi-Annually

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 908030016
Status: Pollution Characterization
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: FP VE
Global ID: T0603701717
W Global ID: Not reported
Staff: JLC
Local Agency: 19060
Cross Street: WESTMINSTER
Enforcement Type: SEL
Date Leak Discovered: Not reported
Date Leak First Reported: 4/6/1988
Date Leak Record Entered: 12/31/1986
Date Confirmation Began: Not reported

EXXONMOBIL OIL CORPORATION 13005 (Continued) **1000337799**

Date Leak Stopped:	Not reported
Date Case Last Changed on Database:	8/28/2002
Date the Case was Closed:	Not reported
How Leak Discovered:	Not reported
How Leak Stopped:	Not reported
Cause of Leak:	UNK
Leak Source:	UNK
Operator:	Not reported
Water System:	Not reported
Well Name:	Not reported
Approx. Dist To Production Well (ft):	11590.310436452441846753409696
Source of Cleanup Funding:	UNK
Preliminary Site Assessment Workplan Submitted:	6/30/1995
Preliminary Site Assessment Began:	6/30/1995
Pollution Characterization Began:	5/16/2003
Remediation Plan Submitted:	6/9/1999
Remedial Action Underway:	12/7/1999
Post Remedial Action Monitoring Began:	4/6/1988
Enforcement Action Date:	Not reported
Historical Max MTBE Date:	8/1/1996
Hist Max MTBE Conc in Groundwater:	750000
Hist Max MTBE Conc in Soil:	Not reported
Significant Interim Remedial Action Taken:	Yes
GW Qualifier:	Not reported
Soil Qualifier:	Not reported
Organization:	Not reported
Owner Contact:	Not reported
Responsible Party:	MS. MARLA GUENSLER
RP Address:	20372 N. SEA CIRCLE
Program:	LUST
Lat/Long:	33.7581443 / -1
Local Agency Staff:	Not reported
Beneficial Use:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Suspended:	Not reported
Assigned Name:	Not reported
Summary:	7/14/00 2ND QTR GW MON RPT 2000; 11/10/00 3RD QTR GW MON RPT 2000; 1/12/01 4TH QTR GW MON RPT 2000; 4/12/01 1ST QTR GW MON RPT 2001

FINDS:

Registry ID: 110055877216

Environmental Interest/Information System
STATE MASTER

Registry ID: 110002687673

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.

EXXONMOBIL OIL CORPORATION 13005 (Continued) **1000337799**

HIST CORTESE:

Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	908030016

ECHO:

Envid:	1000337799
Registry ID:	110002687673
DFR URL:	http://echo.epa.gov/detailed_facility_report?fid=110002687673

Envid:	1000337799
Registry ID:	110055877216
DFR URL:	http://echo.epa.gov/detailed_facility_report?fid=110055877216

42
North
1/4-1/2
0.336 mi.
1774 ft.

LOYNES BEACH PARTNERS LLC **CA ENVIROSTOR** **S116490700**
400 N STUDEBAKER ROAD **N/A**
LONG BEACH, CA 90803

Relative:
Lower

Actual:
0 ft.

ENVIROSTOR:

Facility ID:	60001986
Status:	Active
Status Date:	02/01/2014
Site Code:	530078
Site Type:	Corrective Action
Site Type Detailed:	Corrective Action
Acres:	18
NPL:	NO
Regulatory Agencies:	HWMP, SMBRP
Lead Agency:	SMBRP
Program Manager:	Steven Rounds
Supervisor:	Allan Plaza
Division Branch:	Cleanup Chatsworth
Assembly:	70
Senate:	34
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	33.77373
Longitude:	-118.1032
APN:	NONE SPECIFIED
Past Use:	ABOVE GROUND STORAGE TANKS
Potential COC:	PCBs (unspeciated mixture, low risk, e.g. Aroclor 1016 Vanadium and compounds
Confirmed COC:	30587-NO 30469-NO
Potential Description:	SOIL, SV
Alias Name:	CAL000274189
Alias Type:	EPA Identification Number
Alias Name:	530078
Alias Type:	Project Code (Site Code)
Alias Name:	60001986
Alias Type:	Envirostor ID Number

Completed Info:

LOYNES BEACH PARTNERS LLC (Continued) **S116490700**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/06/2014
Comments: Sent.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/28/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Report
Completed Date: 04/07/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Workplan
Completed Date: 07/16/2014
Comments: Workplan approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 04/02/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Agreement
Completed Date: 02/18/2014
Comments: CACA signed 2/18/2014

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Land Use Restriction
Schedule Due Date: 02/19/2016
Schedule Revised Date: Not reported

I43 **TOSCO - 76 STATION #5379 (FORMER)** **CA LUST** **S101296826**
WSW **6280 002ND ST E** **CA HIST CORTESE** **N/A**
1/4-1/2 **LONG BEACH, CA 90803**
0.367 mi.
1937 ft. **Site 2 of 4 in cluster I**

Relative:
Lower

Actual:
10 ft.

LUST:
Region: STATE
Global Id: T0603701721
Latitude: 33.7577868545749
Longitude: -118.111299276352
Case Type: LUST Cleanup Site

TOSCO - 76 STATION #5379 (FORMER) (Continued) **S101296826**

Status:	Open - Remediation
Status Date:	10/20/2009
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Worker:	DMB
Local Agency:	LONG BEACH, CITY OF
RB Case Number:	908030052
LOC Case Number:	Not reported
File Location:	Regional Board
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:	T0603701721
Contact Type:	Local Agency Caseworker
Contact Name:	CARMEN PIRO
Organization Name:	LONG BEACH, CITY OF
Address:	2525 GRAND AVE.
City:	LONG BEACH
Email:	carmen.piro@longbeach.gov
Phone Number:	5625704137

Global Id:	T0603701721
Contact Type:	Regional Board Caseworker
Contact Name:	DAVID M. BJOSTAD
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4th Street, Suite 200
City:	Los Angeles
Email:	dbjostad@waterboards.ca.gov
Phone Number:	Not reported

Status History:

Global Id:	T0603701721
Status:	Open - Case Begin Date
Status Date:	09/05/1985

Global Id:	T0603701721
Status:	Open - Remediation
Status Date:	03/15/2001

Global Id:	T0603701721
Status:	Open - Remediation
Status Date:	05/22/2003

Global Id:	T0603701721
Status:	Open - Remediation
Status Date:	07/09/2003

Global Id:	T0603701721
Status:	Open - Remediation
Status Date:	12/10/2004

Global Id:	T0603701721
Status:	Open - Remediation
Status Date:	11/01/2006

TOSCO - 76 STATION #5379 (FORMER) (Continued) **S101296826**

Global Id: T0603701721
Status: Open - Remediation
Status Date: 01/19/2007

Global Id: T0603701721
Status: Open - Remediation
Status Date: 04/16/2007

Global Id: T0603701721
Status: Open - Remediation
Status Date: 07/25/2007

Global Id: T0603701721
Status: Open - Remediation
Status Date: 10/30/2007

Global Id: T0603701721
Status: Open - Remediation
Status Date: 10/20/2009

Global Id: T0603701721
Status: Open - Site Assessment
Status Date: 09/05/1985

Global Id: T0603701721
Status: Open - Site Assessment
Status Date: 11/19/1987

Global Id: T0603701721
Status: Open - Site Assessment
Status Date: 06/22/2000

Global Id: T0603701721
Status: Open - Site Assessment
Status Date: 10/22/2003

Global Id: T0603701721
Status: Open - Site Assessment
Status Date: 01/17/2006

Global Id: T0603701721
Status: Open - Verification Monitoring
Status Date: 09/16/1987

Regulatory Activities:
Global Id: T0603701721
Action Type: RESPONSE
Date: 01/15/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0603701721
Action Type: RESPONSE
Date: 07/15/2010
Action: Remedial Progress Report

Global Id: T0603701721
Action Type: RESPONSE

TOSCO - 76 STATION #5379 (FORMER) (Continued) **S101296826**

Date: 10/15/2010
Action: Remedial Progress Report

Global Id: T0603701721
Action Type: RESPONSE
Date: 10/15/2008
Action: Remedial Progress Report

Global Id: T0603701721
Action Type: RESPONSE
Date: 01/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603701721
Action Type: RESPONSE
Date: 01/12/2006
Action: Soil and Water Investigation Report

Global Id: T0603701721
Action Type: REMEDIATION
Date: 11/17/2009
Action: Pump & Treat (P&T) Groundwater

Global Id: T0603701721
Action Type: RESPONSE
Date: 07/15/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0603701721
Action Type: ENFORCEMENT
Date: 10/21/2009
Action: Technical Correspondence / Assistance / Other

Global Id: T0603701721
Action Type: RESPONSE
Date: 05/24/2011
Action: Remedial Progress Report

Global Id: T0603701721
Action Type: RESPONSE
Date: 07/15/2009
Action: Monitoring Report - Semi-Annually

Global Id: T0603701721
Action Type: RESPONSE
Date: 10/04/2013
Action: Site Assessment Report

Global Id: T0603701721
Action Type: RESPONSE
Date: 10/15/2013
Action: Monitoring Report - Quarterly

Global Id: T0603701721
Action Type: RESPONSE
Date: 07/15/2006
Action: Monitoring Report - Quarterly

TOSCO - 76 STATION #5379 (FORMER) (Continued) **S101296826**

Global Id: T0603701721
Action Type: RESPONSE
Date: 10/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603701721
Action Type: ENFORCEMENT
Date: 09/25/2008
Action: Meeting

Global Id: T0603701721
Action Type: RESPONSE
Date: 04/15/2011
Action: Other Report / Document

Global Id: T0603701721
Action Type: RESPONSE
Date: 10/15/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0603701721
Action Type: RESPONSE
Date: 12/12/2013
Action: Conceptual Site Model

Global Id: T0603701721
Action Type: RESPONSE
Date: 01/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603701721
Action Type: RESPONSE
Date: 01/17/2006
Action: Soil and Water Investigation Workplan

Global Id: T0603701721
Action Type: RESPONSE
Date: 10/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603701721
Action Type: RESPONSE
Date: 10/15/2006
Action: Remedial Progress Report

Global Id: T0603701721
Action Type: RESPONSE
Date: 10/15/2003
Action: Preliminary Site Assessment Report

Global Id: T0603701721
Action Type: RESPONSE
Date: 08/11/2010
Action: Soil and Water Investigation Report

Global Id: T0603701721
Action Type: RESPONSE

TOSCO - 76 STATION #5379 (FORMER) (Continued) **S101296826**

Date: 10/18/2010
Action: Soil and Water Investigation Report

Global Id: T0603701721
Action Type: ENFORCEMENT
Date: 09/14/1999
Action: Staff Letter

Global Id: T0603701721
Action Type: Other
Date: 09/16/1987
Action: Leak Reported

Global Id: T0603701721
Action Type: RESPONSE
Date: 04/15/2002
Action: Monitoring Report - Quarterly

Global Id: T0603701721
Action Type: RESPONSE
Date: 07/15/2002
Action: Monitoring Report - Quarterly

Global Id: T0603701721
Action Type: RESPONSE
Date: 10/15/2002
Action: Monitoring Report - Quarterly

Global Id: T0603701721
Action Type: RESPONSE
Date: 12/19/2012
Action: Soil and Water Investigation Workplan - Addendum - Regulator Responded

Global Id: T0603701721
Action Type: RESPONSE
Date: 10/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603701721
Action Type: RESPONSE
Date: 04/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603701721
Action Type: ENFORCEMENT
Date: 12/16/2010
Action: Staff Letter

Global Id: T0603701721
Action Type: RESPONSE
Date: 01/15/2012
Action: Remedial Progress Report

Global Id: T0603701721
Action Type: RESPONSE
Date: 04/15/2012
Action: Monitoring Report - Semi-Annually

TOSCO - 76 STATION #5379 (FORMER) (Continued) **S101296826**

Global Id: T0603701721
Action Type: RESPONSE
Date: 04/15/2015
Action: Monitoring Report - Quarterly

Global Id: T0603701721
Action Type: RESPONSE
Date: 01/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0603701721
Action Type: RESPONSE
Date: 04/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0603701721
Action Type: RESPONSE
Date: 01/15/2007
Action: Remedial Progress Report

Global Id: T0603701721
Action Type: ENFORCEMENT
Date: 06/15/2009
Action: Staff Letter

Global Id: T0603701721
Action Type: RESPONSE
Date: 06/15/2012
Action: Well Installation Workplan

Global Id: T0603701721
Action Type: RESPONSE
Date: 07/15/2012
Action: Remedial Progress Report

Global Id: T0603701721
Action Type: RESPONSE
Date: 04/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603701721
Action Type: RESPONSE
Date: 07/15/2014
Action: Monitoring Report - Semi-Annually

Global Id: T0603701721
Action Type: RESPONSE
Date: 04/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603701721
Action Type: RESPONSE
Date: 07/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603701721
Action Type: RESPONSE

TOSCO - 76 STATION #5379 (FORMER) (Continued) **S101296826**

Date: 07/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603701721
Action Type: RESPONSE
Date: 01/15/2015
Action: Monitoring Report - Semi-Annually

Global Id: T0603701721
Action Type: RESPONSE
Date: 01/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603701721
Action Type: ENFORCEMENT
Date: 07/09/2003
Action: Staff Letter

Global Id: T0603701721
Action Type: RESPONSE
Date: 10/15/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0603701721
Action Type: RESPONSE
Date: 01/15/2013
Action: Monitoring Report - Semi-Annually

Global Id: T0603701721
Action Type: RESPONSE
Date: 02/16/2002
Action: CAP/RAP - Final Remediation / Design Plan

Global Id: T0603701721
Action Type: RESPONSE
Date: 07/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0603701721
Action Type: RESPONSE
Date: 07/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603701721
Action Type: RESPONSE
Date: 01/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603701721
Action Type: RESPONSE
Date: 10/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0603701721
Action Type: RESPONSE
Date: 10/15/2007
Action: Remedial Progress Report

TOSCO - 76 STATION #5379 (FORMER) (Continued) **S101296826**

Global Id: T0603701721
Action Type: REMEDIATION
Date: 07/01/1998
Action: Excavation

Global Id: T0603701721
Action Type: RESPONSE
Date: 07/15/2008
Action: Remedial Progress Report

Global Id: T0603701721
Action Type: RESPONSE
Date: 07/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603701721
Action Type: RESPONSE
Date: 01/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0603701721
Action Type: RESPONSE
Date: 01/15/2013
Action: Remedial Progress Report

Global Id: T0603701721
Action Type: RESPONSE
Date: 10/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603701721
Action Type: RESPONSE
Date: 10/23/2009
Action: Interim Remedial Action Plan

Global Id: T0603701721
Action Type: RESPONSE
Date: 10/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603701721
Action Type: RESPONSE
Date: 01/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603701721
Action Type: RESPONSE
Date: 04/15/2007
Action: Remedial Progress Report

Global Id: T0603701721
Action Type: RESPONSE
Date: 04/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603701721
Action Type: REMEDIATION

TOSCO - 76 STATION #5379 (FORMER) (Continued) **S101296826**

Date: 02/10/2004
Action: In Situ Biological Treatment

Global Id: T0603701721
Action Type: RESPONSE
Date: 01/15/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0603701721
Action Type: REMEDIATION
Date: 07/01/1997
Action: Free Product Removal

Global Id: T0603701721
Action Type: ENFORCEMENT
Date: 11/16/2001
Action: Staff Letter

Global Id: T0603701721
Action Type: ENFORCEMENT
Date: 01/09/2004
Action: Staff Letter

Global Id: T0603701721
Action Type: RESPONSE
Date: 10/15/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0603701721
Action Type: RESPONSE
Date: 07/15/2013
Action: Monitoring Report - Semi-Annually

Global Id: T0603701721
Action Type: RESPONSE
Date: 04/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0603701721
Action Type: RESPONSE
Date: 07/15/2013
Action: Remedial Progress Report

Global Id: T0603701721
Action Type: RESPONSE
Date: 07/15/2007
Action: Remedial Progress Report

Global Id: T0603701721
Action Type: RESPONSE
Date: 04/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603701721
Action Type: REMEDIATION
Date: 07/01/1998
Action: Other (Use Description Field)

TOSCO - 76 STATION #5379 (FORMER) (Continued) **S101296826**

LUST REG 4:

Region:	4
Regional Board:	04
County:	Los Angeles
Facility Id:	908030052
Status:	Remedial action (cleanup) Underway
Substance:	Gasoline
Substance Quantity:	Not reported
Local Case No:	Not reported
Case Type:	Groundwater
Abatement Method Used at the Site:	Excavate and Dispose
Global ID:	T0603701721
W Global ID:	Not reported
Staff:	HDN
Local Agency:	19060
Cross Street:	PCH
Enforcement Type:	DLSEL
Date Leak Discovered:	Not reported
Date Leak First Reported:	9/16/1987
Date Leak Record Entered:	3/10/1988
Date Confirmation Began:	Not reported
Date Leak Stopped:	Not reported
Date Case Last Changed on Database:	7/15/2002
Date the Case was Closed:	Not reported
How Leak Discovered:	Not reported
How Leak Stopped:	Not reported
Cause of Leak:	Not reported
Leak Source:	Not reported
Operator:	Not reported
Water System:	Not reported
Well Name:	Not reported
Approx. Dist To Production Well (ft):	11867.0816945719120221151518 81
Source of Cleanup Funding:	Not reported
Preliminary Site Assessment Workplan Submitted:	9/5/1985
Preliminary Site Assessment Began:	11/19/1987
Pollution Characterization Began:	6/22/2000
Remediation Plan Submitted:	5/22/2003
Remedial Action Underway:	7/9/2003
Post Remedial Action Monitoring Began:	9/16/1987
Enforcement Action Date:	7/28/2000
Historical Max MTBE Date:	9/8/1998
Hist Max MTBE Conc in Groundwater:	26300
Hist Max MTBE Conc in Soil:	Not reported
Significant Interim Remedial Action Taken:	Yes
GW Qualifier:	Not reported
Soil Qualifier:	Not reported
Organization:	Not reported
Owner Contact:	Not reported
Responsible Party:	STEVE KEANE
RP Address:	3525 HYLAND AVE., COSTA MESA, CA 92626
Program:	LUST
Lat/Long:	33.7577543 / -1
Local Agency Staff:	Not reported
Beneficial Use:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Suspended:	Not reported

TOSCO - 76 STATION #5379 (FORMER) (Continued) **S101296826**

Assigned Name: Not reported
Summary: 9/30/00 3RD QTR GW MON RPT 2000; 10/10/00 WELL INSTALLATION REPORT; 11/6/00 DUAL-PHASE VACUUM EXTRACTION RPT; 12/14/00 DUAL-PHASE VACUUM EXTRACTION RPT; 1/13/01 4TH QTR GW MON RPT 2000

HIST CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 908030052

I44
WSW
1/4-1/2
0.369 mi.
1950 ft.

Relative:
Lower

Actual:
7 ft.

DAVES MARINA CHEVRON
6301 WESTMINSTER AVE
LONG BEACH, CA 90802

Site 3 of 4 in cluster I

RCRA-SQG **1000221225**
CA LUST **CAD981657109**
FINDS
CA HAZNET
CA HIST CORTESE
ECHO

RCRA-SQG:
Date form received by agency: 09/25/1986
Facility name: DAVES MARINA CHEVRON
Facility address: 6301 WESTMINSTER AVE
LONG BEACH, CA 90802
EPA ID: CAD981657109
Mailing address: WESTMINSTER AVE
LONG BEACH, CA 90802
Contact: ENVIRONMENTAL MANAGER
Contact address: 6301 WESTMINSTER AVE
LONG BEACH, CA 90802
Contact country: US
Contact telephone: (213) 594-4094
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

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

Owner/operator name: DAVE NEWTON ENT INC
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private

DAVES MARINA CHEVRON (Continued) **1000221225**

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

LUST:
Region: STATE
Global Id: T0603701725
Latitude: 33.7582713
Longitude: -118.1112401
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 01/11/1995
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: YR
Local Agency: LONG BEACH, CITY OF
RB Case Number: 908030098
LOC Case Number: Not reported
File Location: Not reported
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: T0603701725
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

Global Id: T0603701725
Contact Type: Local Agency Caseworker
Contact Name: CARMEN PIRO
Organization Name: LONG BEACH, CITY OF
Address: 2525 GRAND AVE.

DAVES MARINA CHEVRON (Continued) **1000221225**

City: LONG BEACH
Email: carmen.piro@longbeach.gov
Phone Number: 5625704137

Status History:
Global Id: T0603701725
Status: Completed - Case Closed
Status Date: 01/11/1995

Global Id: T0603701725
Status: Open - Case Begin Date
Status Date: 10/16/1987

Global Id: T0603701725
Status: Open - Site Assessment
Status Date: 01/12/1989

Regulatory Activities:
Global Id: T0603701725
Action Type: Other
Date: 10/16/1987
Action: Leak Discovery

Global Id: T0603701725
Action Type: Other
Date: 10/16/1987
Action: Leak Reported

FINDS:

Registry ID: 110002739939

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: 1000221225
Year: 1996
GEPAID: CAD981657109
Contact: Not reported
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 6301 WESTMINSTER AVE
Mailing City,St,Zip: LONG BEACH, CA 908020000
Gen County: Not reported
TSD EPA ID: CAD050099696
TSD County: Not reported
Waste Category: Unspecified aqueous solution

DAVES MARINA CHEVRON (Continued) **1000221225**

Disposal Method: Recycler
Tons: .4170
Cat Decode: Unspecified aqueous solution
Method Decode: Recycler
Facility County: Los Angeles

envid: 1000221225
Year: 1993
GEPAID: CAD981657109
Contact: Not reported
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 6301 WESTMINSTER AVE
Mailing City,St,Zip: LONG BEACH, CA 908020000
Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Unspecified aqueous solution
Disposal Method: Recycler
Tons: 0.20849999999
Cat Decode: Unspecified aqueous solution
Method Decode: Recycler
Facility County: Los Angeles

HIST CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 908030098

ECHO:
Envid: 1000221225
Registry ID: 110002739939
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110002739939

I45 **CHEVRON #9-0016** **CA LUST** **S102427054**
WSW **6301 WESTMINSTER AVE** **N/A**
1/4-1/2 **LONG BEACH, CA 90803**
0.370 mi.
1954 ft. **Site 4 of 4 in cluster I**

Relative:
Lower

Actual:
7 ft.

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 908030098
Status: Case Closed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Containment Barrier
Global ID: T0603701725
W Global ID: Not reported
Staff: UNK
Local Agency: 19060
Cross Street: PCH

CHEVRON #9-0016 (Continued) **S102427054**

Enforcement Type:	Not reported
Date Leak Discovered:	10/16/1987
Date Leak First Reported:	10/16/1987
Date Leak Record Entered:	1/12/1989
Date Confirmation Began:	Not reported
Date Leak Stopped:	Not reported
Date Case Last Changed on Database:	1/11/1995
Date the Case was Closed:	1/11/1995
How Leak Discovered:	Subsurface Monitoring
How Leak Stopped:	Not reported
Cause of Leak:	Not reported
Leak Source:	Not reported
Operator:	Not reported
Water System:	Not reported
Well Name:	Not reported
Approx. Dist To Production Well (ft):	11600.70672425608859934235094 9
Source of Cleanup Funding:	Not reported
Preliminary Site Assessment Workplan Submitted:	Not reported
Preliminary Site Assessment Began:	Not reported
Pollution Characterization Began:	1/12/1989
Remediation Plan Submitted:	Not reported
Remedial Action Underway:	Not reported
Post Remedial Action Monitoring Began:	Not reported
Enforcement Action Date:	Not reported
Historical Max MTBE Date:	Not reported
Hist Max MTBE Conc in Groundwater:	Not reported
Hist Max MTBE Conc in Soil:	Not reported
Significant Interim Remedial Action Taken:	Yes
GW Qualifier:	Not reported
Soil Qualifier:	Not reported
Organization:	Not reported
Owner Contact:	Not reported
Responsible Party:	CHEVRON
RP Address:	PO BOX 2833, LA HABRA 90632-2833
Program:	LUST
Lat/Long:	33.7582713 / -1
Local Agency Staff:	Not reported
Beneficial Use:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Suspended:	Not reported
Assigned Name:	Not reported
Summary:	EXXON STATION ACROSS STREET. WATER SUPPLY PIPELINE DAMAGED.

J46 **EPTC ALAMITOS PARCEL 3-4** **CA ENVIROSTOR** **S105557569**
North **692 NORTH STUDEBAKER ROAD** **CA VCP** **N/A**
1/4-1/2 **LONG BEACH, CA 90803** **CA DEED**
0.405 mi. **CA NPDES**
2139 ft. **Site 1 of 6 in cluster J**

Relative:
Lower

Actual:
7 ft.

ENVIROSTOR:

Facility ID:	19130113
Status:	Certified O&M - Land Use Restrictions Only
Status Date:	05/05/2005
Site Code:	401020
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Cleanup
Acres:	0.75

EPTC ALAMITOS PARCEL 3-4 (Continued) **S105557569**

NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Tedd Yargeau
Supervisor:	Javier Hinojosa
Division Branch:	Cleanup Chatsworth
Assembly:	70
Senate:	34
Special Program:	Voluntary Cleanup Program
Restricted Use:	YES
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	33.77403
Longitude:	-118.1030
APN:	NONE SPECIFIED
Past Use:	MANUFACTURING - PETROLEUM
Potential COC:	TPH-MOTOR OIL
Confirmed COC:	TPH-MOTOR OIL
Potential Description:	OTH, SOIL
Alias Name:	110033616317
Alias Type:	EPA (FRS #)
Alias Name:	401020
Alias Type:	Project Code (Site Code)
Alias Name:	19130113
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Voluntary Cleanup Agreement
Completed Date:	06/28/2002
Comments:	VCA

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	05/05/2005
Comments:	After several conference calls with the site proponent, DTSC approves the Phase II report. The report indicated that the site had been impacted from previous operations at the site however that those levels were compatible with the current industrial land-use.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Other Report
Completed Date:	09/23/2002
Comments:	DTSC completed document reveiw and submitted comments to Coastal Conservancy

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Land Use Restriction
Completed Date:	07/20/2006
Comments:	Not reported

Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported

EPTC ALAMITOS PARCEL 3-4 (Continued) **S105557569**

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

VCP:

Facility ID:	19130113
Site Type:	Voluntary Cleanup
Site Type Detail:	Voluntary Cleanup
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	0.75
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Tedd Yargeau
Supervisor:	Javier Hinojosa
Division Branch:	Cleanup Chatsworth
Site Code:	401020
Assembly:	70
Senate:	34
Special Programs Code:	Voluntary Cleanup Program
Status:	Certified O&M - Land Use Restrictions Only
Status Date:	05/05/2005
Restricted Use:	YES
Funding:	Responsible Party
Lat/Long:	33.77403 / -118.1030
APN:	NONE SPECIFIED
Past Use:	MANUFACTURING - PETROLEUM
Potential COC:	3002502
Confirmed COC:	3002502
Potential Description:	OTH, SOIL
Alias Name:	110033616317
Alias Type:	EPA (FRS #)
Alias Name:	401020
Alias Type:	Project Code (Site Code)
Alias Name:	19130113
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Voluntary Cleanup Agreement
Completed Date:	06/28/2002
Comments:	VCA

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	05/05/2005
Comments:	After several conference calls with the site proponent, DTSC approves the Phase II report. The report indicated that the site had been impacted from previous operations at the site however that those levels were compatible with the current industrial land-use.

EPTC ALAMITOS PARCEL 3-4 (Continued) **S105557569**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/23/2002
Comments: DTSC completed document reveiw and submitted comments to Coastal Conservancy

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 07/20/2006
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

DEED:
Envirostor ID: 19130113
Area: PROJECT WIDE
Sub Area: Not reported
Site Type: VOLUNTARY CLEANUP
Status: CERTIFIED O&M - LAND USE RESTRICTIONS ONLY
Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): 07/20/2006

NPDES:
Npdes Number: CAG674001
Facility Status: Active
Agency Id: 483625
Region: 4
Regulatory Measure Id: 193820
Order No: R4-2009-0068
Regulatory Measure Type: Enrollee
Place Id: 207270
WDID: 4B196300100
Program Type: NPDNONMUNIPRCS
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 03/26/1999
Expiration Date Of Regulatory Measure: 06/04/2014
Termination Date Of Regulatory Measure: Not reported
Discharge Name: Plains West Coast Terminals, LLC
Discharge Address: 5900 Cherry Avenue
Discharge City: Long Beach
Discharge State: CA
Discharge Zip: 90805
RECEIVED DATE: Not reported
PROCESSED DATE: Not reported
STATUS CODE NAME: Not reported

EPTC ALAMITOS PARCEL 3-4 (Continued) **S105557569**

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

J47 **SCE-ALAMITOS** **CA ENVIROSTOR** **S108197049**
North **692 N STUDEBAKER ROAD** **N/A**
1/4-1/2 **LONG BEACH, CA 90815**
0.405 mi.
2139 ft. **Site 2 of 6 in cluster J**

Relative:
Lower

Actual:
7 ft.

ENVIROSTOR:

Facility ID:	80001647
Status:	Active
Status Date:	02/01/1995
Site Code:	530040
Site Type:	Corrective Action
Site Type Detailed:	Corrective Action
Acres:	234
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	WM
Program Manager:	Steven Rounds
Supervisor:	Allan Plaza
Division Branch:	Cleanup Chatsworth
Assembly:	70
Senate:	34
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	33.77373
Longitude:	-118.1032
APN:	NONE SPECIFIED
Past Use:	ABOVE GROUND STORAGE TANKS
Potential COC:	Polychlorinated biphenyls (PCBs Vanadium and compounds
Confirmed COC:	30587-NO 30018-NO
Potential Description:	OTH, SOIL
Alias Name:	SCE Alamitos
Alias Type:	Alternate Name
Alias Name:	Studebaker LLC
Alias Type:	Alternate Name
Alias Name:	CAD009694795
Alias Type:	EPA Identification Number
Alias Name:	110000522113
Alias Type:	EPA (FRS #)
Alias Name:	400446
Alias Type:	Project Code (Site Code)
Alias Name:	530040
Alias Type:	Project Code (Site Code)
Alias Name:	80001647
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	AES Generating Station (former SCE)
Completed Sub Area Name:	Surface Impoundments
Completed Document Type:	Consent Decree
Completed Date:	02/01/1995
Comments:	Not reported
Completed Area Name:	Sites With No Operable Unit
Completed Sub Area Name:	Studebaker Property - former aboveground storage tank area
Completed Document Type:	Consent Agreement
Completed Date:	06/30/2006
Comments:	signed

SCE-ALAMITOS (Continued) **S108197049**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Judicial Order
Completed Date: 02/06/1995
Comments: Order signed and recorded.

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: Studebaker Property - former aboveground storage tank area
Completed Document Type: Consent Agreement
Completed Date: 02/18/2014
Comments: This project is now Loynes Beach Partners LLC. Site code 530078.

Completed Area Name: AES Generating Station (former SCE)
Completed Sub Area Name: Surface Impoundments
Completed Document Type: Monitoring Report
Completed Date: 03/29/2010
Comments: Document received, no comments

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: Studebaker Property - former aboveground storage tank area
Completed Document Type: RFI Workplan
Completed Date: 08/28/2007
Comments: approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/15/2011
Comments: DTSC internal review, no letter issued

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/10/2012
Comments: DTSC e-mail to facility

Completed Area Name: AES Generating Station (former SCE)
Completed Sub Area Name: Surface Impoundments
Completed Document Type: RFI Workplan
Completed Date: 01/31/2012
Comments: Approved by DTSC

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 06/30/2013
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/07/2013
Comments: Comments sent to facility.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork

SCE-ALAMITOS (Continued) **S108197049**

Completed Date:	06/30/2014
Comments:	Completed
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Sites With No Operable Unit
Schedule Sub Area Name:	Studebaker Property - former aboveground storage tank area
Schedule Document Type:	RFI Report
Schedule Due Date:	12/30/2015
Schedule Revised Date:	Not reported
Schedule Area Name:	AES Generating Station (former SCE)
Schedule Sub Area Name:	Surface Impoundments
Schedule Document Type:	RFI Workplan
Schedule Due Date:	09/30/2015
Schedule Revised Date:	Not reported

J48 **ALAMITOS STATION** **CA HAZNET** **S113128106**
North **692 N STUDEBAKER RD** **CA HWP** **N/A**
1/4-1/2 **LONG BEACH, CA 90803**
0.405 mi.
2139 ft. **Site 3 of 6 in cluster J**

Relative:
Lower

Actual:
7 ft.

HAZNET:

envid:	S113128106
Year:	2014
GEPAID:	CAL000274189
Contact:	BILL SENNER
Telephone:	5627282056
Mailing Name:	Not reported
Mailing Address:	5900 CHERRY AVE
Mailing City,St,Zip:	LONG BEACH, CA 908054454
Gen County:	Los Angeles
TSD EPA ID:	CAD980675276
TSD County:	Kern
Waste Category:	Asbestos containing waste
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	2.25
Cat Decode:	Asbestos containing waste
Method Decode:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Facility County:	Los Angeles
envid:	S113128106
Year:	2014
GEPAID:	CAL000274189
Contact:	BILL SENNER
Telephone:	5627282056
Mailing Name:	Not reported
Mailing Address:	5900 CHERRY AVE
Mailing City,St,Zip:	LONG BEACH, CA 908054454
Gen County:	Los Angeles
TSD EPA ID:	CAT080013382
TSD County:	Not reported
Waste Category:	Unspecified oil-containing waste
Disposal Method:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration,

ALAMITOS STATION (Continued) **S113128106**

	Organics Recovery Ect
Tons:	19.182
Cat Decode:	Unspecified oil-containing waste
Method Decode:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Facility County:	Los Angeles

envid:	S113128106
Year:	2014
GEPAID:	CAL000274189
Contact:	BILL SENNER
Telephone:	5627282056
Mailing Name:	Not reported
Mailing Address:	5900 CHERRY AVE
Mailing City,St,Zip:	LONG BEACH, CA 908054454
Gen County:	Los Angeles
TSD EPA ID:	CAT080013352
TSD County:	Los Angeles
Waste Category:	Unspecified oil-containing waste
Disposal Method:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	291.066
Cat Decode:	Unspecified oil-containing waste
Method Decode:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Facility County:	Los Angeles

envid:	S113128106
Year:	2014
GEPAID:	CAL000274189
Contact:	BILL SENNER
Telephone:	5627282056
Mailing Name:	Not reported
Mailing Address:	5900 CHERRY AVE
Mailing City,St,Zip:	LONG BEACH, CA 908054454
Gen County:	Los Angeles
TSD EPA ID:	CAD980675276
TSD County:	Kern
Waste Category:	Other organic solids
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	2.1
Cat Decode:	Other organic solids
Method Decode:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Facility County:	Los Angeles

envid:	S113128106
Year:	2013
GEPAID:	CAL000274189
Contact:	BILL SENNER
Telephone:	5627282056
Mailing Name:	Not reported
Mailing Address:	5900 CHERRY AVE
Mailing City,St,Zip:	LONG BEACH, CA 908054454
Gen County:	Los Angeles
TSD EPA ID:	CAD044429835

ALAMITOS STATION (Continued) **S113128106**

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: 0.2
Cat Decode: Not reported
Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County: Not reported

Click this hyperlink while viewing on your computer to access
69 additional CA_HAZNET: record(s) in the EDR Site Report.

HWP:
EPA Id: CAD009694795
Cleanup Status: UNKNOWN
Latitude: 33.77373
Longitude: -118.1032
Facility Type: Historical - Non-Operating
Facility Size: Not reported
Team: Not reported
Supervisor: Not reported
Site Code: 530040, 400446
Assembly District: 70
Senate District: 34
Public Information Officer: Not reported

Alias:
EPA Id: CAD009694795
Facility Type: Historical - Non-Operating
Alias Type: Project Code (Site Code)
Alias: 530040

EPA Id: CAD009694795
Facility Type: Historical - Non-Operating
Alias Type: Alternate Name
Alias: SCE Alamitos

EPA Id: CAD009694795
Facility Type: Historical - Non-Operating
Alias Type: Alternate Name
Alias: Studebaker LLC

EPA Id: CAD009694795
Facility Type: Historical - Non-Operating
Alias Type: Project Code (Site Code)
Alias: 400446

J49 North 1/4-1/2 0.410 mi. 2165 ft. | **CITY DUMP AND SALVAGE** | **CA SWF/LF** | **S111075832**
LOYNES DRIVE AND NORTH STUDEBAKER ROAD | **N/A**
LONG BEACH, CA

Site 4 of 6 in cluster J

Relative: Lower

Actual: 7 ft.

LOS ANGELES CO. LF:

Site ID:	2236
Alt. Address:	SW corner of Loynes Drive and North Studebaker Road, Long Beach, CA
Site Contact:	Not reported
Site Contact Phone:	Not reported
Site Email:	Not reported
Site Website:	Not reported
Site Type:	Unknown
Site SWIS Number:	Not reported
Beginning Operation Date:	Not reported
Ending Operation Date:	Not reported
Local Enforcement Agency:	Not reported
Maximun Depth Fill(Ft):	Not reported
Permitted Capacity:	Not reported
Present Use:	Wetland Restoration
Remaining Capacity(Million):	Not reported
Status:	Closed
Waste Accepted:	Not reported
Hours of Operation:	Not reported
Disposal Area (Acre):	Not reported

Detail As Of 01/2014:

Operator Name:	Unknown
Operator Address:	Not reported
Operator City/State/Zip:	Not reported
Operator Contact:	Not reported
Operator Telephone:	Not reported
Operator Email:	Not reported
Owner Name:	Unknown
Owner Address:	Not reported
Owner City/State/Zip:	Not reported
Owner Contact:	Not reported
Owner Telephone:	Not reported
Owner Email:	Not reported

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50 WSW 1/4-1/2 0.415 mi. 2193 ft. | **ALAMITOS BAY MAINT YD (2 D/W JOOR)** | **CA LUST** | **U003659808**
6204 E 02ND ST | **CA UST** | **N/A**
LONG BEACH, CA | **CA HIST CORTESE**

Relative: Higher

Actual: 14 ft.

LUST:

Region:	STATE
Global Id:	T0603701726
Latitude:	33.7569123
Longitude:	-118.1151082
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	11/25/1997
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Worker:	DK
Local Agency:	LONG BEACH, CITY OF
RB Case Number:	908030116
LOC Case Number:	Not reported

ALAMITOS BAY MAINT YD (2 D/W JOOR) (Continued) **U003659808**

File Location:	Not reported
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:	T0603701726
Contact Type:	Regional Board Caseworker
Contact Name:	DAVID KOO
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	Not reported
City:	R4 UNKNOWN
Email:	dkoo@waterboards.ca.gov
Phone Number:	Not reported

Global Id:	T0603701726
Contact Type:	Local Agency Caseworker
Contact Name:	CARMEN PIRO
Organization Name:	LONG BEACH, CITY OF
Address:	2525 GRAND AVE.
City:	LONG BEACH
Email:	carmen.piro@longbeach.gov
Phone Number:	5625704137

Status History:

Global Id:	T0603701726
Status:	Completed - Case Closed
Status Date:	11/25/1997

Global Id:	T0603701726
Status:	Open - Case Begin Date
Status Date:	08/31/1987

Global Id:	T0603701726
Status:	Open - Site Assessment
Status Date:	11/04/1996

Global Id:	T0603701726
Status:	Open - Site Assessment
Status Date:	07/29/1997

Regulatory Activities:

Global Id:	T0603701726
Action Type:	Other
Date:	08/31/1987
Action:	Leak Discovery

Global Id:	T0603701726
Action Type:	Other
Date:	09/04/1987
Action:	Leak Reported

LUST REG 4:

ALAMITOS BAY MAINT YD (2 D/W JOOR) (Continued) **U003659808**

Region:	4
Regional Board:	04
County:	Los Angeles
Facility Id:	908030116
Status:	Case Closed
Substance:	Gasoline
Substance Quantity:	Not reported
Local Case No:	Not reported
Case Type:	Groundwater
Abatement Method Used at the Site:	Not reported
Global ID:	T0603701726
W Global ID:	Not reported
Staff:	DK
Local Agency:	19060
Cross Street:	J.H. DAVIES
Enforcement Type:	Not reported
Date Leak Discovered:	8/31/1987
Date Leak First Reported:	9/4/1987
Date Leak Record Entered:	10/14/1987
Date Confirmation Began:	Not reported
Date Leak Stopped:	Not reported
Date Case Last Changed on Database:	3/5/1998
Date the Case was Closed:	11/25/1997
How Leak Discovered:	Subsurface Monitoring
How Leak Stopped:	Not reported
Cause of Leak:	UNK
Leak Source:	UNK
Operator:	CHUCK RAMSEY
Water System:	Not reported
Well Name:	Not reported
Approx. Dist To Production Well (ft):	12684.001054864396870943873508
Source of Cleanup Funding:	UNK
Preliminary Site Assessment Workplan Submitted:	11/4/1996
Preliminary Site Assessment Began:	Not reported
Pollution Characterization Began:	7/29/1997
Remediation Plan Submitted:	Not reported
Remedial Action Underway:	Not reported
Post Remedial Action Monitoring Began:	Not reported
Enforcement Action Date:	Not reported
Historical Max MTBE Date:	1/1/1965
Hist Max MTBE Conc in Groundwater:	75
Hist Max MTBE Conc in Soil:	Not reported
Significant Interim Remedial Action Taken:	Not reported
GW Qualifier:	Not reported
Soil Qualifier:	Not reported
Organization:	Not reported
Owner Contact:	Not reported
Responsible Party:	CITY OF LB FLEET SERVICES BURE
RP Address:	2801 E. WILLOW ST., LONG BEACH, CA 90806
Program:	LUST
Lat/Long:	33.7569123 / -1
Local Agency Staff:	Not reported
Beneficial Use:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Suspended:	Not reported
Assigned Name:	Not reported

ALAMITOS BAY MAINT YD (2 D/W JOOR) (Continued) **U003659808**

Summary: 10/30/96 - WORKPLAN FOR THE PHASE 11 WELL INSTALLATION & GW SAMPLING 11/04/97 - 03/05/98 - GW MON WELL ABANDONMENT

LONG BEACH UST:

DATA AS OF 02/25/2014:

Region:	LONG BEACH
Tanks:	2T
Tank Test:	Dual Walled
Leak Test:	Not reported
Tank Status:	Not reported

HIST CORTESE:

Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	908030116

J51 **STUDEBAKER - LOYNES DISPOSAL S** **CA WMUDS/SWAT** **S103441607**
North **LOYNES DR. & STUDEBAKER RD** **N/A**
1/4-1/2 **LONG BEACH, CA 90806**
0.416 mi.
2197 ft. **Site 5 of 6 in cluster J**

Relative:
Lower

Actual:
7 ft.

WMUDS/SWAT:

Edit Date:	Not reported
Complexity:	Not reported
Primary Waste:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Base Meridian:	Not reported
NPID:	Not reported
Tonnage:	0
Regional Board ID:	Not reported
Municipal Solid Waste:	False
Superorder:	False
Open To Public:	False
Waste List:	False
Agency Type:	Not reported
Agency Name:	BIXBY RANCH COMPANY
Agency Department:	Not reported
Agency Address:	911 STUDEBAKER RD.
Agency City,St,Zip:	LONG BEACH 90806
Agency Contact:	Not reported
Agency Telephone:	2134931475
Land Owner Name:	BIXBY RANCH COMPANY
Land Owner Address:	911 STUDEBAKER RD.
Land Owner City,St,Zip:	LONG BEACH, CA 90806
Land Owner Contact:	Not reported
Land Owner Phone:	2134931475
Region:	4
Facility Type:	Not reported
Facility Description:	Not reported
Facility Telephone:	Not reported
SWAT Facility Name:	STUDEBAKER - LOYNES DISPOSAL SITE

STUDEBAKER - LOYNES DISPOSAL S (Continued) **S103441607**

Primary SIC:	Not reported
Secondary SIC:	Not reported
Comments:	Not reported
Last Facility Editors:	Not reported
Waste Discharge System:	False
Solid Waste Assessment Test Program:	True
Toxic Pits Cleanup Act Program:	False
Resource Conservation Recovery Act:	False
Department of Defence:	False
Solid Waste Assessment Test Program:	BIXBY RANCH COMPANY
Threat to Water Quality:	Not reported
Sub Chapter 15:	False
Regional Board Project Officer:	LT
Number of WMUDS at Facility:	1
Section Range:	Not reported
RCRA Facility:	Not reported
Waste Discharge Requirements:	Not reported
Self-Monitoring Rept. Frequency:	Not reported
Waste Discharge System ID:	4 190398NUR
Solid Waste Information ID:	19-AK-0002

J52 **STUDEBAKER-CERRITOS CHANNEL** **CA WMUDS/SWAT** **S103441602**
North **SW OF STUDEBAKER & LOYNES** **N/A**
1/4-1/2 **LONG BEACH, CA**
0.416 mi.
2197 ft. **Site 6 of 6 in cluster J**

Relative:
Lower

Actual:
7 ft.

WMUDS/SWAT:

Edit Date:	Not reported
Complexity:	Not reported
Primary Waste:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Base Meridian:	Not reported
NPID:	Not reported
Tonnage:	0
Regional Board ID:	Not reported
Municipal Solid Waste:	False
Superorder:	False
Open To Public:	False
Waste List:	False
Agency Type:	Not reported
Agency Name:	Not reported
Agency Department:	Not reported
Agency Address:	Not reported
Agency City,St,Zip:	Not reported
Agency Contact:	Not reported
Agency Telephone:	Not reported
Land Owner Name:	Not reported
Land Owner Address:	Not reported
Land Owner City,St,Zip:	CA
Land Owner Contact:	Not reported
Land Owner Phone:	Not reported
Region:	4
Facility Type:	Not reported
Facility Description:	Not reported
Facility Telephone:	Not reported

STUDEBAKER-CERRITOS CHANNEL (Continued) **S103441602**

SWAT Facility Name:	Not reported
Primary SIC:	Not reported
Secondary SIC:	Not reported
Comments:	Not reported
Last Facility Editors:	Not reported
Waste Discharge System:	False
Solid Waste Assessment Test Program:	True
Toxic Pits Cleanup Act Program:	False
Resource Conservation Recovery Act:	False
Department of Defence:	False
Solid Waste Assessment Test Program:	Not reported
Threat to Water Quality:	Not reported
Sub Chapter 15:	False
Regional Board Project Officer:	LT
Number of WMUDS at Facility:	1
Section Range:	Not reported
RCRA Facility:	Not reported
Waste Discharge Requirements:	Not reported
Self-Monitoring Rept. Frequency:	Not reported
Waste Discharge System ID:	4 190393NUR
Solid Waste Information ID:	Not reported

K53 **ARCO #5084** **CA HIST CORTESE** **S104752728**
South **490** **N/A**
1/4-1/2 **SEAL BEACH, CA 90740**
0.418 mi.
2207 ft. **Site 1 of 2 in cluster K**

Relative:
Lower

Actual:
11 ft.

HIST CORTESE:

Region:	CORTESE
Facility County Code:	30
Reg By:	LTNKA
Reg Id:	083000462T

Region:	CORTESE
Facility County Code:	30
Reg By:	LTNKA
Reg Id:	083000583T

K54 **ARCO #6066** **CA LUST** **U003432760**
South **490 PACIFIC COAST HWY** **CA CHMIRS** **N/A**
1/4-1/2 **SEAL BEACH, CA 90740** **CA Orange Co. Industrial Site**
0.423 mi.
2235 ft. **Site 2 of 2 in cluster K**

Relative:
Lower

Actual:
11 ft.

LUST:

Region:	STATE
Global Id:	T0605900372
Latitude:	33.746609502603
Longitude:	-118.105752468109
Case Type:	LUST Cleanup Site
Status:	Open - Remediation
Status Date:	03/26/2013
Lead Agency:	ORANGE COUNTY LOP
Case Worker:	KL
Local Agency:	ORANGE COUNTY LOP

ARCO #6066 (Continued) **U003432760**

RB Case Number:	083000462T
LOC Case Number:	86UT206
File Location:	Local Agency
Potential Media Affect:	Aquifer used for drinking water supply, Indoor Air, Other Groundwater (uses other than drinking water), Soil Vapor, Under Investigation
Potential Contaminants of Concern:	Gasoline
Site History:	Please refer to recent Site Documents or Monitoring Reports in GeoTracker for site history. Orange County is not responsible for the accuracy of any professional interpretations provided in reports submitted by consultants for the responsible party.

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

Contact:

Global Id:	T0605900372
Contact Type:	Local Agency Caseworker
Contact Name:	KEVIN LAMBERT
Organization Name:	ORANGE COUNTY LOP
Address:	1241 E DYER ROAD SUITE 120
City:	SANTA ANA
Email:	klambert@ochca.com
Phone Number:	7144336261

Global Id:	T0605900372
Contact Type:	Regional Board Caseworker
Contact Name:	VALERIE JAHN-BULL
Organization Name:	SANTA ANA RWQCB (REGION 8)
Address:	3737 MAIN STREET, SUITE 500
City:	RIVERSIDE
Email:	vjahn-bull@waterboards.ca.gov
Phone Number:	9517824903

Status History:

Global Id:	T0605900372
Status:	Open - Case Begin Date
Status Date:	11/14/1986

Global Id:	T0605900372
Status:	Open - Remediation
Status Date:	06/01/2000

Global Id:	T0605900372
Status:	Open - Remediation
Status Date:	09/03/2002

Global Id:	T0605900372
Status:	Open - Remediation
Status Date:	03/26/2013

Global Id:	T0605900372
Status:	Open - Site Assessment
Status Date:	11/14/1986

Global Id:	T0605900372
Status:	Open - Site Assessment
Status Date:	01/14/1987

ARCO #6066 (Continued) **U003432760**

Global Id: T0605900372
Status: Open - Site Assessment
Status Date: 03/11/1987

Global Id: T0605900372
Status: Open - Site Assessment
Status Date: 01/26/1999

Regulatory Activities:

Global Id: T0605900372
Action Type: ENFORCEMENT
Date: 07/21/2008
Action: Staff Letter

Global Id: T0605900372
Action Type: ENFORCEMENT
Date: 11/06/2008
Action: Staff Letter

Global Id: T0605900372
Action Type: ENFORCEMENT
Date: 04/06/2015
Action: Staff Letter

Global Id: T0605900372
Action Type: ENFORCEMENT
Date: 10/06/2015
Action: Letter - Notice

Global Id: T0605900372
Action Type: ENFORCEMENT
Date: 11/12/2009
Action: Staff Letter

Global Id: T0605900372
Action Type: REMEDIATION
Date: 04/01/2004
Action: Excavation

Global Id: T0605900372
Action Type: ENFORCEMENT
Date: 12/05/2012
Action: Staff Letter

Global Id: T0605900372
Action Type: ENFORCEMENT
Date: 06/03/2014
Action: Technical Correspondence / Assistance / Other

Global Id: T0605900372
Action Type: ENFORCEMENT
Date: 11/25/2014
Action: Notification - Public Participation Document

Global Id: T0605900372
Action Type: ENFORCEMENT
Date: 01/08/2015

ARCO #6066 (Continued) **U003432760**

Action: Staff Letter

Global Id: T0605900372
Action Type: ENFORCEMENT
Date: 06/18/2015
Action: Staff Letter

Global Id: T0605900372
Action Type: ENFORCEMENT
Date: 12/22/2009
Action: Notice of Reimbursement

Global Id: T0605900372
Action Type: ENFORCEMENT
Date: 03/11/2011
Action: Staff Letter

Global Id: T0605900372
Action Type: ENFORCEMENT
Date: 09/06/2012
Action: Notification - Public Participation Document

Global Id: T0605900372
Action Type: ENFORCEMENT
Date: 08/15/2012
Action: Staff Letter

Global Id: T0605900372
Action Type: ENFORCEMENT
Date: 01/08/2015
Action: Staff Letter

Global Id: T0605900372
Action Type: ENFORCEMENT
Date: 04/15/2015
Action: Staff Letter

Global Id: T0605900372
Action Type: ENFORCEMENT
Date: 01/28/2004
Action: Staff Letter

Global Id: T0605900372
Action Type: ENFORCEMENT
Date: 06/07/2006
Action: Staff Letter

Global Id: T0605900372
Action Type: ENFORCEMENT
Date: 03/13/2006
Action: Staff Letter

Global Id: T0605900372
Action Type: ENFORCEMENT
Date: 08/11/2004
Action: Staff Letter

ARCO #6066 (Continued) **U003432760**

Global Id: T0605900372
Action Type: ENFORCEMENT
Date: 10/08/2003
Action: Staff Letter

Global Id: T0605900372
Action Type: ENFORCEMENT
Date: 05/10/2004
Action: Staff Letter

Global Id: T0605900372
Action Type: ENFORCEMENT
Date: 05/19/2008
Action: Staff Letter

Global Id: T0605900372
Action Type: ENFORCEMENT
Date: 09/03/2010
Action: Staff Letter

Global Id: T0605900372
Action Type: ENFORCEMENT
Date: 04/28/2011
Action: Staff Letter

Global Id: T0605900372
Action Type: ENFORCEMENT
Date: 07/29/2014
Action: Staff Letter

Global Id: T0605900372
Action Type: ENFORCEMENT
Date: 10/07/2014
Action: Staff Letter

Global Id: T0605900372
Action Type: ENFORCEMENT
Date: 07/16/2010
Action: Staff Letter

Global Id: T0605900372
Action Type: RESPONSE
Date: 12/09/2009
Action: Risk Assessment Report

Global Id: T0605900372
Action Type: ENFORCEMENT
Date: 11/14/1986
Action: Notice of Responsibility

Global Id: T0605900372
Action Type: ENFORCEMENT
Date: 08/13/2003
Action: Staff Letter

Global Id: T0605900372
Action Type: ENFORCEMENT

ARCO #6066 (Continued) **U003432760**

Date: 09/12/2005
Action: Staff Letter

Global Id: T0605900372
Action Type: ENFORCEMENT
Date: 08/12/2011
Action: Notification - Public Participation Document

Global Id: T0605900372
Action Type: ENFORCEMENT
Date: 06/23/2010
Action: Notification - Public Notice of ROD/RAP/CAP

Global Id: T0605900372
Action Type: ENFORCEMENT
Date: 09/27/2011
Action: Notification - Public Participation Document

Global Id: T0605900372
Action Type: ENFORCEMENT
Date: 11/28/2011
Action: Notification - Public Participation Document

Global Id: T0605900372
Action Type: ENFORCEMENT
Date: 12/14/2011
Action: Staff Letter

Global Id: T0605900372
Action Type: ENFORCEMENT
Date: 01/28/2011
Action: Notification - Public Participation Document

Global Id: T0605900372
Action Type: ENFORCEMENT
Date: 08/10/2010
Action: Staff Letter

Global Id: T0605900372
Action Type: ENFORCEMENT
Date: 07/28/2011
Action: Staff Letter

Global Id: T0605900372
Action Type: ENFORCEMENT
Date: 11/30/2009
Action: Staff Letter

Global Id: T0605900372
Action Type: ENFORCEMENT
Date: 12/02/2009
Action: Staff Letter

Global Id: T0605900372
Action Type: ENFORCEMENT
Date: 09/23/2009
Action: Staff Letter

ARCO #6066 (Continued) **U003432760**

Global Id: T0605900372
Action Type: ENFORCEMENT
Date: 11/24/2009
Action: Staff Letter

Global Id: T0605900372
Action Type: ENFORCEMENT
Date: 01/14/2010
Action: Staff Letter

Global Id: T0605900372
Action Type: ENFORCEMENT
Date: 09/21/2010
Action: Staff Letter

Global Id: T0605900372
Action Type: Other
Date: 01/26/1987
Action: Leak Reported

Global Id: T0605900372
Action Type: RESPONSE
Date: 01/03/2013
Action: Soil Vapor Intrusion Investigation Workplan - Regulator Responded

Global Id: T0605900372
Action Type: ENFORCEMENT
Date: 09/24/2015
Action: Staff Letter

Global Id: T0605900372
Action Type: ENFORCEMENT
Date: 11/04/2015
Action: Staff Letter

Global Id: T0605900372
Action Type: ENFORCEMENT
Date: 09/23/2015
Action: Staff Letter

Global Id: T0605900372
Action Type: ENFORCEMENT
Date: 11/18/2015
Action: Staff Letter

Global Id: T0605900372
Action Type: ENFORCEMENT
Date: 11/25/2015
Action: Email Correspondence

Global Id: T0605900372
Action Type: Other
Date: 01/14/1987
Action: Leak Began

Global Id: T0605900372
Action Type: ENFORCEMENT

ARCO #6066 (Continued) **U003432760**

Date: 05/24/2010
Action: Staff Letter

Global Id: T0605900372
Action Type: ENFORCEMENT
Date: 05/12/2010
Action: Staff Letter

Global Id: T0605900372
Action Type: ENFORCEMENT
Date: 05/28/2010
Action: Staff Letter

Global Id: T0605900372
Action Type: ENFORCEMENT
Date: 04/19/2010
Action: Staff Letter

Global Id: T0605900372
Action Type: ENFORCEMENT
Date: 10/09/2014
Action: Staff Letter

Global Id: T0605900372
Action Type: ENFORCEMENT
Date: 07/16/2009
Action: Staff Letter

Global Id: T0605900372
Action Type: ENFORCEMENT
Date: 03/19/2015
Action: Staff Letter

Global Id: T0605900372
Action Type: ENFORCEMENT
Date: 06/06/2013
Action: Staff Letter

Global Id: T0605900372
Action Type: RESPONSE
Date: 02/13/2014
Action: Soil and Water Investigation Workplan - Addendum - Regulator Responded

Global Id: T0605900372
Action Type: RESPONSE
Date: 11/24/2014
Action: Other Workplan - Regulator Responded

Global Id: T0605900372
Action Type: RESPONSE
Date: 07/02/2014
Action: Well Destruction Workplan - Regulator Responded

Global Id: T0605900372
Action Type: RESPONSE
Date: 05/12/2015
Action: Soil Vapor Intrusion Investigation Workplan - Regulator Responded

ARCO #6066 (Continued) **U003432760**

Global Id: T0605900372
Action Type: RESPONSE
Date: 06/03/2015
Action: Other Workplan - Regulator Responded

Global Id: T0605900372
Action Type: RESPONSE
Date: 05/12/2015
Action: Other Workplan - Regulator Responded

Global Id: T0605900372
Action Type: ENFORCEMENT
Date: 05/11/2010
Action: Staff Letter

Global Id: T0605900372
Action Type: ENFORCEMENT
Date: 05/07/2012
Action: Staff Letter

Global Id: T0605900372
Action Type: ENFORCEMENT
Date: 04/14/2015
Action: Staff Letter

Global Id: T0605900372
Action Type: ENFORCEMENT
Date: 01/11/2013
Action: Staff Letter

Global Id: T0605900372
Action Type: ENFORCEMENT
Date: 01/08/2010
Action: Staff Letter

Global Id: T0605900372
Action Type: ENFORCEMENT
Date: 11/30/2009
Action: Staff Letter

Global Id: T0605900372
Action Type: ENFORCEMENT
Date: 12/09/2009
Action: Staff Letter

Global Id: T0605900372
Action Type: ENFORCEMENT
Date: 01/12/2010
Action: Staff Letter

Global Id: T0605900372
Action Type: ENFORCEMENT
Date: 04/06/2010
Action: Staff Letter

Global Id: T0605900372
Action Type: ENFORCEMENT

ARCO #6066 (Continued) **U003432760**

Date: 02/08/2010
Action: Staff Letter

Global Id: T0605900372
Action Type: ENFORCEMENT
Date: 02/26/2010
Action: Staff Letter

Global Id: T0605900372
Action Type: RESPONSE
Date: 10/22/2014
Action: Soil Vapor Intrusion Investigation Workplan - Regulator Responded

Global Id: T0605900372
Action Type: RESPONSE
Date: 10/28/2015
Action: Well Installation Workplan - Regulator Responded

Global Id: T0605900372
Action Type: RESPONSE
Date: 11/20/2015
Action: Other Workplan - Regulator Responded

Global Id: T0605900372
Action Type: ENFORCEMENT
Date: 11/15/2012
Action: Staff Letter

Global Id: T0605900372
Action Type: ENFORCEMENT
Date: 07/30/2013
Action: Notice of Responsibility

Global Id: T0605900372
Action Type: ENFORCEMENT
Date: 08/31/2010
Action: Staff Letter

Global Id: T0605900372
Action Type: ENFORCEMENT
Date: 07/20/2011
Action: Notification - Public Participation Document

Global Id: T0605900372
Action Type: REMEDIATION
Date: 07/31/2000
Action: In Situ Physical/Chemical Treatment (other than SVE)

Global Id: T0605900372
Action Type: REMEDIATION
Date: 12/16/1986
Action: Excavation

Global Id: T0605900372
Action Type: REMEDIATION
Date: 07/13/2006
Action: Soil Vapor Extraction (SVE)

ARCO #6066 (Continued) **U003432760**

Global Id: T0605900372
Action Type: REMEDIATION
Date: 09/03/2002
Action: In Situ Physical/Chemical Treatment (other than SVE)

Global Id: T0605900372
Action Type: REMEDIATION
Date: 08/14/2003
Action: In Situ Physical/Chemical Treatment (other than SVE)

Global Id: T0605900372
Action Type: REMEDIATION
Date: 08/14/2003
Action: Soil Vapor Extraction (SVE)

Global Id: T0605900372
Action Type: REMEDIATION
Date: 01/14/1987
Action: Excavation

Global Id: T0605900372
Action Type: Other
Date: 01/14/1987
Action: Leak Discovery

Global Id: T0605900372
Action Type: ENFORCEMENT
Date: 09/22/2010
Action: Staff Letter

Global Id: T0605900372
Action Type: ENFORCEMENT
Date: 03/07/2012
Action: Staff Letter

Global Id: T0605900372
Action Type: ENFORCEMENT
Date: 07/02/2009
Action: Staff Letter

Global Id: T0605900372
Action Type: ENFORCEMENT
Date: 02/11/2011
Action: Technical Correspondence / Assistance / Other

Global Id: T0605900372
Action Type: ENFORCEMENT
Date: 04/15/2010
Action: Staff Letter

Global Id: T0605900372
Action Type: ENFORCEMENT
Date: 08/10/2010
Action: Staff Letter

Global Id: T0605900372
Action Type: ENFORCEMENT

ARCO #6066 (Continued) **U003432760**

Date: 07/12/2010
Action: Notification - Public Participation Document

Global Id: T0605900372
Action Type: ENFORCEMENT
Date: 03/23/2011
Action: Staff Letter

Global Id: T0605900372
Action Type: ENFORCEMENT
Date: 02/23/2010
Action: Notification - Public Notice of ROD/RAP/CAP

Global Id: T0605900372
Action Type: ENFORCEMENT
Date: 02/08/2010
Action: Staff Letter

Global Id: T0605900372
Action Type: ENFORCEMENT
Date: 04/06/2010
Action: Staff Letter

Global Id: T0605900372
Action Type: ENFORCEMENT
Date: 11/17/2010
Action: Staff Letter

Global Id: T0605900372
Action Type: ENFORCEMENT
Date: 03/12/2010
Action: Notification - Public Participation Document

Global Id: T0605900372
Action Type: ENFORCEMENT
Date: 05/13/2010
Action: Staff Letter

Global Id: T0605900372
Action Type: REMEDIATION
Date: 07/09/2009
Action: Soil Vapor Extraction (SVE)

ORANGE CO. LUST:
Region: ORANGE
Facility Id: 86UT206
Current Status: Remedial Action
Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Date Closed: Not reported
Case Type: Other Ground Water
Record ID: RO0000940

LUST REG 8:
Region: 8
County: Orange

ARCO #6066 (Continued) **U003432760**

Regional Board:	Santa Ana Region
Facility Status:	Remediation Plan
Case Number:	083000462T
Local Case Num:	86UT206
Case Type:	Other ground water affected
Substance:	Gasoline
Qty Leaked:	0
Abate Method:	Not reported
Cross Street:	Not reported
Enf Type:	SEL
Funding:	Not reported
How Discovered:	Tank Closure
How Stopped:	Close Tank
Leak Cause:	Unknown
Leak Source:	Tank
Global ID:	T0605900372
How Stopped Date:	9/9/9999
Enter Date:	Not reported
Date Confirmation of Leak Began:	11/14/1986
Date Preliminary Assessment Began:	3/11/1987
Discover Date:	1/14/1987
Enforcement Date:	Not reported
Close Date:	Not reported
Date Prelim Assessment Workplan Submitted:	1/14/1987
Date Pollution Characterization Began:	1/26/1999
Date Remediation Plan Submitted:	6/1/2000
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	Not reported
GW Qualifies:	=
Soil Qualifies:	=
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.7462035
Longitude:	-118.1054127
MTBE Date:	12/14/2001
Max MTBE GW:	70000
MTBE Concentration:	0
Max MTBE Soil:	12000
MTBE Fuel:	1
MTBE Tested:	MTBE Detected. Site tested for MTBE & MTBE detected
MTBE Class:	*
Staff:	VJJ
Staff Initials:	SS
Lead Agency:	Local Agency
Local Agency:	30000L
Hydr Basin #:	Not reported
Beneficial:	MAR
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported

Summary: Not reported

CHMIRS:

OES Incident Number:	12-4285

ARCO #6066 (Continued) **U003432760**

OES notification:	07/23/2012
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	Storm Drain - Leading to Ocean at Seal Beach
Spill Site:	Other
Cleanup By:	None
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	1200
Year:	2012
Agency:	Stantec Consulting
Incident Date:	7/22/2012
Admin Agency:	Orange County Emergency Management Division
Amount:	Not reported
Contained:	Yes
Site Type:	Storm Drain - Leading to Ocean at Seal Beach
E Date:	Not reported
Substance:	Treated Ground Water
Quantity Released:	10,000
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported

ARCO #6066 (Continued) **U003432760**

#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Per RP, a system upset (broken pipe) was the cause of the release. The release has been stopped.

Orange Co. Industrial Site:

Case ID:	92IC025
Region:	ORANGE
Record ID:	RO0000371
Current Status:	CLOSED 3/3/1994
Closure Type:	Closure certification issued
Released Chemical:	ORGANIC COMPOUNDS

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55 West 1/4-1/2 0.456 mi. 2407 ft. **CITY DUMP & SALVAGE NO. 1**
6363 PACIFIC COAST HIGHWAY
LONG BEACH, CA

CA WMUDS/SWAT **S104156310**
N/A

Relative: Lower

Actual: 7 ft.

WMUDS/SWAT:

Edit Date:	19950126
Complexity:	Not reported
Primary Waste:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Base Meridian:	Not reported
NPID:	Not reported
Tonnage:	0
Regional Board ID:	56-110
Municipal Solid Waste:	False
Superorder:	False
Open To Public:	False
Waste List:	False
Agency Type:	Not reported
Agency Name:	CITY DUMP AND SALVAGE
Agency Department:	Not reported
Agency Address:	411 FLINT AVENUE
Agency City,St,Zip:	LONG BEACH
Agency Contact:	Not reported
Agency Telephone:	Not reported
Land Owner Name:	BIXBY RANCH COMPANY
Land Owner Address:	523 WEST 6TH STREET
Land Owner City,St,Zip:	LOS ANGELES, CA 90014
Land Owner Contact:	Not reported
Land Owner Phone:	Not reported
Region:	4
Facility Type:	Not reported
Facility Description:	Not reported
Facility Telephone:	Not reported
SWAT Facility Name:	Not reported

CITY DUMP & SALVAGE NO. 1 (Continued) **S104156310**

Primary SIC:	Not reported
Secondary SIC:	Not reported
Comments:	Not reported
Last Facility Editors:	JHMJHMJHM
Waste Discharge System:	False
Solid Waste Assessment Test Program:	True
Toxic Pits Cleanup Act Program:	False
Resource Conservation Recovery Act:	False
Department of Defence:	False
Solid Waste Assessment Test Program:	CITY DUMP AND SALVAGE
Threat to Water Quality:	Not reported
Sub Chapter 15:	False
Regional Board Project Officer:	B_P
Number of WMUDS at Facility:	1
Section Range:	Not reported
RCRA Facility:	Not reported
Waste Discharge Requirements:	Not reported
Self-Monitoring Rept. Frequency:	Not reported
Waste Discharge System ID:	4 190025NUR
Solid Waste Information ID:	Not reported

56
NNW
1/4-1/2
0.465 mi.
2454 ft.

CITY DUMP & SALVAGE #4 **CA SWF/LF** **S102360867**
STUDEBAKER RD. S OF LOS CERRITOS CHANNEL **CA WMUDS/SWAT** **N/A**
LONG BEACH, CA

Relative:
Higher

Actual:
15 ft.

SWF/LF (SWIS):

Region:	STATE
Facility ID:	19-AK-5004
Lat/Long:	33.7650000 / -118.10359
Owner Name:	Bixby Ranch Co
Owner Telephone:	3104931475
Owner Address:	Not reported
Owner Address2:	3010 Old Ranch Parkway #100
Owner City,St,Zip:	Seal Beach, CA 90740
Operational Status:	Closed
Operator:	Not reported
Operator Phone:	Not reported
Operator Address:	Not reported
Operator Address2:	Not reported
Operator City,St,Zip:	Not reported
Permit Date:	Not reported
Permit Status:	Not reported
Permitted Acreage:	0
Activity:	Solid Waste Disposal Site
Regulation Status:	Unpermitted
Landuse Name:	Not reported
GIS Source:	Map
Category:	Disposal
Unit Number:	01
Inspection Frequency:	Quarterly
Accepted Waste:	Not reported
Closure Date:	Not reported
Closure Type:	Not reported
Disposal Acreage:	0
SWIS Num:	19-AK-5004
Waste Discharge Requirement Num:	Not reported

CITY DUMP & SALVAGE #4 (Continued) **S102360867**

Program Type:	Not reported
Permitted Throughput with Units:	Not reported
Actual Throughput with Units:	Not reported
Permitted Capacity with Units:	Not reported
Remaining Capacity:	Not reported
Remaining Capacity with Units:	Not reported
Lat/Long:	33.7650000 / -118.10359

WMUDS/SWAT:

Edit Date:	Not reported
Complexity:	Not reported
Primary Waste:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Base Meridian:	Not reported
NPID:	Not reported
Tonnage:	0
Regional Board ID:	Not reported
Municipal Solid Waste:	False
Superorder:	False
Open To Public:	False
Waste List:	False
Agency Type:	Not reported
Agency Name:	CITY DUMP AND SALVAGE
Agency Department:	Not reported
Agency Address:	Not reported
Agency City,St,Zip:	Not reported
Agency Contact:	Not reported
Agency Telephone:	Not reported
Land Owner Name:	BIXBY RANCH COMPANY
Land Owner Address:	523 WEST 6TH STREET
Land Owner City,St,Zip:	LOS ANGELES, CA 90014
Land Owner Contact:	Not reported
Land Owner Phone:	Not reported
Region:	4
Facility Type:	Not reported
Facility Description:	Not reported
Facility Telephone:	Not reported
SWAT Facility Name:	Not reported
Primary SIC:	Not reported
Secondary SIC:	Not reported
Comments:	Not reported
Last Facility Editors:	Not reported
Waste Discharge System:	False
Solid Waste Assessment Test Program:	True
Toxic Pits Cleanup Act Program:	False
Resource Conservation Recovery Act:	False
Department of Defence:	False
Solid Waste Assessment Test Program:	CITY DUMP AND SALVAGE
Threat to Water Quality:	Not reported
Sub Chapter 15:	False
Regional Board Project Officer:	LT
Number of WMUDS at Facility:	1
Section Range:	Not reported
RCRA Facility:	Not reported
Waste Discharge Requirements:	Not reported

CITY DUMP & SALVAGE #4 (Continued) **S102360867**

Self-Monitoring Rept. Frequency: Not reported
Waste Discharge System ID: 4 190052NUR
Solid Waste Information ID: Not reported

57
SSW
1/4-1/2
0.468 mi.
2470 ft.

EXXON MOBILE SEPARATION CENTER
101 MARINA DR
SEAL BEACH, CA 90740

CA ENVIROSTOR **S108937382**
CA Orange Co. Industrial Site **N/A**

Relative:
Lower

Actual:
6 ft.

ENVIROSTOR:

Facility ID:	30550002
Status:	Refer: 1248 Local Agency
Status Date:	04/26/2001
Site Code:	Not reported
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	Referred - Not Assigned
Division Branch:	Cleanup Cypress
Assembly:	67
Senate:	Not reported
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not Applicable
Latitude:	0
Longitude:	0
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	UNOCAL STORAGE LEASE PROPERTIES
Alias Type:	Alternate Name
Alias Name:	30550002
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	SB 1248 Notification
Completed Date:	04/28/2001
Comments:	SB 1248 Orange County.
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

EXXON MOBILE SEPARATION CENTER (Continued) **S108937382**

Orange Co. Industrial Site:

Case ID:	01IC012
Region:	ORANGE
Record ID:	RO0000032
Current Status:	OPEN
Closure Type:	Not reported
Released Chemical:	FUEL WASTE; ORGANIC COMPOUNDS

58
WSW
1/4-1/2
0.480 mi.
2533 ft.

INDEL ENGINEERING INC
6400 MARINA DR
LONG BEACH, CA 90803

CA LUST **S104406337**
CA CHMIRS **N/A**
CA EMI
CA HIST CORTESE
CA WDS

Relative:
Lower

Actual:
9 ft.

LUST:

Region:	STATE
Global Id:	T0603701724
Latitude:	33.7562243
Longitude:	-118.1122101
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	09/22/1997
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Worker:	YL
Local Agency:	LONG BEACH, CITY OF
RB Case Number:	908030089
LOC Case Number:	Not reported
File Location:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Other Solvent or Non-Petroleum Hydrocarbon
Site History:	Not reported

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

Contact:

Global Id:	T0603701724
Contact Type:	Local Agency Caseworker
Contact Name:	CARMEN PIRO
Organization Name:	LONG BEACH, CITY OF
Address:	2525 GRAND AVE.
City:	LONG BEACH
Email:	carmen.piro@longbeach.gov
Phone Number:	5625704137

Global Id:	T0603701724
Contact Type:	Regional Board Caseworker
Contact Name:	YI LU
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	Not reported
City:	R4 UNKNOWN
Email:	ylu@waterboards.ca.gov
Phone Number:	Not reported

Status History:

Global Id:	T0603701724
Status:	Completed - Case Closed
Status Date:	09/22/1997

INDEL ENGINEERING INC (Continued) **S104406337**

Global Id:	T0603701724
Status:	Open - Case Begin Date
Status Date:	04/11/1985
Global Id:	T0603701724
Status:	Open - Site Assessment
Status Date:	04/11/1985

Regulatory Activities:

Global Id:	T0603701724
Action Type:	Other
Date:	05/29/1985
Action:	Leak Reported

LUST REG 4:

Region:	4
Regional Board:	04
County:	Los Angeles
Facility Id:	908030089
Status:	Case Closed
Substance:	Hydrocarbons
Substance Quantity:	Not reported
Local Case No:	Not reported
Case Type:	Soil
Abatement Method Used at the Site:	Not reported
Global ID:	T0603701724
W Global ID:	Not reported
Staff:	UNK
Local Agency:	19060
Cross Street:	WESTMINSTER
Enforcement Type:	Not reported
Date Leak Discovered:	Not reported
Date Leak First Reported:	5/29/1985
Date Leak Record Entered:	6/17/1988
Date Confirmation Began:	4/11/1985
Date Leak Stopped:	Not reported
Date Case Last Changed on Database:	6/17/1988
Date the Case was Closed:	9/22/1997
How Leak Discovered:	Not reported
How Leak Stopped:	Not reported
Cause of Leak:	Not reported
Leak Source:	Not reported
Operator:	Not reported
Water System:	Not reported
Well Name:	Not reported
Approx. Dist To Production Well (ft):	12329.915415341574528570801872
Source of Cleanup Funding:	Not reported
Preliminary Site Assessment Workplan Submitted:	4/11/1985
Preliminary Site Assessment Began:	Not reported
Pollution Characterization Began:	4/11/1985
Remediation Plan Submitted:	Not reported
Remedial Action Underway:	Not reported
Post Remedial Action Monitoring Began:	Not reported
Enforcement Action Date:	Not reported
Historical Max MTBE Date:	Not reported

INDEL ENGINEERING INC (Continued) **S104406337**

Hist Max MTBE Conc in Groundwater:	Not reported	
Hist Max MTBE Conc in Soil:	Not reported	
Significant Interim Remedial Action Taken:	Not reported	
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	MARINA SHIPYARD	
RP Address:	6400 MARINA DR., LONG BEACH, CA 90803	
Program:	LUST	
Lat/Long:	33.7562243 / -1	
Local Agency Staff:	Not reported	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	900 GA GASOLINE TANK DRINKINGS WATER WELL WITHIN 2 MILES	NO

CHMIRS:

OES Incident Number:	15-1554
OES notification:	03/18/2015
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	Long Beach Harbor
Spill Site:	Waterways
Cleanup By:	Co. HazMat
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported

INDEL ENGINEERING INC (Continued) **S104406337**

Measure:	Not reported
Other:	Not reported
Type:	PETROLEUM
Measure:	N/A
Other:	Not reported
Date/Time:	648
Year:	2015
Agency:	Long Beach Fire Dept
Incident Date:	03/18/2015
Admin Agency:	Long Beach Fire Department
Amount:	Not reported
Contained:	Unknown
Site Type:	Long Beach Harbor
E Date:	Not reported
Substance:	Diesel Fuel
Quantity Released:	Unknown
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	No
Fatals:	No
Comments:	Not reported
Description:	Caller states a 26 ft power boat was leaking fuel and has sunk causing the release.

EMI:

Year:	1987
County Code:	19
Air Basin:	SC
Facility ID:	23468
Air District Name:	SC
SIC Code:	3731
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	1
Part. Matter 10 Micrometers & Smllr Tons/Yr:	1

Year:	1990
County Code:	19
Air Basin:	SC
Facility ID:	54024

INDEL ENGINEERING INC (Continued) **S104406337**

Air District Name:	SC
SIC Code:	3732
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	1990
County Code:	19
Air Basin:	SC
Facility ID:	23468
Air District Name:	SC
SIC Code:	3732
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	1993
County Code:	19
Air Basin:	SC
Facility ID:	23468
Air District Name:	SC
SIC Code:	3732
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	4
Reactive Organic Gases Tons/Yr:	4
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	1995
County Code:	19
Air Basin:	SC
Facility ID:	23468
Air District Name:	SC
SIC Code:	3732
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	4

INDEL ENGINEERING INC (Continued) **S104406337**

Reactive Organic Gases Tons/Yr:	4
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2002
County Code:	19
Air Basin:	SC
Facility ID:	23468
Air District Name:	SC
SIC Code:	3732
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	1
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2003
County Code:	19
Air Basin:	SC
Facility ID:	23468
Air District Name:	SC
SIC Code:	3732
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	1
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2004
County Code:	19
Air Basin:	SC
Facility ID:	23468
Air District Name:	SC
SIC Code:	3732
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.40894
Reactive Organic Gases Tons/Yr:	2.36
Carbon Monoxide Emissions Tons/Yr:	0.985
NOX - Oxides of Nitrogen Tons/Yr:	0.0255
SOX - Oxides of Sulphur Tons/Yr:	0.00133
Particulate Matter Tons/Yr:	0.00163
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

INDEL ENGINEERING INC (Continued) **S104406337**

Year:	2006
County Code:	19
Air Basin:	SC
Facility ID:	23468
Air District Name:	SC
SIC Code:	3752
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3.723605850389095657
Reactive Organic Gases Tons/Yr:	2.755
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2007
County Code:	19
Air Basin:	SC
Facility ID:	23468
Air District Name:	SC
SIC Code:	3752
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3.723605850389095657
Reactive Organic Gases Tons/Yr:	2.755
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:	2012
County Code:	19
Air Basin:	SC
Facility ID:	23468
Air District Name:	SC
SIC Code:	3732
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.7265260085
Reactive Organic Gases Tons/Yr:	2.39024
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:	2013
County Code:	19
Air Basin:	SC
Facility ID:	23468
Air District Name:	SC
SIC Code:	3732

INDEL ENGINEERING INC (Continued) **S104406337**

Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.6928696512
Reactive Organic Gases Tons/Yr:	1.62275
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

HIST CORTESE:

Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	908030089

WDS:

Facility ID:	4 19I004977
Facility Type:	Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	4
Facility Telephone:	3105940995
Facility Contact:	JERRY TRETTER
Agency Name:	MARINA SHIPYARD
Agency Address:	6400 E Marina Dr Ste 5
Agency City,St,Zip:	Long Beach 908034688
Agency Contact:	BUD TRETTERJAY NELSON
Agency Telephone:	3105940995
Agency Type:	Private
SIC Code:	0
SIC Code 2:	Not reported
Primary Waste Type:	Not reported
Primary Waste:	Not reported
Waste Type2:	Not reported
Waste2:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	Not reported
POTW:	Not reported
Treat To Water:	Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to

INDEL ENGINEERING INC (Continued) **S104406337**

represent no threat to water quality.

Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

L59
NNE
1/4-1/2
0.496 mi.
2620 ft.

ALAMITOS GENERATING STATION
690 NORTH STUDEBAKER ROAD
LONG BEACH, CA 90803

CA SLIC **S104549313**
CA ENF **N/A**

Site 1 of 3 in cluster L

Relative:
Higher

Actual:
12 ft.

SLIC REG 4:

Region:	4
Facility Status:	Site Assessment
SLIC:	0710D
Substance:	TPH
Staff:	TTW

ENF:

Region:	4
Facility Id:	207266
Agency Name:	AES Alamitos LLC
Place Type:	Utility
Place Subtype:	Power Plant
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	33.76592
Place Longitude:	-118.10366
SIC Code 1:	4911
SIC Desc 1:	Electric Services
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	1271
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDINDLRG
Program Category1:	NPDESWW
Program Category2:	NPDESWW

ALAMITOS GENERATING STATION (Continued) **S104549313**

# Of Programs:	1
WDID:	4B192111006
Reg Measure Id:	398381
Reg Measure Type:	NPDES Permits
Region:	4
Order #:	R4-2015-0173
Npdes# CA#:	CA0001139
Major-Minor:	Major
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	Not reported
Status:	Active
Status Date:	09/22/2015
Effective Date:	01/01/2016
Expiration/Review Date:	12/31/2020
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	402936
Region:	4
Order / Resolution Number:	R4-2015-0174
Enforcement Action Type:	Time Schedule Order
Effective Date:	09/10/2015
Adoption/Issuance Date:	09/10/2015
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Active
Title:	TSO R4-2015-0174 for AES Alamitos LLC
Description:	Not reported
Program:	NPDINDLRG
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	$0.00
Initial Assessed Amount:	$0.00
Liability $ Amount:	$0.00
Project $ Amount:	$0.00
Liability $ Paid:	$0.00
Project $ Completed:	$0.00
Total $ Paid/Completed Amount:	$0.00
Region:	4
Facility Id:	207266
Agency Name:	AES Alamitos LLC
Place Type:	Utility
Place Subtype:	Power Plant

ALAMITOS GENERATING STATION (Continued) **S104549313**

Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	33.76592
Place Longitude:	-118.10366
SIC Code 1:	4911
SIC Desc 1:	Electric Services
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	1282.8
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDINDLRG
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	4B192111006
Reg Measure Id:	148236
Reg Measure Type:	NPDES Permits
Region:	4
Order #:	00-082
Npdes# CA#:	CA0001139
Major-Minor:	Major
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	20000
Status:	Historical
Status Date:	09/21/2015
Effective Date:	06/29/2000
Expiration/Review Date:	01/01/2010
Termination Date:	12/31/2015
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow

ALAMITOS GENERATING STATION (Continued) **S104549313**

Direction/Voice:	Passive
Enforcement Id(EID):	401512
Region:	4
Order / Resolution Number:	R4-2015-0117
Enforcement Action Type:	Admin Civil Liability
Effective Date:	09/15/2015
Adoption/Issuance Date:	09/15/2015
Achieve Date:	Not reported
Termination Date:	09/15/2015
ACL Issuance Date:	Not reported
EPL Issuance Date:	06/15/2015
Status:	Historical
Title:	ACL R4-2015-0117 for AES Alamitos LLC
Description:	EPL No. R4-2015-0117 was issued on 6/15/15 for 11 effluent violations, 7 of which are MMPable, for total liability of $21,000.
Program:	NPDINDLRG
Latest Milestone Completion Date:	2015-08-31
# Of Programs1:	1
Total Assessment Amount:	$21,000.00
Initial Assessed Amount:	$21,000.00
Liability $ Amount:	$21,000.00
Project $ Amount:	$0.00
Liability $ Paid:	$21,000.00
Project $ Completed:	$0.00
Total $ Paid/Completed Amount:	$21,000.00

Region:	4
Facility Id:	207266
Agency Name:	AES Alamitos LLC
Place Type:	Utility
Place Subtype:	Power Plant
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	33.76592
Place Longitude:	-118.10366
SIC Code 1:	4911
SIC Desc 1:	Electric Services
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	1282.8
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Not reported

ALAMITOS GENERATING STATION (Continued) **S104549313**

Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDINDLRG
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	4B192111006
Reg Measure Id:	148236
Reg Measure Type:	NPDES Permits
Region:	4
Order #:	00-082
Npdes# CA#:	CA0001139
Major-Minor:	Major
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	20000
Status:	Historical
Status Date:	09/21/2015
Effective Date:	06/29/2000
Expiration/Review Date:	01/01/2010
Termination Date:	12/31/2015
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	397235
Region:	4
Order / Resolution Number:	Not reported
Enforcement Action Type:	13267 Letter
Effective Date:	07/14/2014
Adoption/Issuance Date:	07/14/2014
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Active
Title:	13267 Letter 07/14/2014 for AES Alamitos LLC
Description:	Information requested in response to temperature violations. Not reported
Program:	NPDINDLRG
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	$0.00
Initial Assessed Amount:	$0.00
Liability $ Amount:	$0.00
Project $ Amount:	$0.00
Liability $ Paid:	$0.00
Project $ Completed:	$0.00
Total $ Paid/Completed Amount:	$0.00

ALAMITOS GENERATING STATION (Continued) **S104549313**

Region:	4
Facility Id:	207266
Agency Name:	AES Alamitos LLC
Place Type:	Utility
Place Subtype:	Power Plant
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	33.76592
Place Longitude:	-118.10366
SIC Code 1:	4911
SIC Desc 1:	Electric Services
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	1282.8
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDINDLRG
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	4B192111006
Reg Measure Id:	148236
Reg Measure Type:	NPDES Permits
Region:	4
Order #:	00-082
Npdes# CA#:	CA0001139
Major-Minor:	Major
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	20000
Status:	Historical
Status Date:	09/21/2015
Effective Date:	06/29/2000
Expiration/Review Date:	01/01/2010
Termination Date:	12/31/2015
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported

ALAMITOS GENERATING STATION (Continued) **S104549313**

WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	392477
Region:	4
Order / Resolution Number:	Not reported
Enforcement Action Type:	Oral Communication
Effective Date:	07/22/2013
Adoption/Issuance Date:	07/22/2013
Achieve Date:	Not reported
Termination Date:	07/22/2013
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Oral Com 07/22/2013 for AES Alamitos LLC
Description:	Sent the discharger two email detailing the discrepancies in the report submittal and the monitoring violations. The database will also notify the LRO of the violations linked to the January and February reports. Note: 6 hours were spent reviewing these two reports and addressing these violations.
Program:	NPDINDLRG
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	$0.00
Initial Assessed Amount:	$0.00
Liability $ Amount:	$0.00
Project $ Amount:	$0.00
Liability $ Paid:	$0.00
Project $ Completed:	$0.00
Total $ Paid/Completed Amount:	$0.00

Region:	4
Facility Id:	207266
Agency Name:	AES Alamitos LLC
Place Type:	Utility
Place Subtype:	Power Plant
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	33.76592
Place Longitude:	-118.10366
SIC Code 1:	4911
SIC Desc 1:	Electric Services
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported

ALAMITOS GENERATING STATION (Continued) **S104549313**

# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	1282.8
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDINDLRG
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	4B192111006
Reg Measure Id:	148236
Reg Measure Type:	NPDES Permits
Region:	4
Order #:	00-082
Npdes# CA#:	CA0001139
Major-Minor:	Major
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	20000
Status:	Historical
Status Date:	09/21/2015
Effective Date:	06/29/2000
Expiration/Review Date:	01/01/2010
Termination Date:	12/31/2015
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	392476
Region:	4
Order / Resolution Number:	Not reported
Enforcement Action Type:	Oral Communication
Effective Date:	07/23/2013
Adoption/Issuance Date:	07/23/2013
Achieve Date:	Not reported
Termination Date:	07/23/2013
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Oral Com 07/23/2013 for AES Alamitos LLC
Description:	Sent the discharger an email detailing the discrepancies in the report. The database notified the LRO of the violations linked to both the March and April 2013 reports. Note: 8 hours were spent reviewing these two reports and addressing

ALAMITOS GENERATING STATION (Continued) **S104549313**

	these violations.
Program:	NPDINDLRG
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	$0.00
Initial Assessed Amount:	$0.00
Liability $ Amount:	$0.00
Project $ Amount:	$0.00
Liability $ Paid:	$0.00
Project $ Completed:	$0.00
Total $ Paid/Completed Amount:	$0.00

Region:	4
Facility Id:	207266
Agency Name:	AES Alamitos LLC
Place Type:	Utility
Place Subtype:	Power Plant
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	33.76592
Place Longitude:	-118.10366
SIC Code 1:	4911
SIC Desc 1:	Electric Services
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	1282.8
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDINDLRG
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	4B192111006
Reg Measure Id:	148236
Reg Measure Type:	NPDES Permits
Region:	4
Order #:	00-082
Npdes# CA#:	CA0001139
Major-Minor:	Major
Npdes Type:	OTH
Reclamation:	N - No

ALAMITOS GENERATING STATION (Continued) **S104549313**

Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	20000
Status:	Historical
Status Date:	09/21/2015
Effective Date:	06/29/2000
Expiration/Review Date:	01/01/2010
Termination Date:	12/31/2015
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	392474
Region:	4
Order / Resolution Number:	Not reported
Enforcement Action Type:	Oral Communication
Effective Date:	07/25/2013
Adoption/Issuance Date:	07/25/2013
Achieve Date:	Not reported
Termination Date:	07/25/2013
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Oral Com 07/25/2013 for AES Alamitos LLC
Description:	Sent the discharger an email detailing the discrepancies in the report submittal and the monitoring violation. The database will also notify the LRO of the violations linked to the May 2013 report. Note: 6 hours were spent reviewing and addressing these violations.
Program:	NPDINDLRG
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	$0.00
Initial Assessed Amount:	$0.00
Liability $ Amount:	$0.00
Project $ Amount:	$0.00
Liability $ Paid:	$0.00
Project $ Completed:	$0.00
Total $ Paid/Completed Amount:	$0.00
Region:	4
Facility Id:	207266
Agency Name:	AES Alamitos LLC
Place Type:	Utility
Place Subtype:	Power Plant
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	33.76592
Place Longitude:	-118.10366
SIC Code 1:	4911

ALAMITOS GENERATING STATION (Continued) **S104549313**

SIC Desc 1:	Electric Services
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	1282.8
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDINDLRG
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	4B192111006
Reg Measure Id:	148236
Reg Measure Type:	NPDES Permits
Region:	4
Order #:	00-082
Npdes# CA#:	CA0001139
Major-Minor:	Major
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	20000
Status:	Historical
Status Date:	09/21/2015
Effective Date:	06/29/2000
Expiration/Review Date:	01/01/2010
Termination Date:	12/31/2015
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	389478
Region:	4
Order / Resolution Number:	Not reported
Enforcement Action Type:	Oral Communication
Effective Date:	01/24/2012

ALAMITOS GENERATING STATION (Continued) **S104549313**

Adoption/Issuance Date:	01/24/2012
Achieve Date:	Not reported
Termination Date:	01/24/2012
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Oral Com 01/24/2012 for AES Alamitos LLC
Description:	Contacted Mike Linares by email on 1/24/2012 to let him know about the Maximum Holding Time for coliform and the inadequacy of the chain-of-custody forms.
Program:	NPDINDLRG
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	$0.00
Initial Assessed Amount:	$0.00
Liability $ Amount:	$0.00
Project $ Amount:	$0.00
Liability $ Paid:	$0.00
Project $ Completed:	$0.00
Total $ Paid/Completed Amount:	$0.00

Region:	4
Facility Id:	207266
Agency Name:	AES Alamitos LLC
Place Type:	Utility
Place Subtype:	Power Plant
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	33.76592
Place Longitude:	-118.10366
SIC Code 1:	4911
SIC Desc 1:	Electric Services
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	1282.8
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDINDLRG
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1

ALAMITOS GENERATING STATION (Continued) **S104549313**

WDID:	4B192111006
Reg Measure Id:	148236
Reg Measure Type:	NPDES Permits
Region:	4
Order #:	00-082
Npdes# CA#:	CA0001139
Major-Minor:	Major
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	20000
Status:	Historical
Status Date:	09/21/2015
Effective Date:	06/29/2000
Expiration/Review Date:	01/01/2010
Termination Date:	12/31/2015
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	385569
Region:	4
Order / Resolution Number:	Not reported
Enforcement Action Type:	13267 Letter
Effective Date:	06/05/2012
Adoption/Issuance Date:	06/05/2012
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	13267 Letter 06/05/2012 for AES Alamitos LLC
Description:	Discharger failed to comply with the 13267 Order timely.
Program:	NPDINDLRG
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	$0.00
Initial Assessed Amount:	$0.00
Liability $ Amount:	$0.00
Project $ Amount:	$0.00
Liability $ Paid:	$0.00
Project $ Completed:	$0.00
Total $ Paid/Completed Amount:	$0.00

Region:	4
Facility Id:	207266
Agency Name:	AES Alamitos LLC
Place Type:	Utility
Place Subtype:	Power Plant
Facility Type:	Industrial

ALAMITOS GENERATING STATION (Continued) **S104549313**

Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	33.76592
Place Longitude:	-118.10366
SIC Code 1:	4911
SIC Desc 1:	Electric Services
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	1282.8
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDINDLRG
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	4B192111006
Reg Measure Id:	148236
Reg Measure Type:	NPDES Permits
Region:	4
Order #:	00-082
Npdes# CA#:	CA0001139
Major-Minor:	Major
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	20000
Status:	Historical
Status Date:	09/21/2015
Effective Date:	06/29/2000
Expiration/Review Date:	01/01/2010
Termination Date:	12/31/2015
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive

ALAMITOS GENERATING STATION (Continued) **S104549313**

Enforcement Id(EID):	382673
Region:	4
Order / Resolution Number:	Not reported
Enforcement Action Type:	Notice of Violation
Effective Date:	05/04/2011
Adoption/Issuance Date:	05/04/2011
Achieve Date:	Not reported
Termination Date:	05/04/2011
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	NOV 05/04/2011 for AES Alamitos LLC
Description:	Not reported
Program:	NPDINDLRG
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	$0.00
Initial Assessed Amount:	$0.00
Liability $ Amount:	$0.00
Project $ Amount:	$0.00
Liability $ Paid:	$0.00
Project $ Completed:	$0.00
Total $ Paid/Completed Amount:	$0.00

Region:	4
Facility Id:	207266
Agency Name:	AES Alamitos LLC
Place Type:	Utility
Place Subtype:	Power Plant
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	33.76592
Place Longitude:	-118.10366
SIC Code 1:	4911
SIC Desc 1:	Electric Services
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	1282.8
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDINDLRG

ALAMITOS GENERATING STATION (Continued) **S104549313**

Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	4B192111006
Reg Measure Id:	148236
Reg Measure Type:	NPDES Permits
Region:	4
Order #:	00-082
Npdes# CA#:	CA0001139
Major-Minor:	Major
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	20000
Status:	Historical
Status Date:	09/21/2015
Effective Date:	06/29/2000
Expiration/Review Date:	01/01/2010
Termination Date:	12/31/2015
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	382671
Region:	4
Order / Resolution Number:	Not reported
Enforcement Action Type:	Notice of Violation
Effective Date:	12/21/2011
Adoption/Issuance Date:	12/21/2011
Achieve Date:	Not reported
Termination Date:	12/21/2011
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	NOV 12/21/2011 for AES Alamitos LLC
Description:	Not reported
Program:	NPDINDLRG
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	$0.00
Initial Assessed Amount:	$0.00
Liability $ Amount:	$0.00
Project $ Amount:	$0.00
Liability $ Paid:	$0.00
Project $ Completed:	$0.00
Total $ Paid/Completed Amount:	$0.00
Region:	4
Facility Id:	207266
Agency Name:	AES Alamitos LLC

ALAMITOS GENERATING STATION (Continued) **S104549313**

Place Type:	Utility
Place Subtype:	Power Plant
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	33.76592
Place Longitude:	-118.10366
SIC Code 1:	4911
SIC Desc 1:	Electric Services
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	1282.8
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDINDLRG
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	4B192111006
Reg Measure Id:	148236
Reg Measure Type:	NPDES Permits
Region:	4
Order #:	00-082
Npdes# CA#:	CA0001139
Major-Minor:	Major
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	20000
Status:	Historical
Status Date:	09/21/2015
Effective Date:	06/29/2000
Expiration/Review Date:	01/01/2010
Termination Date:	12/31/2015
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N

ALAMITOS GENERATING STATION (Continued) **S104549313**

Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	352440
Region:	4
Order / Resolution Number:	R4-2008-0057-M
Enforcement Action Type:	Admin Civil Liability
Effective Date:	08/29/2008
Adoption/Issuance Date:	01/22/2009
Achieve Date:	Not reported
Termination Date:	02/02/2009
ACL Issuance Date:	01/22/2009
EPL Issuance Date:	08/29/2008
Status:	Historical
Title:	Stipulated Order R4-2008-0057-M for $87,000 issued 1/22/09.
Description:	Expedited Settlement Ltr sent 8/29/08 for 34 effluent & 1 late report. MMP amt for 28 eligible effluent violations: $84,000 to CAA. MMP amt for 1 late report: $3,000 to CAA. Stipulated Order R4-2008-0057-M for $87,000 issued 1/22/09.
Program:	NPDINDLRG
Latest Milestone Completion Date:	2009-02-02
# Of Programs1:	1
Total Assessment Amount:	$87,000.00
Initial Assessed Amount:	$87,000.00
Liability $ Amount:	$87,000.00
Project $ Amount:	$0.00
Liability $ Paid:	$87,000.00
Project $ Completed:	$0.00
Total $ Paid/Completed Amount:	$87,000.00

Region:	4
Facility Id:	207266
Agency Name:	AES Alamitos LLC
Place Type:	Utility
Place Subtype:	Power Plant
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	33.76592
Place Longitude:	-118.10366
SIC Code 1:	4911
SIC Desc 1:	Electric Services
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	1282.8
Threat To Water Quality:	1
Complexity:	A

ALAMITOS GENERATING STATION (Continued) **S104549313**

Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDINDLRG
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	4B192111006
Reg Measure Id:	148236
Reg Measure Type:	NPDES Permits
Region:	4
Order #:	00-082
Npdes# CA#:	CA0001139
Major-Minor:	Major
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	20000
Status:	Historical
Status Date:	09/21/2015
Effective Date:	06/29/2000
Expiration/Review Date:	01/01/2010
Termination Date:	12/31/2015
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	349106
Region:	4
Order / Resolution Number:	NOV
Enforcement Action Type:	Notice of Violation
Effective Date:	05/30/2008
Adoption/Issuance Date:	05/30/2008
Achieve Date:	Not reported
Termination Date:	05/30/2008
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	NOV sent 5/30/08 for 31 permit effluent violations of Order 00-082.
Description:	NOV sent 5/30/08 for 31 permit effluent violations of Order 00-082.
Program:	NPDINDLRG
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	$0.00
Initial Assessed Amount:	$0.00
Liability $ Amount:	$0.00
Project $ Amount:	$0.00

ALAMITOS GENERATING STATION (Continued) **S104549313**

Liability $ Paid: $0.00
Project $ Completed: $0.00
Total $ Paid/Completed Amount: $0.00

L60 NNE 1/4-1/2 0.496 mi. 2620 ft. | **EPTC ALAMITOS 690 N. STUDEBAKER RD. LONG BEACH, CA 90815** | **CORRACTS RCRA-SQG US AIRS NY MANIFEST** | **1000167573 CAD009694795**

Site 2 of 3 in cluster L

Relative: Higher

Actual: 12 ft.

CORRACTS:

EPA ID: CAD009694795
EPA Region: 9
Area Name: STUDEBAKER
Actual Date: 20060901
Action: CA100 - RFI Imposition
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD009694795
EPA Region: 9
Area Name: SURFACE IMPOUNDMENTS
Actual Date: 20111004
Action: CA140 - RFI Workplan Notice Of Deficiency Issued
NAICS Code(s): Not reported
Original schedule date: 20111023
Schedule end date: Not reported

EPA ID: CAD009694795
EPA Region: 9
Area Name: SURFACE IMPOUNDMENTS
Actual Date: 20111004
Action: CA120 - RFI Workplan Modification Requested By Agency
NAICS Code(s): Not reported
Original schedule date: 20111023
Schedule end date: Not reported

EPA ID: CAD009694795
EPA Region: 9
Area Name: STUDEBAKER PROPERTY - FORMER ABOVEGROUND
Actual Date: 20070120
Action: CA110 - RFI Workplan Received
NAICS Code(s): Not reported
Original schedule date: 20070130
Schedule end date: Not reported

EPA ID: CAD009694795
EPA Region: 9
Area Name: SURFACE IMPOUNDMENTS
Actual Date: 20110824
Action: CA110 - RFI Workplan Received
NAICS Code(s): Not reported
Original schedule date: 20110930
Schedule end date: Not reported

EPTC ALAMITOS (Continued) **1000167573**

EPA ID: CAD009694795
EPA Region: 9
Area Name: STUDEBAKER PROPERTY - FORMER ABOVEGROUND
Actual Date: 20070828
Action: CA150 - RFI Workplan Approved
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD009694795
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 20130630
Action: CA180 - RFI Supplemental Implementation Begun
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD009694795
EPA Region: 9
Area Name: SURFACE IMPOUNDMENTS
Actual Date: 20120131
Action: CA150 - RFI Workplan Approved
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD009694795
EPA Region: 9
Area Name: STUDEBAKER
Actual Date: 20070731
Action: CA150 - RFI Workplan Approved
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

RCRA-SQG:
Date form received by agency: 03/04/1999
Facility name: EPTC ALAMITOS
Site name: ALAMITOS GENERATING STATION
Facility address: 690 N. STUDEBAKER RD.
LONG BEACH, CA 90815
EPA ID: CAD009694795
Mailing address: 2244 WALNUT GROVE AVE ROOM 405
ROSEMEAD, CA 91770
Contact: KATHRYN VANDERSLICE
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: (626) 302-9320
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

EPTC ALAMITOS (Continued) **1000167573**

waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Handler Activities Summary:

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

Historical Generators:

Date form received by agency: 10/20/1998
Site name: EPTC ALAMITOS
Classification: Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D008
. Waste name: LEAD

. Waste code: D018
. Waste name: BENZENE

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

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

. Waste code: F003

EPTC ALAMITOS (Continued) **1000167573**

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

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

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

Date form received by agency: 02/27/1996
Site name: SOUTHERN CALIFORNIA EDISON
Classification: Large Quantity Generator

Date form received by agency: 03/29/1994
Site name: ALAMITOS GENERATING STATION
Classification: Large Quantity Generator

Date form received by agency: 02/28/1992
Site name: SOUTHERN CALIFORNIA EDISON ALA
Classification: Large Quantity Generator

Date form received by agency: 03/28/1990
Site name: SOUTHERN CALIFORNIA EDISON ALAMIT
Classification: Large Quantity Generator

Corrective Action Summary:

Event date: 09/01/2006
Event: RFI Imposition

Event date: 01/20/2007
Event: RFI Workplan Received

Event date: 07/31/2007
Event: RFI Workplan Approved

Event date: 08/28/2007
Event: RFI Workplan Approved

Event date: 08/24/2011
Event: RFI Workplan Received

Event date: 10/04/2011

EPTC ALAMITOS (Continued) **1000167573**

Event: RFI Workplan Modification Requested By Agency

Event date: 10/04/2011
Event: RFI Workplan Notice Of Deficiency Issued

Event date: 01/31/2012
Event: RFI Workplan Approved

Event date: 06/30/2013
Event: RFI Supplemental Implementation Begun

Facility Has Received Notices of Violations:
Regulation violated: FR - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 09/23/1993
Date achieved compliance: 02/01/1995
Violation lead agency: State
Enforcement action: FINAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement action date: 02/01/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 1950000
Paid penalty amount: 1633200

Regulation violated: FR - 264.220-230.K
Area of violation: TSD - General
Date violation determined: 09/23/1993
Date achieved compliance: 02/01/1995
Violation lead agency: State
Enforcement action: FINAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement action date: 02/01/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 1950000
Paid penalty amount: 1633200

Regulation violated: FR - 264.90-94.F
Area of violation: TSD IS-Ground-Water Monitoring
Date violation determined: 09/23/1993
Date achieved compliance: 02/01/1995
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/23/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 09/23/1993

EPTC ALAMITOS (Continued) **1000167573**

Date achieved compliance: 02/01/1995
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/23/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.190-201.J
Area of violation: TSD - General
Date violation determined: 09/23/1993
Date achieved compliance: 02/01/1995
Violation lead agency: State
Enforcement action: FINAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement action date: 02/01/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 1950000
Paid penalty amount: 1633200

Regulation violated: FR - 264.90-94.F
Area of violation: TSD IS-Ground-Water Monitoring
Date violation determined: 09/23/1993
Date achieved compliance: 02/01/1995
Violation lead agency: State
Enforcement action: FINAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement action date: 02/01/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 1950000
Paid penalty amount: 1633200

Regulation violated: FR - 264.220-230.K
Area of violation: TSD - General
Date violation determined: 09/23/1993
Date achieved compliance: 02/01/1995
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/23/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.190-201.J
Area of violation: TSD - General
Date violation determined: 09/23/1993
Date achieved compliance: 02/01/1995

EPTC ALAMITOS (Continued) **1000167573**

Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/23/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 05/28/2014
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/30/2002
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/22/2001
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/28/1998
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/12/1993
Evaluation: CASE DEVELOPMENT INSPECTION
Area of violation: Generators - General
Date achieved compliance: 02/01/1995
Evaluation lead agency: State

Evaluation date: 03/12/1993
Evaluation: CASE DEVELOPMENT INSPECTION
Area of violation: TSD IS-Ground-Water Monitoring
Date achieved compliance: 02/01/1995
Evaluation lead agency: State

Evaluation date: 03/12/1993
Evaluation: CASE DEVELOPMENT INSPECTION
Area of violation: TSD - General
Date achieved compliance: 02/01/1995
Evaluation lead agency: State

US AIRS (AFS):
Envid: 1000167573
Region Code: 09
County Code: CA037

EPTC ALAMITOS (Continued) **1000167573**

Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
D and B Number: Not reported
Facility Site Name: AES ALAMITOS STATION, LLC
Primary SIC Code: 4911
NAICS Code: 221112
Default Air Classification Code: MAJ
Facility Type of Ownership Code: POF
Air CMS Category Code: TVM
HPV Status: Not reported

US AIRS (AFS):
Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: Not reported
Activity Status Date: 2006-04-04 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: Not reported
Activity Status Date: 2009-04-08 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: Not reported
Activity Status Date: 2010-10-28 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: Not reported
Activity Status Date: 2011-11-16 00:00:00
Activity Group: Case File
Activity Type: Case File

EPTC ALAMITOS (Continued) **1000167573**

Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1975-05-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1977-10-06 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1978-06-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1978-08-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1979-01-24 00:00:00

EPTC ALAMITOS (Continued) **1000167573**

Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1979-09-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1980-03-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1980-09-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1981-02-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR

EPTC ALAMITOS (Continued) **1000167573**

Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	1981-06-10 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported

Region Code:	09
Programmatic ID:	AIR CASCA0000603700005
Facility Registry ID:	110000522113
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	1981-12-11 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported

Region Code:	09
Programmatic ID:	AIR CASCA0000603700005
Facility Registry ID:	110000522113
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	1982-02-16 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported

Region Code:	09
Programmatic ID:	AIR CASCA0000603700005
Facility Registry ID:	110000522113
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	1983-01-07 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported

Region Code:	09
Programmatic ID:	AIR CASCA0000603700005
Facility Registry ID:	110000522113
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	1983-05-20 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported

Region Code:	09

EPTC ALAMITOS (Continued) **1000167573**

Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1983-08-31 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1984-02-06 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1984-03-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1984-08-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1985-09-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

EPTC ALAMITOS (Continued) **1000167573**

Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1986-07-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1987-04-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1988-02-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1989-05-31 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1990-05-09 00:00:00

EPTC ALAMITOS (Continued) **1000167573**

Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1991-04-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1992-04-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1993-04-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1994-06-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR

EPTC ALAMITOS (Continued) **1000167573**

Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1995-04-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1995-08-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1996-08-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1997-06-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1998-04-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09

EPTC ALAMITOS (Continued) **1000167573**

Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2000-03-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2003-03-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-02-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-02-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-02-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

EPTC ALAMITOS (Continued) **1000167573**

Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-02-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2007-08-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-02-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-03-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-06-16 00:00:00

EPTC ALAMITOS (Continued) **1000167573**

Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-06-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-07-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-08-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-08-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR

EPTC ALAMITOS (Continued) **1000167573**

Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-09-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-02-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-04-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-05-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-06-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09

EPTC ALAMITOS (Continued) **1000167573**

Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-06-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-06-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-08-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-08-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-09-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

EPTC ALAMITOS (Continued) **1000167573**

Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-09-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-03-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-03-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-03-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-06-22 00:00:00

EPTC ALAMITOS (Continued) **1000167573**

Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported

Region Code:	09
Programmatic ID:	AIR CASCA0000603700005
Facility Registry ID:	110000522113
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2014-02-28 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported

Region Code:	09
Programmatic ID:	AIR CASCA0000603700005
Facility Registry ID:	110000522113
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2014-04-04 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported

Region Code:	09
Programmatic ID:	AIR CASCA0000603700005
Facility Registry ID:	110000522113
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2014-09-30 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported

Region Code:	09
Programmatic ID:	AIR CASCA0000603700005
Facility Registry ID:	110000522113
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2014-10-01 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported

Region Code:	09
Programmatic ID:	AIR CASCA0000603700005
Facility Registry ID:	110000522113
Air Operating Status Code:	OPR

EPTC ALAMITOS (Continued) **1000167573**

Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2005-08-10 00:00:00
Activity Status Date:	2005-08-10 00:00:00
Activity Group:	Enforcement Action
Activity Type:	Administrative - Formal
Activity Status:	Final Order Issued

Region Code:	09
Programmatic ID:	AIR CASCA0000603700005
Facility Registry ID:	110000522113
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2008-10-17 00:00:00
Activity Status Date:	2008-10-17 00:00:00
Activity Group:	Enforcement Action
Activity Type:	Administrative - Formal
Activity Status:	Final Order Issued

Region Code:	09
Programmatic ID:	AIR CASCA0000603700005
Facility Registry ID:	110000522113
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2010-09-29 00:00:00
Activity Status Date:	2010-09-29 00:00:00
Activity Group:	Enforcement Action
Activity Type:	Administrative - Formal
Activity Status:	Final Order Issued

Region Code:	09
Programmatic ID:	AIR CASCA0000603700005
Facility Registry ID:	110000522113
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2011-04-29 00:00:00
Activity Status Date:	2011-04-29 00:00:00
Activity Group:	Enforcement Action
Activity Type:	Administrative - Formal
Activity Status:	Final Order Issued

Region Code:	09
Programmatic ID:	AIR CASCA0000603700005
Facility Registry ID:	110000522113
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2011-11-03 00:00:00
Activity Status Date:	2011-11-03 00:00:00
Activity Group:	Enforcement Action
Activity Type:	Administrative - Formal
Activity Status:	Final Order Issued

Region Code:	09

EPTC ALAMITOS (Continued) **1000167573**

Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-11-16 00:00:00
Activity Status Date: 2011-11-16 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1996-08-13 00:00:00
Activity Status Date: 1996-08-13 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-06-03 00:00:00
Activity Status Date: 2005-06-03 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-07-24 00:00:00
Activity Status Date: 2008-07-24 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-06-11 00:00:00
Activity Status Date: 2010-06-11 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal

EPTC ALAMITOS (Continued) **1000167573**

Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-04-29 00:00:00
Activity Status Date: 2011-04-29 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2015-06-25 18:30:10
Activity Group: Case File
Activity Type: Case File
Activity Status: Notified

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 1997-02-06 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2006-04-04 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported

EPTC ALAMITOS (Continued) **1000167573**

Activity Status Date:	2009-04-08 00:00:00
Activity Group:	Case File
Activity Type:	Case File
Activity Status:	Resolved
Region Code:	09
Programmatic ID:	AIR CASCA0000603700005
Facility Registry ID:	110000522113
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	Not reported
Activity Status Date:	2010-10-28 00:00:00
Activity Group:	Case File
Activity Type:	Case File
Activity Status:	Resolved
Region Code:	09
Programmatic ID:	AIR CASCA0000603700005
Facility Registry ID:	110000522113
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	Not reported
Activity Status Date:	2011-11-16 00:00:00
Activity Group:	Case File
Activity Type:	Case File
Activity Status:	Resolved
Region Code:	09
Programmatic ID:	AIR CASCA0000603700005
Facility Registry ID:	110000522113
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	1997-06-14 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASCA0000603700005
Facility Registry ID:	110000522113
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	1998-04-11 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASCA0000603700005
Facility Registry ID:	110000522113
Air Operating Status Code:	OPR

EPTC ALAMITOS (Continued) **1000167573**

Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2000-03-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2000-03-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2000-10-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2001-03-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2002-03-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09

EPTC ALAMITOS (Continued) **1000167573**

Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-03-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-03-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-02-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-03-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-02-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

EPTC ALAMITOS (Continued) **1000167573**

Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-02-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-03-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-02-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-03-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2007-08-16 00:00:00

EPTC ALAMITOS (Continued) **1000167573**

Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported

Region Code:	09
Programmatic ID:	AIR CASCA0000603700005
Facility Registry ID:	110000522113
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2008-02-26 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported

Region Code:	09
Programmatic ID:	AIR CASCA0000603700005
Facility Registry ID:	110000522113
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2008-03-12 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported

Region Code:	09
Programmatic ID:	AIR CASCA0000603700005
Facility Registry ID:	110000522113
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2009-06-16 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported

Region Code:	09
Programmatic ID:	AIR CASCA0000603700005
Facility Registry ID:	110000522113
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2009-06-26 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported

Region Code:	09
Programmatic ID:	AIR CASCA0000603700005
Facility Registry ID:	110000522113
Air Operating Status Code:	OPR

EPTC ALAMITOS (Continued) **1000167573**

Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2009-07-01 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported

Region Code:	09
Programmatic ID:	AIR CASCA0000603700005
Facility Registry ID:	110000522113
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2009-08-07 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported

Region Code:	09
Programmatic ID:	AIR CASCA0000603700005
Facility Registry ID:	110000522113
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2009-08-11 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported

Region Code:	09
Programmatic ID:	AIR CASCA0000603700005
Facility Registry ID:	110000522113
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2009-09-24 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported

Region Code:	09
Programmatic ID:	AIR CASCA0000603700005
Facility Registry ID:	110000522113
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2010-02-25 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported

Region Code:	09

EPTC ALAMITOS (Continued) **1000167573**

Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-04-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-05-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-06-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-06-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-06-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

EPTC ALAMITOS (Continued) **1000167573**

Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-08-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-08-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-09-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-09-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-03-01 00:00:00

EPTC ALAMITOS (Continued) **1000167573**

Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported

Region Code:	09
Programmatic ID:	AIR CASCA0000603700005
Facility Registry ID:	110000522113
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2012-03-20 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported

Region Code:	09
Programmatic ID:	AIR CASCA0000603700005
Facility Registry ID:	110000522113
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2012-03-21 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported

Region Code:	09
Programmatic ID:	AIR CASCA0000603700005
Facility Registry ID:	110000522113
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2012-06-22 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported

Region Code:	09
Programmatic ID:	AIR CASCA0000603700005
Facility Registry ID:	110000522113
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2014-02-28 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported

Region Code:	09
Programmatic ID:	AIR CASCA0000603700005
Facility Registry ID:	110000522113
Air Operating Status Code:	OPR

EPTC ALAMITOS (Continued) **1000167573**

Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-04-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-09-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-10-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1997-02-06 00:00:00
Activity Status Date: 1997-02-06 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-08-10 00:00:00
Activity Status Date: 2005-08-10 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09

EPTC ALAMITOS (Continued) **1000167573**

Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-10-17 00:00:00
Activity Status Date: 2008-10-17 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-09-29 00:00:00
Activity Status Date: 2010-09-29 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-04-29 00:00:00
Activity Status Date: 2011-04-29 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-11-03 00:00:00
Activity Status Date: 2011-11-03 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-11-16 00:00:00
Activity Status Date: 2011-11-16 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal

EPTC ALAMITOS (Continued) **1000167573**

Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1996-08-13 00:00:00
Activity Status Date: 1996-08-13 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-06-03 00:00:00
Activity Status Date: 2005-06-03 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-07-24 00:00:00
Activity Status Date: 2008-07-24 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-06-11 00:00:00
Activity Status Date: 2010-06-11 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA0000603700005
Facility Registry ID: 110000522113
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-04-29 00:00:00

EPTC ALAMITOS (Continued) **1000167573**

Activity Status Date:	2011-04-29 00:00:00
Activity Group:	Enforcement Action
Activity Type:	Administrative - Informal
Activity Status:	Achieved
Region Code:	09
Programmatic ID:	AIR CASCA0000603700005
Facility Registry ID:	110000522113
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	Not reported
Activity Status Date:	2015-06-04 00:00:00
Activity Group:	Enforcement Action
Activity Type:	Administrative - Informal
Activity Status:	Achieved

NY MANIFEST:

EPA ID:	CAD009694795
Country:	USA
Location Address 1:	690 N STUDEBAKER RD
Location Address 2:	Not reported
Location City:	LONG BEACH
Location State:	CA
Location Zip Code:	90815
Location Zip Code 4:	Not reported

Mailing Info:

Name:	SOUTHERN CALIFORNIA EDISON
Contact:	STEVE MAGHY
Address:	690 N STUDEBAKER RD
City/State/Zip:	LONG BEACH, CA 90815
Country:	USA
Phone:	213-493-7384

Manifest:

Document ID:	NYB5421177
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	Not reported
Trans2 State ID:	Not reported
Generator Ship Date:	12/14/1993
Trans1 Recv Date:	12/14/1993
Trans2 Recv Date:	/ /
TSD Site Recv Date:	01/05/1994
Part A Recv Date:	/ /
Part B Recv Date:	01/19/1994
Generator EPA ID:	CAD009694795
Trans1 EPA ID:	MOD095038998
Trans2 EPA ID:	Not reported
TSDF ID:	NYD048148175
Waste Code:	D009 - MERCURY 0.2 MG/L TCLP
Quantity:	00240
Units:	P - Pounds
Number of Containers:	003
Container Type:	DM - Metal drums, barrels

EPTC ALAMITOS (Continued) **1000167573**

Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100
Year: 1993

L61 NNE 1/4-1/2 0.496 mi. 2620 ft. **SCE, ALAMITOS GENERATING STA.** **CA Toxic Pits** **S100676271**
690 STUDEBAKER ROAD **N/A**
LONG BEACH, CA 90803

Site 3 of 3 in cluster L

Relative: Higher

Actual: 12 ft.

TOXIC PITS:
Region: 04
Task #: 04010
Owner: SOUTHERN CALIFORNIA EDISON
1/2 Mi Limit: Y
Num. of Pits: 1
Cease Discharge Due: 02/26/95
Cease Discharge Complete:/ /
Closure Due: / /
Closure Completed: / /
Status: ACTIVE
Hydro Geological Assessment Report Due: / /
Final Hydro Geological Assessment Review Completed: 05/27/88

M62 SE 1/2-1 0.764 mi. 4036 ft. **NWS SEAL BEACH** **LUCIS FUDS** **1008196536**
N/A
, CA

Site 1 of 4 in cluster M

Relative: Higher

Actual: 31 ft.

Site Name: SITE 00070
Site Description: RESEARCH TESTING AND EVA
Facility Status: CA
Owner Name: FACILITY ENGINEERING COMMAND, SOUTHWEST
Program Name: Not reported
UIC number: N60701
Environment Zone Id Number: N60701_000003
Environment Zone Description:IR SITE 0070
Type Of Environmental Zone: Land use control zone
Land Use Control Description: Not reported
Restriction Type: GROUNDWATER
Restriction Type Defition: Groundwater use restricted.
Start Date Of Restriction: 12/21/2006
Restriction Comments: Not reported
LUC Status: Original Plan
LUC Status Date: 10/4/2011
DOD Cmd: SOUTHWEST

Site Name: SITE 00040
Site Description: CONCRETE PIT/GRAVEL AREA
Facility Status: CA
Owner Name: FACILITY ENGINEERING COMMAND, SOUTHWEST
Program Name: Not reported
UIC number: N60701
Environment Zone Id Number: N60701_000002
Environment Zone Description:IR SITE 0040
Type Of Environmental Zone: Land use control zone

NWS SEAL BEACH (Continued) **1008196536**

Land Use Control Description: Not reported
Restriction Type: GROUNDWATER
Restriction Type Defition: Groundwater use restricted.
Start Date Of Restriction: 5/31/2004
Restriction Comments: Not reported
LUC Status: Original Plan
LUC Status Date: 10/4/2011
DOD Cmd: SOUTHWEST

FUDS:
Federal Facility ID: CA9799F5960
FUDS #: J09CA1065
INST ID: 61337
Facility Name: NWS SEAL BEACH
City: SEAL BEACH
State: CA
EPA Region: 09
County: ORANGE
Congressional District: 48
US Army District: Los Angeles District (SPL)
Fiscal Year: 2013
Telephone: 213-452-3920
NPL Status: Not Listed
RAB: Not reported
CTC: 81.29999
Current Owner: Private Sector
Current Prog: Not reported
Future Prog: Not reported
Acreage: Not reported
Description: 4889.12 ACRES
History: SEAL BEACH NAVAL WEAPONS STATION
Latitude: -118.075996399
Longitude: 33.729099273700

M63 **LONG BEACH AMMUNITION LOADING PIER** **CA ENVIROSTOR** **S107736629**
SE **N/A**
1/2-1 **LONG BEACH, CA**
0.768 mi.
4055 ft. **Site 2 of 4 in cluster M**

Relative:
Higher

Actual:
31 ft.

ENVIROSTOR:
Facility ID: 80001028
Status: Inactive - Needs Evaluation
Status Date: 07/01/2005
Site Code: Not reported
Site Type: Military Evaluation
Site Type Detailed: FUDS
Acres: Not reported
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Douglas Bautista
Division Branch: Cleanup Cypress
Assembly: 72
Senate: 34
Special Program: Not reported
Restricted Use: NO

LONG BEACH AMMUNITION LOADING PIER (Continued) **S107736629**

Site Mgmt Req:	NONE SPECIFIED
Funding:	DERA
Latitude:	33.75
Longitude:	-118.0916
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	Long Beach Ammunition Loading Pier
Alias Type:	Alternate Name
Alias Name:	CA99799FA41900
Alias Type:	Federal Facility ID
Alias Name:	J09CA7392
Alias Type:	INPR
Alias Name:	80001028
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Inventory Project Report (INPR)
Completed Date:	07/01/1999
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

M64 **NWS SEAL BCH** **CA ENVIROSTOR** **S107736936**
SE **N/A**
1/2-1 **SEAL BEACH, CA**
0.768 mi.
4055 ft. **Site 3 of 4 in cluster M**

Relative:
Higher

Actual:
31 ft.

ENVIROSTOR:

Facility ID:	80000662
Status:	Inactive - Needs Evaluation
Status Date:	07/01/2005
Site Code:	Not reported
Site Type:	Military Evaluation
Site Type Detailed:	FUDS
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Douglas Bautista
Division Branch:	Cleanup Cypress
Assembly:	72
Senate:	34
Special Program:	Not reported

NWS SEAL BCH (Continued) **S107736936**

Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: DERA
Latitude: 33.75
Longitude: -118.0916
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CA99799F596000
Alias Type: Federal Facility ID
Alias Name: J09CA1065
Alias Type: INPR
Alias Name: 80000662
Alias Type: Envirostor ID Number

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

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

M65 **NAVAL MUNITIONS DEPOT** **CA ENVIROSTOR** **S107736843**
SE **N/A**
1/2-1 **SEAL BEACH, CA**
0.768 mi.
4055 ft. **Site 4 of 4 in cluster M**

Relative:
Higher

Actual:
31 ft.

ENVIROSTOR:
Facility ID: 80000834
Status: Inactive - Needs Evaluation
Status Date: 07/01/2005
Site Code: Not reported
Site Type: Military Evaluation
Site Type Detailed: FUDS
Acres: Not reported
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Douglas Bautista
Division Branch: Cleanup Cypress
Assembly: 72
Senate: 34
Special Program: Not reported
Restricted Use: NO

NAVAL MUNITIONS DEPOT (Continued) **S107736843**

Site Mgmt Req: NONE SPECIFIED
Funding: DERA
Latitude: 33.75
Longitude: -118.0916
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: Explosives (UXO, MEC
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CA99799F995500
Alias Type: Federal Facility ID
Alias Name: J09CA7132
Alias Type: INPR
Alias Name: 80000834
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Inventory Project Report (INPR)
Completed Date: 08/18/1998
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

N66 **SEAL BEACH NAVAL WEAPONS STN** **CORRACTS** **1015757242**
SE **CODE 0923** **RCRA-TSDF** **CA0170024491**
1/2-1 **SEAL BEACH, CA 90740** **RCRA-LQG**
0.910 mi. **2020 COR ACTION**
4804 ft. **Site 1 of 3 in cluster N** **PADS**
NY MANIFEST

Relative:
Higher

Actual:
44 ft.

CORRACTS:

EPA ID: CA0170024491
EPA Region: 9
Area Name: OPERABLE UNIT 5
Actual Date: 19980501
Action: CA650 - Stabilization Construction Completed
NAICS Code(s): 92811
National Security
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CA0170024491
EPA Region: 9
Area Name: OPERABLE UNIT 1
Actual Date: 19930803
Action: CA150 - RFI Workplan Approved
NAICS Code(s): 92811

SEAL BEACH NAVAL WEAPONS STN (Continued) **1015757242**

	National Security
Original schedule date:	Not reported
Schedule end date:	Not reported

EPA ID:	CA0170024491
EPA Region:	9
Area Name:	OPERABLE UNIT 1
Actual Date:	19930803
Action:	CA300 - CMS Workplan Approved
NAICS Code(s):	92811
	National Security
Original schedule date:	Not reported
Schedule end date:	Not reported

EPA ID:	CA0170024491
EPA Region:	9
Area Name:	ENTIRE FACILITY
Actual Date:	19930408
Action:	CA225NR - Stabilization Measures Evaluation, This facility is, not amenable to stabilization activity at the, present time for reasons other than (1) it appears to be technically, infeasible or inappropriate (NF) or (2) there is a lack of technical, information (IN). Reasons for this conclusion may be the status of, closure at the facility, the degree of risk, timing considerations, the status of corrective action work at the facility, or other, administrative considerations
NAICS Code(s):	92811
	National Security
Original schedule date:	19930408
Schedule end date:	Not reported

EPA ID:	CA0170024491
EPA Region:	9
Area Name:	ENTIRE FACILITY
Actual Date:	20041108
Action:	CA725YE - Current Human Exposures Under Control, Yes, Current Human Exposures Under Control has been verified
NAICS Code(s):	92811
	National Security
Original schedule date:	20041108
Schedule end date:	Not reported

EPA ID:	CA0170024491
EPA Region:	9
Area Name:	ENTIRE FACILITY
Actual Date:	20010309
Action:	CA750NO - Migration of Contaminated Groundwater under Control, Unacceptable migration of contaminated groundwater is observed or expected
NAICS Code(s):	92811
	National Security
Original schedule date:	20010309
Schedule end date:	Not reported

EPA ID:	CA0170024491
EPA Region:	9
Area Name:	ENTIRE FACILITY

SEAL BEACH NAVAL WEAPONS STN (Continued) **1015757242**

Actual Date: 20010309
Action: CA725NO - Current Human Exposures Under Control, Current human exposures are NOT under control
NAICS Code(s): 92811
National Security
Original schedule date: 20010309
Schedule end date: Not reported

EPA ID: CA0170024491
EPA Region: 9
Area Name: OPERABLE UNIT 1
Actual Date: 20080724
Action: CA750YE - Migration of Contaminated Groundwater under Control, Yes, Migration of Contaminated Groundwater Under Control has been verified
NAICS Code(s): 92811
National Security
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CA0170024491
EPA Region: 9
Area Name: OPERABLE UNIT 5
Actual Date: 20080724
Action: CA750YE - Migration of Contaminated Groundwater under Control, Yes, Migration of Contaminated Groundwater Under Control has been verified
NAICS Code(s): 92811
National Security
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CA0170024491
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 20080724
Action: CA750YE - Migration of Contaminated Groundwater under Control, Yes, Migration of Contaminated Groundwater Under Control has been verified
NAICS Code(s): 92811
National Security
Original schedule date: 20080724
Schedule end date: Not reported

EPA ID: CA0170024491
EPA Region: 9
Area Name: OPERABLE UNIT 5
Actual Date: 19910924
Action: CA600SR - Stabilization Measures Implemented, Primary measure is source removal and/or treatment
NAICS Code(s): 92811
National Security
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CA0170024491
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 19890330
Action: CA070YE - RFA Determination Of Need For An RFI, RFI is Necessary

SEAL BEACH NAVAL WEAPONS STN (Continued) **1015757242**

NAICS Code(s): 92811
National Security
Original schedule date: 19890330
Schedule end date: Not reported

EPA ID: CA0170024491
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 19890330
Action: CA050 - RFA Completed
NAICS Code(s): 92811
National Security
Original schedule date: 19890330
Schedule end date: Not reported

RCRA-TSDF:
Date form received by agency: 03/01/2014
Facility name: NAVAL WEAPONS STATION SEAL BEACH
Facility address: 800 SEAL BEACH BLVD
SEAL BEACH, CA 90740
EPA ID: CA0170024491
Mailing address: SEAL BEACH BLVD, B230
SEAL BEACH, CA 90740
Contact: JEFF MCGOVERN
Contact address: SEAL BEACH BLVD, B230
SEAL BEACH, CA 90740
Contact country: Not reported
Contact telephone: (562) 626-6070
Telephone ext.: 6070
Contact email: JEFF.MCGOVERN@NAVY.MIL
EPA Region: 09
Land type: Federal
Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste
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: US NAVY
Owner/operator address: SEAL BEACH BLVD
SEAL BEACH, CA 90740
Owner/operator country: Not reported
Owner/operator telephone: (562) 626-7776
Legal status: Federal

SEAL BEACH NAVAL WEAPONS STN (Continued) **1015757242**

Owner/Operator Type: Owner
Owner/Op start date: 01/01/1944
Owner/Op end date: Not reported

Owner/operator name: US NAVY
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Federal
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1944
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: D003
. Waste name: REACTIVE WASTE

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D018
. Waste name: BENZENE

SEAL BEACH NAVAL WEAPONS STN (Continued) **1015757242**

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

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

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

Historical Generators:
Date form received by agency: 11/05/2012
Site name: NAVAL WEAPONS STATION SEAL BEACH
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

SEAL BEACH NAVAL WEAPONS STN (Continued) **1015757242**

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D011
. Waste name: SILVER

. Waste code: D018
. Waste name: BENZENE

. Waste code: D027
. Waste name: 1,4-DICHLOROBENZENE

. Waste code: D028
. Waste name: 1,2-DICHLOROETHANE

. Waste code: D029
. Waste name: 1,1-DICHLOROETHYLENE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

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

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

. Waste code: F004
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: CRESOLS, CRESYLIC ACID, AND NITROBENZENE; AND THE STILL BOTTOMS FROM THE RECOVERY OF THESE SOLVENTS; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND

SEAL BEACH NAVAL WEAPONS STN (Continued) **1015757242**

SPENT SOLVENT MIXTURES.

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

. Waste code: P098
. Waste name: POTASSIUM CYANIDE (OR) POTASSIUM CYANIDE K(CN)

. Waste code: U002
. Waste name: 2-PROPANONE (I) (OR) ACETONE (I)

. Waste code: U188
. Waste name: PHENOL

Date form received by agency: 03/02/2010
Site name: NAVAL WEAPONS STATION SEAL BEACH
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D011
. Waste name: SILVER

SEAL BEACH NAVAL WEAPONS STN (Continued) **1015757242**

. Waste code: D015
. Waste name: TOXAPHENE (C10 H10 CL8, TECHNICAL CHLORINATED CAMPHENE, 67-69 PERCENT CHLORINE)

. Waste code: D018
. Waste name: BENZENE

. Waste code: D020
. Waste name: CHLORDANE

. Waste code: D022
. Waste name: CHLOROFORM

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: D038
. Waste name: PYRIDINE

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

. Waste code: D040
. Waste name: TRICHLORETHYLENE

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

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

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

SEAL BEACH NAVAL WEAPONS STN (Continued) **1015757242**

. Waste code: P022
. Waste name: CARBON DISULFIDE

. Waste code: P098
. Waste name: POTASSIUM CYANIDE (OR) POTASSIUM CYANIDE K(CN)

. Waste code: P105
. Waste name: SODIUM AZIDE

. Waste code: P106
. Waste name: SODIUM CYANIDE (OR) SODIUM CYANIDE NA(CN)

. Waste code: P120
. Waste name: VANADIUM OXIDE V2O5 (OR) VANADIUM PENTOXIDE

. Waste code: P123
. Waste name: TOXAPHENE

. Waste code: U002
. Waste name: 2-PROPANONE (I) (OR) ACETONE (I)

. Waste code: U003
. Waste name: ACETONITRILE (I,T)

. Waste code: U019
. Waste name: BENZENE (I,T)

. Waste code: U031
. Waste name: 1-BUTANOL (I) (OR) N-BUTYL ALCOHOL (I)

. Waste code: U036
. Waste name: 4,7-METHANO-1H-INDENE,
1,2,4,5,6,7,8,8-OCTACHLORO-2,3,3A,4,7,7A-HEXAHYDRO- (OR) CHLORDANE,
ALPHA & GAMMA ISOMERS

. Waste code: U044
. Waste name: CHLOROFORM (OR) METHANE, TRICHLORO-

. Waste code: U069
. Waste name: 1,2-BENZENEDICARBOXYLIC ACID, DIBUTYL ESTER (OR) DIBUTYL PHTHALATE

. Waste code: U077
. Waste name: ETHANE, 1,2-DICHLORO- (OR) ETHYLENE DICHLORIDE

. Waste code: U108
. Waste name: 1,4-DIETHYLENEOXIDE (OR) 1,4-DIOXANE

. Waste code: U112
. Waste name: ACETIC ACID, ETHYL ESTER (I) (OR) ETHYL ACETATE (I)

. Waste code: U122
. Waste name: FORMALDEHYDE

. Waste code: U138
. Waste name: METHANE, IODO- (OR) METHYL IODIDE

. Waste code: U144

SEAL BEACH NAVAL WEAPONS STN (Continued) **1015757242**

. Waste name: ACETIC ACID, LEAD(2+) SALT (OR) LEAD ACETATE

. Waste code: U154
. Waste name: METHANOL (I) (OR) METHYL ALCOHOL (I)

. Waste code: U169
. Waste name: BENZENE, NITRO- (OR) NITROBENZENE (I,T)

. Waste code: U196
. Waste name: PYRIDINE

. Waste code: U226
. Waste name: ETHANE, 1,1,1-TRICHLORO- (OR) METHYL CHLOROFORM

Date form received by agency: 02/28/2008
Site name: NAVAL WEAPONS STATION SEAL BEACH
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D011
. Waste name: SILVER

. Waste code: D018
. Waste name: BENZENE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

SEAL BEACH NAVAL WEAPONS STN (Continued) **1015757242**

. Waste code: D040
. Waste name: TRICHLORETHYLENE

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

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

. Waste code: F004
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: CRESOLS, CRESYLIC ACID, AND NITROBENZENE; AND THE STILL BOTTOMS FROM THE RECOVERY OF THESE SOLVENTS; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

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

. Waste code: LABP
. Waste name: LAB PACK

Date form received by agency: 02/28/2006
Site name: NAVAL WEAPONS STATION SEAL BEACH
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

SEAL BEACH NAVAL WEAPONS STN (Continued) **1015757242**

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D011
. Waste name: SILVER

. Waste code: D018
. Waste name: BENZENE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

. Waste code: D040
. Waste name: TRICHLORETHYLENE

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

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

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS

SEAL BEACH NAVAL WEAPONS STN (Continued) **1015757242**

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

. Waste code: F004
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: CRESOLS, CRESYLIC ACID, AND NITROBENZENE; AND THE STILL BOTTOMS FROM THE RECOVERY OF THESE SOLVENTS; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

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

Date form received by agency: 03/01/2004
Site name: NAVAL WEAPONS STATION SEAL BEACH
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D011
. Waste name: SILVER

. Waste code: D018
. Waste name: BENZENE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

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. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

. Waste code: D040
. Waste name: TRICHLORETHYLENE

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

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

. Waste code: F004
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: CRESOLS, CRESYLIC ACID, AND NITROBENZENE; AND THE STILL BOTTOMS FROM THE RECOVERY OF THESE SOLVENTS; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

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

. Waste code: U135
. Waste name: HYDROGEN SULFIDE (OR) HYDROGEN SULFIDE H2S

Date form received by agency: 02/27/2002
Site name: USNAVY WEAPONS STATION SEAL BEACH
Classification: Large Quantity Generator

Date form received by agency: 10/12/2000
Site name: NAVAL WEAPONS STATION, SEAL BEACH
Classification: Large Quantity Generator

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Date form received by agency: 03/04/1999
Site name: WEAPONS SUPPORT FACILITY, SEAL BEACH
Classification: Large Quantity Generator

Date form received by agency: 09/01/1996
Site name: USNAVY NAVAL WEAPONS STATION/SDF
Classification: Large Quantity Generator

Date form received by agency: 02/29/1996
Site name: USNAVY WEAPONS STATION
Classification: Large Quantity Generator

Date form received by agency: 03/30/1994
Site name: USNAVY NAVAL WEAPONS STN SEAL BEACH
Classification: Large Quantity Generator

Date form received by agency: 02/25/1992
Site name: NAVAL WEAPONS STATION/SEAL BEACH
Classification: Large Quantity Generator

Date form received by agency: 04/23/1990
Site name: NAVAL WEAPONS STATION-SEAL BEACH
Classification: Large Quantity Generator

Date form received by agency: 08/18/1980
Site name: USNAVY NAVAL WEAPONS STATION/SDF
Classification: Large Quantity Generator

Biennial Reports:

Last Biennial Reporting Year: 2013

Annual Waste Handled:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Amount (Lbs): 6411

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
Amount (Lbs): 849

Waste code: D003
Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE

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OF SUCH WASTE WOULD BY WASTE GUNPOWDER.
Amount (Lbs): 7

Waste code: D004
Waste name: ARSENIC
Amount (Lbs): 98

Waste code: D005
Waste name: BARIUM
Amount (Lbs): 15518

Waste code: D006
Waste name: CADMIUM
Amount (Lbs): 35587

Waste code: D007
Waste name: CHROMIUM
Amount (Lbs): 53064

Waste code: D008
Waste name: LEAD
Amount (Lbs): 36008

Waste code: D009
Waste name: MERCURY
Amount (Lbs): 51

Waste code: D010
Waste name: SELENIUM
Amount (Lbs): 7365

Waste code: D011
Waste name: SILVER
Amount (Lbs): 7638

Waste code: D018
Waste name: BENZENE
Amount (Lbs): 6668

Waste code: D027
Waste name: 1,4-DICHLOROBENZENE
Amount (Lbs): 3

Waste code: D028
Waste name: 1,2-DICHLOROETHANE
Amount (Lbs): 3

Waste code: D029
Waste name: 1,1-DICHLOROETHYLENE
Amount (Lbs): 3

Waste code: D035
Waste name: METHYL ETHYL KETONE
Amount (Lbs): 45

Waste code: F002
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE,

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

Amount (Lbs): 13446

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 13446

Waste code: F004
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: CRESOLS AND CRESYLIC ACID, AND NITROBENZENE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 31

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 13446

Waste code: P098
Waste name: POTASSIUM CYANIDE
Amount (Lbs): 2

Waste code: U002
Waste name: ACETONE (I)
Amount (Lbs): 6

Waste code: U188
Waste name: PHENOL
Amount (Lbs): 3

Corrective Action Summary:
Event date: 06/01/1987

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Event: CA029ST

Event date: 06/01/1987
Event: CA049PA

Event date: 03/30/1989
Event: RFA Completed

Event date: 03/30/1989
Event: RFA Completed, Assessment was an RFA.

Event date: 03/30/1989
Event: RFA Determination Of Need For An RFI, RFI is Necessary;

Event date: 06/14/1990
Event: CA049SI

Event date: 09/24/1991
Event: CMS Imposition

Event date: 09/24/1991
Event: Stabilization Measures Implemented, Primary measure is source removal and/or treatment (e.g., soil or waste excavation, in-situ soil treatment, off-site treatment).

Event date: 09/24/1991
Event: RFI Imposition

Event date: 01/14/1993
Event: CA Prioritization, Facility or area was assigned a high corrective action priority.

Event date: 04/08/1993
Event: Stabilization Measures Evaluation,This facility is not amenable to stabilization activity at the present time for reasons other than 1- it appears to be technically infeasible or inappropriate (NF) or 2- there is a lack of technical information (IN). Reasons for this conclusion may be the status of closure at the facility, the degree of risk, timing considerations, the status of corrective action work at the facility, or other administrative considerations.

Event date: 04/08/1993
Event: Stabilization Measures Evaluation,This facility is not amenable to stabilization activity at the present time for reasons other than 1- it appears to be technically infeasible or inappropriate (NF) or 2- there is a lack of technical information (IN). Reasons for this conclusion may be the status of closure at the facility, the degree of risk, timing considerations, the status of corrective action work at the facility, or other administrative considerations.

Event date: 08/03/1993
Event: RFI Workplan Approved

Event date: 08/03/1993
Event: CMS Workplan Approved

Event date: 05/01/1998

SEAL BEACH NAVAL WEAPONS STN (Continued) **1015757242**

Event: Stabilization Construction Completed

Event date: 06/04/1998
Event: Igration of Contaminated Groundwater under Control, Unacceptable migration of contaminated groundwater is observed or expected.

Event date: 06/04/1998
Event: Current Human Exposures under Control, Current human exposures are NOT under control.

Event date: 06/04/1998
Event: CA Responsibility Referred To A Non-RCRA Federal Authority

Event date: 03/09/2001
Event: Current Human Exposures under Control, Current human exposures are NOT under control.

Event date: 03/09/2001
Event: Current Human Exposures under Control, Current human exposures are NOT under control.

Event date: 03/09/2001
Event: Igration of Contaminated Groundwater under Control, Unacceptable migration of contaminated groundwater is observed or expected.

Event date: 03/09/2001
Event: Igration of Contaminated Groundwater under Control, Unacceptable migration of contaminated groundwater is observed or expected.

Event date: 11/08/2004
Event: Current Human Exposures under Control, Yes, Current Human Exposures Under Control has been verified. Based on a review of information contained in the EI determination, current human exposures are expected to be under control at the facility under current and reasonably expected conditions. This determination will be re-evaluated when the Agency/State becomes aware of significant changes at the facility.

Event date: 11/08/2004
Event: Current Human Exposures under Control, Yes, Current Human Exposures Under Control has been verified. Based on a review of information contained in the EI determination, current human exposures are expected to be under control at the facility under current and reasonably expected conditions. This determination will be re-evaluated when the Agency/State becomes aware of significant changes at the facility.

Event date: 07/24/2008
Event: Igration of Contaminated Groundwater under Control, Yes, Migration of Contaminated Groundwater Under Control has been verified. Based on a review of information contained in the EI determination, it has been determined that migration of contaminated groundwater is under control at the facility. Specifically, this determination indicates that the migration of contaminated groundwater is under control, and that monitoring will be conducted to confirm that contaminated groundwater remains within the existing area of contaminated groundwater. This determination will be re-evaluated when the Agency becomes aware of

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significant changes at the facility.

Event date: 07/24/2008
Event: Igration of Contaminated Groundwater under Control, Yes, Migration of Contaminated Groundwater Under Control has been verified. Based on a review of information contained in the EI determination, it has been determined that migration of contaminated groundwater is under control at the facility. Specifically, this determination indicates that the migration of contaminated groundwater is under control, and that monitoring will be conducted to confirm that contaminated groundwater remains within the existing area of contaminated groundwater. This determination will be re-evaluated when the Agency becomes aware of significant changes at the facility.

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 01/11/2010
Date achieved compliance: 03/23/2010
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: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 05/11/2000
Date achieved compliance: 06/08/2000
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/12/2000
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 270
Area of violation: TSD - General
Date violation determined: 08/27/1997
Date achieved compliance: 11/20/1997
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/27/1997
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

SEAL BEACH NAVAL WEAPONS STN (Continued) **1015757242**

Regulation violated: F - 264.10-18.B
Area of violation: TSD - General
Date violation determined: 08/27/1997
Date achieved compliance: 08/27/1997
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/27/1997
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.10-18.B
Area of violation: TSD - General
Date violation determined: 09/09/1996
Date achieved compliance: 10/15/1996
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/09/1996
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 262.30-34.C
Area of violation: Generators - General
Date violation determined: 09/09/1996
Date achieved compliance: 10/15/1996
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/09/1996
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.50-60
Area of violation: Generators - General
Date violation determined: 11/29/1995
Date achieved compliance: 11/29/1995
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/29/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.50-60

SEAL BEACH NAVAL WEAPONS STN (Continued) **1015757242**

Area of violation: Generators - General
Date violation determined: 06/19/1995
Date achieved compliance: 06/19/1995
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/19/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.50-60
Area of violation: Generators - General
Date violation determined: 01/28/1994
Date achieved compliance: 06/30/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/28/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 01/28/1994
Date achieved compliance: 06/30/1995
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/28/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268.7
Area of violation: LDR - General
Date violation determined: 01/28/1994
Date achieved compliance: 06/30/1995
Violation lead agency: State
Enforcement action: REFERRAL TO ATTORNEY GENERAL
Enforcement action date: 04/29/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.40-43.D
Area of violation: Generators - General

SEAL BEACH NAVAL WEAPONS STN (Continued) **1015757242**

Date violation determined: 01/28/1994
Date achieved compliance: 06/30/1995
Violation lead agency: State
Enforcement action: INITIAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement action date: 04/29/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.50-56.D
Area of violation: TSD - General
Date violation determined: 01/28/1994
Date achieved compliance: 06/30/1995
Violation lead agency: State
Enforcement action: INITIAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement action date: 04/29/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.50-60
Area of violation: Generators - General
Date violation determined: 01/28/1994
Date achieved compliance: 06/30/1994
Violation lead agency: State
Enforcement action: REFERRAL TO ATTORNEY GENERAL
Enforcement action date: 04/29/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.20-23.B
Area of violation: Generators - General
Date violation determined: 01/28/1994
Date achieved compliance: 06/30/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/28/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.20-23.B
Area of violation: Generators - General
Date violation determined: 01/28/1994

SEAL BEACH NAVAL WEAPONS STN (Continued) **1015757242**

Date achieved compliance: 06/30/1994
Violation lead agency: State
Enforcement action: REFERRAL TO ATTORNEY GENERAL
Enforcement action date: 04/29/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.50-56.D
Area of violation: TSD - General
Date violation determined: 01/28/1994
Date achieved compliance: 06/30/1995
Violation lead agency: State
Enforcement action: REFERRAL TO ATTORNEY GENERAL
Enforcement action date: 04/29/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.50-56.D
Area of violation: TSD - General
Date violation determined: 01/28/1994
Date achieved compliance: 06/30/1995
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/28/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268.7
Area of violation: LDR - General
Date violation determined: 01/28/1994
Date achieved compliance: 06/30/1995
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/28/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 01/28/1994
Date achieved compliance: 06/30/1995

SEAL BEACH NAVAL WEAPONS STN (Continued) **1015757242**

Violation lead agency: State
Enforcement action: INITIAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement action date: 04/29/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.30-34.C
Area of violation: Generators - General
Date violation determined: 01/28/1994
Date achieved compliance: 06/30/1994
Violation lead agency: State
Enforcement action: REFERRAL TO ATTORNEY GENERAL
Enforcement action date: 04/29/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.30-34.C
Area of violation: Generators - General
Date violation determined: 01/28/1994
Date achieved compliance: 06/30/1994
Violation lead agency: State
Enforcement action: INITIAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement action date: 04/29/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.40-43.D
Area of violation: Generators - General
Date violation determined: 01/28/1994
Date achieved compliance: 06/30/1995
Violation lead agency: State
Enforcement action: REFERRAL TO ATTORNEY GENERAL
Enforcement action date: 04/29/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.30-34.C
Area of violation: Generators - General
Date violation determined: 01/28/1994
Date achieved compliance: 06/30/1994
Violation lead agency: State

SEAL BEACH NAVAL WEAPONS STN (Continued) **1015757242**

Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/28/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268.7
Area of violation: LDR - General
Date violation determined: 01/28/1994
Date achieved compliance: 06/30/1995
Violation lead agency: State
Enforcement action: INITIAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement action date: 04/29/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.20-23.B
Area of violation: Generators - General
Date violation determined: 01/28/1994
Date achieved compliance: 06/30/1994
Violation lead agency: State
Enforcement action: INITIAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement action date: 04/29/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.40-43.D
Area of violation: Generators - General
Date violation determined: 01/28/1994
Date achieved compliance: 06/30/1995
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/28/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 01/28/1994
Date achieved compliance: 06/30/1995
Violation lead agency: State
Enforcement action: REFERRAL TO ATTORNEY GENERAL

SEAL BEACH NAVAL WEAPONS STN (Continued) **1015757242**

Enforcement action date: 04/29/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.50-60
Area of violation: Generators - General
Date violation determined: 01/28/1994
Date achieved compliance: 06/30/1994
Violation lead agency: State
Enforcement action: INITIAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement action date: 04/29/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.70-77.E
Area of violation: TSD - General
Date violation determined: 01/29/1992
Date achieved compliance: 08/24/1994
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 04/30/1992
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268 ALL
Area of violation: LDR - General
Date violation determined: 01/29/1992
Date achieved compliance: 08/24/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/29/1992
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.70-77.E
Area of violation: TSD - General
Date violation determined: 01/29/1992
Date achieved compliance: 08/24/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/29/1992

SEAL BEACH NAVAL WEAPONS STN (Continued) **1015757242**

Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 01/29/1992
Date achieved compliance: 08/24/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/29/1992
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 01/29/1992
Date achieved compliance: 08/24/1994
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 04/30/1992
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268 ALL
Area of violation: LDR - General
Date violation determined: 01/29/1992
Date achieved compliance: 08/24/1994
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 04/30/1992
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 02/25/1991
Date achieved compliance: 06/06/1991
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/06/1991
Enf. disposition status: Not reported

SEAL BEACH NAVAL WEAPONS STN (Continued) **1015757242**

Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 12/05/1989
Date achieved compliance: 04/15/1990
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/10/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268.7
Area of violation: LDR - General
Date violation determined: 12/05/1989
Date achieved compliance: 04/15/1990
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/10/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268 ALL
Area of violation: LDR - General
Date violation determined: 12/05/1989
Date achieved compliance: 04/15/1990
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/10/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 03/31/1988
Date achieved compliance: 10/21/1988
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported

SEAL BEACH NAVAL WEAPONS STN (Continued) **1015757242**

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

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 03/31/1988
Date achieved compliance: 10/21/1988
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/20/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 03/31/1988
Date achieved compliance: 10/21/1988
Violation lead agency: EPA
Enforcement action: STATE TO EPA ADMINISTRATIVE REFERRAL
Enforcement action date: 06/16/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 06/19/1987
Date achieved compliance: 09/14/1987
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/11/1987
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 06/11/2012
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/11/2010
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General

SEAL BEACH NAVAL WEAPONS STN (Continued) **1015757242**

Date achieved compliance: 03/23/2010
Evaluation lead agency: State

Evaluation date: 11/03/2005
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 10/31/2005
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 04/24/2002
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/07/2001
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/11/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: 06/08/2000
Evaluation lead agency: State

Evaluation date: 01/26/1999
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/18/1998
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/26/1997
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 08/27/1997
Evaluation lead agency: State

Evaluation date: 08/26/1997
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 11/20/1997
Evaluation lead agency: State

SEAL BEACH NAVAL WEAPONS STN (Continued) **1015757242**

Evaluation date: 03/25/1997
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/09/1996
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 10/15/1996
Evaluation lead agency: State

Evaluation date: 09/09/1996
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 10/15/1996
Evaluation lead agency: State

Evaluation date: 04/26/1996
Evaluation: FOLLOW-UP INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/22/1996
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/29/1995
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 11/29/1995
Evaluation lead agency: State

Evaluation date: 06/19/1995
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 06/19/1995
Evaluation lead agency: State

Evaluation date: 08/16/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/15/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 06/30/1994
Evaluation lead agency: State

Evaluation date: 12/15/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General

SEAL BEACH NAVAL WEAPONS STN (Continued) **1015757242**

Date achieved compliance: 06/30/1995
Evaluation lead agency: State

Evaluation date: 12/15/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 06/30/1995
Evaluation lead agency: State

Evaluation date: 12/15/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 06/30/1995
Evaluation lead agency: State

Evaluation date: 11/24/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/17/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 08/24/1994
Evaluation lead agency: State

Evaluation date: 12/17/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 08/24/1994
Evaluation lead agency: State

Evaluation date: 02/25/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 06/06/1991
Evaluation lead agency: EPA

Evaluation date: 12/05/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 04/15/1990
Evaluation lead agency: EPA

Evaluation date: 12/05/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 04/15/1990
Evaluation lead agency: EPA

Evaluation date: 03/31/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 10/21/1988
Evaluation lead agency: EPA

SEAL BEACH NAVAL WEAPONS STN (Continued) **1015757242**

Evaluation date:	06/19/1987
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	TSD - General
Date achieved compliance:	09/14/1987
Evaluation lead agency:	State

2020 COR ACTION:

EPA ID:	CA0170024491
Region:	9
Action:	Not reported

PADS:

EPAID:	CA0170024491
Facility name:	SEAL BEACH NAVAL WEAPONS STN
Facility Address:	CODE 0923 SEAL BEACH, CA 90740
Facility country:	US
Generator:	Yes
Storer:	No
Transporter:	No
Disposer:	No
Research facility:	No
Smelter:	No
Facility owner name:	US NAVY
Contact title:	Not reported
Contact name:	VANCLEEF BEVERLEY
Contact tel:	(213)594-7655
Contact extension:	Not reported
Mailing address:	CODE 0923 SEAL BEACH, CA 90740
Mailing country:	US
Cert. title:	Not reported
Cert. name:	Not reported
Cert. date:	04/03/1990
Date received:	04/04/1990

NY MANIFEST:

EPA ID:	CA0170024491
Country:	USA
Location Address 1:	NAVAL WEAPONS STA CTR
Location Address 2:	Not reported
Location City:	SEAL BEACH
Location State:	CA
Location Zip Code:	90740
Location Zip Code 4:	Not reported

Mailing Info:

Name:	UNITED STATES MILITARY
Contact:	LARRY LAITY
Address:	NAVAL WEAPONS STA CTR
City/State/Zip:	SEAL BEACH CODE 0923, CA 90740
Country:	USA
Phone:	000-000-0000

Manifest:

Document ID:	NYB4498686

SEAL BEACH NAVAL WEAPONS STN (Continued) **1015757242**

Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	ILS09919S
Trans2 State ID:	Not reported
Generator Ship Date:	03/18/1992
Trans1 Recv Date:	03/18/1992
Trans2 Recv Date:	/ /
TSD Site Recv Date:	04/27/1992
Part A Recv Date:	05/22/1992
Part B Recv Date:	06/08/1992
Generator EPA ID:	CA0170024491
Trans1 EPA ID:	ILD099202681
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049836679
Waste Code:	B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity:	00231
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Waste Code:	B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity:	00770
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	1992

N67 **NAVAL WEAPONS STATION SEAL BEACH** **CA ENVIROSTOR** **S104564862**
SE **800 SEAL BEACH BLVD. CODE 045** **N/A**
1/2-1 **SEAL BEACH, CA 90740**
0.910 mi.
4804 ft. **Site 2 of 3 in cluster N**

Relative:
Higher

Actual:
44 ft.

ENVIROSTOR:

Facility ID:	80001234
Status:	Refer: SMBRP
Status Date:	12/23/2010
Site Code:	400136
Site Type:	Corrective Action
Site Type Detailed:	Corrective Action
Acres:	0
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	MBR
Program Manager:	Stephen Niou
Supervisor:	Robert Senga
Division Branch:	Cleanup Cypress
Assembly:	72
Senate:	34
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	33.74235
Longitude:	-118.0943
APN:	NONE SPECIFIED

NAVAL WEAPONS STATION SEAL BEACH (Continued) **S104564862**

Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CA0170024491
Alias Type: EPA Identification Number
Alias Name: T10000005653
Alias Type: GeoTracker Global ID
Alias Name: 400136
Alias Type: Project Code (Site Code)
Alias Name: 80001234
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RCRA Facility Assessment Report
Completed Date: 03/30/1989
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Questionnaire
Completed Date: 04/08/1993
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Agreement
Completed Date: 09/24/1991
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Groundwater Migration Controlled
Completed Date: 03/09/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Groundwater Migration Controlled
Completed Date: 07/24/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Human Exposure Controlled
Completed Date: 03/09/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Human Exposure Controlled
Completed Date: 11/08/2004
Comments: Not reported

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

NAVAL WEAPONS STATION SEAL BEACH (Continued) **S104564862**

Completed Document Type: Preliminary Assessment Report
Completed Date: 06/14/1990
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 06/01/1987
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: OPERABLE UNIT 1
Completed Document Type: RFI Workplan
Completed Date: 08/03/1993
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: OPERABLE UNIT 1
Completed Document Type: Corrective Measures Study Workplan
Completed Date: 08/03/1993
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: OPERABLE UNIT 5
Completed Document Type: Interim Measures Workplan
Completed Date: 09/24/1991
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: OPERABLE UNIT 5
Completed Document Type: Interim Measures Implementation Report
Completed Date: 05/01/1998
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 11/01/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 08/01/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 08/01/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 11/01/2003
Comments: Not reported

NAVAL WEAPONS STATION SEAL BEACH (Continued) **S104564862**

Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Remedy Constructed
Future Due Date:	2016
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

N68 SE 1/2-1 0.910 mi. 4804 ft. | **NAVAL WEAPONS STATION SEAL BEACH** | **CA HAZNET** | **S112836375**
800 SEAL BEACH BLVD. CODE 045 | **CA HWP** | **N/A**
SEAL BEACH, CA 90740

Site 3 of 3 in cluster N

Relative: Higher

Actual: 44 ft.

HAZNET:

envid:	S112836375
Year:	2014
GEPAID:	CA0170024491
Contact:	JEFF MCGOVERN
Telephone:	5626266070
Mailing Name:	Not reported
Mailing Address:	800 SEAL BEACH BLVD B230 N45
Mailing City,St,Zip:	SEAL BEACH, CA 907405000
Gen County:	Orange
TSD EPA ID:	NVT330010000
TSD County:	99
Waste Category:	Other inorganic solid waste
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	8.74
Cat Decode:	Other inorganic solid waste
Method Decode:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Facility County:	Orange

envid:	S112836375
Year:	2014
GEPAID:	CA0170024491
Contact:	JEFF MCGOVERN
Telephone:	5626266070
Mailing Name:	Not reported
Mailing Address:	800 SEAL BEACH BLVD B230 N45
Mailing City,St,Zip:	SEAL BEACH, CA 907405000
Gen County:	Orange
TSD EPA ID:	NVT330010000
TSD County:	99
Waste Category:	Not reported
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.1225
Cat Decode:	Not reported
Method Decode:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Facility County:	Orange

envid: S112836375

NAVAL WEAPONS STATION SEAL BEACH (Continued) **S112836375**

Year:	2014
GEPAID:	CA0170024491
Contact:	JEFF MCGOVERN
Telephone:	5626266070
Mailing Name:	Not reported
Mailing Address:	800 SEAL BEACH BLVD B230 N45
Mailing City,St,Zip:	SEAL BEACH, CA 907405000
Gen County:	Orange
TSD EPA ID:	NVT330010000
TSD County:	99
Waste Category:	Liquids with pH <= 2
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.192
Cat Decode:	Liquids with pH <= 2
Method Decode:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County:	Orange

envid:	S112836375
Year:	2014
GEPAID:	CA0170024491
Contact:	JEFF MCGOVERN
Telephone:	5626266070
Mailing Name:	Not reported
Mailing Address:	800 SEAL BEACH BLVD B230 N45
Mailing City,St,Zip:	SEAL BEACH, CA 907405000
Gen County:	Orange
TSD EPA ID:	NVT330010000
TSD County:	99
Waste Category:	Laboratory waste chemicals
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0485
Cat Decode:	Laboratory waste chemicals
Method Decode:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County:	Orange

envid:	S112836375
Year:	2014
GEPAID:	CA0170024491
Contact:	JEFF MCGOVERN
Telephone:	5626266070
Mailing Name:	Not reported
Mailing Address:	800 SEAL BEACH BLVD B230 N45
Mailing City,St,Zip:	SEAL BEACH, CA 907405000
Gen County:	Orange
TSD EPA ID:	NVT330010000
TSD County:	99
Waste Category:	Unspecified organic liquid mixture
Disposal Method:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.088
Cat Decode:	Unspecified organic liquid mixture
Method Decode:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect

NAVAL WEAPONS STATION SEAL BEACH (Continued) **S112836375**

Facility County: Orange

Click this hyperlink while viewing on your computer to access
2074 additional CA_HAZNET: record(s) in the EDR Site Report.

HWP:

EPA Id:	CA0170024491
Cleanup Status:	CLOSED
Latitude:	33.74235
Longitude:	-118.0943
Facility Type:	Historical - Non-Operating
Facility Size:	Not reported
Team:	Not reported
Supervisor:	Not reported
Site Code:	400136
Assembly District:	72
Senate District:	34
Public Information Officer:	Not reported

Activities:

EPA Id:	CA0170024491
Facility Type:	Historical - Non-Operating
Unit Names:	01(BLDG38)- Container Storage (GPRA Unit), 02(BLDG128) - Tank Storage (GPRA Unit)
Event Description:	Renewal - With Changes - CALL-IN LETTER ISSUED
Actual Date:	11/15/1990
EPA Id:	CA0170024491
Facility Type:	Historical - Non-Operating
Unit Names:	02(BLDG128) - Tank Storage (GPRA Unit)
Event Description:	New Operating Permit - FINAL PERMIT (EFFECTIVE)
Actual Date:	08/19/1983
EPA Id:	CA0170024491
Facility Type:	Historical - Non-Operating
Unit Names:	01(BLDG38)- Container Storage (GPRA Unit), 02(BLDG128) - Tank Storage (GPRA Unit)
Event Description:	Renewal - With Changes - FINAL PERMIT RENEWAL
Actual Date:	03/25/1986
EPA Id:	CA0170024491
Facility Type:	Historical - Non-Operating
Unit Names:	02(BLDG128) - Tank Storage (GPRA Unit)
Event Description:	New Operating Permit - APPLICATION PART B RECEIVED
Actual Date:	03/07/1983
EPA Id:	CA0170024491
Facility Type:	Historical - Non-Operating
Unit Names:	02(BLDG128) - Tank Storage (GPRA Unit)
Event Description:	New Operating Permit - PUBLIC COMMENT (END)
Actual Date:	06/30/1983
EPA Id:	CA0170024491
Facility Type:	Historical - Non-Operating
Unit Names:	02(BLDG128) - Tank Storage (GPRA Unit)
Event Description:	New Operating Permit - FINAL PERMIT
Actual Date:	08/19/1983

NAVAL WEAPONS STATION SEAL BEACH (Continued) **S112836375**

EPA Id: CA0170024491
Facility Type: Historical - Non-Operating
Unit Names: 02(BLDG128) - Tank Storage (GPRA Unit)
Event Description: New Operating Permit - DRAFT PERMIT
Actual Date: 05/16/1983

EPA Id: CA0170024491
Facility Type: Historical - Non-Operating
Unit Names: 01(BLDG38)- Container Storage (GPRA Unit), 02(BLDG128) - Tank Storage (GPRA Unit)
Event Description: Renewal - With Changes - FINAL PERMIT RENEWAL (EXPIRES)
Actual Date: 03/25/1991

EPA Id: CA0170024491
Facility Type: Historical - Non-Operating
Unit Names: 02(BLDG128) - Tank Storage (GPRA Unit)
Event Description: New Operating Permit - CALL-IN LETTER ISSUED
Actual Date: 09/02/1981

EPA Id: CA0170024491
Facility Type: Historical - Non-Operating
Unit Names: 02(BLDG128) - Tank Storage (GPRA Unit)
Event Description: New Operating Permit - FINAL PART A & PART B RECEIVED
Actual Date: 04/16/1983

EPA Id: CA0170024491
Facility Type: Historical - Non-Operating
Unit Names: 02(BLDG128) - Tank Storage (GPRA Unit)
Event Description: New Operating Permit - PUBLIC COMMENT (BEGIN)
Actual Date: 05/16/1983

EPA Id: CA0170024491
Facility Type: Historical - Non-Operating
Unit Names: 02(BLDG128) - Tank Storage (GPRA Unit)
Event Description: New Operating Permit - FINAL PERMIT (EXPIRES)
Actual Date: 08/16/1988

EPA Id: CA0170024491
Facility Type: Historical - Non-Operating
Unit Names: 01(BLDG38)- Container Storage (GPRA Unit), 02(BLDG128) - Tank Storage (GPRA Unit)
Event Description: Renewal - With Changes - FINAL PERMIT RENEWAL (EFFECTIVE)
Actual Date: 03/25/1986

Closure:
EPA Id: CA0170024491
Facility Type: Historical - Non-Operating
Unit Names: 01(BLDG38)- Container Storage (GPRA Unit), 02(BLDG128) - Tank Storage (GPRA Unit)
Event Description: Closure Final - ISSUE CLOSURE VERIFICATION
Actual Date: 05/07/2002

Alias:
EPA Id: CA0170024491
Facility Type: Historical - Non-Operating
Alias Type: Project Code (Site Code)

NAVAL WEAPONS STATION SEAL BEACH (Continued) **S112836375**

Alias: 400136

Count: 4 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
LONG BEACH	S107539816		ON EAST MARINA @ 2ND ST	90803	CA CDL
LONG BEACH	S107535929		710 FREEWAY & PACIFIC COAST HW		CA CDL
LONG BEACH	S111075831	CITY DUMP AND SALVAGE #2	7001-7199 PACIFIC COAST HIGHWA	90803	CA SWF/LF
SEAL BEACH	1003878683	DOW CHEMICAL CO SEAL BEACH PLT	PACIFIC COAST HWY	90740	SEMS-ARCHIVE

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

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

Date of Government Version: 10/30/2015
Date Data Arrived at EDR: 11/07/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 58

Source: EPA
Telephone: N/A
Last EDR Contact: 01/26/2016
Next Scheduled EDR Contact: 04/18/2016
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

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

Date of Government Version: 10/30/2015
Date Data Arrived at EDR: 11/07/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 58

Source: EPA
Telephone: N/A
Last EDR Contact: 01/26/2016
Next Scheduled EDR Contact: 04/18/2016
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

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

Date of Government Version: 10/30/2015	Source: EPA
Date Data Arrived at EDR: 11/07/2015	Telephone: N/A
Date Made Active in Reports: 01/04/2016	Last EDR Contact: 01/26/2016
Number of Days to Update: 58	Next Scheduled EDR Contact: 04/18/2016
	Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

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

Date of Government Version: 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: 01/06/2016
Number of Days to Update: 64	Next Scheduled EDR Contact: 04/18/2016
	Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 01/11/2016	Source: EPA
Date Data Arrived at EDR: 01/22/2016	Telephone: 800-424-9346
Date Made Active in Reports: 03/18/2016	Last EDR Contact: 02/19/2016
Number of Days to Update: 56	Next Scheduled EDR Contact: 06/06/2016
	Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

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

Date of Government Version: 01/11/2016
Date Data Arrived at EDR: 01/22/2016
Date Made Active in Reports: 03/18/2016
Number of Days to Update: 56

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 02/19/2016
Next Scheduled EDR Contact: 06/06/2016
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report
CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 06/09/2015
Date Data Arrived at EDR: 06/26/2015
Date Made Active in Reports: 09/16/2015
Number of Days to Update: 82

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 12/18/2015
Next Scheduled EDR Contact: 04/11/2016
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

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

Date of Government Version: 06/09/2015
Date Data Arrived at EDR: 06/26/2015
Date Made Active in Reports: 09/16/2015
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/18/2015
Next Scheduled EDR Contact: 04/11/2016
Data Release Frequency: Quarterly

Federal RCRA generators list

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

Date of Government Version: 06/09/2015
Date Data Arrived at EDR: 06/26/2015
Date Made Active in Reports: 09/16/2015
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/18/2015
Next Scheduled EDR Contact: 04/11/2016
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 06/09/2015
Date Data Arrived at EDR: 06/26/2015
Date Made Active in Reports: 09/16/2015
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/18/2015
Next Scheduled EDR Contact: 04/11/2016
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/09/2015
Date Data Arrived at EDR: 06/26/2015
Date Made Active in Reports: 09/16/2015
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/18/2015
Next Scheduled EDR Contact: 04/11/2016
Data Release Frequency: Varies

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 05/28/2015
Date Data Arrived at EDR: 05/29/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 13

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 02/16/2016
Next Scheduled EDR Contact: 05/30/2016
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

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

Date of Government Version: 09/10/2015
Date Data Arrived at EDR: 09/11/2015
Date Made Active in Reports: 11/03/2015
Number of Days to Update: 53

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/29/2016
Next Scheduled EDR Contact: 06/13/2016
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: 09/10/2015
Date Data Arrived at EDR: 09/11/2015
Date Made Active in Reports: 11/03/2015
Number of Days to Update: 53

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/29/2016
Next Scheduled EDR Contact: 06/13/2016
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: 06/22/2015
Date Data Arrived at EDR: 06/26/2015
Date Made Active in Reports: 09/16/2015
Number of Days to Update: 82

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 12/29/2015
Next Scheduled EDR Contact: 04/11/2016
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: 02/01/2016
Date Data Arrived at EDR: 02/03/2016
Date Made Active in Reports: 03/22/2016
Number of Days to Update: 48

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/03/2016
Next Scheduled EDR Contact: 05/16/2016
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

ENVIROSTOR: EnviroStor Database

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

Date of Government Version: 02/01/2016
Date Data Arrived at EDR: 02/03/2016
Date Made Active in Reports: 03/22/2016
Number of Days to Update: 48

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/03/2016
Next Scheduled EDR Contact: 05/16/2016
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 inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 11/16/2015
Date Data Arrived at EDR: 11/18/2015
Date Made Active in Reports: 01/21/2016
Number of Days to Update: 64

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 02/17/2016
Next Scheduled EDR Contact: 05/30/2016
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
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 9: Leaking Underground Storage Tank Report
Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks
California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Varies

LUST REG 7: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing
For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List
Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

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

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List
Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

LUST REG 1: Active Toxic Site Investigation
Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST: 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: 12/14/2015
Date Data Arrived at EDR: 12/14/2015
Date Made Active in Reports: 02/08/2016
Number of Days to Update: 56

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 03/16/2016
Next Scheduled EDR Contact: 06/27/2016
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
Date Data Arrived at EDR: 01/08/2015
Date Made Active in Reports: 02/09/2015
Number of Days to Update: 32

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 01/27/2016
Next Scheduled EDR Contact: 05/09/2016
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: 01/07/2016
Date Data Arrived at EDR: 01/08/2016
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 41

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/25/2016
Next Scheduled EDR Contact: 05/09/2016
Data Release Frequency: Quarterly

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/13/2015
Date Data Arrived at EDR: 10/23/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 118

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 01/25/2016
Next Scheduled EDR Contact: 05/09/2016
Data Release Frequency: Quarterly

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 03/30/2015
Date Data Arrived at EDR: 04/28/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 55

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/25/2016
Next Scheduled EDR Contact: 05/09/2016
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 08/20/2015
Date Data Arrived at EDR: 10/30/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 111

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 01/25/2016
Next Scheduled EDR Contact: 05/09/2016
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: 11/24/2015
Date Data Arrived at EDR: 12/01/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 34

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 01/25/2016
Next Scheduled EDR Contact: 05/09/2016
Data Release Frequency: Semi-Annually

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 11/04/2015
Date Data Arrived at EDR: 11/13/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 52

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 01/25/2016
Next Scheduled EDR Contact: 05/09/2016
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/27/2015
Date Data Arrived at EDR: 10/29/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 67

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 02/22/2016
Next Scheduled EDR Contact: 05/09/2016
Data Release Frequency: Varies

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: 12/14/2015
Date Data Arrived at EDR: 12/14/2015
Date Made Active in Reports: 02/08/2016
Number of Days to Update: 56

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/16/2016
Next Scheduled EDR Contact: 06/27/2016
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: Semi-Annually

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

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

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

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

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

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

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

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

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

SLIC REG 6L: SLIC Sites
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

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

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

SLIC REG 7: SLIC List
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

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

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

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

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

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

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

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

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

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010
Date Data Arrived at EDR: 02/16/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 55

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 01/08/2016
Next Scheduled EDR Contact: 04/25/2016
Data Release Frequency: Varies

UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 12/14/2015
Date Data Arrived at EDR: 12/14/2015
Date Made Active in Reports: 02/08/2016
Number of Days to Update: 56

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 03/16/2016
Next Scheduled EDR Contact: 06/27/2016
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
Date Data Arrived at EDR: 09/10/2009
Date Made Active in Reports: 10/01/2009
Number of Days to Update: 21

Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 03/11/2016
Next Scheduled EDR Contact: 07/11/2016
Data Release Frequency: Quarterly

INDIAN UST R8: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 10/13/2015
Date Data Arrived at EDR: 10/23/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 118

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 01/25/2016
Next Scheduled EDR Contact: 05/09/2016
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: 01/07/2016
Date Data Arrived at EDR: 01/08/2016
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 41

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/25/2016
Next Scheduled EDR Contact: 05/09/2016
Data Release Frequency: Quarterly

INDIAN UST R7: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 09/23/2014
Date Data Arrived at EDR: 11/25/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 65

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/25/2016
Next Scheduled EDR Contact: 05/09/2016
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: 08/20/2015
Date Data Arrived at EDR: 10/30/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 111

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 01/25/2016
Next Scheduled EDR Contact: 05/09/2016
Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 11/05/2015
Date Data Arrived at EDR: 11/13/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 52

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 01/25/2016
Next Scheduled EDR Contact: 05/09/2016
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 12/14/2014
Date Data Arrived at EDR: 02/13/2015
Date Made Active in Reports: 03/13/2015
Number of Days to Update: 28

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 01/27/2016
Next Scheduled EDR Contact: 05/09/2016
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: 10/20/2015
Date Data Arrived at EDR: 10/29/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 67

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 02/22/2016
Next Scheduled EDR Contact: 05/09/2016
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: 11/24/2015
Date Data Arrived at EDR: 12/01/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 34

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 01/25/2016
Next Scheduled EDR Contact: 05/09/2016
Data Release Frequency: Semi-Annually

State and tribal voluntary cleanup sites

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: 02/01/2016
Date Data Arrived at EDR: 02/03/2016
Date Made Active in Reports: 03/22/2016
Number of Days to Update: 48

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/03/2016
Next Scheduled EDR Contact: 05/16/2016
Data Release Frequency: Quarterly

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 12/28/2015
Next Scheduled EDR Contact: 04/11/2016
Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Considered Brownfieds Sites Listing
A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 12/04/2015
Date Data Arrived at EDR: 12/08/2015
Date Made Active in Reports: 01/21/2016
Number of Days to Update: 44

Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 03/07/2016
Next Scheduled EDR Contact: 06/20/2016
Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites
Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 12/22/2015
Date Data Arrived at EDR: 12/23/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 03/22/2016
Next Scheduled EDR Contact: 07/04/2016
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database
Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
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: 02/08/2016
Next Scheduled EDR Contact: 05/23/2016
Data Release Frequency: No Update Planned

SWRCY: Recycler Database
A listing of recycling facilities in California.

Date of Government Version: 12/14/2015
Date Data Arrived at EDR: 12/17/2015
Date Made Active in Reports: 02/08/2016
Number of Days to Update: 53

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/16/2016
Next Scheduled EDR Contact: 06/27/2016
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing
A listing of registered waste tire haulers.

Date of Government Version: 11/23/2015
Date Data Arrived at EDR: 11/24/2015
Date Made Active in Reports: 01/21/2016
Number of Days to Update: 58

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 02/14/2016
Next Scheduled EDR Contact: 05/30/2016
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: 02/01/2016
Next Scheduled EDR Contact: 05/16/2016
Data Release Frequency: Varies

ODI: Open Dump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 01/25/2016
Next Scheduled EDR Contact: 05/09/2016
Data Release Frequency: No Update Planned

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register
A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 09/17/2015
Date Data Arrived at EDR: 12/04/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 76

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/01/2016
Next Scheduled EDR Contact: 06/13/2016
Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database
The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 02/01/2016
Date Data Arrived at EDR: 02/03/2016
Date Made Active in Reports: 03/22/2016
Number of Days to Update: 48

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/03/2016
Next Scheduled EDR Contact: 05/16/2016
Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 09/30/2015
Date Data Arrived at EDR: 01/19/2016
Date Made Active in Reports: 03/22/2016
Number of Days to Update: 63

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 01/11/2016
Next Scheduled EDR Contact: 04/25/2016
Data Release Frequency: Varies

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 09/17/2015
Date Data Arrived at EDR: 12/04/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 76

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/01/2016
Next Scheduled EDR Contact: 06/13/2016
Data Release Frequency: Quarterly

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

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

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

UST MENDOCINO: Mendocino County UST Database
A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 11/25/2015
Date Data Arrived at EDR: 12/01/2015
Date Made Active in Reports: 12/17/2015
Number of Days to Update: 16

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 03/14/2016
Next Scheduled EDR Contact: 06/13/2016
Data Release Frequency: Annually

HIST UST: Hazardous Substance Storage Container Database
The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CA FID UST: Facility Inventory Database
The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Local Land Records

LIENS: Environmental Liens Listing
A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 12/17/2015
Date Data Arrived at EDR: 12/22/2015
Date Made Active in Reports: 02/08/2016
Number of Days to Update: 48

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 03/07/2016
Next Scheduled EDR Contact: 06/20/2016
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information
A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/18/2014
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: 03/11/2016
Next Scheduled EDR Contact: 05/09/2016
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: 12/07/2015
Date Data Arrived at EDR: 12/08/2015
Date Made Active in Reports: 01/21/2016
Number of Days to Update: 44

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 03/08/2016
Next Scheduled EDR Contact: 06/20/2016
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 06/24/2015
Date Data Arrived at EDR: 06/26/2015
Date Made Active in Reports: 09/02/2015
Number of Days to Update: 68

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 12/30/2015
Next Scheduled EDR Contact: 04/11/2016
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: 12/16/2015
Date Data Arrived at EDR: 01/27/2016
Date Made Active in Reports: 03/22/2016
Number of Days to Update: 55

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 01/27/2016
Next Scheduled EDR Contact: 05/09/2016
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: 12/14/2015
Date Data Arrived at EDR: 12/14/2015
Date Made Active in Reports: 02/08/2016
Number of Days to Update: 56

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/16/2016
Next Scheduled EDR Contact: 06/27/2016
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing
The State Water Resources Control Board and nine Regional Water Quality Control Boards partner with the Department of Defense (DoD) through the Defense and State Memorandum of Agreement (DSMOA) to oversee the investigation and remediation of water quality issues at military facilities.

Date of Government Version: 12/14/2015
Date Data Arrived at EDR: 12/14/2015
Date Made Active in Reports: 02/08/2016
Number of Days to Update: 56

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/16/2016
Next Scheduled EDR Contact: 06/27/2016
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
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
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: 06/09/2015
Date Data Arrived at EDR: 06/26/2015
Date Made Active in Reports: 09/16/2015
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/18/2015
Next Scheduled EDR Contact: 04/11/2016
Data Release Frequency: Varies

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 01/31/2015
Date Data Arrived at EDR: 07/08/2015
Date Made Active in Reports: 10/13/2015
Number of Days to Update: 97

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 03/11/2016
Next Scheduled EDR Contact: 06/20/2016
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 01/15/2016
Next Scheduled EDR Contact: 04/25/2016
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 01/15/2016
Next Scheduled EDR Contact: 04/25/2016
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 03/07/2011
Date Data Arrived at EDR: 03/09/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 02/19/2016
Next Scheduled EDR Contact: 05/30/2016
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 09/01/2015
Date Data Arrived at EDR: 09/03/2015
Date Made Active in Reports: 11/03/2015
Number of Days to Update: 61

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 02/16/2016
Next Scheduled EDR Contact: 05/30/2016
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 02/09/2016
Next Scheduled EDR Contact: 05/23/2016
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 04/22/2013
Date Data Arrived at EDR: 03/03/2015
Date Made Active in Reports: 03/09/2015
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 02/12/2016
Next Scheduled EDR Contact: 05/23/2016
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 01/15/2015
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 14

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 03/24/2016
Next Scheduled EDR Contact: 07/04/2016
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2013
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: 02/24/2016
Next Scheduled EDR Contact: 06/06/2016
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 01/25/2016
Next Scheduled EDR Contact: 05/09/2016
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 11/25/2013
Date Data Arrived at EDR: 12/12/2013
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 74

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 03/08/2016
Next Scheduled EDR Contact: 06/20/2016
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 08/01/2015
Date Data Arrived at EDR: 08/26/2015
Date Made Active in Reports: 11/03/2015
Number of Days to Update: 69

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 01/25/2016
Next Scheduled EDR Contact: 05/09/2016
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

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: 02/12/2016
Next Scheduled EDR Contact: 05/23/2016
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: 01/12/2016
Next Scheduled EDR Contact: 04/25/2016
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: 01/08/2016
Next Scheduled EDR Contact: 04/25/2016
Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
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: 02/22/2016
Next Scheduled EDR Contact: 06/06/2016
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: 02/22/2016
Next Scheduled EDR Contact: 06/06/2016
Data Release Frequency: Quarterly

MLTS: Material Licensing Tracking System
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 06/26/2015
Date Data Arrived at EDR: 07/10/2015
Date Made Active in Reports: 10/13/2015
Number of Days to Update: 95

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 02/08/2016
Next Scheduled EDR Contact: 05/23/2016
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 01/13/2016
Next Scheduled EDR Contact: 04/25/2016
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: 03/11/2016
Next Scheduled EDR Contact: 06/20/2016
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: 01/29/2016
Next Scheduled EDR Contact: 05/09/2016
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/07/2015
Date Data Arrived at EDR: 07/09/2015
Date Made Active in Reports: 09/16/2015
Number of Days to Update: 69

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 01/07/2016
Next Scheduled EDR Contact: 04/18/2016
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

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 08/07/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 42

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 02/03/2016
Next Scheduled EDR Contact: 05/16/2016
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: 03/24/2016
Next Scheduled EDR Contact: 07/11/2016
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 02/24/2015
Date Made Active in Reports: 09/30/2015
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 02/26/2016
Next Scheduled EDR Contact: 06/06/2016
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 01/15/2016
Next Scheduled EDR Contact: 04/25/2016
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 11/23/2015
Date Data Arrived at EDR: 11/24/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 86

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 02/08/2016
Next Scheduled EDR Contact: 05/23/2016
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 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: 02/22/2016
Next Scheduled EDR Contact: 06/06/2016
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites
A listing of former lead smelter site locations.

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: 01/26/2016
Next Scheduled EDR Contact: 04/18/2016
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites
A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

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: 10/20/2015
Date Data Arrived at EDR: 10/27/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 69

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 03/24/2016
Next Scheduled EDR Contact: 07/11/2016
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data
A listing of minor source facilities.

Date of Government Version: 10/20/2015
Date Data Arrived at EDR: 10/27/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 69

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 03/24/2016
Next Scheduled EDR Contact: 07/11/2016
Data Release Frequency: Annually

US MINES: Mines Master Index File
Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/18/2015
Date Data Arrived at EDR: 09/01/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 125

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 03/02/2016
Next Scheduled EDR Contact: 06/13/2016
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing
This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 12/05/2005
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 03/04/2016
Next Scheduled EDR Contact: 06/13/2016
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 03/04/2016
Next Scheduled EDR Contact: 06/13/2016
Data Release Frequency: Varies

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 07/20/2015
Date Data Arrived at EDR: 09/09/2015
Date Made Active in Reports: 11/03/2015
Number of Days to Update: 55

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 03/08/2016
Next Scheduled EDR Contact: 06/20/2016
Data Release Frequency: Quarterly

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6

Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 12/28/2015
Date Data Arrived at EDR: 12/29/2015
Date Made Active in Reports: 01/21/2016
Number of Days to Update: 23

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 12/29/2015
Next Scheduled EDR Contact: 04/11/2016
Data Release Frequency: Quarterly

DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 08/10/2015
Date Data Arrived at EDR: 08/27/2015
Date Made Active in Reports: 10/01/2015
Number of Days to Update: 35

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 02/05/2016
Next Scheduled EDR Contact: 06/20/2016
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: 12/31/2013
Date Data Arrived at EDR: 09/25/2015
Date Made Active in Reports: 11/05/2015
Number of Days to Update: 41

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 03/22/2016
Next Scheduled EDR Contact: 07/04/2016
Data Release Frequency: Varies

ENF: Enforcement Action Listing
A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 01/26/2016
Date Data Arrived at EDR: 01/29/2016
Date Made Active in Reports: 03/22/2016
Number of Days to Update: 53

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 01/25/2016
Next Scheduled EDR Contact: 05/09/2016
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing
Financial Assurance information

Date of Government Version: 01/28/2016
Date Data Arrived at EDR: 01/29/2016
Date Made Active in Reports: 03/22/2016
Number of Days to Update: 53

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 01/25/2016
Next Scheduled EDR Contact: 05/09/2016
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing
A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 11/18/2015
Date Data Arrived at EDR: 11/23/2015
Date Made Active in Reports: 01/21/2016
Number of Days to Update: 59

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 02/16/2016
Next Scheduled EDR Contact: 05/30/2016
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: 12/31/2014
Date Data Arrived at EDR: 10/14/2015
Date Made Active in Reports: 12/11/2015
Number of Days to Update: 58

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 01/11/2016
Next Scheduled EDR Contact: 04/25/2016
Data Release Frequency: Annually

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

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing
Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 11/23/2015
Date Data Arrived at EDR: 11/24/2015
Date Made Active in Reports: 01/21/2016
Number of Days to Update: 58

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/24/2016
Next Scheduled EDR Contact: 06/06/2016
Data Release Frequency: Quarterly

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

Date of Government Version: 01/11/2016
Date Data Arrived at EDR: 01/13/2016
Date Made Active in Reports: 02/22/2016
Number of Days to Update: 40

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 01/13/2016
Next Scheduled EDR Contact: 04/25/2016
Data Release Frequency: Quarterly

MINES: Mines Site Location Listing
A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 12/14/2015
Date Data Arrived at EDR: 12/17/2015
Date Made Active in Reports: 02/08/2016
Number of Days to Update: 53

Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 03/16/2016
Next Scheduled EDR Contact: 06/27/2016
Data Release Frequency: Varies

MWMP: Medical Waste Management Program Listing
The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 11/10/2015
Date Data Arrived at EDR: 12/08/2015
Date Made Active in Reports: 01/21/2016
Number of Days to Update: 44

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 03/08/2016
Next Scheduled EDR Contact: 06/20/2016
Data Release Frequency: Varies

NPDES: NPDES Permits Listing
A listing of NPDES permits, including stormwater.

Date of Government Version: 11/16/2015
Date Data Arrived at EDR: 11/18/2015
Date Made Active in Reports: 01/21/2016
Number of Days to Update: 64

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 02/17/2016
Next Scheduled EDR Contact: 05/30/2016
Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing
A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 12/07/2015
Date Data Arrived at EDR: 12/08/2015
Date Made Active in Reports: 01/21/2016
Number of Days to Update: 44

Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 03/08/2016
Next Scheduled EDR Contact: 06/20/2016
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PROC: Certified Processors Database
A listing of certified processors.

Date of Government Version: 12/14/2015
Date Data Arrived at EDR: 12/17/2015
Date Made Active in Reports: 03/01/2016
Number of Days to Update: 75

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/16/2016
Next Scheduled EDR Contact: 06/27/2016
Data Release Frequency: Quarterly

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

Date of Government Version: 09/10/2015
Date Data Arrived at EDR: 01/05/2016
Date Made Active in Reports: 02/12/2016
Number of Days to Update: 38

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 03/21/2016
Next Scheduled EDR Contact: 07/04/2016
Data Release Frequency: No Update Planned

UIC: UIC Listing
A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 07/23/2015
Date Data Arrived at EDR: 09/15/2015
Date Made Active in Reports: 10/13/2015
Number of Days to Update: 28

Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 03/16/2016
Next Scheduled EDR Contact: 06/27/2016
Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing
Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water board?s review found that more than one-third of the region?s active disposal pits are operating without permission.

Date of Government Version: 04/15/2015
Date Data Arrived at EDR: 04/17/2015
Date Made Active in Reports: 06/23/2015
Number of Days to Update: 67

Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 01/15/2016
Next Scheduled EDR Contact: 04/25/2016
Data Release Frequency: Varies

WDS: Waste Discharge System
Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9

Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 02/19/2016
Next Scheduled EDR Contact: 06/16/2016
Data Release Frequency: Quarterly

WIP: Well Investigation Program Case List
Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 12/23/2015
Next Scheduled EDR Contact: 04/11/2016
Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information
ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 09/20/2015
Date Data Arrived at EDR: 09/23/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 103

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 03/23/2016
Next Scheduled EDR Contact: 07/04/2016
Data Release Frequency: Quarterly

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 11/23/2015
Date Data Arrived at EDR: 11/24/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 86

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 02/24/2016
Next Scheduled EDR Contact: 06/06/2016
Data Release Frequency: Quarterly

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/11/2016
Date Data Arrived at EDR: 01/12/2016
Date Made Active in Reports: 02/22/2016
Number of Days to Update: 41

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 01/11/2016
Next Scheduled EDR Contact: 04/25/2016
Data Release Frequency: Semi-Annually

Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 01/11/2016
Date Data Arrived at EDR: 01/14/2016
Date Made Active in Reports: 03/01/2016
Number of Days to Update: 47

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 01/11/2016
Next Scheduled EDR Contact: 04/25/2016
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA Facility List
Cupa Facility List

Date of Government Version: 11/16/2015
Date Data Arrived at EDR: 12/10/2015
Date Made Active in Reports: 01/21/2016
Number of Days to Update: 42

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 03/21/2016
Next Scheduled EDR Contact: 06/20/2016
Data Release Frequency: Varies

BUTTE COUNTY:

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: 02/19/2016
Next Scheduled EDR Contact: 04/25/2016
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 02/02/2016
Date Data Arrived at EDR: 02/04/2016
Date Made Active in Reports: 02/22/2016
Number of Days to Update: 18

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 12/28/2015
Next Scheduled EDR Contact: 04/11/2016
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA Facility List
Cupa facility list.

Date of Government Version: 06/08/2015
Date Data Arrived at EDR: 09/22/2015
Date Made Active in Reports: 10/14/2015
Number of Days to Update: 22

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 02/22/2016
Next Scheduled EDR Contact: 05/23/2016
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: 12/01/2015
Date Data Arrived at EDR: 12/04/2015
Date Made Active in Reports: 01/21/2016
Number of Days to Update: 48

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 02/01/2016
Next Scheduled EDR Contact: 05/16/2016
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA Facility List
Cupa Facility list

Date of Government Version: 01/22/2016
Date Data Arrived at EDR: 02/05/2016
Date Made Active in Reports: 03/07/2016
Number of Days to Update: 31

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 02/01/2016
Next Scheduled EDR Contact: 05/16/2016
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 11/30/2015
Date Data Arrived at EDR: 12/03/2015
Date Made Active in Reports: 01/21/2016
Number of Days to Update: 49

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 02/01/2016
Next Scheduled EDR Contact: 05/16/2016
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: 01/05/2016
Date Data Arrived at EDR: 01/08/2016
Date Made Active in Reports: 02/22/2016
Number of Days to Update: 45

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 01/04/2016
Next Scheduled EDR Contact: 04/18/2016
Data Release Frequency: Semi-Annually

HUMBOLDT COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 12/02/2015
Date Data Arrived at EDR: 12/04/2015
Date Made Active in Reports: 01/21/2016
Number of Days to Update: 48

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 02/22/2016
Next Scheduled EDR Contact: 06/06/2016
Data Release Frequency: Varies

IMPERIAL COUNTY:

CUPA Facility List
Cupa facility list.

Date of Government Version: 01/25/2016
Date Data Arrived at EDR: 01/27/2016
Date Made Active in Reports: 02/22/2016
Number of Days to Update: 26

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 01/25/2016
Next Scheduled EDR Contact: 05/09/2016
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: 02/22/2016
Next Scheduled EDR Contact: 06/06/2016
Data Release Frequency: Varies

KERN COUNTY:

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: 02/22/2016
Next Scheduled EDR Contact: 05/23/2016
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: 11/19/2015
Date Data Arrived at EDR: 11/23/2015
Date Made Active in Reports: 12/11/2015
Number of Days to Update: 18

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 02/22/2016
Next Scheduled EDR Contact: 06/06/2016
Data Release Frequency: Varies

LAKE COUNTY:

CUPA Facility List
Cupa facility list

Date of Government Version: 01/22/2016
Date Data Arrived at EDR: 01/26/2016
Date Made Active in Reports: 02/22/2016
Number of Days to Update: 27

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 01/19/2016
Next Scheduled EDR Contact: 05/02/2016
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: 03/21/2016
Next Scheduled EDR Contact: 07/04/2016
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: 01/08/2016
Next Scheduled EDR Contact: 04/25/2016
Data Release Frequency: Semi-Annually

List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 01/19/2016
Date Data Arrived at EDR: 01/20/2016
Date Made Active in Reports: 03/22/2016
Number of Days to Update: 62

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 01/20/2016
Next Scheduled EDR Contact: 05/02/2016
Data Release Frequency: Varies

City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2016
Date Data Arrived at EDR: 01/26/2016
Date Made Active in Reports: 03/22/2016
Number of Days to Update: 56

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 01/19/2016
Next Scheduled EDR Contact: 05/02/2016
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: 02/19/2016
Next Scheduled EDR Contact: 05/02/2016
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: 02/16/2016
Next Scheduled EDR Contact: 05/02/2016
Data Release Frequency: Semi-Annually

City of Long Beach Underground Storage Tank
Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 11/04/2015
Date Data Arrived at EDR: 11/13/2015
Date Made Active in Reports: 12/17/2015
Number of Days to Update: 34

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 01/25/2016
Next Scheduled EDR Contact: 05/09/2016
Data Release Frequency: Annually

City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 01/12/2016
Date Data Arrived at EDR: 01/15/2016
Date Made Active in Reports: 02/08/2016
Number of Days to Update: 24

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 01/11/2016
Next Scheduled EDR Contact: 04/25/2016
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 12/11/2015
Date Data Arrived at EDR: 12/14/2015
Date Made Active in Reports: 03/07/2016
Number of Days to Update: 84

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 02/22/2016
Next Scheduled EDR Contact: 06/06/2016
Data Release Frequency: Varies

MARIN COUNTY:

Underground Storage Tank Sites

Currently permitted USTs in Marin County.

Date of Government Version: 10/05/2015
Date Data Arrived at EDR: 10/08/2015
Date Made Active in Reports: 10/15/2015
Number of Days to Update: 7

Source: Public Works Department Waste Management
Telephone: 415-499-6647
Last EDR Contact: 01/19/2016
Next Scheduled EDR Contact: 04/18/2016
Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 12/14/2015
Date Data Arrived at EDR: 12/18/2015
Date Made Active in Reports: 01/21/2016
Number of Days to Update: 34

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 02/22/2016
Next Scheduled EDR Contact: 06/06/2016
Data Release Frequency: Varies

MONO COUNTY:

CUPA Facility List

CUPA Facility List

Date of Government Version: 11/24/2015
Date Data Arrived at EDR: 12/01/2015
Date Made Active in Reports: 01/21/2016
Number of Days to Update: 51

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 02/29/2016
Next Scheduled EDR Contact: 06/13/2016
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA Facility Listing

CUPA Program listing from the Environmental Health Division.

Date of Government Version: 12/10/2015
Date Data Arrived at EDR: 12/14/2015
Date Made Active in Reports: 02/12/2016
Number of Days to Update: 60

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 02/22/2016
Next Scheduled EDR Contact: 06/06/2016
Data Release Frequency: Varies

NAPA COUNTY:

Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 12/05/2011
Date Data Arrived at EDR: 12/06/2011
Date Made Active in Reports: 02/07/2012
Number of Days to Update: 63

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 02/29/2016
Next Scheduled EDR Contact: 06/13/2016
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: 02/29/2016
Next Scheduled EDR Contact: 06/13/2016
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 01/27/2016
Date Data Arrived at EDR: 02/04/2016
Date Made Active in Reports: 02/22/2016
Number of Days to Update: 18

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 02/01/2016
Next Scheduled EDR Contact: 05/16/2016
Data Release Frequency: Varies

ORANGE COUNTY:

List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 11/01/2015
Date Data Arrived at EDR: 11/17/2015
Date Made Active in Reports: 01/21/2016
Number of Days to Update: 65

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 02/09/2016
Next Scheduled EDR Contact: 05/23/2016
Data Release Frequency: Annually

List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 08/03/2015
Date Data Arrived at EDR: 08/10/2015
Date Made Active in Reports: 09/11/2015
Number of Days to Update: 32

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 02/09/2016
Next Scheduled EDR Contact: 05/23/2016
Data Release Frequency: Quarterly

List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 11/01/2015
Date Data Arrived at EDR: 11/11/2015
Date Made Active in Reports: 12/17/2015
Number of Days to Update: 36

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 02/10/2016
Next Scheduled EDR Contact: 05/23/2016
Data Release Frequency: Quarterly

PLACER COUNTY:

Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 12/09/2015
Date Data Arrived at EDR: 12/11/2015
Date Made Active in Reports: 01/21/2016
Number of Days to Update: 41

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 03/07/2016
Next Scheduled EDR Contact: 06/20/2016
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: 01/20/2016
Date Data Arrived at EDR: 01/22/2016
Date Made Active in Reports: 03/22/2016
Number of Days to Update: 60

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 03/21/2016
Next Scheduled EDR Contact: 07/04/2016
Data Release Frequency: Quarterly

Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 01/20/2016
Date Data Arrived at EDR: 01/22/2016
Date Made Active in Reports: 03/22/2016
Number of Days to Update: 60

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 03/21/2016
Next Scheduled EDR Contact: 07/04/2016
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: 11/02/2015
Date Data Arrived at EDR: 01/05/2016
Date Made Active in Reports: 02/12/2016
Number of Days to Update: 38

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 01/05/2016
Next Scheduled EDR Contact: 04/18/2016
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: 11/02/2015
Date Data Arrived at EDR: 01/05/2016
Date Made Active in Reports: 02/12/2016
Number of Days to Update: 38

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 01/05/2016
Next Scheduled EDR Contact: 04/18/2016
Data Release Frequency: Quarterly

SAN BERNARDINO COUNTY:

Hazardous Material Permits
This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 12/14/2015
Date Data Arrived at EDR: 12/18/2015
Date Made Active in Reports: 02/08/2016
Number of Days to Update: 52

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 02/08/2016
Next Scheduled EDR Contact: 05/23/2016
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: 03/07/2016
Next Scheduled EDR Contact: 06/20/2016
Data Release Frequency: Quarterly

Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/31/2015
Date Data Arrived at EDR: 11/07/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 58

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 01/25/2016
Next Scheduled EDR Contact: 05/09/2016
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: 03/03/2016
Next Scheduled EDR Contact: 06/20/2016
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

Local Oversite Facilities

A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 02/08/2016
Next Scheduled EDR Contact: 05/23/2016
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: 02/08/2016
Next Scheduled EDR Contact: 05/23/2016
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 12/18/2015
Date Data Arrived at EDR: 12/22/2015
Date Made Active in Reports: 02/08/2016
Number of Days to Update: 48

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 03/21/2016
Next Scheduled EDR Contact: 07/04/2016
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA Facility List
Cupa Facility List.

Date of Government Version: 12/07/2015
Date Data Arrived at EDR: 12/10/2015
Date Made Active in Reports: 01/21/2016
Number of Days to Update: 42

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 02/22/2016
Next Scheduled EDR Contact: 06/21/2016
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: 10/14/2015
Date Data Arrived at EDR: 10/15/2015
Date Made Active in Reports: 11/16/2015
Number of Days to Update: 32

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 03/14/2016
Next Scheduled EDR Contact: 06/27/2016
Data Release Frequency: Annually

Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 12/14/2015
Date Data Arrived at EDR: 12/17/2015
Date Made Active in Reports: 02/08/2016
Number of Days to Update: 53

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 03/14/2016
Next Scheduled EDR Contact: 06/27/2016
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: 02/22/2016
Next Scheduled EDR Contact: 06/06/2016
Data Release Frequency: Varies

SANTA CLARA COUNTY:

Cupa Facility List
Cupa facility list

Date of Government Version: 11/18/2015
Date Data Arrived at EDR: 11/24/2015
Date Made Active in Reports: 12/11/2015
Number of Days to Update: 17

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 02/22/2016
Next Scheduled EDR Contact: 06/06/2016
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: 02/29/2016
Next Scheduled EDR Contact: 06/13/2016
Data Release Frequency: Annually

Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 11/17/2015
Date Data Arrived at EDR: 11/23/2015
Date Made Active in Reports: 01/21/2016
Number of Days to Update: 59

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 02/08/2016
Next Scheduled EDR Contact: 05/23/2016
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA Facility List

CUPA facility listing.

Date of Government Version: 11/18/2015
Date Data Arrived at EDR: 11/23/2015
Date Made Active in Reports: 12/11/2015
Number of Days to Update: 18

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 02/22/2016
Next Scheduled EDR Contact: 06/06/2016
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA Facility List

Cupa Facility List.

Date of Government Version: 12/09/2015
Date Data Arrived at EDR: 12/10/2015
Date Made Active in Reports: 01/21/2016
Number of Days to Update: 42

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 02/22/2016
Next Scheduled EDR Contact: 06/06/2016
Data Release Frequency: Varies

SOLANO COUNTY:

Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 10/30/2015
Date Data Arrived at EDR: 12/14/2015
Date Made Active in Reports: 02/08/2016
Number of Days to Update: 56

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 03/14/2016
Next Scheduled EDR Contact: 06/27/2016
Data Release Frequency: Quarterly

Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 10/30/2015
Date Data Arrived at EDR: 12/14/2015
Date Made Active in Reports: 02/08/2016
Number of Days to Update: 56

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 03/14/2016
Next Scheduled EDR Contact: 06/27/2016
Data Release Frequency: Quarterly

SONOMA COUNTY:

Cupa Facility List
Cupa Facility list

Date of Government Version: 01/11/2016
Date Data Arrived at EDR: 01/14/2016
Date Made Active in Reports: 02/22/2016
Number of Days to Update: 39

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 01/11/2016
Next Scheduled EDR Contact: 04/11/2016
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: 01/05/2016
Date Data Arrived at EDR: 01/07/2016
Date Made Active in Reports: 02/08/2016
Number of Days to Update: 32

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 12/23/2015
Next Scheduled EDR Contact: 04/11/2016
Data Release Frequency: Quarterly

SUTTER COUNTY:

Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 12/07/2015
Date Data Arrived at EDR: 12/08/2015
Date Made Active in Reports: 12/17/2015
Number of Days to Update: 9

Source: Sutter County Department of Agriculture
Telephone: 530-822-7500
Last EDR Contact: 03/07/2016
Next Scheduled EDR Contact: 06/20/2016
Data Release Frequency: Semi-Annually

TUOLUMNE COUNTY:

CUPA Facility List
Cupa facility list

Date of Government Version: 10/29/2015
Date Data Arrived at EDR: 10/30/2015
Date Made Active in Reports: 12/11/2015
Number of Days to Update: 42

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 03/04/2016
Next Scheduled EDR Contact: 05/09/2016
Data Release Frequency: Varies

VENTURA COUNTY:

Business Plan, Hazardous Waste Producers, and Operating Underground Tanks

The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 12/28/2015
Date Data Arrived at EDR: 01/29/2016
Date Made Active in Reports: 03/22/2016
Number of Days to Update: 53

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 01/25/2016
Next Scheduled EDR Contact: 05/09/2016
Data Release Frequency: Quarterly

Inventory of Illegal Abandoned and Inactive Sites

Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 12/30/2015
Next Scheduled EDR Contact: 04/18/2016
Data Release Frequency: Annually

Listing of Underground Tank Cleanup Sites

Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 02/14/2016
Next Scheduled EDR Contact: 05/30/2016
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: 12/28/2015
Date Data Arrived at EDR: 01/29/2016
Date Made Active in Reports: 03/22/2016
Number of Days to Update: 53

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 01/25/2016
Next Scheduled EDR Contact: 05/09/2016
Data Release Frequency: Quarterly

Underground Tank Closed Sites List

Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 11/30/2015
Date Data Arrived at EDR: 12/17/2015
Date Made Active in Reports: 02/08/2016
Number of Days to Update: 53

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 03/17/2016
Next Scheduled EDR Contact: 06/27/2016
Data Release Frequency: Quarterly

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report

Underground storage tank sites located in Yolo county.

Date of Government Version: 02/01/2016
Date Data Arrived at EDR: 02/05/2016
Date Made Active in Reports: 03/22/2016
Number of Days to Update: 46

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 02/01/2016
Next Scheduled EDR Contact: 04/18/2016
Data Release Frequency: Annually

YUBA COUNTY:

CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 02/01/2016
Date Data Arrived at EDR: 02/05/2016
Date Made Active in Reports: 02/22/2016
Number of Days to Update: 17

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 02/01/2016
Next Scheduled EDR Contact: 05/16/2016
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: 02/18/2016
Next Scheduled EDR Contact: 05/30/2016
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 07/17/2015
Date Made Active in Reports: 08/12/2015
Number of Days to Update: 26

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 01/15/2016
Next Scheduled EDR Contact: 04/25/2016
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: 02/01/2016
Date Data Arrived at EDR: 02/03/2016
Date Made Active in Reports: 03/22/2016
Number of Days to Update: 48

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 02/03/2016
Next Scheduled EDR Contact: 05/16/2016
Data Release Frequency: Annually

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/24/2015
Date Made Active in Reports: 08/18/2015
Number of Days to Update: 25

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 01/19/2016
Next Scheduled EDR Contact: 05/02/2016
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: 03/21/2016
Next Scheduled EDR Contact: 06/06/2016
Data Release Frequency: Annually

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: 03/14/2016
Next Scheduled EDR Contact: 06/27/2016
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: PennWell Corporation
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Electric Power Transmission Line Data
Source: PennWell Corporation
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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish & Game
Telephone: 916-445-0411

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

PUMPKIN PATCH AND LCWA
STUDEBAKER ROAD
LONG BEACH, CA 90803

TARGET PROPERTY COORDINATES

Latitude (North):	33.760278 - 33˚ 45’ 37.00’’
Longitude (West):	118.102734 - 118˚ 6’ 9.84’’
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	397875.0
UTM Y (Meters):	3735929.0
Elevation:	12 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5633745 LOS ALAMITOS, CA
Version Date:	2012
Southeast Map:	5633763 SEAL BEACH, CA
Version Date:	2012
Southwest Map:	5633769 LONG BEACH OE S, CA
Version Date:	2012
Northwest Map:	5652670 LONG BEACH, 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).

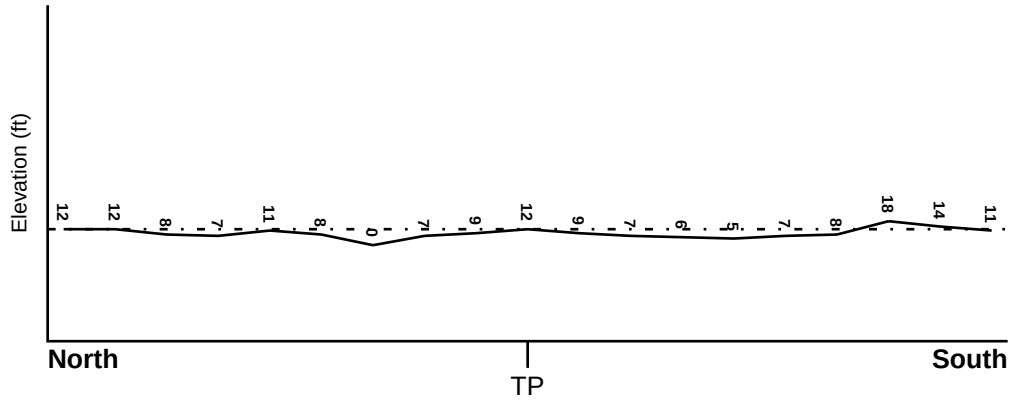
TOPOGRAPHIC INFORMATION

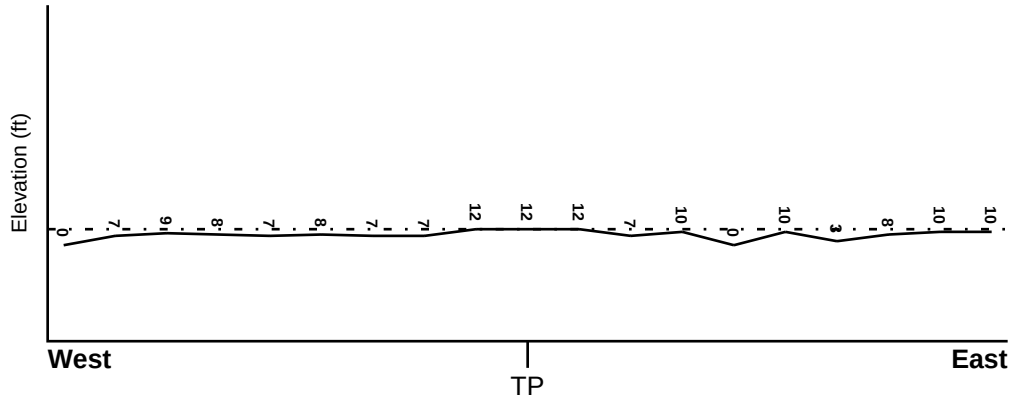
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General East

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES





Target Property Elevation: 12 ft.

0 1/2 1 Miles

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	FEMA Flood Electronic Data
LOS ANGELES, CA	YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property:	06037C - FEMA DFIRM Flood data
Additional Panels in search area:	06059C - FEMA DFIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
LOS ALAMITOS	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.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
5	1/2 - 1 Mile SSW	Not Reported
B9	1/2 - 1 Mile ESE	Not Reported
12	1/2 - 1 Mile South	Varies
13	1/2 - 1 Mile ESE	NW, SE

For additional site information, refer to Physical Setting Source Map Findings.

* ©1996 Site−specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

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:	Quaternary
Series:	Quaternary
Code:	Q *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed 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).

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. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: URBAN LAND

Soil Surface Texture: variable

Hydrologic Group: Not reported

Soil Drainage Class: Not reported

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 10 inches

Depth to Bedrock Max: > 10 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	6 inches	variable	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: loam
clay
silt loam
loamy sand
sandy loam
fine sand
clay loam
gravelly - sandy loam
coarse sand
gravelly - sand
sand

Surficial Soil Types: loam
clay
silt loam
loamy sand
sandy loam
fine sand
clay loam
gravelly - sandy loam
coarse sand
gravelly - sand
sand

Shallow Soil Types: fine sandy loam
gravelly - loam
sand
silty clay

Deeper Soil Types: stratified
clay loam
silty clay loam
gravelly - sandy loam
coarse sand
sand
weathered bedrock
very fine sandy loam

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

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

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 0.001 miles
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A3	USGS40000138016	1/2 - 1 Mile NE
A4	USGS40000138015	1/2 - 1 Mile NE
7	USGS40000137857	1/2 - 1 Mile SE
8	USGS40000137881	1/2 - 1 Mile SE
B10	USGS40000137910	1/2 - 1 Mile ESE
B11	USGS40000137912	1/2 - 1 Mile ESE
14	USGS40000138076	1/2 - 1 Mile NNW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	CADW60000035959	1/2 - 1 Mile NE
A2	CADW60000023076	1/2 - 1 Mile NE
6	CADW60000023077	1/2 - 1 Mile SE

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	CAOG11000206175	0 - 1/8 Mile SSW
A2	CAOG11000206174	0 - 1/8 Mile South
3	CAOG11000206176	0 - 1/8 Mile SE
4	CAOG11000206846	0 - 1/8 Mile NNW
B5	CAOG11000189634	0 - 1/8 Mile West
C6	CAOG11000205561	1/8 - 1/4 Mile SSW

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
B7	CAOG11000189860	1/8 - 1/4 Mile WSW
C8	CAOG11000206177	1/8 - 1/4 Mile SSW
C9	CAOG11000189941	1/8 - 1/4 Mile SW
B10	CAOG11000189928	1/8 - 1/4 Mile WNW
B11	CAOG11000205642	1/8 - 1/4 Mile WNW
C12	CAOG11000213639	1/8 - 1/4 Mile South
D13	CAOG11000189943	1/8 - 1/4 Mile WNW
C14	CAOG11000206170	1/8 - 1/4 Mile South
E15	CAOG11000206474	1/8 - 1/4 Mile SSE
C16	CAOG11000192935	1/8 - 1/4 Mile South
C17	CAOG11000189838	1/8 - 1/4 Mile SSW
C18	CAOG11000213642	1/8 - 1/4 Mile South
E19	CAOG11000206171	1/8 - 1/4 Mile SE
D20	CAOG11000205577	1/8 - 1/4 Mile West
F21	CAOG11000189861	1/8 - 1/4 Mile West
F22	CAOG11000205590	1/8 - 1/4 Mile WSW
G23	CAOG11000192937	1/8 - 1/4 Mile SSW
H24	CAOG11000189839	1/8 - 1/4 Mile SW
H25	CAOG11000189855	1/8 - 1/4 Mile SW
E26	CAOG11000206475	1/8 - 1/4 Mile SSE
E27	CAOG11000192936	1/8 - 1/4 Mile SSE
G28	CAOG11000189830	1/8 - 1/4 Mile SSW
D29	CAOG11000189929	1/8 - 1/4 Mile WNW
H30	CAOG11000189856	1/4 - 1/2 Mile WSW
G31	CAOG11000190472	1/4 - 1/2 Mile South
I32	CAOG11000189842	1/4 - 1/2 Mile WSW
E33	CAOG11000213638	1/4 - 1/2 Mile SSE
G34	CAOG11000189944	1/4 - 1/2 Mile SSW
G35	CAOG11000213641	1/4 - 1/2 Mile South
F36	CAOG11000189857	1/4 - 1/2 Mile West
G37	CAOG11000206543	1/4 - 1/2 Mile South
J38	CAOG11000189850	1/4 - 1/2 Mile WNW
G39	CAOG11000205581	1/4 - 1/2 Mile SSW
H40	CAOG11000189835	1/4 - 1/2 Mile SSW
K41	CAOG11000190474	1/4 - 1/2 Mile South
J42	CAOG11000189858	1/4 - 1/2 Mile West
J43	CAOG11000189859	1/4 - 1/2 Mile West
J44	CAOG11000189940	1/4 - 1/2 Mile WNW
H46	CAOG11000205586	1/4 - 1/2 Mile SW
H45	CAOG11000205585	1/4 - 1/2 Mile SW
L47	CAOG11000206173	1/4 - 1/2 Mile SE
I48	CAOG11000189935	1/4 - 1/2 Mile WSW
K49	CAOG11000206540	1/4 - 1/2 Mile South
K50	CAOG11000190473	1/4 - 1/2 Mile South
M51	CAOG11000189951	1/4 - 1/2 Mile West
M52	CAOG11000189843	1/4 - 1/2 Mile West
N53	CAOG11000205589	1/4 - 1/2 Mile SSW
L54	CAOG11000192933	1/4 - 1/2 Mile SE
K55	CAOG11000213633	1/4 - 1/2 Mile South
J56	CAOG11000189862	1/4 - 1/2 Mile WNW
K57	CAOG11000213640	1/4 - 1/2 Mile South
I58	CAOG11000205587	1/4 - 1/2 Mile WSW
O59	CAOG11000213636	1/4 - 1/2 Mile SE
N60	CAOG11000189836	1/4 - 1/2 Mile SSW
N61	CAOG11000189829	1/4 - 1/2 Mile SSW
62	CAOG11000205578	1/4 - 1/2 Mile WSW

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
O63	CAOG11000192934	1/4 - 1/2 Mile SSE
P64	CAOG11000189927	1/4 - 1/2 Mile WNW
N65	CAOG11000189939	1/4 - 1/2 Mile SSW
K66	CAOG11000190471	1/4 - 1/2 Mile South
Q67	CAOG11000205291	1/4 - 1/2 Mile SSE
M68	CAOG11000189947	1/4 - 1/2 Mile West
R69	CAOG11000189852	1/4 - 1/2 Mile SW
R70	CAOG11000189846	1/4 - 1/2 Mile SW
S71	CAOG11000189825	1/4 - 1/2 Mile WSW
S72	CAOG11000189847	1/4 - 1/2 Mile West
R73	CAOG11000205641	1/4 - 1/2 Mile SSW
T74	CAOG11000206544	1/4 - 1/2 Mile South
U75	CAOG11000189841	1/4 - 1/2 Mile West
V76	CAOG11000189837	1/4 - 1/2 Mile SSW
O77	CAOG11000213637	1/4 - 1/2 Mile SE
O78	CAOG11000206167	1/4 - 1/2 Mile SSE
O79	CAOG11000206168	1/4 - 1/2 Mile SE
80	CAOG11000206172	1/4 - 1/2 Mile SE
P82	CAOG11000204788	1/4 - 1/2 Mile WNW
P81	CAOG11000204787	1/4 - 1/2 Mile WNW
83	CAOG11000206473	1/4 - 1/2 Mile ESE
T84	CAOG11000213632	1/4 - 1/2 Mile South
W85	CAOG11000189924	1/4 - 1/2 Mile WNW
X86	CAOG11000205640	1/4 - 1/2 Mile SW
Q87	CAOG11000206545	1/4 - 1/2 Mile SSE
Q88	CAOG11000213635	1/4 - 1/2 Mile SSE
V89	CAOG11000189831	1/4 - 1/2 Mile SSW
X90	CAOG11000205584	1/4 - 1/2 Mile SW
T91	CAOG11000213634	1/4 - 1/2 Mile South
W92	CAOG11000189863	1/4 - 1/2 Mile WNW
T93	CAOG11000206541	1/4 - 1/2 Mile SSE
Y94	CAOG11000205582	1/4 - 1/2 Mile WSW
Z95	CAOG11000196904	1/4 - 1/2 Mile SE
Z96	CAOG11000196905	1/4 - 1/2 Mile SE
Y97	CAOG11000205588	1/4 - 1/2 Mile WSW
W98	CAOG11000205591	1/4 - 1/2 Mile WNW
AA99	CAOG11000189931	1/4 - 1/2 Mile WNW
U100	CAOG11000189845	1/4 - 1/2 Mile West
AB101	CAOG11000188696	1/4 - 1/2 Mile South
AC102	CAOG11000205583	1/4 - 1/2 Mile SSW
AD103	CAOG11000195720	1/4 - 1/2 Mile SSE
AB104	CAOG11000206542	1/4 - 1/2 Mile South
AD105	CAOG11000195727	1/4 - 1/2 Mile SSE
AA106	CAOG11000189926	1/4 - 1/2 Mile WNW
107	CAOG11000206169	1/4 - 1/2 Mile East
AE108	CAOG11000205580	1/4 - 1/2 Mile WSW
AA109	CAOG11000189942	1/4 - 1/2 Mile WNW
AD110	CAOG11000219886	1/4 - 1/2 Mile SSE
AB111	CAOG11000195719	1/4 - 1/2 Mile SSE
Z112	CAOG11000195728	1/4 - 1/2 Mile SE
AF113	CAOG11000195737	1/4 - 1/2 Mile SSE
AE114	CAOG11000189834	1/4 - 1/2 Mile West
AG115	CAOG11000189853	1/4 - 1/2 Mile West
AB116	CAOG11000192938	1/4 - 1/2 Mile South
AF117	CAOG11000221626	1/4 - 1/2 Mile SSE
AG118	CAOG11000189844	1/4 - 1/2 Mile West

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
AB119	CAOG11000192939	1/4 - 1/2 Mile South
AF120	CAOG11000195718	1/4 - 1/2 Mile SSE
AE121	CAOG11000189854	1/2 - 1 Mile West
AC122	CAOG11000200889	1/2 - 1 Mile South
Z123	CAOG11000195730	1/2 - 1 Mile SE
AH124	CAOG11000206508	1/2 - 1 Mile SW
AI125	CAOG11000189945	1/2 - 1 Mile WNW
AG126	CAOG11000193161	1/2 - 1 Mile West
AH127	CAOG11000206515	1/2 - 1 Mile SW
AI128	CAOG11000189930	1/2 - 1 Mile WNW
AJ129	CAOG11000206488	1/2 - 1 Mile WSW
AK130	CAOG11000195739	1/2 - 1 Mile SE
Z131	CAOG11000195887	1/2 - 1 Mile SE
AG134	CAOG11000189934	1/2 - 1 Mile West
AG132	CAOG11000189932	1/2 - 1 Mile West
AG133	CAOG11000189933	1/2 - 1 Mile West
AJ135	CAOG11000206518	1/2 - 1 Mile WSW
AL136	CAOG11000189826	1/2 - 1 Mile West
AB137	CAOG11000195726	1/2 - 1 Mile South
AD138	CAOG11000198602	1/2 - 1 Mile SSE
AD139	CAOG11000198655	1/2 - 1 Mile SSE
AD140	CAOG11000195908	1/2 - 1 Mile SSE
AJ141	CAOG11000206511	1/2 - 1 Mile WSW
AK142	CAOG11000196893	1/2 - 1 Mile SE
AG143	CAOG11000189833	1/2 - 1 Mile West
AB144	CAOG11000222216	1/2 - 1 Mile South
AI145	CAOG11000189925	1/2 - 1 Mile WNW
AM146	CAOG11000206481	1/2 - 1 Mile WSW
AN147	CAOG11000222347	1/2 - 1 Mile South
AI148	CAOG11000205592	1/2 - 1 Mile WNW
AF149	CAOG11000195736	1/2 - 1 Mile SSE
AI150	CAOG11000205643	1/2 - 1 Mile WNW
AN151	CAOG11000222123	1/2 - 1 Mile South
AO152	CAOG11000195729	1/2 - 1 Mile SE
AM153	CAOG11000206502	1/2 - 1 Mile WSW
154	CAOG11000206539	1/2 - 1 Mile South
AK155	CAOG11000195880	1/2 - 1 Mile SE
AO156	CAOG11000195721	1/2 - 1 Mile SE
AP157	CAOG11000206479	1/2 - 1 Mile West
AL158	CAOG11000206498	1/2 - 1 Mile West
AL159	CAOG11000206495	1/2 - 1 Mile West
AN160	CAOG11000195733	1/2 - 1 Mile SSE
AQ161	CAOG11000189827	1/2 - 1 Mile West
AQ162	CAOG11000189849	1/2 - 1 Mile West
AQ163	CAOG11000189946	1/2 - 1 Mile West
AO164	CAOG11000195896	1/2 - 1 Mile SE
165	CAOG11000206514	1/2 - 1 Mile SW
AQ166	CAOG11000189832	1/2 - 1 Mile West
AO167	CAOG11000195888	1/2 - 1 Mile SE
AP168	CAOG11000206499	1/2 - 1 Mile West
AR169	CAOG11000189840	1/2 - 1 Mile WNW
AP170	CAOG11000206485	1/2 - 1 Mile West
AR171	CAOG11000189936	1/2 - 1 Mile WNW
AR172	CAOG11000189937	1/2 - 1 Mile WNW
AR173	CAOG11000189938	1/2 - 1 Mile WNW
AS174	CAOG11000195907	1/2 - 1 Mile SE

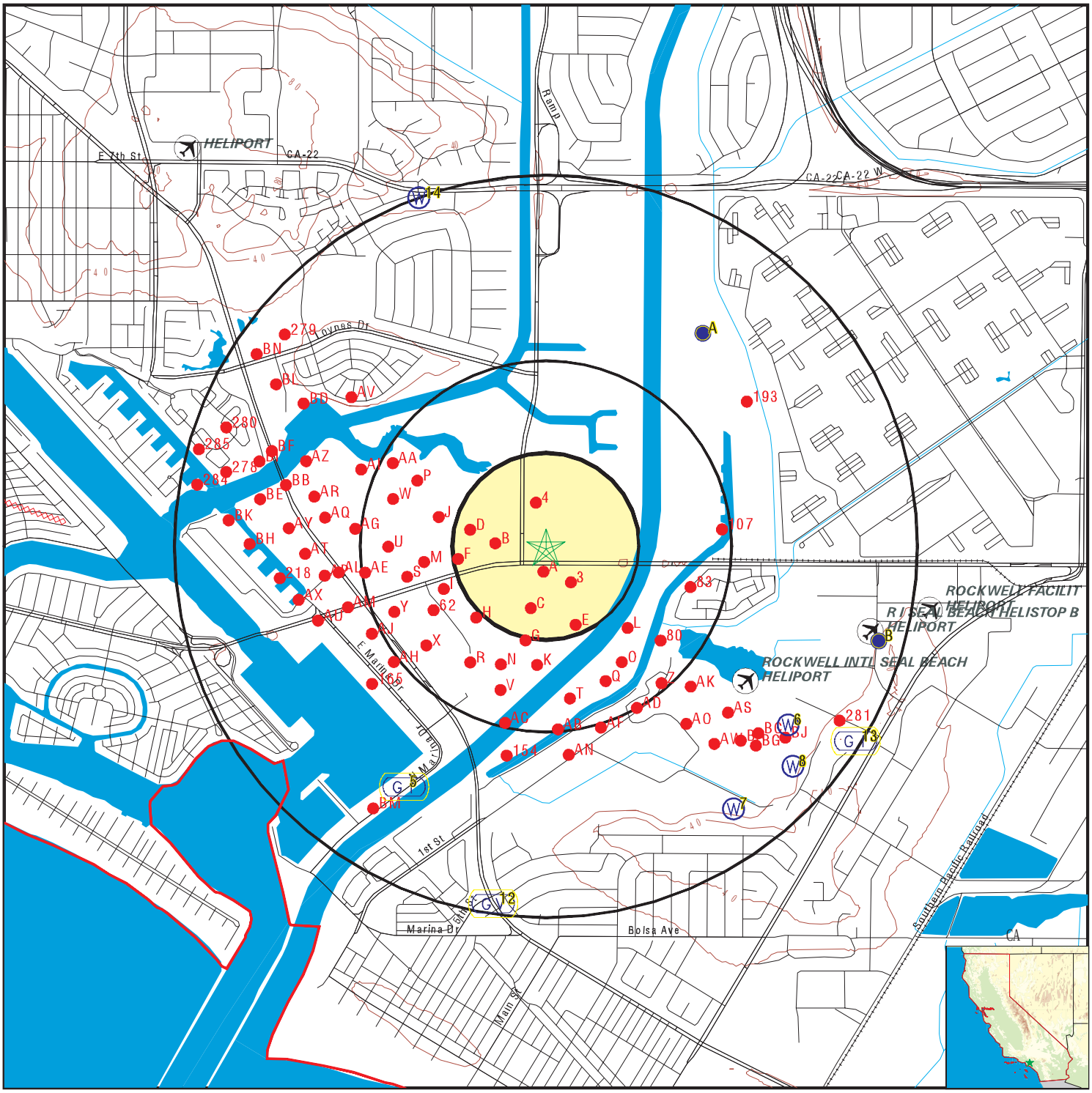
STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
AT175	CAOG11000206482	1/2 - 1 Mile West
AO176	CAOG11000220111	1/2 - 1 Mile SE
AO177	CAOG11000195879	1/2 - 1 Mile SE
AU178	CAOG11000205564	1/2 - 1 Mile WSW
AO179	CAOG11000195731	1/2 - 1 Mile SE
AS180	CAOG11000195724	1/2 - 1 Mile SE
AQ181	CAOG11000189848	1/2 - 1 Mile West
AR182	CAOG11000189851	1/2 - 1 Mile WNW
AT183	CAOG11000206489	1/2 - 1 Mile West
AV184	CAOG11000206493	1/2 - 1 Mile NW
AO185	CAOG11000196903	1/2 - 1 Mile SE
AT186	CAOG11000206510	1/2 - 1 Mile West
AR187	CAOG11000189948	1/2 - 1 Mile WNW
AR188	CAOG11000189949	1/2 - 1 Mile WNW
AR189	CAOG11000189950	1/2 - 1 Mile WNW
AR190	CAOG11000189828	1/2 - 1 Mile West
AW191	CAOG11000195722	1/2 - 1 Mile SE
AU192	CAOG11000206129	1/2 - 1 Mile WSW
193	CAOG11000206534	1/2 - 1 Mile NE
AX194	CAOG11000205645	1/2 - 1 Mile WSW
AW195	CAOG11000196892	1/2 - 1 Mile SE
AY196	CAOG11000206497	1/2 - 1 Mile West
AV197	CAOG11000200683	1/2 - 1 Mile NW
AZ198	CAOG11000190467	1/2 - 1 Mile WNW
AT199	CAOG11000206480	1/2 - 1 Mile West
AY200	CAOG11000206496	1/2 - 1 Mile West
AZ201	CAOG11000206506	1/2 - 1 Mile WNW
AY202	CAOG11000206494	1/2 - 1 Mile West
AY203	CAOG11000206483	1/2 - 1 Mile West
BA204	CAOG11000195889	1/2 - 1 Mile SE
AS205	CAOG11000195732	1/2 - 1 Mile SE
AS207	CAOG11000195882	1/2 - 1 Mile SE
AS206	CAOG11000195881	1/2 - 1 Mile SE
AX208	CAOG11000206838	1/2 - 1 Mile West
BB209	CAOG11000190469	1/2 - 1 Mile WNW
AZ210	CAOG11000190457	1/2 - 1 Mile WNW
AW211	CAOG11000196902	1/2 - 1 Mile SE
BB212	CAOG11000190466	1/2 - 1 Mile WNW
BB213	CAOG11000190456	1/2 - 1 Mile WNW
AW214	CAOG11000195717	1/2 - 1 Mile SE
AY215	CAOG11000206490	1/2 - 1 Mile West
AW216	CAOG11000195740	1/2 - 1 Mile SE
AW217	CAOG11000195738	1/2 - 1 Mile SE
218	CAOG11000206127	1/2 - 1 Mile West
BA219	CAOG11000195734	1/2 - 1 Mile SE
BA220	CAOG11000195735	1/2 - 1 Mile SE
BA221	CAOG11000195723	1/2 - 1 Mile SE
BA222	CAOG11000195725	1/2 - 1 Mile SE
BC223	CAOG11000195909	1/2 - 1 Mile SE
BC224	CAOG11000195910	1/2 - 1 Mile SE
BB225	CAOG11000206484	1/2 - 1 Mile West
BA226	CAOG11000195894	1/2 - 1 Mile SE
BB227	CAOG11000206512	1/2 - 1 Mile West
BA228	CAOG11000195895	1/2 - 1 Mile SE
AY229	CAOG11000206486	1/2 - 1 Mile West
BA230	CAOG11000195903	1/2 - 1 Mile SE

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
BA231	CAOG11000195904	1/2 - 1 Mile SE
BA232	CAOG11000195905	1/2 - 1 Mile SE
BD233	CAOG11000206492	1/2 - 1 Mile WNW
BD234	CAOG11000190463	1/2 - 1 Mile WNW
BA238	CAOG11000195901	1/2 - 1 Mile SE
BA237	CAOG11000195902	1/2 - 1 Mile SE
BA236	CAOG11000195899	1/2 - 1 Mile SE
BA235	CAOG11000195900	1/2 - 1 Mile SE
BD239	CAOG11000190460	1/2 - 1 Mile WNW
BE240	CAOG11000206491	1/2 - 1 Mile West
BD241	CAOG11000190459	1/2 - 1 Mile WNW
BD242	CAOG11000190464	1/2 - 1 Mile WNW
BF243	CAOG11000206509	1/2 - 1 Mile WNW
BA244	CAOG11000195898	1/2 - 1 Mile SE
BC245	CAOG11000195897	1/2 - 1 Mile SE
BG246	CAOG11000195906	1/2 - 1 Mile SE
BC248	CAOG11000195886	1/2 - 1 Mile SE
BC247	CAOG11000195885	1/2 - 1 Mile SE
BG249	CAOG11000198656	1/2 - 1 Mile SE
BC250	CAOG11000195884	1/2 - 1 Mile SE
BH251	CAOG11000205563	1/2 - 1 Mile West
BC252	CAOG11000195883	1/2 - 1 Mile SE
BC253	CAOG11000195890	1/2 - 1 Mile SE
BE254	CAOG11000206500	1/2 - 1 Mile West
BG255	CAOG11000195891	1/2 - 1 Mile SE
BG256	CAOG11000195892	1/2 - 1 Mile SE
BG257	CAOG11000195893	1/2 - 1 Mile SE
BI258	CAOG11000206507	1/2 - 1 Mile WNW
BE259	CAOG11000206487	1/2 - 1 Mile West
BF260	CAOG11000190465	1/2 - 1 Mile WNW
BI261	CAOG11000190468	1/2 - 1 Mile WNW
BI262	CAOG11000214468	1/2 - 1 Mile WNW
BH263	CAOG11000205658	1/2 - 1 Mile West
BJ264	CAOG11000196886	1/2 - 1 Mile SE
BJ266	CAOG11000196888	1/2 - 1 Mile SE
BJ265	CAOG11000196887	1/2 - 1 Mile SE
BJ267	CAOG11000196889	1/2 - 1 Mile SE
BJ268	CAOG11000196890	1/2 - 1 Mile SE
BJ269	CAOG11000196891	1/2 - 1 Mile SE
BK270	CAOG11000205646	1/2 - 1 Mile West
BL271	CAOG11000190461	1/2 - 1 Mile WNW
BL272	CAOG11000190462	1/2 - 1 Mile WNW
BM273	CAOG11000200442	1/2 - 1 Mile SSW
BM274	CAOG11000200441	1/2 - 1 Mile SSW
BL275	CAOG11000190458	1/2 - 1 Mile WNW
BL276	CAOG11000190470	1/2 - 1 Mile WNW
BK277	CAOG11000205287	1/2 - 1 Mile West
278	CAOG11000206501	1/2 - 1 Mile WNW
279	CAOG11000206519	1/2 - 1 Mile NW
280	CAOG11000206516	1/2 - 1 Mile WNW
281	CAOG11000217278	1/2 - 1 Mile ESE
BN282	CAOG11000206521	1/2 - 1 Mile NW
BN283	CAOG11000206520	1/2 - 1 Mile WNW
284	CAOG11000205657	1/2 - 1 Mile West
285	CAOG11000206517	1/2 - 1 Mile WNW

PHYSICAL SETTING SOURCE MAP - 4576293.2s



0 1/4 1/2 1 Miles

- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME:	Pumpkin Patch and LCWA	CLIENT:	Advanced Env. Concepts
ADDRESS:	Studebaker Road Long Beach CA 90803	CONTACT:	Vanessa Radsick
LAT/LONG:	33.760278 / 118.102734	INQUIRY #:	4576293.2s
		DATE:	March 28, 2016 7:59 pm

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Map ID Direction Distance Elevation	Database	EDR ID Number
A1 **NE** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CADW60000035959**

Objectid:	35959
Latitude:	33.7686
Longitude:	-118.096
Site code:	337686N1180960W001
State well numbe:	05S12W01E002S
Local well name:	”
Well use id:	6
Well use descrip:	Unknown
County id:	19
County name:	Los Angeles
Basin code:	’4-11.04’
Basin desc:	Central
Dwr region id:	80238
Dwr region:	Southern Region Office
Site id:	CADW60000035959

A2 **NE** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CADW60000023076**

Objectid:	23076
Latitude:	33.7686
Longitude:	-118.0957
Site code:	337686N1180957W001
State well numbe:	05S12W01E001S
Local well name:	”
Well use id:	6
Well use descrip:	Unknown
County id:	19
County name:	Los Angeles
Basin code:	’4-11.04’
Basin desc:	Central
Dwr region id:	80238
Dwr region:	Southern Region Office
Site id:	CADW60000023076

A3 **NE** **1/2 - 1 Mile** **Lower**	**FED USGS**	**USGS40000138016**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-334607118053901		
Monloc name:	005S012W01E002S		
Monloc type:	Well		
Monloc desc:	ORIGINAL DEPTH 187 FT, SOUNDED 173.5 FT 8/95		
Huc code:	18070106	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.7686281
Longitude:	-118.0950643	Sourcemap scale:	24000

Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	10.1
Vert measure units:	feet	Vertacc measure val:	1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19590601	Welldepth:	173.5
Welldepth units:	ft	Wellholedepth:	210
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1995-08-30	11.42	

A4
NE
1/2 - 1 Mile
Lower

FED USGS **USGS40000138015**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-334607118053801		
Monloc name:	005S012W01E001S		
Monloc type:	Well		
Monloc desc:	ORIGINAL DEPTH 635 FT, SOUNDED AT 630.95 FT 8/95		
Huc code:	18070106	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.7686281
Longitude:	-118.0947865	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	10.2
Vert measure units:	feet	Vertacc measure val:	1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19590529	Welldepth:	630.95
Welldepth units:	ft	Wellholedepth:	900
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1995-08-30	42.68	

5
SSW
1/2 - 1 Mile
Higher

AQUIFLOW **55245**

Site ID:	90803125
Groundwater Flow:	Not Reported
Shallow Water Depth:	7
Deep Water Depth:	14
Average Water Depth:	Not Reported
Date:	10/1987

Map ID Direction Distance Elevation	Database	EDR ID Number
6 **SE** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CADW60000023077**

Objectid:	23077
Latitude:	33.7533
Longitude:	-118.0914
Site code:	337533N1180914W001
State well numbe:	05S12W12E001S
Local well name:	’’
Well use id:	6
Well use descrip:	Unknown
County id:	30
County name:	Orange
Basin code:	’8-1’
Basin desc:	Coastal Plain Of Orange County
Dwr region id:	80238
Dwr region:	Southern Region Office
Site id:	CADW60000023077

---

7 **SE** **1/2 - 1 Mile** **Lower**		**FED USGS**	**USGS40000137857**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-334500118053501		
Monloc name:	005S012W12M002S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18070106	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.7500173
Longitude:	-118.0939528	Sourcemap scale:	Not Reported
Horiz Acc measure:	Unknown	Horiz Acc measure units:	Unknown
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	Not Reported
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported
Vert accmeasure units:	Not Reported		
Vertcollection method:	Not Reported		
Vert coord refsys:	Not Reported	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

---

8 **SE** **1/2 - 1 Mile** **Lower**	**FED USGS**	**USGS40000137881**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-334506118052501		
Monloc name:	005S012W12M001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18070106	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.7516839
Longitude:	-118.0911749	Sourcemap scale:	Not Reported
Horiz Acc measure:	Unknown	Horiz Acc measure units:	Unknown
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	Not Reported
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported
Vert accmeasure units:	Not Reported		
Vertcollection method:	Not Reported		
Vert coord refsys:	Not Reported	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

B9
ESE
1/2 - 1 Mile
Lower

AQUIFLOW **65314**

Site ID:	083001437T
Groundwater Flow:	Not Reported
Shallow Water Depth:	15.04
Deep Water Depth:	23
Average Water Depth:	Not Reported
Date:	08/20/1986

B10
ESE
1/2 - 1 Mile
Higher

FED USGS **USGS40000137910**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-334522118051101		
Monloc name:	005S012W13C002S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18070201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.7561282
Longitude:	-118.087286	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	8.72
Vert measure units:	feet	Vertacc measure val:	.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		

Aquifer type:	Not Reported		
Construction date:	19840925	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	12.5
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1985-01-23	7.02	

B11
ESE
1/2 - 1 Mile
Higher

FED USGS **USGS40000137912**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-334524118051001		
Monloc name:	005S012W12C001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18070106	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.7566837
Longitude:	-118.0870082	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	10.75
Vert measure units:	feet	Vertacc measure val:	.01
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	705
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 57

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1985-02-28					
Note: The measurement was discontinued.					
1982-11-04	49.01		1982-08-04	47.95	
1982-05-07	36.98		1982-01-29	38.37	
1981-11-10	46.48		1981-08-06	43.01	
1981-05-12	33.83		1981-02-05	36.87	
1980-10-31	44.01		1980-08-25	48.12	
1980-06-18	39.70		1980-02-06	38.48	
1979-11-07	48.92		1979-07-30	43.49	
1979-05-03	34.15		1979-02-07	37.91	
1978-11-06	54.35		1978-10-17	55.00	
1977-01-11	54.15		1976-11-01	49.55	
1976-05-06	52.55		1976-02-26	48.65	
1976-01-02	50.15		1975-11-05	53.05	
1975-08-26	47.25		1975-05-02	38.45	

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1975-03-15	38.15		1975-01-07	43.45	
1974-10-29	50.75		1974-09-03	54.05	
1974-07-05	43.95		1974-05-03	41.75	
1974-03-20	39.35		1974-01-30	41.05	
1973-11-07	49.15		1973-07-09	51.05	
1973-05-11	42.05		1973-03-13	35.15	
1973-01-10	44.75		1972-11-03	50.75	
1972-09-07	40.95		1972-07-13	39.15	
1972-05-03	37.55		1972-03-02	27.95	
1971-09-01	32.35		1971-07-15	35.05	
1971-04-21	26.75		1971-03-05	21.85	
1970-11-04	36.35		1970-10-07	34.55	
1970-08-11	31.75		1970-07-02	30.25	
1970-06-03	27.25		1970-04-02	21.45	
1970-02-06	20.75		1970-01-05	20.25	

12
South
1/2 - 1 Mile
Lower

AQUIFLOW **34232**

Site ID:	083000462T
Groundwater Flow:	Varies
Shallow Water Depth:	Not Reported
Deep Water Depth:	Not Reported
Average Water Depth:	5.98’
Date:	10/21/1998

13
ESE
1/2 - 1 Mile
Higher

AQUIFLOW **65335**

Site ID:	083001155T
Groundwater Flow:	NW, SE
Shallow Water Depth:	Not Reported
Deep Water Depth:	Not Reported
Average Water Depth:	5.2
Date:	04/21/1998

14
NNW
1/2 - 1 Mile
Higher

FED USGS **USGS40000138076**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-334626118062801		
Monloc name:	005S012W02C001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18070106	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.7739059
Longitude:	-118.108676	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	25.00
Vert measure units:	feet	Vertacc measure val:	2.5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		

Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	1020
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1977-02-03	26.80	

Map ID Direction Distance	Database	EDR ID Number

A1
SSW
0 - 1/8 Mile

OIL_GAS **CAOG11000206175**

District nun:	1	Api number:	03707998
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Shell Western Exploration & Production Inc.		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	Alamitos	Section:	2
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Bryant	Wellnumber:	9
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206175		

A2
South
0 - 1/8 Mile

OIL_GAS **CAOG11000206174**

District nun:	1	Api number:	03707997
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Shell Western Exploration & Production Inc.		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	Alamitos	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Bryant	Wellnumber:	8
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206174		

3
SE
0 - 1/8 Mile

OIL_GAS **CAOG11000206176**

District nun:	1	Api number:	03707999
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Shell Western Exploration & Production Inc.		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	Alamitos	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Bryant	Wellnumber:	10
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206176		

4
NNW **OIL_GAS** **CAOG11000206846**
0 - 1/8 Mile

District nun:	1	Api number:	03708984
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Union Oil Company of California		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	Alamitos	Section:	2
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Bryant	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000206846		

B5
West **OIL_GAS** **CAOG11000189634**
0 - 1/8 Mile

District nun:	1	Api number:	03706351
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Synergy Oil & Gas, LLC		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	North Block	Section:	2
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	10.181
Locationde:	Not Reported		
Gissourcec:	gps		

Comments:	68809088.ssf		
Leasename:	Bixby A	Wellnumber:	53
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWD
Site id:	CAOG11000189634		

C6
SSW **OIL_GAS** **CAOG11000205561**
1/8 - 1/4 Mile

District nun:	1	Api number:	03706954
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Asphalt Petro. Co. of Calif.		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	Alamitos	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Rancho	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000205561		

B7
WSW **OIL_GAS** **CAOG11000189860**
1/8 - 1/4 Mile

District nun:	1	Api number:	03707021
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Synergy Oil & Gas, LLC		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	North Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	3.594
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809148.ssf		
Leasename:	Bixby A	Wellnumber:	48
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000189860		

Map ID Direction Distance	Database	EDR ID Number

C8
SSW
1/8 - 1/4 Mile

OIL_GAS **CAOG11000206177**

District nun:	1	Api number:	03708000
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Shell Western Exploration & Production Inc.		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	Alamitos	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Bryant	Wellnumber:	11
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206177		

C9
SW
1/8 - 1/4 Mile

OIL_GAS **CAOG11000189941**

District nun:	1	Api number:	03707140
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Synergy Oil & Gas, LLC		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	North Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	4.226
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809148.ssf		
Leasename:	Bixby A	Wellnumber:	68
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000189941		

B10
WNW
1/8 - 1/4 Mile

OIL_GAS **CAOG11000189928**

District nun:	1	Api number:	03707130
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Synergy Oil & Gas, LLC		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	North Block	Section:	2
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	6.028
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809088.ssf		
Leasename:	Bixby A	Wellnumber:	58
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000189928		

B11
WNW
1/8 - 1/4 Mile

OIL_GAS **CAOG11000205642**

District nun:	1	Api number:	03707145
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Synergy Oil & Gas, LLC		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	Alamitos	Section:	2
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Bixby A	Wellnumber:	74
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	POG
Site id:	CAOG11000205642		

C12
South
1/8 - 1/4 Mile

OIL_GAS **CAOG11000213639**

District nun:	1	Api number:	03718812
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Signal Hill Petroleum, Inc.		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	North Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

Comments:	Not Reported		
Leasename:	Bryant	Wellnumber:	27
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213639		

D13
WNW
1/8 - 1/4 Mile

OIL_GAS **CAOG11000189943**

District nun:	1	Api number:	03707142
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Synergy Oil & Gas, LLC		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	North Block	Section:	2
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	5.636
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809088.ssf		
Leasename:	Bixby A	Wellnumber:	70
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000189943		

C14
South
1/8 - 1/4 Mile

OIL_GAS **CAOG11000206170**

District nun:	1	Api number:	03707993
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Shell Western Exploration & Production Inc.		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	Alamitos	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Bryant	Wellnumber:	4
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000206170		

Map ID
Direction
Distance

Database | EDR ID Number

E15
SSE
1/8 - 1/4 Mile

OIL_GAS **CAOG11000206474**

District nun:	1	Api number:	03708485
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	North Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Bryant Lw	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206474		

C16
South
1/8 - 1/4 Mile

OIL_GAS **CAOG11000192935**

District nun:	1	Api number:	03718811
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Signal Hill Petroleum, Inc.		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	North Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	7.847
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809148.ssf		
Leasename:	Bryant	Wellnumber:	26
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000192935		

C17
SSW
1/8 - 1/4 Mile

OIL_GAS **CAOG11000189838**

District nun:	1	Api number:	03706992
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Synergy Oil & Gas, LLC		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	South Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	8.565
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809148.ssf		
Leasename:	Bixby A	Wellnumber:	19
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000189838		

C18
South **OIL_GAS** **CAOG11000213642**
1/8 - 1/4 Mile

District nun:	1	Api number:	03718819
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Signal Hill Petroleum, Inc.		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	North Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Bryant	Wellnumber:	31
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PWD
Site id:	CAOG11000213642		

E19
SE **OIL_GAS** **CAOG11000206171**
1/8 - 1/4 Mile

District nun:	1	Api number:	03707994
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Signal Hill Petroleum, Inc.		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	North Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

Comments:	Not Reported		
Leasename:	Bryant	Wellnumber:	5N
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206171		

D20
West
1/8 - 1/4 Mile

OIL_GAS **CAOG11000205577**

District nun:	1	Api number:	03706973
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Synergy Oil & Gas, LLC		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	Alamitos	Section:	2
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Bixby A	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000205577		

F21
West
1/8 - 1/4 Mile

OIL_GAS **CAOG11000189861**

District nun:	1	Api number:	03707022
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Synergy Oil & Gas, LLC		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	North Block	Section:	2
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	6.196
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809088.ssf		
Leasename:	Bixby A	Wellnumber:	49
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000189861		

Map ID Direction Distance	Database	EDR ID Number

F22
WSW
1/8 - 1/4 Mile

OIL_GAS **CAOG11000205590**

District nun:	1	Api number:	03707017
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Synergy Oil & Gas, LLC		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	South Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Bixby A	Wellnumber:	44
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205590		

G23
SSW
1/8 - 1/4 Mile

OIL_GAS **CAOG11000192937**

District nun:	1	Api number:	03718815
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Signal Hill Petroleum, Inc.		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	South Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	8.688
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809148.ssf		
Leasename:	Bryant	Wellnumber:	30
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000192937		

H24
SW
1/8 - 1/4 Mile

OIL_GAS **CAOG11000189839**

District nun:	1	Api number:	03706994
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Synergy Oil & Gas, LLC		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	South Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	17.013
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809148.ssf		
Leasename:	Bixby A	Wellnumber:	21
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000189839		

H25
SW
1/8 - 1/4 Mile

OIL_GAS **CAOG11000189855**

District nun:	1	Api number:	03707015
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Synergy Oil & Gas, LLC		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	South Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	11.998
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809148.ssf		
Leasename:	Bixby A	Wellnumber:	42
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000189855		

E26
SSE
1/8 - 1/4 Mile

OIL_GAS **CAOG11000206475**

District nun:	1	Api number:	03708486
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	North Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

Comments:	Not Reported		
Leasename:	Bryant Lw	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206475		

E27
SSE **OIL_GAS** **CAOG11000192936**
1/8 - 1/4 Mile

District nun:	1	Api number:	03718813
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Signal Hill Petroleum, Inc.		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	North Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	9.331
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809148.ssf		
Leasename:	Bryant	Wellnumber:	28
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000192936		

G28
SSW **OIL_GAS** **CAOG11000189830**
1/8 - 1/4 Mile

District nun:	1	Api number:	03706983
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Synergy Oil & Gas, LLC		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	South Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	5.528
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809148.ssf		
Leasename:	Bixby A	Wellnumber:	10
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000189830		

Map ID Direction Distance	Database	EDR ID Number

D29
WNW
1/8 - 1/4 Mile

OIL_GAS **CAOG11000189929**

District nun:	1	Api number:	03707131
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Synergy Oil & Gas, LLC		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	North Block	Section:	2
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	8.396
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809088.ssf		
Leasename:	Bixby A	Wellnumber:	59
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000189929		

H30
WSW
1/4 - 1/2 Mile

OIL_GAS **CAOG11000189856**

District nun:	1	Api number:	03707016
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Synergy Oil & Gas, LLC		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	South Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	15.442
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809148.ssf		
Leasename:	Bixby A	Wellnumber:	43
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000189856		

G31
South
1/4 - 1/2 Mile

OIL_GAS **CAOG11000190472**

District nun:	1	Api number:	03708568
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Signal Hill Petroleum, Inc.		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	South Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	4.542
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809148.ssf		
Leasename:	Bryant	Wellnumber:	3
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190472		

I32
WSW **OIL_GAS** **CAOG11000189842**
1/4 - 1/2 Mile

District nun:	1	Api number:	03706998
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Synergy Oil & Gas, LLC		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	South Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	15.544
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809148.ssf		
Leasename:	Bixby A	Wellnumber:	25
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000189842		

E33
SSE **OIL_GAS** **CAOG11000213638**
1/4 - 1/2 Mile

District nun:	1	Api number:	03718810
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Signal Hill Petroleum, Inc.		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	North Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

Comments:	Not Reported		
Leasename:	Bryant	Wellnumber:	25
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213638		

G34
SSW
1/4 - 1/2 Mile

OIL_GAS **CAOG11000189944**

District nun:	1	Api number:	03707144
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Synergy Oil & Gas, LLC		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	South Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	6.151
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809148.ssf		
Leasename:	Bixby A	Wellnumber:	80
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000189944		

G35
South
1/4 - 1/2 Mile

OIL_GAS **CAOG11000213641**

District nun:	1	Api number:	03718818
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Signal Hill Petroleum, Inc.		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	South Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Bryant	Wellnumber:	15
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213641		

Map ID Direction Distance	Database	EDR ID Number

F36
West
1/4 - 1/2 Mile

OIL_GAS **CAOG11000189857**

District nun:	1	Api number:	03707018
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Synergy Oil & Gas, LLC		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	South Block	Section:	2
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	7.722
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809088.ssf		
Leasename:	Bixby A	Wellnumber:	45
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000189857		

G37
South
1/4 - 1/2 Mile

OIL_GAS **CAOG11000206543**

District nun:	1	Api number:	03708572
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Signal Hill Petroleum, Inc.		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	South Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Bryant	Wellnumber:	7
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	POG
Site id:	CAOG11000206543		

J38
WNW
1/4 - 1/2 Mile

OIL_GAS **CAOG11000189850**

District nun:	1	Api number:	03707009
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Synergy Oil & Gas, LLC		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	South Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	17.57
Locationde:	Not Reported		
Gissourcec:	sum		
Comments:	DF = 9.57’		
Leasename:	Bixby A	Wellnumber:	36
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	04-SEP-12
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000189850		

G39
SSW **OIL_GAS** **CAOG11000205581**
1/4 - 1/2 Mile

District nun:	1	Api number:	03706982
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Synergy Oil & Gas, LLC		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	Alamitos	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Bixby A	Wellnumber:	9
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205581		

H40
SSW **OIL_GAS** **CAOG11000189835**
1/4 - 1/2 Mile

District nun:	1	Api number:	03706989
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Synergy Oil & Gas, LLC		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	South Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	9.142
Locationde:	Not Reported		
Gissourcec:	gps		

Comments:	68809148.ssf		
Leasename:	Bixby A	Wellnumber:	16
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000189835		

K41
South
1/4 - 1/2 Mile

OIL_GAS **CAOG11000190474**

District nun:	1	Api number:	03708575
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Signal Hill Petroleum, Inc.		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	South Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	5.874
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809148.ssf		
Leasename:	Bryant	Wellnumber:	12
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000190474		

J42
West
1/4 - 1/2 Mile

OIL_GAS **CAOG11000189858**

District nun:	1	Api number:	03707019
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	N
Operator name:	Synergy Oil & Gas, LLC		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	South Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	3.82
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809088.ssf		
Leasename:	Bixby A	Wellnumber:	46
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWD
Site id:	CAOG11000189858		

Map ID
Direction
Distance

	Database	EDR ID Number

J43
West
1/4 - 1/2 Mile

OIL_GAS **CAOG11000189859**

District nun:	1	Api number:	03707019
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	N
Operator name:	Synergy Oil & Gas, LLC		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	South Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	3.82
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809088.ssf		
Leasename:	Bixby A	Wellnumber:	46
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWD
Site id:	CAOG11000189859		

J44
WNW
1/4 - 1/2 Mile

OIL_GAS **CAOG11000189940**

District nun:	1	Api number:	03707139
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Synergy Oil & Gas, LLC		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	North Block	Section:	2
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	3.978
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809088.ssf		
Leasename:	Bixby A	Wellnumber:	67
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000189940		

H46
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG11000205586**

District nun:	1	Api number:	03707000
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Synergy Oil & Gas, LLC		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	South Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Bixby A	Wellnumber:	27
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	PWD
Site id:	CAOG11000205586		

H45
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG11000205585**

District nun:	1	Api number:	03707000
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Synergy Oil & Gas, LLC		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	South Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Bixby A	Wellnumber:	27
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	PWD
Site id:	CAOG11000205585		

L47
SE
1/4 - 1/2 Mile

OIL_GAS **CAOG11000206173**

District nun:	1	Api number:	03707996
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Shell Western Exploration & Production Inc.		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	Alamitos	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

Comments:	Not Reported		
Leasename:	Bryant	Wellnumber:	7
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206173		

I48
WSW **OIL_GAS** **CAOG11000189935**
1/4 - 1/2 Mile

District nun:	1	Api number:	03707136
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Synergy Oil & Gas, LLC		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	South Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	10.3
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809148.ssf		
Leasename:	Bixby A	Wellnumber:	64
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000189935		

K49
South **OIL_GAS** **CAOG11000206540**
1/4 - 1/2 Mile

District nun:	1	Api number:	03708567
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Signal Hill Petroleum, Inc.		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	South Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Bryant	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206540		

Map ID Direction Distance	Database	EDR ID Number

K50
South
1/4 - 1/2 Mile

OIL_GAS **CAOG11000190473**

District nun:	1	Api number:	03708569
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Signal Hill Petroleum, Inc.		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	South Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	4.82
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809148.ssf		
Leasename:	Bryant	Wellnumber:	4
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000190473		

M51
West
1/4 - 1/2 Mile

OIL_GAS **CAOG11000189951**

District nun:	1	Api number:	03707151
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Synergy Oil & Gas, LLC		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	South Block	Section:	2
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	8.19
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809088.ssf		
Leasename:	Bixby A	Wellnumber:	81
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000189951		

M52
West
1/4 - 1/2 Mile

OIL_GAS **CAOG11000189843**

District nun:	1	Api number:	03706999
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Synergy Oil & Gas, LLC		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	South Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	5.594
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809088.ssf		
Leasename:	Bixby A	Wellnumber:	26
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PWD
Site id:	CAOG11000189843		

N53
SSW **OIL_GAS** **CAOG11000205589**
1/4 - 1/2 Mile

District nun:	1	Api number:	03707010
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Synergy Oil & Gas, LLC		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	Alamitos	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Bixby A	Wellnumber:	37
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205589		

L54
SE **OIL_GAS** **CAOG11000192933**
1/4 - 1/2 Mile

District nun:	1	Api number:	03718805
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Signal Hill Petroleum, Inc.		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	North Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	11.863
Locationde:	Not Reported		
Gissourcec:	gps		

Comments:	68809148.ssf		
Leasename:	Bryant	Wellnumber:	18
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWD
Site id:	CAOG11000192933		

K55
South
1/4 - 1/2 Mile

OIL_GAS **CAOG11000213633**

District nun:	1	Api number:	03718803
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Signal Hill Petroleum, Inc.		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	South Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Bryant	Wellnumber:	14
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213633		

J56
WNW
1/4 - 1/2 Mile

OIL_GAS **CAOG11000189862**

District nun:	1	Api number:	03707023
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Synergy Oil & Gas, LLC		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	North Block	Section:	2
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	1.38
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809088.ssf		
Leasename:	Bixby A	Wellnumber:	50
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000189862		

Map ID Direction Distance	Database	EDR ID Number

K57
South
1/4 - 1/2 Mile

OIL_GAS **CAOG11000213640**

District nun:	1	Api number:	03718814
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Signal Hill Petroleum, Inc.		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	South Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Bryant	Wellnumber:	29
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213640		

I58
WSW
1/4 - 1/2 Mile

OIL_GAS **CAOG11000205587**

District nun:	1	Api number:	03707002
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Synergy Oil & Gas, LLC		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	Alamitos	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Bixby A	Wellnumber:	29
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205587		

O59
SE
1/4 - 1/2 Mile

OIL_GAS **CAOG11000213636**

District nun:	1	Api number:	03718807
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Signal Hill Petroleum, Inc.		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	Alamitos	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Bryant	Wellnumber:	22
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213636		

N60
SSW **OIL_GAS** **CAOG11000189836**
1/4 - 1/2 Mile

District nun:	1	Api number:	03706990
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Synergy Oil & Gas, LLC		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	South Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	11.367
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809148.ssf		
Leasename:	Bixby A	Wellnumber:	17
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000189836		

N61
SSW **OIL_GAS** **CAOG11000189829**
1/4 - 1/2 Mile

District nun:	1	Api number:	03706981
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Synergy Oil & Gas, LLC		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	South Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	7.668
Locationde:	Not Reported		
Gissourcec:	gps		

Comments:	68809148.ssf		
Leasename:	Bixby A	Wellnumber:	8
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000189829		

62
WSW **OIL_GAS** **CAOG11000205578**
1/4 - 1/2 Mile

District nun:	1	Api number:	03706975
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Synergy Oil & Gas, LLC		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	Alamitos	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Bixby A	Wellnumber:	3
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205578		

O63
SSE **OIL_GAS** **CAOG11000192934**
1/4 - 1/2 Mile

District nun:	1	Api number:	03718809
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Signal Hill Petroleum, Inc.		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	North Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	8.145
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809148.ssf		
Leasename:	Bryant	Wellnumber:	24
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Not Directionally drilled	Gissymbol:	AWD
Site id:	CAOG11000192934		

Map ID
Direction
Distance

Database | EDR ID Number

P64
WNW
1/4 - 1/2 Mile

OIL_GAS **CAOG11000189927**

District nun:	1	Api number:	03707129
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Synergy Oil & Gas, LLC		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	North Block	Section:	2
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	11.957
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809088.ssf		
Leasename:	Bixby A	Wellnumber:	57
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000189927		

N65
SSW
1/4 - 1/2 Mile

OIL_GAS **CAOG11000189939**

District nun:	1	Api number:	03707138
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Synergy Oil & Gas, LLC		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	South Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	9.76
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809148.ssf		
Leasename:	Bixby A	Wellnumber:	66
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000189939		

K66
South
1/4 - 1/2 Mile

OIL_GAS **CAOG11000190471**

District nun:	1	Api number:	03708566
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Signal Hill Petroleum, Inc.		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	South Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	10.119
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809148.ssf		
Leasename:	Bryant	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000190471		

Q67
SSE **OIL_GAS** **CAOG11000205291**
1/4 - 1/2 Mile

District nun:	1	Api number:	03706396
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Signal Hill Petroleum, Inc.		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	South Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Bryant	Wellnumber:	35
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	POG
Site id:	CAOG11000205291		

M68
West **OIL_GAS** **CAOG11000189947**
1/4 - 1/2 Mile

District nun:	1	Api number:	03707148
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Synergy Oil & Gas, LLC		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	South Block	Section:	2
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	3.971
Locationde:	Not Reported		
Gissourcec:	gps		

Comments:	68809088.ssf		
Leasename:	Bixby A	Wellnumber:	77
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000189947		

R69
SW
1/4 - 1/2 Mile **OIL_GAS** **CAOG11000189852**

District nun:	1	Api number:	03707012
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Synergy Oil & Gas, LLC		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	South Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	10.862
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809148.ssf		
Leasename:	Bixby A	Wellnumber:	39
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000189852		

R70
SW
1/4 - 1/2 Mile **OIL_GAS** **CAOG11000189846**

District nun:	1	Api number:	03707004
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Synergy Oil & Gas, LLC		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	South Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	6.82
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809148.ssf		
Leasename:	Bixby A	Wellnumber:	31
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000189846		

Map ID Direction Distance	Database	EDR ID Number

S71
WSW
1/4 - 1/2 Mile

OIL_GAS **CAOG11000189825**

District nun:	1	Api number:	03706974
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Synergy Oil & Gas, LLC		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	South Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	6.044
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809088.ssf		
Leasename:	Bixby A	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000189825		

S72
West
1/4 - 1/2 Mile

OIL_GAS **CAOG11000189847**

District nun:	1	Api number:	03707005
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Synergy Oil & Gas, LLC		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	South Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	5.862
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809088.ssf		
Leasename:	Bixby A	Wellnumber:	32
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000189847		

R73
SSW
1/4 - 1/2 Mile

OIL_GAS **CAOG11000205641**

District nun:	1	Api number:	03707143
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Conoco Inc.		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	Alamitos	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Bixby A	Wellnumber:	72
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000205641		

T74
South **OIL_GAS** **CAOG11000206544**
1/4 - 1/2 Mile

District nun:	1	Api number:	03708573
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Signal Hill Petroleum, Inc.		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	South Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Bryant	Wellnumber:	10
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	POG
Site id:	CAOG11000206544		

U75
West **OIL_GAS** **CAOG11000189841**
1/4 - 1/2 Mile

District nun:	1	Api number:	03706997
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Synergy Oil & Gas, LLC		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	South Block	Section:	2
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	9.009
Locationde:	Not Reported		
Gissourcec:	gps		

Comments:	68809088.ssf		
Leasename:	Bixby A	Wellnumber:	24
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000189841		

V76
SSW **OIL_GAS** **CAOG11000189837**
1/4 - 1/2 Mile

District nun:	1	Api number:	03706991
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Synergy Oil & Gas, LLC		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	South Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	6.478
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809148.ssf		
Leasename:	Bixby A	Wellnumber:	18
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000189837		

O77
SE **OIL_GAS** **CAOG11000213637**
1/4 - 1/2 Mile

District nun:	1	Api number:	03718808
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Signal Hill Petroleum, Inc.		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	North Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Bryant	Wellnumber:	23
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213637		

Map ID
Direction
Distance

Database | EDR ID Number

O78
SSE
1/4 - 1/2 Mile

OIL_GAS **CAOG11000206167**

District nun:	1	Api number:	03707990
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Shell Western Exploration & Production Inc.		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	Alamitos	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Bryant	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206167		

O79
SE
1/4 - 1/2 Mile

OIL_GAS **CAOG11000206168**

District nun:	1	Api number:	03707991
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Shell Western Exploration & Production Inc.		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	Alamitos	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Bryant	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000206168		

80
SE
1/4 - 1/2 Mile

OIL_GAS **CAOG11000206172**

District nun:	1	Api number:	03707995
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Shell Western Exploration & Production Inc.		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	Alamitos	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Bryant	Wellnumber:	6
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206172		

P82
WNW **OIL_GAS** **CAOG11000204788**
1/4 - 1/2 Mile

District nun:	1	Api number:	03705601
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Synergy Oil & Gas, LLC		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	North Block	Section:	2
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Bixby A	Wellnumber:	73
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000204788		

P81
WNW **OIL_GAS** **CAOG11000204787**
1/4 - 1/2 Mile

District nun:	1	Api number:	03705601
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Synergy Oil & Gas, LLC		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	North Block	Section:	2
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

Comments:	Not Reported		
Leasename:	Bixby A	Wellnumber:	73
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000204787		

83
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG11000206473**

District nun:	1	Api number:	03708484
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Shell Western Exploration & Production Inc.		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	Alamitos	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Bryant Four	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000206473		

T84
South
1/4 - 1/2 Mile

OIL_GAS **CAOG11000213632**

District nun:	1	Api number:	03718802
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Signal Hill Petroleum, Inc.		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	South Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Bryant	Wellnumber:	13
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213632		

Map ID Direction Distance	Database	EDR ID Number

W85
WNW
1/4 - 1/2 Mile

OIL_GAS **CAOG11000189924**

District nun:	1	Api number:	03707126
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Synergy Oil & Gas, LLC		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	South Block	Section:	2
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	8.552
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809088.ssf		
Leasename:	Bixby A	Wellnumber:	54
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000189924		

X86
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG11000205640**

District nun:	1	Api number:	03707135
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Synergy Oil & Gas, LLC		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	Alamitos	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Bixby A	Wellnumber:	63
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205640		

Q87
SSE
1/4 - 1/2 Mile

OIL_GAS **CAOG11000206545**

District nun:	1	Api number:	03708574
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Signal Hill Petroleum, Inc.		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	South Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Bryant	Wellnumber:	11
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206545		

Q88
SSE **OIL_GAS** **CAOG11000213635**
1/4 - 1/2 Mile

District nun:	1	Api number:	03718806
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	North Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Bryant	Wellnumber:	21
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213635		

V89
SSW **OIL_GAS** **CAOG11000189831**
1/4 - 1/2 Mile

District nun:	1	Api number:	03706984
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Synergy Oil & Gas, LLC		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	South Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	0.708
Locationde:	Not Reported		
Gissourcec:	gps		

Comments:	68809148.ssf		
Leasename:	Bixby A	Wellnumber:	11
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000189831		

X90
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG11000205584**

District nun:	1	Api number:	03706996
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Synergy Oil & Gas, LLC		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	Alamitos	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Bixby A	Wellnumber:	23
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205584		

T91
South
1/4 - 1/2 Mile

OIL_GAS **CAOG11000213634**

District nun:	1	Api number:	03718804
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Signal Hill Petroleum, Inc.		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	South Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Bryant	Wellnumber:	16
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	POG
Site id:	CAOG11000213634		

Map ID Direction Distance	Database	EDR ID Number

W92
WNW
1/4 - 1/2 Mile

OIL_GAS **CAOG11000189863**

District nun:	1	Api number:	03707024
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Synergy Oil & Gas, LLC		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	North Block	Section:	2
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	13.07
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809088.ssf		
Leasename:	Bixby A	Wellnumber:	51
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000189863		

T93
SSE
1/4 - 1/2 Mile

OIL_GAS **CAOG11000206541**

District nun:	1	Api number:	03708570
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Signal Hill Petroleum, Inc.		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	South Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Bryant	Wellnumber:	5
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	POG
Site id:	CAOG11000206541		

Y94
WSW
1/4 - 1/2 Mile

OIL_GAS **CAOG11000205582**

District nun:	1	Api number:	03706988
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Synergy Oil & Gas, LLC		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	Alamitos	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Bixby A	Wellnumber:	15
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205582		

Z95
SE **OIL_GAS** **CAOG11000196904**
1/4 - 1/2 Mile

District nun:	1	Api number:	05907017
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Hellman Properties LLC		
County name:	Orange	Fieldname:	Seal Beach
Area name:	North Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	7.19
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809158.ssf		
Leasename:	Bryant	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000196904		

Z96
SE **OIL_GAS** **CAOG11000196905**
1/4 - 1/2 Mile

District nun:	1	Api number:	05907017
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Hellman Properties LLC		
County name:	Orange	Fieldname:	Seal Beach
Area name:	North Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	7.19
Locationde:	Not Reported		
Gissourcec:	gps		

Comments:	68809158.ssf		
Leasename:	Bryant	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000196905		

Y97
WSW **OIL_GAS** **CAOG11000205588**
1/4 - 1/2 Mile

District nun:	1	Api number:	03707008
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Synergy Oil & Gas, LLC		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	Alamitos	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Bixby A	Wellnumber:	35
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205588		

W98
WNW **OIL_GAS** **CAOG11000205591**
1/4 - 1/2 Mile

District nun:	1	Api number:	03707020
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Conoco Inc.		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	South Block	Section:	2
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Bixby A	Wellnumber:	47
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205591		

Map ID Direction Distance	Database	EDR ID Number

AA99
WNW
1/4 - 1/2 Mile

OIL_GAS **CAOG11000189931**

District nun:	1	Api number:	03707133
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Synergy Oil & Gas, LLC		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	North Block	Section:	2
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	13.987
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809088.ssf		
Leasename:	Bixby A	Wellnumber:	61
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000189931		

U100
West
1/4 - 1/2 Mile

OIL_GAS **CAOG11000189845**

District nun:	1	Api number:	03707003
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Synergy Oil & Gas, LLC		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	South Block	Section:	2
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	8.082
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809088.ssf		
Leasename:	Bixby A	Wellnumber:	30
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000189845		

AB101
South
1/4 - 1/2 Mile

OIL_GAS **CAOG11000188696**

District nun:	1	Api number:	03700340
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Signal Hill Petroleum, Inc.		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	South Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	7.876
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809148.ssf		
Leasename:	Bryant	Wellnumber:	32
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000188696		

AC102
SSW
1/4 - 1/2 Mile

OIL_GAS **CAOG11000205583**

District nun:	1	Api number:	03706993
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Synergy Oil & Gas, LLC		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	Alamitos	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Bixby A	Wellnumber:	20
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205583		

AD103
SSE
1/4 - 1/2 Mile

OIL_GAS **CAOG11000195720**

District nun:	1	Api number:	05904255
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Hellman Properties LLC		
County name:	Orange	Fieldname:	Seal Beach
Area name:	North Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	14.337
Locationde:	Not Reported		
Gissourcec:	gps		

Comments:	68809158.ssf		
Leasename:	Not Reported	Wellnumber:	4
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000195720		

AB104
South
1/4 - 1/2 Mile

OIL_GAS **CAOG11000206542**

District nun:	1	Api number:	03708571
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Signal Hill Petroleum, Inc.		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	South Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Bryant	Wellnumber:	6
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206542		

AD105
SSE
1/4 - 1/2 Mile

OIL_GAS **CAOG11000195727**

District nun:	1	Api number:	05904262
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Hellman Properties LLC		
County name:	Orange	Fieldname:	Seal Beach
Area name:	South Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	10.786
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809158.ssf		
Leasename:	Not Reported	Wellnumber:	10A
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000195727		

Map ID Direction Distance	Database	EDR ID Number

AA106
WNW
1/4 - 1/2 Mile

OIL_GAS **CAOG11000189926**

District nun:	1	Api number:	03707128
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Synergy Oil & Gas, LLC		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	North Block	Section:	2
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	10.473
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809088.ssf		
Leasename:	Bixby A	Wellnumber:	56
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000189926		

107
East
1/4 - 1/2 Mile

OIL_GAS **CAOG11000206169**

District nun:	1	Api number:	03707992
Blm well:	N	Redrill can:	Not Reported
Dryhole:	Y	Well status:	P
Operator name:	Shell Western Exploration & Production Inc.		
County name:	Los Angeles	Fieldname:	Any Field
Area name:	Any Area	Section:	1
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Bryant	Wellnumber:	3
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000206169		

AE108
WSW
1/4 - 1/2 Mile

OIL_GAS **CAOG11000205580**

District nun:	1	Api number:	03706978
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Synergy Oil & Gas, LLC		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	South Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Bixby A	Wellnumber:	5
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PWD
Site id:	CAOG11000205580		

AA109
WNW
1/4 - 1/2 Mile

OIL_GAS **CAOG11000189942**

District nun:	1	Api number:	03707141
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Synergy Oil & Gas, LLC		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	North Block	Section:	2
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	5.185
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809088.ssf		
Leasename:	Bixby A	Wellnumber:	69
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000189942		

AD110
SSE
1/4 - 1/2 Mile

OIL_GAS **CAOG11000219886**

District nun:	1	Api number:	05904253
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Hellman Properties LLC		
County name:	Orange	Fieldname:	Seal Beach
Area name:	North Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	3
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000219886		

AB111
SSE **OIL_GAS** **CAOG11000195719**
1/4 - 1/2 Mile

District nun:	1	Api number:	05904254
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Hellman Properties LLC		
County name:	Orange	Fieldname:	Seal Beach
Area name:	North Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	8.416
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809158.ssf		
Leasename:	Not Reported	Wellnumber:	3A
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000195719		

Z112
SE **OIL_GAS** **CAOG11000195728**
1/4 - 1/2 Mile

District nun:	1	Api number:	05904263
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Hellman Properties LLC		
County name:	Orange	Fieldname:	Seal Beach
Area name:	North Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	8.197
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809158.ssf		
Leasename:	Not Reported	Wellnumber:	11
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000195728		

Map ID
Direction
Distance

Database | EDR ID Number

AF113
SSE
1/4 - 1/2 Mile

OIL_GAS **CAOG11000195737**

District nun:	1	Api number:	05904272
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Hellman Properties LLC		
County name:	Orange	Fieldname:	Seal Beach
Area name:	South Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	5.254
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809158.ssf		
Leasename:	Not Reported	Wellnumber:	18
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000195737		

AE114
West
1/4 - 1/2 Mile

OIL_GAS **CAOG11000189834**

District nun:	1	Api number:	03706987
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Synergy Oil & Gas, LLC		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	South Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	14.12
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809088.ssf		
Leasename:	Bixby A	Wellnumber:	14
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000189834		

AG115
West
1/4 - 1/2 Mile

OIL_GAS **CAOG11000189853**

District nun:	1	Api number:	03707013
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Synergy Oil & Gas, LLC		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	South Block	Section:	2
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	6.558
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809088.ssf		
Leasename:	Bixby A	Wellnumber:	40
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000189853		

AB116
South
1/4 - 1/2 Mile

OIL_GAS **CAOG11000192938**

District nun:	1	Api number:	03718816
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Signal Hill Petroleum, Inc.		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	South Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	10.413
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809148.ssf		
Leasename:	Bryant	Wellnumber:	33
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000192938		

AF117
SSE
1/4 - 1/2 Mile

OIL_GAS **CAOG11000221626**

District nun:	1	Api number:	05907016
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Hellman Properties LLC		
County name:	Orange	Fieldname:	Seal Beach
Area name:	North Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	61
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000221626		

AG118
West
1/4 - 1/2 Mile

OIL_GAS **CAOG11000189844**

District nun:	1	Api number:	03707001
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Synergy Oil & Gas, LLC		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	South Block	Section:	2
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	8.2
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809088.ssf		
Leasename:	Bixby A	Wellnumber:	28
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000189844		

AB119
South
1/4 - 1/2 Mile

OIL_GAS **CAOG11000192939**

District nun:	1	Api number:	03718817
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Signal Hill Petroleum, Inc.		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	South Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	8.605
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809148.ssf		
Leasename:	Bryant	Wellnumber:	34
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000192939		

Map ID
Direction
Distance

Database | EDR ID Number

AF120
SSE
1/4 - 1/2 Mile

OIL_GAS **CAOG11000195718**

District nun:	1	Api number:	05904252
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Hellman Properties LLC		
County name:	Orange	Fieldname:	Seal Beach
Area name:	South Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	10.482
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809158.ssf		
Leasename:	Not Reported	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000195718		

AE121
West
1/2 - 1 Mile

OIL_GAS **CAOG11000189854**

District nun:	1	Api number:	03707014
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Synergy Oil & Gas, LLC		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	South Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	9.708
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809088.ssf		
Leasename:	Bixby A	Wellnumber:	41
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWD
Site id:	CAOG11000189854		

AC122
South
1/2 - 1 Mile

OIL_GAS **CAOG11000200889**

District nun:	1	Api number:	03700581
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	Alamitos	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Bryant	Wellnumber:	38
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	PDH
Site id:	CAOG11000200889		

Z123
SE
1/2 - 1 Mile

OIL_GAS **CAOG11000195730**

District nun:	1	Api number:	05904265
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Hellman Properties LLC		
County name:	Orange	Fieldname:	Seal Beach
Area name:	North Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	4.928
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809158.ssf		
Leasename:	Not Reported	Wellnumber:	13
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000195730		

AH124
SW
1/2 - 1 Mile

OIL_GAS **CAOG11000206508**

District nun:	1	Api number:	03708532
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	Alamitos	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

Comments:	Not Reported		
Leasename:	San Gabriel	Wellnumber:	17
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206508		

AI125
WNW
1/2 - 1 Mile

OIL_GAS **CAOG11000189945**

District nun:	1	Api number:	03707146
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Synergy Oil & Gas, LLC		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	North Block	Section:	2
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	8.756
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809088.ssf		
Leasename:	Bixby A	Wellnumber:	75
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000189945		

AG126
West
1/2 - 1 Mile

OIL_GAS **CAOG11000193161**

District nun:	1	Api number:	03720684
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Synergy Oil & Gas, LLC		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	South Block	Section:	2
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	11.5
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809088.ssf		
Leasename:	Bixby A	Wellnumber:	82
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000193161		

Map ID Direction Distance	Database	EDR ID Number

AH127
SW
1/2 - 1 Mile

OIL_GAS **CAOG11000206515**

District nun:	1	Api number:	03708539
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	Alamitos	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	San Gabriel	Wellnumber:	24
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206515		

AI128
WNW
1/2 - 1 Mile

OIL_GAS **CAOG11000189930**

District nun:	1	Api number:	03707132
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Synergy Oil & Gas, LLC		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	North Block	Section:	2
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	8.578
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809088.ssf		
Leasename:	Bixby A	Wellnumber:	60
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWD
Site id:	CAOG11000189930		

AJ129
WSW
1/2 - 1 Mile

OIL_GAS **CAOG11000206488**

District nun:	1	Api number:	03708500
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	Alamitos	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	San Gabriel	Wellnumber:	11
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206488		

AK130
SE
1/2 - 1 Mile

OIL_GAS **CAOG11000195739**

District nun:	1	Api number:	05904274
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Hellman Properties LLC		
County name:	Orange	Fieldname:	Seal Beach
Area name:	North Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	8.603
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809158.ssf		
Leasename:	Not Reported	Wellnumber:	20
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000195739		

Z131
SE
1/2 - 1 Mile

OIL_GAS **CAOG11000195887**

District nun:	1	Api number:	05904658
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Hellman Properties LLC		
County name:	Orange	Fieldname:	Seal Beach
Area name:	North Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	7.071
Locationde:	Not Reported		
Gissourcec:	gps		

Comments:	68809158.ssf		
Leasename:	Not Reported	Wellnumber:	28
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000195887		

AG134
West
1/2 - 1 Mile

OIL_GAS **CAOG11000189934**

District nun:	1	Api number:	03707134
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Synergy Oil & Gas, LLC		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	South Block	Section:	2
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	12.178
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809088.ssf		
Leasename:	Bixby A	Wellnumber:	62
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000189934		

AG132
West
1/2 - 1 Mile

OIL_GAS **CAOG11000189932**

District nun:	1	Api number:	03707134
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Synergy Oil & Gas, LLC		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	South Block	Section:	2
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	12.178
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809088.ssf		
Leasename:	Bixby A	Wellnumber:	62
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000189932		

Map ID
Direction
Distance

Database | EDR ID Number

AG133
West
1/2 - 1 Mile

OIL_GAS **CAOG11000189933**

District nun:	1	Api number:	03707134
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Synergy Oil & Gas, LLC		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	South Block	Section:	2
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	12.178
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809088.ssf		
Leasename:	Bixby A	Wellnumber:	62
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000189933		

AJ135
WSW
1/2 - 1 Mile

OIL_GAS **CAOG11000206518**

District nun:	1	Api number:	03708544
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	Alamitos	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	San Gabriel	Wellnumber:	55
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206518		

AL136
West
1/2 - 1 Mile

OIL_GAS **CAOG11000189826**

District nun:	1	Api number:	03706977
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Synergy Oil & Gas, LLC		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	South Block	Section:	2
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	8.359
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809088.ssf		
Leasename:	Bixby A	Wellnumber:	4
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000189826		

AB137
South
1/2 - 1 Mile

OIL_GAS **CAOG11000195726**

District nun:	1	Api number:	05904261
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Hellman Properties LLC		
County name:	Orange	Fieldname:	Seal Beach
Area name:	South Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	6.464
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809158.ssf		
Leasename:	Not Reported	Wellnumber:	10
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000195726		

AD138
SSE
1/2 - 1 Mile

OIL_GAS **CAOG11000198602**

District nun:	1	Api number:	05921233
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Hellman Properties LLC		
County name:	Orange	Fieldname:	Seal Beach
Area name:	South Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	6.926
Locationde:	Not Reported		
Gissourcec:	gps		

Comments:	68809158.ssf		
Leasename:	Not Reported	Wellnumber:	62
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000198602		

AD139
SSE
1/2 - 1 Mile

OIL_GAS **CAOG11000198655**

District nun:	1	Api number:	05921289
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Hellman Properties LLC		
County name:	Orange	Fieldname:	Seal Beach
Area name:	North Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	2.555
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809158.ssf		
Leasename:	Not Reported	Wellnumber:	63
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000198655		

AD140
SSE
1/2 - 1 Mile

OIL_GAS **CAOG11000195908**

District nun:	1	Api number:	05904674
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Hellman Properties LLC		
County name:	Orange	Fieldname:	Seal Beach
Area name:	North Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	2.439
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809158.ssf		
Leasename:	Not Reported	Wellnumber:	44
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000195908		

Map ID Direction Distance	Database	EDR ID Number

AJ141
WSW
1/2 - 1 Mile

OIL_GAS **CAOG11000206511**

District nun:	1	Api number:	03708535
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	Alamitos	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	San Gabriel	Wellnumber:	20
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206511		

AK142
SE
1/2 - 1 Mile

OIL_GAS **CAOG11000196893**

District nun:	1	Api number:	05907005
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Hellman Properties LLC		
County name:	Orange	Fieldname:	Seal Beach
Area name:	North Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	10.101
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809158.ssf		
Leasename:	Not Reported	Wellnumber:	50
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000196893		

AG143
West
1/2 - 1 Mile

OIL_GAS **CAOG11000189833**

District nun:	1	Api number:	03706986
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Synergy Oil & Gas, LLC		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	South Block	Section:	2
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	6.472
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809088.ssf		
Leasename:	Bixby A	Wellnumber:	13
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000189833		

AB144
South
1/2 - 1 Mile

OIL_GAS **CAOG11000222216**

District nun:	1	Api number:	05920291
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Conoco Inc.		
County name:	Orange	Fieldname:	Seal Beach
Area name:	North Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Hellman Townlot Unit	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000222216		

AI145
WNW
1/2 - 1 Mile

OIL_GAS **CAOG11000189925**

District nun:	1	Api number:	03707127
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Synergy Oil & Gas, LLC		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	South Block	Section:	2
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	6.727
Locationde:	Not Reported		
Gissourcec:	gps		

Comments:	68809088.ssf		
Leasename:	Bixby A	Wellnumber:	55
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000189925		

AM146
WSW
1/2 - 1 Mile

OIL_GAS **CAOG11000206481**

District nun:	1	Api number:	03708493
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	Alamitos	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	San Gabriel	Wellnumber:	4
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206481		

AN147
South
1/2 - 1 Mile

OIL_GAS **CAOG11000222347**

District nun:	1	Api number:	05920817
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Hellman Properties LLC		
County name:	Orange	Fieldname:	Seal Beach
Area name:	South Block	Section:	11
Township:	05S	Range:	11W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Hellman W.W.	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PWD
Site id:	CAOG11000222347		

Map ID Direction Distance	Database	EDR ID Number

AI148
WNW
1/2 - 1 Mile

OIL_GAS **CAOG11000205592**

District nun:	1	Api number:	03707025
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Synergy Oil & Gas, LLC		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	Alamitos	Section:	2
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Bixby A	Wellnumber:	52
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205592		

AF149
SSE
1/2 - 1 Mile

OIL_GAS **CAOG11000195736**

District nun:	1	Api number:	05904271
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Hellman Properties LLC		
County name:	Orange	Fieldname:	Seal Beach
Area name:	North Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	5.584
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809158.ssf		
Leasename:	Not Reported	Wellnumber:	17-A
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000195736		

AI150
WNW
1/2 - 1 Mile

OIL_GAS **CAOG11000205643**

District nun:	1	Api number:	03707150
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Synergy Oil & Gas, LLC		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	Alamitos	Section:	2
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Bixby A	Wellnumber:	79
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	POG
Site id:	CAOG11000205643		

AN151
South
1/2 - 1 Mile

OIL_GAS **CAOG11000222123**

District nun:	1	Api number:	05907912
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Hellman Properties LLC		
County name:	Orange	Fieldname:	Seal Beach
Area name:	South Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Hellman W.W.	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PWD
Site id:	CAOG11000222123		

AO152
SE
1/2 - 1 Mile

OIL_GAS **CAOG11000195729**

District nun:	1	Api number:	05904264
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Hellman Properties LLC		
County name:	Orange	Fieldname:	Seal Beach
Area name:	North Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	6.541
Locationde:	Not Reported		
Gissourcec:	gps		

Comments:	68809158.ssf		
Leasename:	Not Reported	Wellnumber:	12
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000195729		

AM153
WSW
1/2 - 1 Mile

OIL_GAS **CAOG11000206502**

District nun:	1	Api number:	03708526
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	Alamitos	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	San Gabriel	Wellnumber:	12
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206502		

154
South
1/2 - 1 Mile

OIL_GAS **CAOG11000206539**

District nun:	1	Api number:	03708565
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Shell Western Exploration & Production Inc.		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	Alamitos	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Fred Bixby	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000206539		

Map ID
Direction
Distance

Database | EDR ID Number

AK155
SE
1/2 - 1 Mile

OIL_GAS **CAOG11000195880**

District nun:	1	Api number:	05904653
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Hellman Properties LLC		
County name:	Orange	Fieldname:	Seal Beach
Area name:	North Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	6.167
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809158.ssf		
Leasename:	Not Reported	Wellnumber:	23
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000195880		

AO156
SE
1/2 - 1 Mile

OIL_GAS **CAOG11000195721**

District nun:	1	Api number:	05904256
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Hellman Properties LLC		
County name:	Orange	Fieldname:	Seal Beach
Area name:	North Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	7.01
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809158.ssf		
Leasename:	Not Reported	Wellnumber:	5
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000195721		

AP157
West
1/2 - 1 Mile

OIL_GAS **CAOG11000206479**

District nun:	1	Api number:	03708491
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	Alamitos	Section:	10
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	San Gabriel	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206479		

AL158
West
1/2 - 1 Mile

OIL_GAS **CAOG11000206498**

District nun:	1	Api number:	03708521
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	Alamitos	Section:	10
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	San Gabriel	Wellnumber:	46
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206498		

AL159
West
1/2 - 1 Mile

OIL_GAS **CAOG11000206495**

District nun:	1	Api number:	03708514
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	Alamitos	Section:	10
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

Comments:	Not Reported		
Leasename:	San Gabriel	Wellnumber:	38
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206495		

AN160
SSE
1/2 - 1 Mile

OIL_GAS **CAOG11000195733**

District nun:	1	Api number:	05904268
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Hellman Properties LLC		
County name:	Orange	Fieldname:	Seal Beach
Area name:	North Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	8.143
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809158.ssf		
Leasename:	Not Reported	Wellnumber:	16
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000195733		

AQ161
West
1/2 - 1 Mile

OIL_GAS **CAOG11000189827**

District nun:	1	Api number:	03706979
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Synergy Oil & Gas, LLC		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	South Block	Section:	3
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	10.405
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809088.ssf		
Leasename:	Bixby A	Wellnumber:	6
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000189827		

Map ID Direction Distance	Database	EDR ID Number

AQ162
West
1/2 - 1 Mile

OIL_GAS **CAOG11000189849**

District nun:	1	Api number:	03707007
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Synergy Oil & Gas, LLC		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	South Block	Section:	3
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	11.034
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809088.ssf		
Leasename:	Bixby A	Wellnumber:	34
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000189849		

AQ163
West
1/2 - 1 Mile

OIL_GAS **CAOG11000189946**

District nun:	1	Api number:	03707147
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Synergy Oil & Gas, LLC		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	South Block	Section:	3
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	11.996
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809088.ssf		
Leasename:	Bixby A	Wellnumber:	76
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000189946		

AO164
SE
1/2 - 1 Mile

OIL_GAS **CAOG11000195896**

District nun:	1	Api number:	05904667
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Hellman Properties LLC		
County name:	Orange	Fieldname:	Seal Beach
Area name:	North Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	6.896
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809158.ssf		
Leasename:	Not Reported	Wellnumber:	37
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000195896		

165
SW
1/2 - 1 Mile

OIL_GAS **CAOG11000206514**

District nun:	1	Api number:	03708538
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	Alamitos	Section:	3
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	San Gabriel	Wellnumber:	23
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206514		

AQ166
West
1/2 - 1 Mile

OIL_GAS **CAOG11000189832**

District nun:	1	Api number:	03706985
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Synergy Oil & Gas, LLC		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	South Block	Section:	3
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	14.884
Locationde:	Not Reported		
Gissourcec:	gps		

Comments:	68809088.ssf		
Leasename:	Bixby A	Wellnumber:	12
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000189832		

AO167
SE
1/2 - 1 Mile

OIL_GAS **CAOG11000195888**

District nun:	1	Api number:	05904659
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Hellman Properties LLC		
County name:	Orange	Fieldname:	Seal Beach
Area name:	North Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	3.91
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809158.ssf		
Leasename:	Not Reported	Wellnumber:	29
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000195888		

AP168
West
1/2 - 1 Mile

OIL_GAS **CAOG11000206499**

District nun:	1	Api number:	03708522
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	Alamitos	Section:	10
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	San Gabriel	Wellnumber:	47
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206499		

Map ID Direction Distance	Database	EDR ID Number

AR169
WNW
1/2 - 1 Mile

OIL_GAS **CAOG11000189840**

District nun:	1	Api number:	03706995
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Synergy Oil & Gas, LLC		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	South Block	Section:	3
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	6.836
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809088.ssf		
Leasename:	Bixby A	Wellnumber:	22
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000189840		

AP170
West
1/2 - 1 Mile

OIL_GAS **CAOG11000206485**

District nun:	1	Api number:	03708497
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	Alamitos	Section:	10
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	San Gabriel	Wellnumber:	8
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206485		

AR171
WNW
1/2 - 1 Mile

OIL_GAS **CAOG11000189936**

District nun:	1	Api number:	03707137
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Synergy Oil & Gas, LLC		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	South Block	Section:	3
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	10.377
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809088.ssf		
Leasename:	Bixby A	Wellnumber:	65
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000189936		

AR172
WNW
1/2 - 1 Mile

OIL_GAS **CAOG11000189937**

District nun:	1	Api number:	03707137
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Synergy Oil & Gas, LLC		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	South Block	Section:	3
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	10.377
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809088.ssf		
Leasename:	Bixby A	Wellnumber:	65
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000189937		

AR173
WNW
1/2 - 1 Mile

OIL_GAS **CAOG11000189938**

District nun:	1	Api number:	03707137
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Synergy Oil & Gas, LLC		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	South Block	Section:	3
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	10.377
Locationde:	Not Reported		
Gissourcec:	gps		

Comments:	68809088.ssf		
Leasename:	Bixby A	Wellnumber:	65
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000189938		

AS174
SE
1/2 - 1 Mile

OIL_GAS **CAOG11000195907**

District nun:	1	Api number:	05904673
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Hellman Properties LLC		
County name:	Orange	Fieldname:	Seal Beach
Area name:	North Block	Section:	12
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	8.216
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809158.ssf		
Leasename:	Not Reported	Wellnumber:	43
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000195907		

AT175
West
1/2 - 1 Mile

OIL_GAS **CAOG11000206482**

District nun:	1	Api number:	03708494
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	Alamitos	Section:	3
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	San Gabriel	Wellnumber:	5
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206482		

Map ID
Direction
Distance

Database | EDR ID Number

AO176
SE
1/2 - 1 Mile

OIL_GAS **CAOG11000220111**

District nun:	1	Api number:	05904652
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Conoco Inc.		
County name:	Orange	Fieldname:	Seal Beach
Area name:	North Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Hellman Unit	Wellnumber:	3
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000220111		

AO177
SE
1/2 - 1 Mile

OIL_GAS **CAOG11000195879**

District nun:	1	Api number:	05904651
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Hellman Properties LLC		
County name:	Orange	Fieldname:	Seal Beach
Area name:	South Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	6.969
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809158.ssf		
Leasename:	Hellman Unit	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000195879		

AU178
WSW
1/2 - 1 Mile

OIL_GAS **CAOG11000205564**

District nun:	1	Api number:	03706957
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Atlantic Oil Company		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	Alamitos	Section:	10
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	McGrath	Wellnumber:	6
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205564		

AO179
SE
1/2 - 1 Mile

OIL_GAS **CAOG11000195731**

District nun:	1	Api number:	05904266
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Hellman Properties LLC		
County name:	Orange	Fieldname:	Seal Beach
Area name:	North Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	6.005
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809158.ssf		
Leasename:	Not Reported	Wellnumber:	14
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000195731		

AS180
SE
1/2 - 1 Mile

OIL_GAS **CAOG11000195724**

District nun:	1	Api number:	05904259
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Hellman Properties LLC		
County name:	Orange	Fieldname:	Seal Beach
Area name:	North Block	Section:	12
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	1.649
Locationde:	Not Reported		
Gissourcec:	gps		

Comments:	68809158.ssf		
Leasename:	Not Reported	Wellnumber:	8
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000195724		

AQ181
West
1/2 - 1 Mile

OIL_GAS **CAOG11000189848**

District nun:	1	Api number:	03707006
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Synergy Oil & Gas, LLC		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	South Block	Section:	3
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	9.122
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809088.ssf		
Leasename:	Bixby A	Wellnumber:	33
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000189848		

AR182
WNW
1/2 - 1 Mile

OIL_GAS **CAOG11000189851**

District nun:	1	Api number:	03707011
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Synergy Oil & Gas, LLC		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	South Block	Section:	3
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	12.016
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809088.ssf		
Leasename:	Bixby A	Wellnumber:	38
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000189851		

Map ID
Direction
Distance

Database | EDR ID Number

AT183
West
1/2 - 1 Mile

OIL_GAS **CAOG11000206489**

District nun:	1	Api number:	03708501
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	Alamitos	Section:	3
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	San Gabriel	Wellnumber:	25
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206489		

AV184
NW
1/2 - 1 Mile

OIL_GAS **CAOG11000206493**

District nun:	1	Api number:	03708509
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	Alamitos	Section:	2
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	San Gabriel	Wellnumber:	33
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206493		

AO185
SE
1/2 - 1 Mile

OIL_GAS **CAOG11000196903**

District nun:	1	Api number:	05907015
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Hellman Properties LLC		
County name:	Orange	Fieldname:	Seal Beach
Area name:	North Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	5.825
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809158.ssf		
Leasename:	Not Reported	Wellnumber:	60
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000196903		

AT186
West
1/2 - 1 Mile

OIL_GAS **CAOG11000206510**

District nun:	1	Api number:	03708534
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	Alamitos	Section:	3
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	San Gabriel	Wellnumber:	19
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206510		

AR187
WNW
1/2 - 1 Mile

OIL_GAS **CAOG11000189948**

District nun:	1	Api number:	03707149
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Synergy Oil & Gas, LLC		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	South Block	Section:	3
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	11.559
Locationde:	Not Reported		
Gissourcec:	gps		

Comments:	68809088.ssf		
Leasename:	Bixby A	Wellnumber:	78
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000189948		

AR188
WNW
1/2 - 1 Mile

OIL_GAS **CAOG11000189949**

District nun:	1	Api number:	03707149
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Synergy Oil & Gas, LLC		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	South Block	Section:	3
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	11.559
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809088.ssf		
Leasename:	Bixby A	Wellnumber:	78
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000189949		

AR189
WNW
1/2 - 1 Mile

OIL_GAS **CAOG11000189950**

District nun:	1	Api number:	03707149
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Synergy Oil & Gas, LLC		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	South Block	Section:	3
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	11.559
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809088.ssf		
Leasename:	Bixby A	Wellnumber:	78
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000189950		

Map ID Direction Distance	Database	EDR ID Number

AR190
West
1/2 - 1 Mile

OIL_GAS **CAOG11000189828**

District nun:	1	Api number:	03706980
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Synergy Oil & Gas, LLC		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	South Block	Section:	3
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	9.018
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809088.ssf		
Leasename:	Bixby A	Wellnumber:	7
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000189828		

AW191
SE
1/2 - 1 Mile

OIL_GAS **CAOG11000195722**

District nun:	1	Api number:	05904257
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Hellman Properties LLC		
County name:	Orange	Fieldname:	Seal Beach
Area name:	North Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	6.137
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809158.ssf		
Leasename:	Not Reported	Wellnumber:	6
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000195722		

AU192
WSW
1/2 - 1 Mile

OIL_GAS **CAOG11000206129**

District nun:	1	Api number:	03707944
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Estate of Warren F. McGrath		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	Alamitos	Section:	10
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	McGrath	Wellnumber:	26
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206129		

193
NE
1/2 - 1 Mile

OIL_GAS **CAOG11000206534**

District nun:	1	Api number:	03708560
Blm well:	N	Redrill can:	Not Reported
Dryhole:	Y	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Any Field
Area name:	Any Area	Section:	1
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Bryant Estate (nct-1)	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000206534		

AX194
WSW
1/2 - 1 Mile

OIL_GAS **CAOG11000205645**

District nun:	1	Api number:	03707153
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Conoco Inc.		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	Alamitos	Section:	10
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

Comments:	Not Reported		
Leasename:	McGrath	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205645		

AW195
SE
1/2 - 1 Mile

OIL_GAS **CAOG11000196892**

District nun:	1	Api number:	05907004
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Hellman Properties LLC		
County name:	Orange	Fieldname:	Seal Beach
Area name:	North Block	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	9.595
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809158.ssf		
Leasename:	Not Reported	Wellnumber:	49
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000196892		

AY196
West
1/2 - 1 Mile

OIL_GAS **CAOG11000206497**

District nun:	1	Api number:	03708520
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	Alamitos	Section:	3
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	San Gabriel	Wellnumber:	45
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206497		

Map ID Direction Distance	Database	EDR ID Number

AV197
NW
1/2 - 1 Mile

OIL_GAS **CAOG11000200683**

District nun:	1	Api number:	03700121
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	Alamitos	Section:	2
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	San Gabriel	Wellnumber:	43
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000200683		

AZ198
WNW
1/2 - 1 Mile

OIL_GAS **CAOG11000190467**

District nun:	1	Api number:	03708519
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	The Termo Company		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	South Block	Section:	3
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	14.048
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809148.ssf		
Leasename:	San Gabriel	Wellnumber:	44
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190467		

AT199
West
1/2 - 1 Mile

OIL_GAS **CAOG11000206480**

District nun:	1	Api number:	03708492
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	Alamitos	Section:	3
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	San Gabriel	Wellnumber:	3
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206480		

AY200
West
1/2 - 1 Mile

OIL_GAS **CAOG11000206496**

District nun:	1	Api number:	03708518
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	Alamitos	Section:	3
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	San Gabriel	Wellnumber:	42
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206496		

AZ201
WNW
1/2 - 1 Mile

OIL_GAS **CAOG11000206506**

District nun:	1	Api number:	03708530
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	Alamitos	Section:	3
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

Comments:	Not Reported		
Leasename:	San Gabriel	Wellnumber:	15
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206506		

AY202
West
1/2 - 1 Mile

OIL_GAS **CAOG11000206494**

District nun:	1	Api number:	03708513
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	The Termo Company		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	Alamitos	Section:	3
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	San Gabriel	Wellnumber:	37
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206494		

AY203
West
1/2 - 1 Mile

OIL_GAS **CAOG11000206483**

District nun:	1	Api number:	03708495
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	Alamitos	Section:	3
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	San Gabriel	Wellnumber:	6
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206483		

Map ID
Direction
Distance

Database | EDR ID Number

BA204
SE
1/2 - 1 Mile

OIL_GAS **CAOG11000195889**

District nun:	1	Api number:	05904660
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Hellman Properties LLC		
County name:	Orange	Fieldname:	Seal Beach
Area name:	North Block	Section:	12
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	5.657
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809158.ssf		
Leasename:	Not Reported	Wellnumber:	30
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000195889		

AS205
SE
1/2 - 1 Mile

OIL_GAS **CAOG11000195732**

District nun:	1	Api number:	05904267
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Hellman Properties LLC		
County name:	Orange	Fieldname:	Seal Beach
Area name:	North Block	Section:	12
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	4.607
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809158.ssf		
Leasename:	Not Reported	Wellnumber:	15
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000195732		

AS207
SE
1/2 - 1 Mile

OIL_GAS **CAOG11000195882**

District nun:	1	Api number:	05904654
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Hellman Properties LLC		
County name:	Orange	Fieldname:	Seal Beach
Area name:	North Block	Section:	12
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	10.012
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809158.ssf		
Leasename:	Not Reported	Wellnumber:	24
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000195882		

AS206
SE
1/2 - 1 Mile

OIL_GAS **CAOG11000195881**

District nun:	1	Api number:	05904654
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Hellman Properties LLC		
County name:	Orange	Fieldname:	Seal Beach
Area name:	North Block	Section:	12
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	10.012
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809158.ssf		
Leasename:	Not Reported	Wellnumber:	24
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000195881		

AX208
West
1/2 - 1 Mile

OIL_GAS **CAOG11000206838**

District nun:	1	Api number:	03708976
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Transamerica Development Company		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	Alamitos	Section:	10
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	18-1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000206838		

BB209
WNW
1/2 - 1 Mile

OIL_GAS **CAOG11000190469**

District nun:	1	Api number:	03708541
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	The Termo Company		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	South Block	Section:	3
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	16.237
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809148.ssf		
Leasename:	San Gabriel	Wellnumber:	52
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190469		

AZ210
WNW
1/2 - 1 Mile

OIL_GAS **CAOG11000190457**

District nun:	1	Api number:	03708504
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	The Termo Company		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	South Block	Section:	3
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	8.733
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809148.ssf		
Leasename:	San Gabriel	Wellnumber:	28
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190457		

Map ID Direction Distance	Database	EDR ID Number

AW211
SE
1/2 - 1 Mile

OIL_GAS **CAOG11000196902**

District nun:	1	Api number:	05907014
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Hellman Properties LLC		
County name:	Orange	Fieldname:	Seal Beach
Area name:	North Block	Section:	12
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	7.296
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809158.ssf		
Leasename:	Not Reported	Wellnumber:	59
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000196902		

BB212
WNW
1/2 - 1 Mile

OIL_GAS **CAOG11000190466**

District nun:	1	Api number:	03708517
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	The Termo Company		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	South Block	Section:	3
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	11.631
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809148.ssf		
Leasename:	San Gabriel	Wellnumber:	41
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000190466		

BB213
WNW
1/2 - 1 Mile

OIL_GAS **CAOG11000190456**

District nun:	1	Api number:	03708490
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	The Termo Company		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	South Block	Section:	3
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	13.229
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809148.ssf		
Leasename:	San Gabriel	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190456		

AW214
SE
1/2 - 1 Mile

OIL_GAS **CAOG11000195717**

District nun:	1	Api number:	05904251
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Hellman Properties LLC		
County name:	Orange	Fieldname:	Seal Beach
Area name:	North Block	Section:	12
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	6.907
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809158.ssf		
Leasename:	Not Reported	Wellnumber:	22
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000195717		

AY215
West
1/2 - 1 Mile

OIL_GAS **CAOG11000206490**

District nun:	1	Api number:	03708502
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	Alamitos	Section:	3
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

Comments:	Not Reported		
Leasename:	San Gabriel	Wellnumber:	26
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206490		

AW216
SE
1/2 - 1 Mile

OIL_GAS **CAOG11000195740**

District nun:	1	Api number:	05904275
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Hellman Properties LLC		
County name:	Orange	Fieldname:	Seal Beach
Area name:	North Block	Section:	12
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	8.245
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809158.ssf		
Leasename:	Not Reported	Wellnumber:	21
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000195740		

AW217
SE
1/2 - 1 Mile

OIL_GAS **CAOG11000195738**

District nun:	1	Api number:	05904273
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Hellman Properties LLC		
County name:	Orange	Fieldname:	Seal Beach
Area name:	North Block	Section:	12
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	8.619
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809158.ssf		
Leasename:	Not Reported	Wellnumber:	19
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000195738		

Map ID Direction Distance	Database	EDR ID Number

218
West
1/2 - 1 Mile

OIL_GAS **CAOG11000206127**

District nun:	1	Api number:	03707942
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Estate of Warren F. McGrath		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	Alamitos	Section:	10
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	McGrath	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206127		

BA219
SE
1/2 - 1 Mile

OIL_GAS **CAOG11000195734**

District nun:	1	Api number:	05904269
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Hellman Properties LLC		
County name:	Orange	Fieldname:	Seal Beach
Area name:	North Block	Section:	12
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	7.49
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809158.ssf		
Leasename:	Not Reported	Wellnumber:	17-X1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000195734		

BA220
SE
1/2 - 1 Mile

OIL_GAS **CAOG11000195735**

District nun:	1	Api number:	05904269
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Hellman Properties LLC		
County name:	Orange	Fieldname:	Seal Beach
Area name:	North Block	Section:	12
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	7.49
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809158.ssf		
Leasename:	Not Reported	Wellnumber:	17-X1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000195735		

BA221
SE
1/2 - 1 Mile

OIL_GAS **CAOG11000195723**

District nun:	1	Api number:	05904258
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Hellman Properties LLC		
County name:	Orange	Fieldname:	Seal Beach
Area name:	North Block	Section:	12
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	6.51
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809158.ssf		
Leasename:	Not Reported	Wellnumber:	7
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000195723		

BA222
SE
1/2 - 1 Mile

OIL_GAS **CAOG11000195725**

District nun:	1	Api number:	05904260
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Hellman Properties LLC		
County name:	Orange	Fieldname:	Seal Beach
Area name:	North Block	Section:	12
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	4.795
Locationde:	Not Reported		
Gissourcec:	gps		

Comments:	68809158.ssf		
Leasename:	Not Reported	Wellnumber:	9
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000195725		

BC223
SE
1/2 - 1 Mile **OIL_GAS** **CAOG11000195909**

District nun:	1	Api number:	05904675
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Hellman Properties LLC		
County name:	Orange	Fieldname:	Seal Beach
Area name:	North Block	Section:	12
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	12.744
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809158.ssf		
Leasename:	Not Reported	Wellnumber:	45
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWD
Site id:	CAOG11000195909		

BC224
SE
1/2 - 1 Mile **OIL_GAS** **CAOG11000195910**

District nun:	1	Api number:	05904675
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Hellman Properties LLC		
County name:	Orange	Fieldname:	Seal Beach
Area name:	North Block	Section:	12
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	12.744
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809158.ssf		
Leasename:	Not Reported	Wellnumber:	45
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWD
Site id:	CAOG11000195910		

Map ID Direction Distance	Database	EDR ID Number

BB225
West
1/2 - 1 Mile

OIL_GAS **CAOG11000206484**

District nun:	1	Api number:	03708496
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	Alamitos	Section:	3
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	San Gabriel	Wellnumber:	7
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206484		

BA226
SE
1/2 - 1 Mile

OIL_GAS **CAOG11000195894**

District nun:	1	Api number:	05904665
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Hellman Properties LLC		
County name:	Orange	Fieldname:	Seal Beach
Area name:	North Block	Section:	12
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	8.91
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809158.ssf		
Leasename:	Not Reported	Wellnumber:	35
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000195894		

BB227
West
1/2 - 1 Mile

OIL_GAS **CAOG11000206512**

District nun:	1	Api number:	03708536
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	Alamitos	Section:	3
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	San Gabriel	Wellnumber:	21
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206512		

BA228
SE
1/2 - 1 Mile

OIL_GAS **CAOG11000195895**

District nun:	1	Api number:	05904666
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Hellman Properties LLC		
County name:	Orange	Fieldname:	Seal Beach
Area name:	North Block	Section:	12
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	0.474
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809158.ssf		
Leasename:	Not Reported	Wellnumber:	36
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000195895		

AY229
West
1/2 - 1 Mile

OIL_GAS **CAOG11000206486**

District nun:	1	Api number:	03708498
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	Alamitos	Section:	3
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

Comments:	Not Reported		
Leasename:	San Gabriel	Wellnumber:	9
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206486		

BA230
SE
1/2 - 1 Mile

OIL_GAS **CAOG11000195903**

District nun:	1	Api number:	05904671
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Hellman Properties LLC		
County name:	Orange	Fieldname:	Seal Beach
Area name:	North Block	Section:	12
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	4.374
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809158.ssf		
Leasename:	Not Reported	Wellnumber:	41
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000195903		

BA231
SE
1/2 - 1 Mile

OIL_GAS **CAOG11000195904**

District nun:	1	Api number:	05904671
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Hellman Properties LLC		
County name:	Orange	Fieldname:	Seal Beach
Area name:	North Block	Section:	12
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	4.374
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809158.ssf		
Leasename:	Not Reported	Wellnumber:	41
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000195904		

Map ID Direction Distance	Database	EDR ID Number

BA232
SE
1/2 - 1 Mile

OIL_GAS **CAOG11000195905**

District nun:	1	Api number:	05904671
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Hellman Properties LLC		
County name:	Orange	Fieldname:	Seal Beach
Area name:	North Block	Section:	12
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	4.374
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809158.ssf		
Leasename:	Not Reported	Wellnumber:	41
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000195905		

BD233
WNW
1/2 - 1 Mile

OIL_GAS **CAOG11000206492**

District nun:	1	Api number:	03708508
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	The Termo Company		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	Alamitos	Section:	3
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	San Gabriel	Wellnumber:	32
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206492		

BD234
WNW
1/2 - 1 Mile

OIL_GAS **CAOG11000190463**

District nun:	1	Api number:	03708512
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	The Termo Company		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	North Block	Section:	3
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	14.481
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809148.ssf		
Leasename:	San Gabriel	Wellnumber:	36
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190463		

BA238
SE
1/2 - 1 Mile

OIL_GAS **CAOG11000195901**

District nun:	1	Api number:	05904670
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Hellman Properties LLC		
County name:	Orange	Fieldname:	Seal Beach
Area name:	North Block	Section:	12
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	3.599
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809158.ssf		
Leasename:	Not Reported	Wellnumber:	40
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000195901		

BA237
SE
1/2 - 1 Mile

OIL_GAS **CAOG11000195902**

District nun:	1	Api number:	05904670
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Hellman Properties LLC		
County name:	Orange	Fieldname:	Seal Beach
Area name:	North Block	Section:	12
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	3.599
Locationde:	Not Reported		
Gissourcec:	gps		

Comments:	68809158.ssf		
Leasename:	Not Reported	Wellnumber:	40
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000195902		

BA236
SE
1/2 - 1 Mile

OIL_GAS **CAOG11000195899**

District nun:	1	Api number:	05904670
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Hellman Properties LLC		
County name:	Orange	Fieldname:	Seal Beach
Area name:	North Block	Section:	12
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	3.599
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809158.ssf		
Leasename:	Not Reported	Wellnumber:	40
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000195899		

BA235
SE
1/2 - 1 Mile

OIL_GAS **CAOG11000195900**

District nun:	1	Api number:	05904670
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Hellman Properties LLC		
County name:	Orange	Fieldname:	Seal Beach
Area name:	North Block	Section:	12
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	3.599
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809158.ssf		
Leasename:	Not Reported	Wellnumber:	40
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000195900		

Map ID
Direction
Distance

Database | EDR ID Number

BD239
WNW
1/2 - 1 Mile

OIL_GAS **CAOG11000190460**

District nun:	1	Api number:	03708507
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	The Termo Company		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	North Block	Section:	3
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	6.415
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809148.ssf		
Leasename:	San Gabriel	Wellnumber:	31
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190460		

BE240
West
1/2 - 1 Mile

OIL_GAS **CAOG11000206491**

District nun:	1	Api number:	03708503
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	Alamitos	Section:	3
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	San Gabriel	Wellnumber:	27
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206491		

BD241
WNW
1/2 - 1 Mile

OIL_GAS **CAOG11000190459**

District nun:	1	Api number:	03708506
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	The Termo Company		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	North Block	Section:	3
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	17.022
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809148.ssf		
Leasename:	San Gabriel	Wellnumber:	30
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190459		

BD242
WNW
1/2 - 1 Mile

OIL_GAS **CAOG11000190464**

District nun:	1	Api number:	03708515
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	The Termo Company		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	North Block	Section:	3
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	10.378
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809148.ssf		
Leasename:	San Gabriel	Wellnumber:	39
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190464		

BF243
WNW
1/2 - 1 Mile

OIL_GAS **CAOG11000206509**

District nun:	1	Api number:	03708533
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	Alamitos	Section:	3
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

Comments:	Not Reported		
Leasename:	San Gabriel	Wellnumber:	18
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206509		

BA244
SE
1/2 - 1 Mile

OIL_GAS **CAOG11000195898**

District nun:	1	Api number:	05904669
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Hellman Properties LLC		
County name:	Orange	Fieldname:	Seal Beach
Area name:	North Block	Section:	12
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	6.068
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809158.ssf		
Leasename:	Not Reported	Wellnumber:	39
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000195898		

BC245
SE
1/2 - 1 Mile

OIL_GAS **CAOG11000195897**

District nun:	1	Api number:	05904668
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Hellman Properties LLC		
County name:	Orange	Fieldname:	Seal Beach
Area name:	North Block	Section:	12
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	3.446
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809158.ssf		
Leasename:	Not Reported	Wellnumber:	38
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000195897		

Map ID
Direction
Distance

Database | EDR ID Number

BG246
SE
1/2 - 1 Mile

OIL_GAS **CAOG11000195906**

District nun:	1	Api number:	05904672
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Hellman Properties LLC		
County name:	Orange	Fieldname:	Seal Beach
Area name:	North Block	Section:	12
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	5.377
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809158.ssf		
Leasename:	Not Reported	Wellnumber:	42
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000195906		

BC248
SE
1/2 - 1 Mile

OIL_GAS **CAOG11000195886**

District nun:	1	Api number:	05904657
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Hellman Properties LLC		
County name:	Orange	Fieldname:	Seal Beach
Area name:	North Block	Section:	12
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	12.369
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809158.ssf		
Leasename:	Not Reported	Wellnumber:	27
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000195886		

BC247
SE
1/2 - 1 Mile

OIL_GAS **CAOG11000195885**

District nun:	1	Api number:	05904657
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Hellman Properties LLC		
County name:	Orange	Fieldname:	Seal Beach
Area name:	North Block	Section:	12
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	12.369
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809158.ssf		
Leasename:	Not Reported	Wellnumber:	27
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000195885		

BG249
SE
1/2 - 1 Mile

OIL_GAS **CAOG11000198656**

District nun:	1	Api number:	05921290
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Hellman Properties LLC		
County name:	Orange	Fieldname:	Seal Beach
Area name:	North Block	Section:	12
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	2.839
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809158.ssf		
Leasename:	Not Reported	Wellnumber:	64
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000198656		

BC250
SE
1/2 - 1 Mile

OIL_GAS **CAOG11000195884**

District nun:	1	Api number:	05904656
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Hellman Properties LLC		
County name:	Orange	Fieldname:	Seal Beach
Area name:	North Block	Section:	12
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	13.828
Locationde:	Not Reported		
Gissourcec:	gps		

Comments:	68809158.ssf		
Leasename:	Not Reported	Wellnumber:	26
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000195884		

BH251
West
1/2 - 1 Mile

OIL_GAS **CAOG11000205563**

District nun:	1	Api number:	03706956
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Atlantic Oil Company		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	Alamitos	Section:	3
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	McGrath	Wellnumber:	3
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205563		

BC252
SE
1/2 - 1 Mile

OIL_GAS **CAOG11000195883**

District nun:	1	Api number:	05904655
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Hellman Properties LLC		
County name:	Orange	Fieldname:	Seal Beach
Area name:	North Block	Section:	12
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	12.28
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809158.ssf		
Leasename:	Not Reported	Wellnumber:	25
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000195883		

Map ID
Direction
Distance

Database | EDR ID Number

BC253
SE
1/2 - 1 Mile

OIL_GAS **CAOG11000195890**

District nun:	1	Api number:	05904661
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Hellman Properties LLC		
County name:	Orange	Fieldname:	Seal Beach
Area name:	North Block	Section:	12
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	26.143
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809158.ssf		
Leasename:	Not Reported	Wellnumber:	31
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000195890		

BE254
West
1/2 - 1 Mile

OIL_GAS **CAOG11000206500**

District nun:	1	Api number:	03708523
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	Alamitos	Section:	3
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	San Gabriel	Wellnumber:	48
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206500		

BG255
SE
1/2 - 1 Mile

OIL_GAS **CAOG11000195891**

District nun:	1	Api number:	05904662
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Hellman Properties LLC		
County name:	Orange	Fieldname:	Seal Beach
Area name:	North Block	Section:	12
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	21.831
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809158.ssf		
Leasename:	Not Reported	Wellnumber:	32
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000195891		

BG256
SE
1/2 - 1 Mile

OIL_GAS **CAOG11000195892**

District nun:	1	Api number:	05904663
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Hellman Properties LLC		
County name:	Orange	Fieldname:	Seal Beach
Area name:	North Block	Section:	12
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	18.278
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809158.ssf		
Leasename:	Not Reported	Wellnumber:	33
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000195892		

BG257
SE
1/2 - 1 Mile

OIL_GAS **CAOG11000195893**

District nun:	1	Api number:	05904664
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Hellman Properties LLC		
County name:	Orange	Fieldname:	Seal Beach
Area name:	North Block	Section:	12
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	11.974
Locationde:	Not Reported		
Gissourcec:	gps		

Comments:	68809158.ssf		
Leasename:	Not Reported	Wellnumber:	34
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000195893		

BI258
WNW
1/2 - 1 Mile

OIL_GAS **CAOG11000206507**

District nun:	1	Api number:	03708531
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	Alamitos	Section:	3
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	San Gabriel	Wellnumber:	16
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206507		

BE259
West
1/2 - 1 Mile

OIL_GAS **CAOG11000206487**

District nun:	1	Api number:	03708499
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	Alamitos	Section:	3
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	San Gabriel	Wellnumber:	10
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206487		

Map ID Direction Distance	Database	EDR ID Number

BF260
WNW
1/2 - 1 Mile

OIL_GAS **CAOG11000190465**

District nun:	1	Api number:	03708516
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	The Termo Company		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	South Block	Section:	3
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	15.324
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809148.ssf		
Leasename:	San Gabriel	Wellnumber:	40
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190465		

BI261
WNW
1/2 - 1 Mile

OIL_GAS **CAOG11000190468**

District nun:	1	Api number:	03708524
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	The Termo Company		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	South Block	Section:	3
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	12.689
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809148.ssf		
Leasename:	San Gabriel	Wellnumber:	49
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000190468		

BI262
WNW
1/2 - 1 Mile

OIL_GAS **CAOG11000214468**

District nun:	1	Api number:	03720898
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	The Termo Company		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	South Block	Section:	3
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	San Gabriel	Wellnumber:	56
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000214468		

BH263
West
1/2 - 1 Mile

OIL_GAS **CAOG11000205658**

District nun:	1	Api number:	03707166
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Conoco Inc.		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	Alamitos	Section:	3
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	McGrath	Wellnumber:	25
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205658		

BJ264
SE
1/2 - 1 Mile

OIL_GAS **CAOG11000196886**

District nun:	1	Api number:	05907001
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Hellman Properties LLC		
County name:	Orange	Fieldname:	Seal Beach
Area name:	North Block	Section:	12
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	13.161
Locationde:	Not Reported		
Gissourcec:	gps		

Comments:	68809158.ssf		
Leasename:	Not Reported	Wellnumber:	46
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000196886		

BJ266
SE
1/2 - 1 Mile

OIL_GAS **CAOG11000196888**

District nun:	1	Api number:	05907001
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Hellman Properties LLC		
County name:	Orange	Fieldname:	Seal Beach
Area name:	North Block	Section:	12
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	13.161
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809158.ssf		
Leasename:	Not Reported	Wellnumber:	46
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000196888		

BJ265
SE
1/2 - 1 Mile

OIL_GAS **CAOG11000196887**

District nun:	1	Api number:	05907001
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Hellman Properties LLC		
County name:	Orange	Fieldname:	Seal Beach
Area name:	North Block	Section:	12
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	13.161
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809158.ssf		
Leasename:	Not Reported	Wellnumber:	46
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000196887		

Map ID
Direction
Distance

Database | EDR ID Number

BJ267
SE
1/2 - 1 Mile

OIL_GAS **CAOG11000196889**

District nun:	1	Api number:	05907002
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Hellman Properties LLC		
County name:	Orange	Fieldname:	Seal Beach
Area name:	North Block	Section:	12
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	12.791
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809158.ssf		
Leasename:	Not Reported	Wellnumber:	47
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AWD
Site id:	CAOG11000196889		

BJ268
SE
1/2 - 1 Mile

OIL_GAS **CAOG11000196890**

District nun:	1	Api number:	05907002
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Hellman Properties LLC		
County name:	Orange	Fieldname:	Seal Beach
Area name:	North Block	Section:	12
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	12.791
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809158.ssf		
Leasename:	Not Reported	Wellnumber:	47
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AWD
Site id:	CAOG11000196890		

BJ269
SE
1/2 - 1 Mile

OIL_GAS **CAOG11000196891**

District nun:	1	Api number:	05907003
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Hellman Properties LLC		
County name:	Orange	Fieldname:	Seal Beach
Area name:	North Block	Section:	12
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	10.804
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809158.ssf		
Leasename:	Not Reported	Wellnumber:	48
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000196891		

BK270
West
1/2 - 1 Mile

OIL_GAS **CAOG11000205646**

District nun:	1	Api number:	03707154
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Conoco Inc.		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	Alamitos	Section:	3
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	McGrath	Wellnumber:	4
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205646		

BL271
WNW
1/2 - 1 Mile

OIL_GAS **CAOG11000190461**

District nun:	1	Api number:	03708510
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	The Termo Company		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	North Block	Section:	3
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	15.599
Locationde:	Not Reported		
Gissourcec:	gps		

Comments:	68809148.ssf		
Leasename:	San Gabriel	Wellnumber:	34
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190461		

BL272
WNW
1/2 - 1 Mile

OIL_GAS **CAOG11000190462**

District nun:	1	Api number:	03708511
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	The Termo Company		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	North Block	Section:	3
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	13.653
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809148.ssf		
Leasename:	San Gabriel	Wellnumber:	35
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	ADG
Site id:	CAOG11000190462		

BM273
SSW
1/2 - 1 Mile

OIL_GAS **CAOG11000200442**

District nun:	1	Api number:	25907895
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	ExxonMobil Corporation		
County name:	Orange Offshore	Fieldname:	Belmont Offshore
Area name:	Old	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	3.769
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809088.ssf		
Leasename:	State PRC 186	Wellnumber:	210
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PWD
Site id:	CAOG11000200442		

Map ID Direction Distance	Database	EDR ID Number

BM274
SSW
1/2 - 1 Mile

OIL_GAS **CAOG11000200441**

District nun:	1	Api number:	25907894
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	ExxonMobil Corporation		
County name:	Orange Offshore	Fieldname:	Belmont Offshore
Area name:	Old	Section:	11
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	7.175
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809088.ssf		
Leasename:	State PRC 186	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PWD
Site id:	CAOG11000200441		

BL275
WNW
1/2 - 1 Mile

OIL_GAS **CAOG11000190458**

District nun:	1	Api number:	03708505
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	The Termo Company		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	North Block	Section:	3
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	10.784
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809148.ssf		
Leasename:	San Gabriel	Wellnumber:	29
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190458		

BL276
WNW
1/2 - 1 Mile

OIL_GAS **CAOG11000190470**

District nun:	1	Api number:	03708543
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	The Termo Company		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	North Block	Section:	3
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	10.03
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	68809148.ssf		
Leasename:	San Gabriel	Wellnumber:	54
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190470		

BK277
West
1/2 - 1 Mile

OIL_GAS **CAOG11000205287**

District nun:	1	Api number:	03706387
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Estate of Warren F. McGrath		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	Alamitos	Section:	3
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	McGrath	Wellnumber:	21
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205287		

278
WNW
1/2 - 1 Mile

OIL_GAS **CAOG11000206501**

District nun:	1	Api number:	03708525
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	South Block	Section:	3
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

Comments:	Not Reported		
Leasename:	San Gabriel	Wellnumber:	50
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206501		

279
NW
1/2 - 1 Mile

OIL_GAS **CAOG11000206519**

District nun:	1	Api number:	03708545
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	Alamitos	Section:	3
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	San Gabriel-Alamitos	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206519		

280
WNW
1/2 - 1 Mile

OIL_GAS **CAOG11000206516**

District nun:	1	Api number:	03708540
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	South Block	Section:	3
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	San Gabriel	Wellnumber:	51
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206516		

Map ID Direction Distance	Database	EDR ID Number

281
ESE
1/2 - 1 Mile

OIL_GAS **CAOG11000217278**

District nun:	1	Api number:	05900011
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	Hellman Properties LLC		
County name:	Orange	Fieldname:	Seal Beach
Area name:	North Block	Section:	12
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000217278		

BN282
NW
1/2 - 1 Mile

OIL_GAS **CAOG11000206521**

District nun:	1	Api number:	03708547
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	Alamitos	Section:	3
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	San Gabriel-Alamitos	Wellnumber:	3
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206521		

BN283
WNW
1/2 - 1 Mile

OIL_GAS **CAOG11000206520**

District nun:	1	Api number:	03708546
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	Alamitos	Section:	3
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	San Gabriel-Alamitos	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206520		

284
West
1/2 - 1 Mile

OIL_GAS **CAOG11000205657**

District nun:	1	Api number:	03707165
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Conoco Inc.		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	Alamitos	Section:	3
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	McGrath	Wellnumber:	23
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205657		

285
WNW
1/2 - 1 Mile

OIL_GAS **CAOG11000206517**

District nun:	1	Api number:	03708542
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	The Termo Company		
County name:	Los Angeles	Fieldname:	Seal Beach
Area name:	Alamitos	Section:	3
Township:	05S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported		
Leasename:	San Gabriel	Wellnumber:	53
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206517		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
90803	49	0

Federal EPA Radon Zone for LOS ANGELES County: 2

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 LOS ANGELES COUNTY, CA

Number of sites tested: 63

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.711 pCi/L	98%	2%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	0.933 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data, 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.

State Wetlands Data: Wetland Inventory
Source: Department of Fish & Game
Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW[R] Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Database
Source: Department of Water Resources
Telephone: 916-651-9648

California Drinking Water Quality Database
Source: Department of Public Health
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations
Source: Department of Conservation
Telephone: 916-323-1779
Oil and Gas well locations in the state.

RADON

State Database: CA Radon
Source: Department of Health Services
Telephone: 916-324-2208
Radon Database for California

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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Appendix C

PHASE II DRILLING AND SAMPLING REPORT – PUMPKIN PATCH PROPERTY

ADVANCED ENVIRONMENTAL CONCEPTS INC

March 19, 2012

Mr. Mike Barmettler
Lyon Communities
4901 Birch Street
Newport Beach, California 92660

RE: Phase II Drilling and Sampling Report
Pumpkin Patch
Pacific Coast Highway and Studebaker Road
Long Beach, California 90803

Dear Mr. Barmettler;

Advanced Environmental Concepts, Inc. (AEC) is pleased to present the following summary report for the drilling and sampling of seven soil borings at the former seasonal retail pumpkin and Christmas tree lot identified as the "Pumpkin Patch" at the southeast corner of Pacific Coast Highway and Studebaker Road, Long Beach, California. The property is currently perimeter fenced and consists of hard-packed dirt.

1.0 BACKGROUND

AEC conducted a Phase I Site Assessment on the subject property and identified the following: The subject property consists of 7.08 gross acres (6.95 net acres) of open ground owned by the Bixby Ranch Company. The western two-thirds of the subject property is currently undeveloped, has historically been used for seasonal sales of pumpkins and Christmas trees, and formerly consisted of 7-acres (approximately 2.75-acres north of Studebaker Road has been developed with commercial buildings and identified as The Market Place). The eastern one-third of the property consists of open ground that is a part of the Seal Beach Oil Field and there is currently one active pumping unit at the southern boundary of Parcel 6 along with surface and subsurface oil field pipelines bisecting Parcels 4, 5 and 6. The subject property consists of Assessor's Parcel Numbers (APN's) 7237-020-043, 044, and 045 and is within a portion of the Northwest Quarter of Section 11; Township 5 South, Range 12 West, of the San Bernardino Base & Meridian System.

Currently, the western two-thirds of the subject property identified as Parcel 4 (4.34 gross acres) consists of perimeter-fenced level graded open ground that is used for seasonal pumpkin and Christmas tree sales during the fall and winter months. Access is from Studebaker Road through a swing gate attached to the chain link fence. Studebaker Road and an asphalt-paved parking lot associated with The Market Place commercial development form the north boundary, the San Gabriel River forms the south boundary, Pacific Coast Highway forms the west boundary, and the Seal Beach Oil Field forms the east boundary. In the central portion of the property AEC identified a small surface drainage gully that flows from south to north. Also, along the east boundary of the Pumpkin Patch portion of the site is a fenced compound where the trailers are stored that are used for the seasonal pumpkin and Christmas tree sales.

The eastern one-third of the subject property consists of Parcel 5 (1.36 gross acres) and Parcel 6 (1.38 gross acres). These two parcels are bisected by a hill slope approximately 15-feet in elevation that trends north-south. The eastern half of Parcels 5 and 6 are improved with an active oil field "horse-head" type pumping unit and surface and subsurface pipelines for oil delivery. The oil field infrastructure is on a lease basis with the property owners.

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Historically, the property used to encompass land that extended north across Studebaker Road. That portion of the property has been developed with commercial office buildings during the mid 1980s (The Market Place). Prior to development, the 7-acre property was leased from the Bixby Ranch Company in 1960 by City Dump and Salvage, Inc. of Long Beach, California for the creation of the City Dump and Salvage Landfill #2. AEC has reviewed a "Final Report, Assessment of the Bixby Ranch Company Sanitary Landfill for the Presence of Hazardous Substances", IT Corporation, June 30, 1987 and obtained the historical information regarding the landfill. During September 1960, City Dump and Salvage received a permit from the County of Los Angeles, Industrial Waste Division, to accept wastes in the eastern half of the site at a minimum of 300-feet from Pacific Coast Highway. The waste accepted at the facility was supposed to comply with the following criteria:

- non-water soluble, non-decomposable inert solids;
- ordinary household and commercial refuse, including decomposable organic refuse and scrap metal;
- garbage and market refuse.

The disposal of liquids, semi-liquids, and hazardous classified waste was not permitted. City Dump and Salvage commenced waste acceptance operations at the site in mid-1960 (prior to receiving an approved permit) and ceased operations in early 1961 after filling the landfill to its permitted capacity. Clients of the City Dump and Salvage landfill included the City of Long Beach, J & S Disposal Company (City of Lakewood), and the Veteran's Administration Hospital.

AEC was contracted by Lyon Communities to investigate the current subsurface soil and groundwater conditions within the former landfill trench and outside the confines of the trench. Following are the results of AEC's investigation.

2.0 DRILLING AND SAMPLING SERVICES

2.1 Cone Penetration Testing (CPT) Investigation

On January 16, 2012, AEC mobilized to the former Pumpkin Patch property to collect groundwater samples from the first water-bearing zone identified at the site using the CPT drill rig operated by Kehoe Testing Services (Kehoe). The CPT investigation was initiated by the Kling Consulting Group as a part of their geotechnical investigation of physical soil properties prior to development. The initial CPT soil boring was sited in the northwest portion of the subject property and labeled C-1; the second CPT boring (C-2) was located in the southwest portion of the site (east of existing well MW-1); and the third CPT boring (C-3) was sited in the southern portion of the former landfill trench. The three CPT boring locations were selected by KCG and AEC was present for the collection of isolated groundwater samples from the first encountered water-bearing zone. The initial water-bearing zone identified in C-1 was at 21-feet bgs. This zone yielded adequate water to analyze for the entire suite of recommended samples. C-2 encountered water at approximately 21-feet, however, the formation would not yield an adequate supply to fill the necessary containers, therefore, AEC collected a representative water sample for this area from MW-1 which was located approximately 50-feet to the west. C-3 was drilled within the southern portion of the landfill trench and yielded adequate water for required analyses.
On January 17, 2012, J & H Drilling mobilized their hollow-stem auger rig to drill and sample four soil borings at the subject site. Boring B-1 was drilled within the former landfill trench and was sited north of C-3; B-2 was drilled west of the onsite surface drainage gully and just outside of the landfill trench; B-3 was drilled at the northeast corner of the existing pad proximal to the eastern oil pipeline infrastructure; and B-4 was drilled in the western portion of the pad in an area assumed to be devoid of any potential contamination.

• ENVIRONMENTAL CONCEPTS WITH DESIGN IN MIND •

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Soil samples from the hollow-stem augers were collected using a split-spoon sampler lined with brass sleeves at intervals of 5-feet. The soil boring in the northern portion of the landfill trench (B-1) exhibited common landfill debris consisting of wood, paper, and medical waste to a vertical depth of 33-feet below ground surface (bgs). Site history derived from prior report review indicated that a portion of the landfilled debris was obtained from the Veterans Hospital in Long Beach, therefore, the medical waste was anticipated. At 35-feet bgs in B-1 an unconsolidated very moist to saturated sand was encountered which was underlain by a plastic, compact clay at 38-feet bgs. This clay has the potential to be a confining layer impeding the vertical migration of contaminants, therefore, drilling was terminated and the boring was backfilled with bentonite grout. Boring B-2 was positioned along the west side of the thin drainage gully that bisects the site and also appears to parallel the western edge of the landfill trench. Boring B-2 indicated that debris consisting of newspaper and wood occurred at 12-feet bgs and continued to 17-feet bgs indicating the peripheral western edge of the landfill trench. Groundwater was described at 21-feet bgs. Boring B-3 was located along the small promontory at the northeast corner of the graded pad and is proximal to the oil field surface and subsurface piping and distribution system. Fill soil was encountered to approximately 7-feet bgs, then concrete rubble was described. The boring was moved a few feet north and no concrete rubble was encountered. Groundwater was logged at approximately 20.5-feet bgs. A groundwater sample from this boring was difficult to obtain based on the slow recharge, therefore, this boring was allowed to remain "open" while B-4 was drilled in an effort to allow sufficient water to fill the borehole. The borehole remained open for an hour and AEC was only able to fill three 40 ml VOA vials, therefore, only TPH-gasoline and Volatile Organic Compounds (VOCs) were tested. Boring B-4 was sited in the central-western portion of the graded pad and this boring was terminated in the silt layer identified at 22-feet bgs. Again, groundwater was encountered at 20.5-feet bgs and is "perched" on the silt layer. A water sample was not obtained from this location since water samples were previously collected from C-1 and MW-1.

3.0 DISCUSSION OF ANALYTICAL RESULTS

3.1 Soil Sample Results

AEC collected soil samples for laboratory analysis and also obtained "grab" groundwater samples from first encountered groundwater. Selected soil samples were analyzed for TPH-carbon chain (TPH-cc), Volatile Organic Compounds (VOCs), Poly-nuclear Aromatics (PNAs), Polychlorinated Biphenyls (PCBs), and Title 22 Metals or Lead. The results of the soil analyses indicates that the area of environmental impact exceeding regulatory-derived "actionable" concentrations occurs within the confines of the former landfill trench and confirmed with the soil samples obtained from B-1. The analytes that commonly exceeded regulatory-driven "actionable" concentrations were the Poly-nuclear Aromatics (PNAs) of which Naphthalene was the most common detection. Naphthalene is a common naturally occurring by-product of oil field production and is also a precursor to the anthropogenic formulation of other chemicals, therefore, would be expected to be identified within the confines of a former landfill from 1960 that is within the boundaries of an oil field that has been producing since the 1920s.

3.2 Groundwater Sample Results

AEC collected groundwater samples from first encountered groundwater. Selected groundwater samples were analyzed for TPH-carbon chain (TPH-cc), Volatile Organic Compounds (VOCs), Poly-nuclear Aromatics (PNAs), Polychlorinated Biphenyls (PCBs), and Title 22 Metals or Lead (Based on volume of water that could be collected). The results of the water analyses indicates that the area of environmental impact exceeding regulatory-derived "actionable" concentrations also occurs within the confines of the former landfill trench and confirmed with the water samples obtained from C-3 and B-1. The analytes that commonly exceed regulatory-driven "actionable" concentrations in groundwater are the Poly-nuclear Aromatics (PNAs), again of which Naphthalene was a common detection, Mercury, and Benzene.

- ENVIRONMENTAL CONCEPTS WITH DESIGN IN MIND -

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4.0 CONCLUSIONS AND RECOMMENDATIONS

AEC presents the following based on the recently conducted soil and groundwater investigation:

- The central graded portion of the Pumpkin Patch property was formerly used as a landfill during 1960-1961 and accepted construction waste, household waste, and medical waste.

- Prior drilling and sampling by the IT Corporation during 1987 and recent drilling and sampling conducted by AEC indicates the landfilled debris extends to a maximum depth of approximately 33-feet bgs in the central portion of the former trench and is shallower along the sides. The entire estimated dimension of the area impacted with buried waste is approximately 320-feet long (north-south); 320-feet wide (east-west); and 33-feet in depth. The volume of debris buried in the central portion of the trench from grade level to 33-feet bgs occupies an area of approximately 180-feet x 180-feet (approximately 39,600 cubic yards) and the volume of waste along the sloped portions of the former trench approximates 10,000-cubic yards.

- Within the area of the landfill the volume is occupied by approximately 80% debris and 20% soil.

- Analytical results for soil and/or groundwater within the perimeter of the landfill exhibit low concentrations of Hydrocarbons, VOC's, PNA's, Mercury, and PCBs that exceed one or all of the three comparative criteria that AEC has used for the site consisting of EPA Region 9Regional Screening Leves (RSLs) for for soil and groundwater (November 2011); San Francisco Bay Area Regional Water Quality Control Board Environmental Screening Levels (ESLs) (May 2008); and Import Fill Criteria for Pier A West/Area 2. Please refer to the attached soil and groundwater tables for the analytical results and how they compare to the different regulatory "actionable" concentrations that may govern mitigation and disposal options.

- AEC recommends excavation of the area of the former landfill and segregation of debris from the soil prior to performance of further soil and groundwater sampling to determine the extent if Contaminants of Potential Concern (COPCs). Excavation of the refuse and soil will constitute "primary source removal" andreduce the possibility of further leaching of contaminants into groundwater. The debris removed from the excavation will need to be loaded and transported to a Transfer Station for disposal at a non-hazardous Class III landfill. The excavated soil separated from the debris will need to be re-sampled for purposes of profiling the soil for subsequent disposal at a Class I, II, or III landfill or at Pier A West/Area 2 based on the laboratory identified concentrations. Recommended mitigation of soil and debris within the water-bearing zone identified between approximately 17-feet to 33-feet bgs is proposed for in-situ encapsulation using a cement-like mixture to render the material an inert monolith.

- The excavation created during the debris removal will need to be backfilled and compacted with "clean" import fill. Following backfill and compaction it may be necessary to conduct further groundwater investigation and monitoring. AEC recommends installing four groundwater monitoring wells (one inside the former landfill perimeter), and three wells outside the perimeter to identify and quantify remaining COPCs and obtain a no further action letter from the Los Angeles Regional Water Quality Control Board. Removal of the landfill debris coupled with the backfilling of the excavation with "clean" import fill will passively attenuate the current contaminants identified in groundwater.

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5.0 CLOSING

AEC appreciates the opportunity to prepare this summary sampling report for your review. If you should require additional information, please do not hesitate to contact AEC at your convenience.

Sincerely,

Advanced Environmental Concepts, Inc.

Jonathan L. Buck
California Registered Geologist #7468

REGISTERED GEOLOGIST
JONATHAN L. BUCK
RENEWAL DATE
2/13
No. 7468
STATE OF CALIFORNIA

Cc: Mr. Peter Zak

- ENVIRONMENTAL CONCEPTS WITH DESIGN IN MIND -

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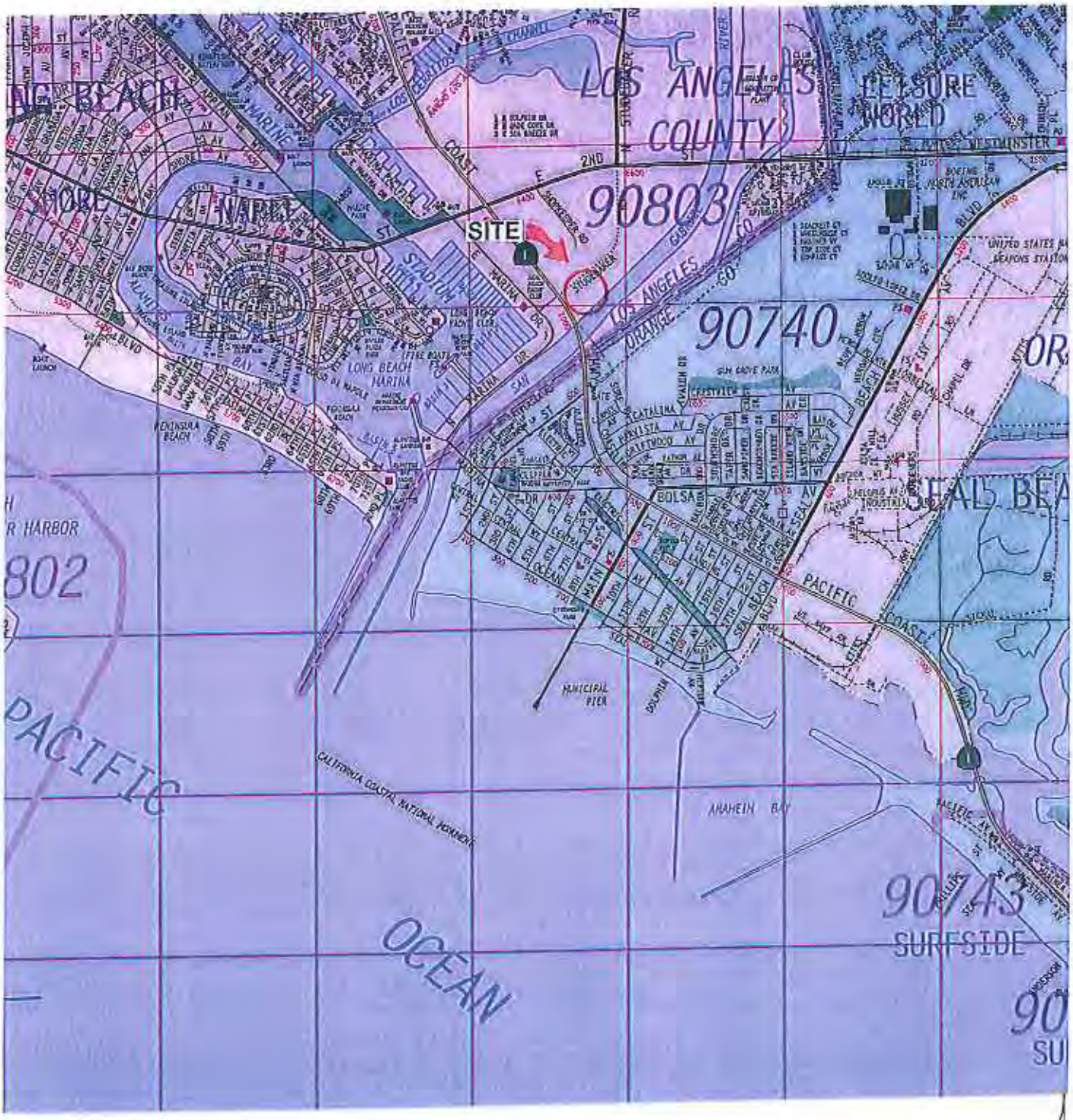
Appendix A

FIGURES



ADVANCED ENVIRONMENTAL CONCEPTS

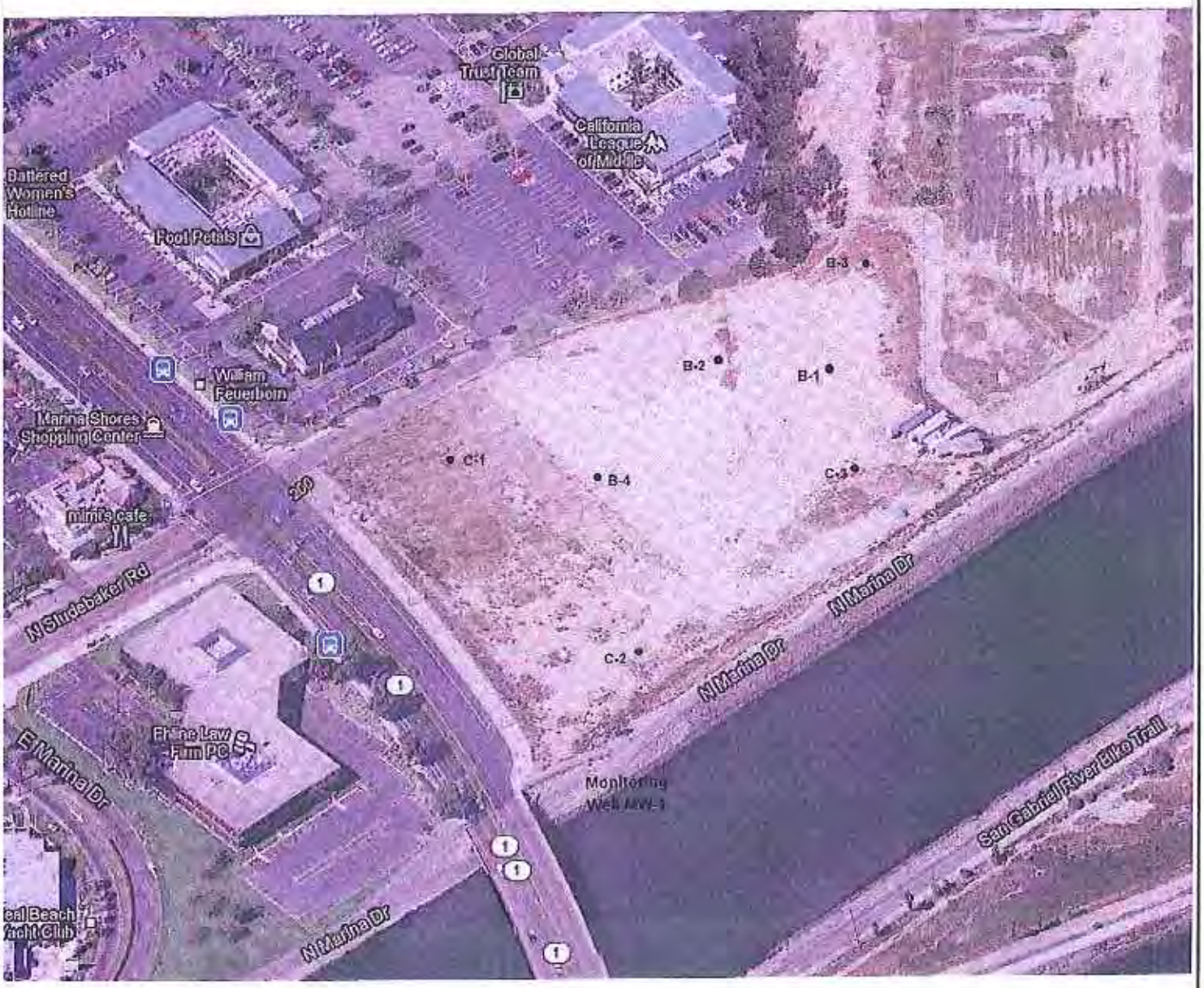
ADVANCED ENVIRONMENTAL CONCEPTS
220 E. Truxtun Avenue Bakersfield, CA 93305

- Site Location Map -

Pumpkin Patch Property
7001 East Pacific Coast Highway
County of Los Angeles • Long Beach, California

FIGURE

1



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ADVANCED ENVIRONMENTAL CONCEPTS

ADVANCED ENVIRONMENTAL CONCEPTS
220 E. Truxtun Avenue Bakersfield, CA 93305

- Boring Location Map -

Pumpkin Patch Property
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FIGURE

2

Appendix B

TABLES

Soil Sample Results
Pumpkin Patch
Pacific Coast Highway & Studebaker Road
Long Beach, California

Table 1
VOC Results

	Sample ID:	B-1-5'	B-1-20'	B-1-38'	B-2-5'	B-2-10'	B-2-20'	B-2-25'	B-2-30'	B-3-5'	B-3-15'	B-3-20'	B-3-30'	B-4-5'	B-4-10'	B-4-15'	B-4-20'	*EPA Region 9 PRG's April 2009*	*Deep Soil Screening Levels Residential Land Use (groundwater is not a current or potential drinking water source) November 2007*	*Import Fill Chemical Acceptance Criteria (Interim/Source Removal Action at Pier West/Area 2)*
	Sample Date:	1/17/12	1/17/12	1/17/12	1/17/12	1/17/12	1/17/12	1/17/12	1/17/12	1/17/12	1/17/12	1/17/12	1/17/12	1/17/12	1/17/12	1/17/12	1/17/12			
	Analytical Method:	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B			
Analyte	**Units**																			
1,1,1,2-Tetrachloroethane	ug/Kg	ND<240	ND<0.24	ND<0.24	ND<0.24	ND<0.24	ND<0.24	ND<0.24	ND<0.24	ND<0.24	NA	ND<0.24	ND<0.24	ND<0.24	ND<0.24	ND<0.24	ND<0.24			
1,1,1-Trichloroethane	ug/Kg	ND<150	ND<0.15	ND<0.15	ND<0.15	ND<0.15	ND<0.15	ND<0.15	ND<0.15	ND<0.15	NA	ND<0.15	ND<0.15	ND<0.15	ND<0.15	ND<0.15	ND<0.15			
1,1,2,2-Tetrachloroethane	ug/Kg	ND<290	ND<0.29	ND<0.29	ND<0.29	ND<0.29	ND<0.29	ND<0.29	ND<0.29	ND<0.29	NA	ND<0.29	ND<0.29	ND<0.29	ND<0.29	ND<0.29	ND<0.29			
1,1,2-Trichloroethane	ug/Kg	ND<220	ND<0.22	ND<0.22	ND<0.22	ND<0.22	ND<0.22	ND<0.22	ND<0.22	ND<0.22	NA	ND<0.22	ND<0.22	ND<0.22	ND<0.22	ND<0.22	ND<0.22			
1,1,2-Trichlorotrifluoroethane	ug/Kg	ND<740	ND<0.74	ND<0.74	ND<0.74	ND<0.74	ND<0.74	ND<0.74	ND<0.74	ND<0.74	NA	ND<0.74	ND<0.74	ND<0.74	ND<0.74	ND<0.74	ND<0.74			
1,1-Dichloroethane	ug/Kg	ND<230	ND<0.23	ND<0.23	ND<0.23	ND<0.23	ND<0.23	ND<0.23	ND<0.23	ND<0.23	NA	ND<0.23	ND<0.23	ND<0.23	ND<0.23	ND<0.23	ND<0.23			
1,1-Dichloroethene	ug/Kg	ND<180	ND<0.18	ND<0.18	ND<0.18	ND<0.18	ND<0.18	ND<0.18	ND<0.18	ND<0.18	NA	ND<0.18	ND<0.18	ND<0.18	ND<0.18	ND<0.18	ND<0.18			
1,1-Dichloropropene	ug/Kg	ND<210	ND<0.21	ND<0.21	ND<0.21	ND<0.21	ND<0.21	ND<0.21	ND<0.21	ND<0.21	NA	ND<0.21	ND<0.21	ND<0.21	ND<0.21	ND<0.21	ND<0.21			
1,2,3-Trichlorobenzene	ug/Kg	ND<180	ND<0.18	ND<0.18	ND<0.18	ND<0.18	ND<0.18	ND<0.18	ND<0.18	ND<0.18	NA	ND<0.18	ND<0.18	ND<0.18	ND<0.18	ND<0.18	ND<0.18			
1,2,3-Trichloropropane	ug/Kg	ND<200	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2	NA	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2			
1,2,4-Trichlorobenzene	ug/Kg	ND<330	ND<0.33	ND<0.33	ND<0.33	ND<0.33	ND<0.33	ND<0.33	ND<0.33	ND<0.33	NA	ND<0.33	ND<0.33	ND<0.33	ND<0.33	ND<0.33	ND<0.33			
1,2,4-Trimethylbenzene	ug/Kg	**13000**	110	ND<0.28	ND<0.28	2.8J	2.5J	ND<0.28	ND<0.28	ND<0.28	NA	ND<0.28	ND<0.28	ND<0.28	ND<0.28	ND<0.28	ND<0.28	0.067		330
1,2-Dibromo-3-chloropropane	ug/Kg	ND<200	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.12	ND<0.2	ND<0.2	ND<0.2	NA	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2			
1,2-Dibromoethane	ug/Kg	ND<120	ND<0.12	ND<0.12	ND<0.12	ND<0.12	ND<0.19	ND<0.12	ND<0.12	ND<0.12	NA	ND<0.12	ND<0.12	ND<0.12	ND<0.12	ND<0.12	ND<0.12			
1,2-Dichlorobenzene	ug/Kg	ND<180	ND<0.18	ND<0.18	ND<0.18	ND<0.18	ND<0.26	ND<0.18	ND<0.18	ND<0.18	NA	ND<0.18	ND<0.18	ND<0.18	ND<0.18	ND<0.18	ND<0.18			
1,2-Dichloroethane	ug/Kg	ND<140	ND<0.14	ND<0.14	ND<0.14	ND<0.14	ND<0.2	ND<0.14	ND<0.14	ND<0.14	NA	ND<0.14	ND<0.14	ND<0.14	ND<0.14	ND<0.14	ND<0.14			
1,2-Dichloropropane	ug/Kg	ND<340	ND<0.34	ND<0.34	ND<0.34	ND<0.34	ND<0.36	ND<0.34	ND<0.34	ND<0.34	NA	ND<0.34	ND<0.34	ND<0.34	ND<0.34	ND<0.34	ND<0.34			
1,3,5-Trimethylbenzene	ug/Kg	400J	26	ND<0.23	ND<0.23	1.6J	ND<0.23	ND<0.23	ND<0.23	ND<0.23	NA	ND<0.23	ND<0.23	ND<0.23	ND<0.23	ND<0.23	ND<0.23	0.047		NL
1,3-Dichlorobenzene	ug/Kg	ND<210	ND<0.21	ND<0.21	ND<0.21	ND<0.21	ND<0.34	ND<0.21	ND<0.21	ND<0.21	NA	ND<0.21	ND<0.21	ND<0.21	ND<0.21	ND<0.21	ND<0.21			
1,3-Dichloropropane	ug/Kg	ND<190	ND<0.19	ND<0.19	ND<0.19	ND<0.19	ND<0.19	ND<0.19	ND<0.19	ND<0.19	NA	ND<0.19	ND<0.19	ND<0.19	ND<0.19	ND<0.19	ND<0.19			
1,4-Dichlorobenzene	ug/Kg	ND<240	44	ND<0.24	ND<0.24	ND<0.24	ND<0.24	ND<0.24	ND<0.24	ND<0.24	NA	ND<0.24	ND<0.24	ND<0.24	ND<0.24	ND<0.24	ND<0.24	0.0026		330
2,2-Dichloropropane	ug/Kg	ND<190	ND<0.19	ND<0.19	ND<0.19	ND<0.19	ND<0.19	ND<0.19	ND<0.19	ND<0.19	NA	ND<0.19	ND<0.19	ND<0.19	ND<0.19	ND<0.19	ND<0.19			
2-Butanone (MEK)	ug/Kg	ND<720	ND<0.72	ND<0.72	ND<0.72	ND<0.72	ND<0.72	ND<0.72	ND<0.72	ND<0.72	NA	ND<0.72	ND<0.72	ND<0.72	ND<0.72	ND<0.72	ND<0.72			
2-Chloroethyl vinyl ether	ug/Kg	ND<300	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<0.3	NA	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<0.3			
2-Chlorotoluene	ug/Kg	ND<250	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	NA	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25			
4-Chlorotoluene	ug/Kg	ND<220	ND<0.22	ND<0.22	ND<0.22	ND<0.22	ND<0.22	ND<0.22	ND<0.22	ND<0.22	NA	ND<0.22	ND<0.22	ND<0.22	ND<0.22	ND<0.22	ND<0.22			
4-Isopropyltoulene	ug/Kg	6200	130	ND<0.27	ND<0.27	1.6J	2.7J	ND<0.27	ND<0.27	ND<0.27	NA	ND<0.27	ND<0.27	ND<0.27	ND<0.27	ND<0.27	ND<0.27	NL		NL
4-Methyl -2-Pentanone	ug/Kg	ND<170	6.5	ND<0.17	ND<0.17	ND<0.17	ND<0.17	ND<0.17	ND<0.17	ND<0.17	NA	ND<0.17	ND<0.17	ND<0.17	ND<0.17	ND<0.17	ND<0.17	NL		NL
Acetone	ug/Kg	ND<1000	**190**	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	NA	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	61		NL
Allyl chloride	ug/Kg	ND<140	ND<0.14	ND<0.14	ND<0.14	ND<0.14	ND<0.14	ND<0.14	ND<0.14	ND<0.14	NA	ND<0.14	ND<0.14	ND<0.14	ND<0.14	ND<0.14	ND<0.14			
Benzene	ug/Kg	ND<180	**1.7J**	ND<0.18	ND<0.18	ND<0.18	ND<0.18	ND<0.18	ND<0.18	ND<0.18	NA	ND<0.18	ND<0.18	ND<0.18	ND<0.18	ND<0.18	ND<0.18	0.0011		5
Bromobenzene	ug/Kg	ND<300	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<0.3	NA	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<0.3			
Bromochloromethane	ug/Kg	ND<180	ND<0.18	ND<0.18	ND<0.18	ND<0.18	ND<0.18	ND<0.18	ND<0.18	ND<0.18	NA	ND<0.18	ND<0.18	ND<0.18	ND<0.18	ND<0.18	ND<0.18			
Bromodichloromethane	ug/Kg	ND<200	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2	NA	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2			
Bromoform	ug/Kg	ND<190	ND<0.19	ND<0.19	ND<0.19	ND<0.19	ND<0.19	ND<0.19	ND<0.19	ND<0.19	NA	ND<0.19	ND<0.19	ND<0.19	ND<0.19	ND<0.19	ND<0.19			
Bromomethane	ug/Kg	ND<220	ND<0.22	ND<0.22	ND<0.22	ND<0.22	ND<0.22	ND<0.22	ND<0.22	ND<0.22	NA	ND<0.22	ND<0.22	ND<0.22	ND<0.22	ND<0.22	ND<0.22			
Carbon tetrachloride	ug/Kg	ND<180	ND<0.18	ND<0.18	ND<0.18	ND<0.18	ND<0.18	ND<0.18	ND<0.18	ND<0.18	NA	ND<0.18	ND<0.18	ND<0.18	ND<0.18	ND<0.18	ND<0.18			
Chlorobenzene	ug/Kg	ND<180	ND<0.18	ND<0.18	ND<0.18	ND<0.18	ND<0.18	ND<0.18	ND<0.18	ND<0.18	NA	ND<0.18	ND<0.18	ND<0.18	ND<0.18	ND<0.18	ND<0.18			
Chlorodibromomethane	ug/Kg	ND<190	ND<0.19	ND<0.19	ND<0.19	ND<0.19	ND<0.19	ND<0.19	ND<0.19	ND<0.19	NA	ND<0.19	ND<0.19	ND<0.19	ND<0.19	ND<0.19	ND<0.19			
Chloroethane	ug/Kg	ND<200	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2	NA	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2			
Chloroform	ug/Kg	ND<170	ND<0.17	ND<0.17	ND<0.17	ND<0.17	ND<0.17	ND<0.17	ND<0.17	ND<0.17	NA	ND<0.17	ND<0.17	ND<0.17	ND<0.17	ND<0.17	ND<0.17			
Chloromethane	ug/Kg	ND<210	ND<0.21	ND<0.21	ND<0.21	ND<0.21	ND<0.21	ND<0.21	ND<0.21	ND<0.21	NA	ND<0.21	ND<0.21	ND<0.21	ND<0.21	ND<0.21	ND<0.21			
cis-1,2-Dichloroethene	ug/Kg	ND<200	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2	NA	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2			
cis-1,3-Dichloropropene	ug/Kg	ND<200	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2	NA	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2			
cis-1,4-Dichloro-2-butene	ug/Kg	ND<200	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2	NA	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2			
Dibromomethane	ug/Kg	ND<230	ND<0.23	ND<0.23	ND<0.23	ND<0.23	ND<0.23	ND<0.23	ND<0.23	ND<0.23	NA	ND<0.23	ND<0.23	ND<0.23	ND<0.23	ND<0.23	ND<0.23			

Soil Sample Results
Pumpkin Patch
Pacific Coast Highway & Studebaker Road
Long Beach, California

Table 1 (Continued)
VOC Results

	Sample ID:	B-1-5'	B-1-20'	B-1-36'	B-2-5'	B-2-10'	B-2-20'	B-2-25'	B-2-30'	B-3-5'	B-3-15'	B-3-20'	B-3-30'	B-4-5'	B-4-10'	B-4-15'	B-4-20'	*EPA Region 9 PRG's April 2009*	*Deep Soil Screening Levels Residential Land Use (groundwater is not a current or potential drinking water source) November 2007*	*Import Fill Chemical Acceptance Criteria (Interim/Source Removal Action at Pier West/Area 2)*
	Sample Date:	1/17/12	1/17/12	1/17/12	1/17/12	1/17/12	1/17/12	1/17/12	1/17/12	1/17/12	1/17/12	1/17/12	1/17/12	1/17/12	1/17/12	1/17/12	1/17/12			
	Analytical Method:	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B			
Analyte	**Units**																			
Dichlorodifluoromethane	ug/Kg	ND<290	ND<0.23	ND<0.23	ND<0.23	ND<0.23	ND<0.23	ND<0.23	ND<0.23	ND<0.23	NA	ND<0.23	ND<0.23	ND<0.23	ND<0.23	ND<0.23	ND<0.23			
Di-isopropyl ether(DIPE)	ug/Kg	ND<210	ND<0.21	ND<0.21	ND<0.21	ND<0.21	ND<0.21	ND<0.21	ND<0.21	ND<0.21	NA	ND<0.21	ND<0.21	ND<0.21	ND<0.21	ND<0.21	ND<0.21			
Ethylbenzene	ug/Kg	ND<250	**25**	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	NA	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	0.0057		5
Ethyl-terbutylether (ETBE)	ug/Kg	ND<420	ND<0.42	ND<0.42	ND<0.42	ND<0.42	ND<0.42	ND<0.42	ND<0.42	ND<0.42	NA	ND<0.42	ND<0.42	ND<0.42	ND<0.42	ND<0.42	ND<0.42			
Hexachlorobutadiene	ug/Kg	ND<380	ND<0.38	ND<0.38	ND<0.38	ND<0.38	ND<0.38	ND<0.38	ND<0.38	ND<0.38	NA	ND<0.38	ND<0.38	ND<0.38	ND<0.38	ND<0.38	ND<0.38			
Isopropylbenzene	ug/Kg	ND<170	3.5J	ND<0.17	ND<0.17	ND<0.17	ND<0.17	ND<0.17	ND<0.17	ND<0.17	NA	ND<0.17	ND<0.17	ND<0.17	ND<0.17	ND<0.17	ND<0.17	NL		NL
m and p-Xylene	ug/Kg	**3300J**	**31**	1.1J	1.1J	1.1J	1.4J	1.1J	ND<0.21	ND<0.21	NA	ND<0.21	ND<0.21	ND<0.21	ND<0.21	ND<0.21	ND<0.21	4.5		10
Methylene chloride	ug/Kg	ND<220	ND<0.22	ND<0.22	ND<0.22	ND<0.22	ND<0.22	ND<0.22	ND<0.22	ND<0.22	NA	ND<0.22	ND<0.22	ND<0.22	ND<0.22	ND<0.22	ND<0.22			
Methyl-tert-butylether (MTBE)	ug/Kg	ND<250	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	NA	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25			
Napthalene	ug/Kg	**1300000**	260	ND<0.28	ND<0.28	ND<0.28	ND<0.28	ND<0.28	ND<0.28	ND<0.28	NA	ND<0.28	ND<0.28	ND<0.28	ND<0.28	ND<0.28	ND<0.28	NL	4,800	330
n-Butylbenzene	ug/Kg	3500J	32	ND<0.16	ND<0.16	ND<0.16	ND<0.16	ND<0.16	ND<0.16	ND<0.16	NA	ND<0.16	ND<0.16	ND<0.16	ND<0.16	ND<0.16	ND<0.16	NL		NL
n-Propylbenzene	ug/Kg	ND<190	8.0	ND<0.19	ND<0.19	ND<0.19	ND<0.19	ND<0.19	ND<0.19	ND<0.19	NA	ND<0.19	ND<0.19	ND<0.19	ND<0.19	ND<0.19	ND<0.19	NL		NL
o-Xylene	ug/Kg	**2300J**	**19**	ND<0.13	ND<0.13	1.1J	ND<0.13	ND<0.13	ND<0.13	ND<0.13	NA	ND<0.13	ND<0.13	ND<0.13	ND<0.13	ND<0.13	ND<0.13	5.3		5
sec-Butylbenzene	ug/Kg	ND<340	5.7	ND<0.34	ND<0.34	ND<0.34	ND<0.34	ND<0.34	ND<0.34	ND<0.34	NA	ND<0.34	ND<0.34	ND<0.34	ND<0.34	ND<0.34	ND<0.34	NL		NL
Styrene	ug/Kg	ND<230	1.6J	ND<0.23	ND<0.23	ND<0.23	ND<0.23	ND<0.23	ND<0.23	ND<0.23	NA	ND<0.23	ND<0.23	ND<0.23	ND<0.23	ND<0.23	ND<0.23	6.5		5
t-Butyl alcohol (TBA)	ug/Kg	ND<8800	ND<0.23	ND<8.8	ND<8.8	ND<8.8	ND<8.8	ND<8.8	ND<8.8	ND<8.8	NA	ND<8.8	ND<8.8	ND<8.8	ND<8.8	ND<8.8	ND<8.8			
Tert-amylmethylether	ug/Kg	ND<190	ND<0.19	ND<0.19	ND<0.19	ND<0.19	ND<0.19	ND<0.19	ND<0.19	ND<0.19	NA	ND<0.19	ND<0.19	ND<0.19	ND<0.19	ND<0.19	ND<0.19			
tert-Butylbenzene	ug/Kg	ND<180	ND<0.18	ND<0.4	ND<0.4	ND<0.4	ND<0.18	ND<0.4	ND<0.18	ND<0.18	NA	ND<0.18	ND<0.18	ND<0.18	ND<0.18	ND<0.18	ND<0.18			
Tetrachloroethene	ug/Kg	ND<200	ND<0.2	ND<0.8	ND<0.8	ND<0.8	ND<0.2	ND<0.8	ND<0.2	ND<0.2	NA	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2			
Toluene	ug/Kg	ND<230	**220**	ND<0.23	ND<0.23	1.0J	ND<0.23	ND<0.23	ND<0.23	ND<0.23	NA	ND<0.23	ND<0.23	ND<0.23	ND<0.23	ND<0.23	ND<0.23	5	9,300	5
trans-1,2-Dichloroethene	ug/Kg	ND<230	ND<0.23	ND<0.33	ND<0.33	ND<0.33	ND<0.23	ND<0.33	ND<0.23	ND<0.23	NA	ND<0.23	ND<0.23	ND<0.23	ND<0.23	ND<0.23	ND<0.23			
trans-1,3-Dichloropropene	ug/Kg	ND<140	ND<0.14	ND<0.23	ND<0.23	ND<0.23	ND<0.14	ND<0.23	ND<0.14	ND<0.14	NA	ND<0.14	ND<0.14	ND<0.14	ND<0.14	ND<0.14	ND<0.14			
trans-1,4-Dichloro-2-butene	ug/Kg	ND<380	ND<0.38	ND<0.17	ND<0.17	ND<0.17	ND<0.38	ND<0.17	ND<0.38	ND<0.38	NA	ND<0.38	ND<0.38	ND<0.38	ND<0.38	ND<0.38	ND<0.38			
Trichloroethene	ug/Kg	ND<390	ND<0.39	ND<0.39	ND<0.39	ND<0.39	ND<0.39	ND<0.39	ND<0.39	ND<0.39	NA	ND<0.39	ND<0.39	ND<0.39	ND<0.39	ND<0.39	ND<0.39			
Trichlorofluoromethane	ug/Kg	ND<250	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	NA	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25			
Vinyl chloride	ug/Kg	ND<180	ND<0.18	ND<0.18	ND<0.18	ND<0.18	ND<0.18	ND<0.18	ND<0.18	ND<0.18	NA	ND<0.18	ND<0.18	ND<0.18	ND<0.18	ND<0.18	ND<0.18			
Xylenes, total	ug/Kg	**5600**	**51**	ND<0.45	ND<0.45	**2.2J**	**1.4J**	ND<0.45	ND<0.45	ND<0.45	NA	ND<0.45	ND<0.45	ND<0.45	ND<0.45	ND<0.45	ND<0.45	0.6	11,000	10

NL – Not Listed
NA – Not Analyzed
ND – Not Detected

Groundwater Sample Results
Pumpkin Patch
Pacific Coast Highway & Studebaker Road
Long Beach, California

Table 1A
VOC Results

	Sample ID:	C-1W	C-3W	MW-1	B-1W	B-3W	*EPA Region 9 MCL's April 2009*	*Groundwater Screening Levels (groundwater is not a current or potential drinking water resource) November 2007*
	Sample Date:	1/16/12	1/16/12	1/16/12	1/17/12	1/17/12		
	Analytical Method:	8260B	8260B	8260B	8260B	8260B		
Analyte	**Units**							
1,1,1,2-Tetrachloroethane	ug/L	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25		
1,1,1-Trichloroethane	ug/L	ND<0.38	ND<0.38	ND<0.38	ND<0.38	ND<0.38		
1,1,2,2-Tetrachloroethane	ug/L	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25		
1,1,2-Trichloroethane	ug/L	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25		
1,1,2-Trichlorotrifluoroethane	ug/L	ND<0.29	ND<0.29	ND<0.29	ND<0.29	ND<0.29		
1,1-Dichloroethane	ug/L	ND<0.32	ND<0.32	ND<0.32	ND<0.32	ND<0.32		
1,1-Dichloroethene	ug/L	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<0.3		
1,1-Dichloropropene	ug/L	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25		
1,2,3-Trichlorobenzene	ug/L	ND<0.28	ND<0.28	ND<0.28	ND<0.28	ND<0.28		
1,2,3-Trichloropropane	ug/L	ND<0.16	ND<0.16	ND<0.16	ND<0.16	ND<0.16		
1,2,4-Trichlorobenzene	ug/L	ND<0.27	**56**	ND<0.27	ND<0.27	ND<0.27	8.2	25
1,2,4-Trimethylbenzene	ug/L	ND<0.28	ND<0.28	ND<0.28	**38**	ND<0.28	15	NL
1,2-Dibromo-3-chloropropane	ug/L	ND<0.12	ND<0.12	ND<0.12	ND<0.12	ND<0.12		
1,2-Dibromoethane	ug/L	ND<0.19	ND<0.19	ND<0.19	ND<0.19	ND<0.19		
1,2-Dichlorobenzene	ug/L	ND<0.26	ND<0.26	ND<0.26	ND<0.26	ND<0.26		
1,2-Dichloroethane	ug/L	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2		
1,2-Dichloropropane	ug/L	ND<0.36	ND<0.36	ND<0.36	ND<0.36	ND<0.36		
1,3,5-Trimethylbenzene	ug/L	ND<0.24	ND<0.24	ND<0.24	7.9	ND<0.24	12	NL
1,3-Dichlorobenzene	ug/L	ND<0.34	ND<0.34	ND<0.34	ND<0.34	ND<0.34		
1,3-Dichloropropane	ug/L	ND<0.19	ND<0.19	ND<0.19	ND<0.19	ND<0.19		
1,4-Dichlorobenzene	ug/L	ND<0.43	**17**	ND<0.43	**7.1**	ND<0.43	0.43	15
2,2-Dichloropropane	ug/L	ND<0.32	ND<0.32	ND<0.32	ND<0.32	ND<0.32		
2-Butanone (MEK)	ug/L	ND<0.78	ND<0.78	ND<0.78	ND<0.78	ND<0.78		
2-Chloroethyl vinyl ether	ug/L	ND<0.23	ND<0.23	ND<0.23	ND<0.23	ND<0.23		
2-Chlorotoluene	ug/L	ND<0.33	ND<0.33	ND<0.33	ND<0.33	ND<0.33		
4-Chlorotoluene	ug/L	ND<0.31	ND<0.31	ND<0.31	ND<0.31	ND<0.31		
4-Isopropyltoluene	ug/L	ND<0.32	88	ND<0.32	46	ND<0.32	NL	NL
4-Methyl-2-Pentanone	ug/L	ND<0.12	ND<0.12	ND<0.12	ND<0.12	ND<0.12		
Acetone	ug/L	ND<10	ND<10	ND<10	ND<10	ND<10		
Allyl chloride	ug/L	ND<0.19	ND<0.19	ND<0.19	ND<0.19	ND<0.19		
Benzene	ug/L	ND<0.18	**3.4**	ND<0.18	**3.7**	ND<0.18	0.41	46
Bromobenzene	ug/L	ND<0.53	ND<0.53	ND<0.53	ND<0.53	ND<0.53		
Bromochloromethane	ug/L	ND<0.17	ND<0.17	ND<0.17	ND<0.17	ND<0.17		
Bromodichloromethane	ug/L	ND<0.31	ND<0.31	ND<0.31	ND<0.31	ND<0.31		
Bromoform	ug/L	ND<0.13	ND<0.13	ND<0.13	ND<0.13	ND<0.13		
Bromomethane	ug/L	ND<0.68	ND<0.68	ND<0.68	ND<0.68	ND<0.68		
Carbon tetrachloride	ug/L	ND<0.27	ND<0.27	ND<0.27	ND<0.27	ND<0.27		
Chlorobenzene	ug/L	ND<0.19	ND<0.19	ND<0.19	ND<0.19	ND<0.19		
Chlorodibromomethane	ug/L	ND<0.21	ND<0.21	ND<0.21	ND<0.21	ND<0.21		
Chloroethane	ug/L	ND<0.45	ND<0.45	ND<0.45	ND<0.45	ND<0.45		
Chloroform	ug/L	ND<0.18	ND<0.18	ND<0.18	ND<0.18	ND<0.18		
Chloromethane	ug/L	ND<0.27	ND<0.27	ND<0.27	ND<0.27	ND<0.27		
cis-1,2-Dichloroethene	ug/L	ND<0.27	44	ND<0.27	ND<0.27	ND<0.27	370	590
cis-1,3-Dichloropropene	ug/L	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25		
cis-1,4-Dichloro-2-butene	ug/L	ND<0.17	ND<0.17	ND<0.17	ND<0.17	ND<0.17		
Dibromomethane	ug/L	ND<0.23	ND<0.23	ND<0.23	ND<0.23	ND<0.23		
Dichlorodifluoromethane	ug/L	ND<0.33	ND<0.33	ND<0.33	ND<0.33	ND<0.33		
Di-isopropyl ether(DIPE)	ug/L	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2		
Ethylbenzene	ug/L	ND<0.21	**22**	ND<0.21	**21**	ND<0.21	1.5	43
Ethyl-tertbutylether (ETBE)	ug/L	ND<0.23	ND<0.23	ND<0.23	ND<0.23	ND<0.23		
Hexachlorobutadiene	ug/L	ND<0.51	ND<0.51	ND<0.51	ND<0.51	ND<0.51		

Groundwater Sample Results
Pumpkin Patch
Pacific Coast Highway & Studebaker Road
Long Beach, California

Table 1A (Continued)
VOC Results

	Sample ID:	C-1W	C-3W	MW-1	B-1W	B-3W	*EPA Region 9 MCL's April 2009*	*Groundwater Screening Levels (groundwater is not a current or potential drinking water resource) November 2007*
	Sample Date:	1/16/12	1/16/12	1/16/12	1/17/12	1/17/12		
Analytical Method:		8260B	8260B	8260B	8260B	8260B		
Analyte	**Units**							
Isopropylbenzene	ug/L	ND<0.24	ND<0.24	ND<0.24	1.9J	ND<0.24	NL	NL
m and p-Xylene	ug/L	ND<0.45	35	ND<0.45	28	ND<0.45	1,400	NL
Methylene chloride	ug/L	ND<0.16	ND<0.16	ND<0.16	ND<0.16	ND<0.16		
Methyl-tert-butylether (MTBE)	ug/L	ND<0.19	ND<0.19	ND<0.19	ND<0.19	ND<0.19		
Napthalene	ug/L	ND<0.25	**180**	ND<0.25	**150**	ND<0.25	NL	24
n-Butylbenzene	ug/L	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25		
n-Propylbenzene	ug/L	ND<0.31	ND<0.31	ND<0.31	2.6J	ND<0.25		
o-Xylene	ug/L	ND<0.29	17	ND<0.29	19	ND<0.31	1,400	NL
sec-Butylbenzene	ug/L	ND<0.32	ND<0.32	ND<0.32	1.4J	ND<0.32	NL	NL
Styrene	ug/L	ND<0.22	ND<0.22	ND<0.22	ND<0.22	ND<0.22		
t-Butyl alcohol (TBA)	ug/L	ND<5.2	14	ND<5.2	24	ND<5.2	NL	18,000
Tert-amylmethylether	ug/L	ND<0.19	ND<0.19	ND<0.19	ND<0.19	ND<0.19		
tert-Butylbenzene	ug/L	ND<0.4	ND<0.4	ND<0.4	ND<0.4	ND<0.4		
Tetrachloroethene	ug/L	ND<0.8	ND<0.8	ND<0.8	ND<0.8	ND<0.8		
Toluene	ug/L	ND<0.24	**140**	ND<0.24	37	ND<0.24	2,300	130
trans-1,2-Dichloroethene	ug/L	ND<0.33	ND<0.33	ND<0.33	ND<0.33	ND<0.33		
trans-1,3-Dichloropropene	ug/L	ND<0.23	ND<0.23	ND<0.23	ND<0.23	ND<0.23		
trans-1,4-Dichloro-2-butene	ug/L	ND<0.17	ND<0.17	ND<0.17	ND<0.17	ND<0.17		
Trichloroethene	ug/L	ND<0.39	ND<0.39	ND<0.39	ND<0.39	ND<0.39		
Trichlorofluoromethane	ug/L	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25		
Vinyl chloride	ug/L	ND<0.18	ND<0.18	ND<0.25	ND<0.18	ND<0.18		
Xylenes, total	ug/L	ND<0.45	52	ND<0.38	47	ND<0.45	200	100

Soil Sample Results
Pumpkin Patch
Pacific Coast Highway & Studebaker Road
Long Beach, California

Table 2
TPH Gasoline Results

	Sample ID:	B-1-5'	B-1-20'	B-1-38'	B-2-5'	B-2-10'	B-2-20'	B-2-25'	B-2-30'	B-3-5'	B-3-15'	B-3-20'	B-3-30'	B-4-5'	B-4-10'	B-4-15'	B-4-20'	*EPA Region 9 PRG's April 2009*	*Deep Soil Screening Levels Residential Land Use (groundwater is not a current or potential drinking water source) November 2007*	*Import Fill Chemical Acceptance Criteria (Interim/Source Removal Action at Pier West/Area 2)*
	Sample Date:	1/17/12	1/17/12	1/17/12	1/17/12	1/17/12	1/17/12	1/17/12	1/17/12	1/17/12	1/17/12	1/17/12	1/17/12	1/17/12	1/17/12	1/17/12	1/17/12			
	Analytical Method:	8015B	8015B	8015B	8015B	8015B	8015B	8015B	8015B	8015B	8015B	8015B	8015B	8015B	8015B	8015B	8015B			
TPH (C6 to C10)	mg/Kg	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	100	NL	100
TPH (C10 to C22)	mg/Kg	**14000**	ND<0.4	ND<0.4	ND<0.4	ND<0.4	ND<0.4	ND<0.4	ND<0.4	ND<0.4	ND<0.4	ND<0.4	ND<0.4	ND<0.4	ND<0.4	ND<0.4	ND<0.4	1,000	NL	100
TPH (C22 to C36)	mg/Kg	ND<2.1	467	ND<2.1	ND<2.1	13.0	ND<2.1	ND<2.1	ND<2.1	942	ND<2.1	ND<2.1	ND<2.1	ND<2.1	ND<2.1	ND<2.1	ND<2.1	10,000	NL	1,000

NL – Not Listed
NA – Not Analyzed
ND – Not Detected

Groundwater Sample Results
Pumpkin Patch
Pacific Coast Highway & Studebaker Road
Long Beach, California

Table 2A
TPH-Gasoline Results

	Sample ID:	C-1W	C-3W	MW-1	B-1W	B-3W	*EPA Region 9 MCL's April 2009*	*Groundwater Screening Levels (groundwater is not a current or potential drinking water resource) November 2007*
	Sample Date:	1/16/12	1/16/12	1/16/12	1/17/12	1/17/12		
Analytical Method:		8015B	8015B	8015B	8015B	8015B		
TPH Gasoline	ug/L	59.9	1600	ND<6.6	NA	NA		210
TPH (C6 to C10)	mg/L	NA	NA	NA	ND<0.06	NA		0.21
TPH (C10 to C22)	mg/L	NA	NA	NA	1.0J	NA		0.21
TPH (C22 to C36)	mg/L	NA	NA	NA	2.00	NA		0.21

Soil Sample Results
Pumpkin Patch
Pacific Coast Highway & Studebaker Road
Long Beach, California

Table 3
PCB Results

	Sample ID:	B-1-5'	B-1-20'	B-1-38'	B-2-5'	B-2-10'	B-2-20'	B-2-25'	B-2-30'	B-3-5'	B-3-15'	B-3-20'	B-3-30'	B-4-5'	B-4-10'	B-4-15'	B-4-20'	*EPA Region 9 PRG's April 2009*	*Deep Soil Screening Levels Residential Land Use (groundwater is not a current or potential drinking water source) November 2007*	*Import Fill Chemical Acceptance Criteria (Interim/Source Removal Action at Pier West/Area 2)*
	Sample Date:	1/17/12	1/17/12	1/17/12	1/17/12	1/17/12	1/17/12	1/17/12	1/17/12	1/17/12	1/17/12	1/17/12	1/17/12	1/17/12	1/17/12	1/17/12	1/17/12			
	Analytical Method:	8082	8082	8082	8082	8082	8082	8082	8082	8082	8082	8082	8082	8082	8082	8082	8082			
PCB 1016	mg/Kg	ND<0.018	ND<0.018	ND<0.018	NA	NA	ND<0.018	NA	NA	NA	NA	ND<0.018	NA	NA	NA	NA	ND<0.018	3.9	6.3	0.05
PCB 1221	mg/Kg	ND<0.014	ND<0.014	ND<0.014	NA	NA	ND<0.014	NA	NA	NA	NA	ND<0.014	NA	NA	NA	NA	ND<0.014	0.17	6.3	0.05
PCB 1232	mg/Kg	ND<0.018	ND<0.018	ND<0.018	NA	NA	ND<0.018	NA	NA	NA	NA	ND<0.018	NA	NA	NA	NA	ND<0.018	0.17	6.3	0.05
PCB 1242	mg/Kg	ND<0.007	ND<0.007	ND<0.007	NA	NA	ND<0.007	NA	NA	NA	NA	ND<0.007	NA	NA	NA	NA	ND<0.007	0.22	6.3	0.05
PCB 1248	mg/Kg	ND<0.006	ND<0.006	ND<0.006	NA	NA	ND<0.006	NA	NA	NA	NA	ND<0.006	NA	NA	NA	NA	ND<0.006	0.22	6.3	0.05
PCB 1254	mg/Kg	3.7	0.84	ND<0.01	NA	NA	ND<0.01	NA	NA	NA	NA	ND<0.01	NA	NA	NA	NA	ND<0.01	0.22	6.3	0.05
PCB 1260	mg/Kg	ND<0.018	ND<0.018	ND<0.018	NA	NA	ND<0.018	NA	NA	NA	NA	ND<0.018	NA	NA	NA	NA	ND<0.018	0.22	6.3	0.05
PCB 1262	mg/Kg	ND<0.02	ND<0.02	ND<0.02	NA	NA	ND<0.02	NA	NA	NA	NA	ND<0.02	NA	NA	NA	NA	ND<0.02	NL	6.3	0.05
PCB 1268	mg/Kg	ND<0.011	ND<0.011	ND<0.011	NA	NA	ND<0.011	NA	NA	NA	NA	ND<0.011	NA	NA	NA	NA	ND<0.011	NL	6.3	0.05

NL – Not Listed
NA – Not Analyzed
ND – Not Detected

Groundwater Sample Results
Pumpkin Patch
Pacific Coast Highway & Studebaker Road
Long Beach, California

Table 3A
PCB Results

	Sample ID:	C-1W	C-3W	MW-1	B-1W	B-3W	*EPA Region 9 MCL's April 2009*	*Groundwater Screening Levels (groundwater is not a current or potential drinking water resource) November 2007*
	Sample Date:	1/16/12	1/16/12	1/16/12	1/17/12	1/17/12		
Analytical Method:		8082	8082	8082	8082	8082		
PCB 1221	ug/L	ND<0.24	ND<0.48	ND<0.24	ND<0.24	NA		
PCB 1016	ug/L	ND<0.13	ND<0.26	ND<0.13	ND<0.13	NA		
PCB 1232	ug/L	ND<0.12	ND<0.24	ND<0.12	ND<0.12	NA		
PCB 1242	ug/L	ND<0.071	6.8	ND<0.071	ND<0.071	NA		
PCB 1248	ug/L	ND<0.12	ND<0.24	ND<0.12	ND<0.12	NA		
PCB 1254	ug/L	ND<0.084	ND<0.168	ND<0.084	ND<0.084	NA		
PCB 1260	ug/L	ND<0.082	ND<0.164	ND<0.082	ND<0.082	NA		
PCB 1262	ug/L	ND<0.083	ND<0.166	ND<0.083	ND<0.083	NA		
PCB 1268	ug/L	ND<0.039	ND<0.078	ND<0.039	ND<0.039	NA		

Soil Sample Results
Pumpkin Patch
Pacific Coast Highway & Studebaker Road
Long Beach, California

Table 4
Mercury Results

	Sample ID:	B-1-5'	B-1-20'	B-1-38'	B-2-5'	B-2-10'	B-2-20'	B-2-25'	B-2-30'	B-3-5'	B-3-15'	B-3-20'	B-3-30'	B-4-5'	B-4-10'	B-4-15'	B-4-20'	*EPA Region 9 PRG's April 2009*	*Deep Soil Screening Levels Residential Land Use (groundwater is not a current or potential drinking water source) November 2007*	*Import Fill Chemical Acceptance Criteria (Interim/Source Removal Action at Pier West/Area 2)*
	Sample Date:	1/17/12	1/17/12	1/17/12	1/17/12	1/17/12	1/17/12	1/17/12	1/17/12	1/17/12	1/17/12	1/17/12	1/17/12	1/17/12	1/17/12	1/17/12	1/17/12			
Analytical Method:		7471A	7471A	7471A	7471A	7471A	7471A	7471A	7471A	7471A	7471A	7471A	7471A	7471A	7471A	7471A	7471A			
Mercury	mg/Kg	ND<0.02	0.39	ND<0.02		ND<0.02	ND<0.02			ND<0.02	ND<0.02			ND<0.02			ND<0.02	4.3	58	

NL – Not Listed
NA – Not Analyzed
ND – Not Detected

Groundwater Sample Results
Pumpkin Patch
Pacific Coast Highway & Studebaker Road
Long Beach, California

Table 4A
Mercury Results

	Sample ID:	C-1W	C-3W	MW-1	B-1W	B-3W	*EPA Region 9 MCL's April 2009*	*Groundwater Screening Levels (groundwater is not a current or potential drinking water resource) November 2007*
	Sample Date:	1/16/12	1/16/12	1/16/12	1/17/12	1/17/12		
Analytical Method:		7470A	7470A	7470A	7470A	7470A		
Mercury	ug/L	**2.60**	**6.40**	ND<0.05	**3.00**	NA	2.0	0.025

Soil Sample Results
Pumpkin Patch
Pacific Coast Highway & Studebaker Road
Long Beach, California

Table 5
Metal Results

	Sample ID:	B-1-5'	B-1-20'	B-1-38'	B-2-5'	B-2-10'	B-2-20'	B-2-25'	B-2-30'	B-3-5'	B-3-15'	B-3-20'	B-3-30'	B-4-5'	B-4-10'	B-4-15'	B-4-20'	*EPA Region 9 PRG's April 2009*	*Deep Soil Screening Levels Residential Land Use (groundwater is not a current or potential drinking water source) November 2007*	*Import Fill Chemical Acceptance Criteria (Interim/Source Removal Action at Pier West/Area 2)*
	Sample Date:	1/17/12	1/17/12	1/17/12	1/17/12	1/17/12	1/17/12	1/17/12	1/17/12	1/17/12	1/17/12	1/17/12	1/17/12	1/17/12	1/17/12	1/17/12	1/17/12			
	Analytical Method:	6010B	6010B	6010B	6010B	6010B	6010B	6010B	6010B	6010B	6010B	6010B	6010B	6010B	6010B	6010B	6010B			
Antimony	mg/Kg	0.5J	0.8J	ND<0.37	NA	ND<0.37	ND<0.37	NA	NA	ND<0.37	ND<0.37	NA	NA	ND<0.37	NA	NA	ND<0.37	31	310	150
Arsenic	mg/Kg	**2.40**	**4.64**	**0.9J**	NA	**1.15**	**3.84**	NA	NA	**5.60**	**4.80**	NA	NA	**3.60**	NA	NA	**6.54**	0.39	15	12
Barium	mg/Kg	75.6	114	25.6	NA	85.7	42.9	NA	NA	110	89.7	NA	NA	120	NA	NA	87.7	15000	2,500	1,000
Beryllium	mg/Kg	0.4J	ND<0.5	0.3J	NA	0.7	0.4J	NA	NA	0.5J	0.6	NA	NA	0.8	NA	NA	0.8	160	98	3.2
Cadmium	mg/Kg	1.76	0.7	ND<0.21	NA	0.3J	0.8	NA	NA	0.3J	0.4J	NA	NA	0.5	NA	NA	0.3J	70	39	4.1
Chromium	mg/Kg	34.4	32.5	7.68	NA	19.9	13.5	NA	NA	14.7	18.7	NA	NA	24.6	NA	NA	20.3	280	2,500	50
Cobalt	mg/Kg	6.34	2.76	5.04	NA	10.5	5.98	NA	NA	7.91	11.6	NA	NA	12.2	NA	NA	10.1	23	94	600
Copper	mg/Kg	49.1	25.0	4.04	NA	11.3	8.49	NA	NA	16.0	16.7	NA	NA	18.7	NA	NA	13.6	3100	2,500	94
Lead	mg/Kg	**75.5**	**426**	2.89	5.78	5.26	6.04	8.83	7.97	13.2	5.93	6.44	5.63	8.21	8.10	NA	5.75	400	750	50
Molybdenum	mg/Kg	2.30	1.92	0.4J	NA	0.5J	1.85	NA	NA	0.8J	8.90	NA	NA	0.3J	NA	NA	2.95	390	2,500	390
Nickel	mg/Kg	10.4	12.5	5.51	NA	13.9	8.25	NA	NA	15.5	16.9	NA	NA	17.0	NA	NA	14.1		260	50.8
Selenium	mg/Kg	ND<0.72	ND<0.72	ND<0.72	NA	ND<0.72	ND<0.72	NA	NA	ND<0.72	ND<0.72	NA	NA	ND<0.72	NA	NA	ND<0.72	390	2,500	2.41
Silver	mg/Kg	0.2J	0.2J	0.1J	NA	ND<0.13	ND<0.13	NA	NA	ND<0.13	0.2J	NA	NA	ND<0.13	NA	NA	ND<0.13	390	2,500	0.45
Thallium	mg/Kg	ND<0.42	ND<0.42	ND<0.42	NA	ND<0.42	ND<0.42	NA	NA	ND<0.42	ND<0.42	NA	NA	ND<0.42	NA	NA	ND<0.42		62	3.67
Vanadium	mg/Kg	24.4	7.23	14.9	NA	37.9	31.6	NA	NA	31.5	33.9	NA	NA	42.2	NA	NA	38.4	390	720	78
Zinc	mg/Kg	237	278	25.0	NA	55.4	30.0	NA	NA	47.0	46.4	NA	NA	59.5	NA	NA	56.8	23000	2,500	380

NL – Not Listed
NA – Not Analyzed
ND – Not Detected

Groundwater Sample Results
Pumpkin Patch
Pacific Coast Highway & Studebaker Road
Long Beach, California

Table 5A
Metal Results

	Sample ID:	C-1W	C-3W	MW-1	B-1W	B-3W	*EPA Region 9 MCL's April 2009*	*Groundwater Screening Levels (groundwater is not a current or potential drinking water resource) November 2007*
	Sample Date:	1/16/12	1/16/12	1/16/12	1/17/12	1/17/12		
	Analytical Method:	6010B	6010B	6010B	6010B	6010B		
Antimony	mg/L	**0.462**	**0.038**	**ND<0.016**	**0.512**	NA	0.006	
Arsenic	mg/L	**0.596**	**0.020**	**0.989**	**0.834**	NA	0.01	36
Barium	mg/L	**3.57**	0.080	**11.9**	**31.1**	NA	2	1,000
Beryllium	mg/L	ND<0.001	ND<0.001	**0.058**	**0.016J**	NA	0.004	0.53
Cadmium	mg/L	**0.125**	ND<0.001	**0.023J**	**0.061**	NA	0.005	0.25
Chromium	mg/L	**2.50**	0.003J	**2.24**	**0.772**	NA	0.1	180
Cobalt	mg/L	**0.247**	0.005J	**0.944**	**0.200**	NA	NL	3.0
Copper	mg/L	**2.07**	0.012	**5.08**	**2.75**	NA	1.3	3.1
Lead	mg/L	**18.2**	**0.011**	**0.536**	**9.55**	NA	0.015	2.5
Molybdenum	mg/L	**0.383**	0.058	**0.227**	0.147	NA	NL	240
Nickel	mg/L	**0.879**	**0.008J**	**1.55**	**0.462**	NA	NL	8.2
Selenium	mg/L	ND<0.004	ND<0.004	ND<0.004	ND<0.05	NA	0.05	5.0
Silver	mg/L	0.016J	0.002J	0.008J	0.020J	NA	NL	0.19
Thallium	mg/L	0.048	ND<0.003	ND<0.003	0.032	NA	NL	4.0
Vanadium	mg/L	0.150	ND<0.003	**3.441**	**0.404**	NA	NL	19
Zinc	mg/L	32.8	0.016J	**4.33**	55.7	NA	NL	81

Soil Sample Results
Pumpkin Patch
Pacific Coast Highway & Studebaker Road
Long Beach, California

Table 6
PNA Results

	Sample ID:	B-1-5'	B-1-20'	B-1-38'	B-2-5'	B-2-10'	B-2-20'	B-2-25'	B-2-30'	B-3-5'	B-3-15'	B-3-20'	B-3-30'	B-4-5'	B-4-10'	B-4-15'	B-4-20'	*EPA Region 9 PRG's April 2009*	*Deep Soil Screening Levels Residential Land Use (groundwater is not a current or potential drinking water source) November 2007*	*Import Fill Chemical Acceptance Criteria (Interim/Source Removal Action at Pier West/Area 2)*
	Sample Date:	1/17/12	1/17/12	1/17/12	1/17/12	1/17/12	1/17/12	1/17/12	1/17/12	1/17/12	1/17/12	1/17/12	1/17/12	1/17/12	1/17/12	1/17/12	1/17/12			
Analytical Method:		8310	8310	8310	8310	8310	8310	8310	8310	8310	8310	8310	8310	8310	8310	8310	8310			
Naphthalene	mg/Kg	160	ND<0.28	ND<0.28	NA	ND<0.5	ND<0.5	NA	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NA	NA	NA	NA	3.9	4.8	0.02
Acenaphthylene	mg/Kg	ND<0.088	ND<0.088	ND<0.088	NA	ND<0.5	ND<0.5	NA	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NA	NA	NA	NA		13	0.1
Acenaphthene	mg/Kg	160	ND<0.04	ND<0.04	NA	ND<0.5	ND<0.5	NA	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NA	NA	NA	NA	3,400	19	0.1
Fluorene	mg/Kg	220	ND<0.008	ND<0.008	NA	ND<0.15	ND<0.15	NA	ND<0.15	ND<0.15	ND<0.15	ND<0.15	ND<0.15	NA	NA	NA	NA	2,300	8.9	0.02
Phenanthrene	mg/Kg	660	ND<0.005	ND<0.005	NA	ND<0.1	ND<0.1	NA	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	NA	NA	NA	NA		11	0.02
Anthracene	mg/Kg	79	ND<0.003	ND<0.003	NA	ND<0.05	ND<0.05	NA	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05	NA	NA	NA	NA	17,000	2.8	0.2
Fluoranthene	mg/Kg	220	ND<0.004	ND<0.004	NA	ND<0.05	ND<0.05	NA	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05	NA	NA	NA	NA	2,300	60	0.02
Pyrene	mg/Kg	310	0.40	ND<0.003	NA	ND<0.05	ND<0.05	NA	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05	NA	NA	NA	NA	1,700	85	
Benz(a)anthracene	mg/Kg	23	ND<0.002	ND<0.002	NA	ND<0.05	ND<0.05	NA	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05	NA	NA	NA	NA	0.15	12	0.02
Chrysene	mg/Kg	36	ND<0.002	ND<0.002	NA	ND<0.05	ND<0.05	NA	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05	NA	NA	NA	NA	15	23	0.02
Benzo(b)fluoranthene	mg/Kg	ND<0.003	ND<0.003	ND<0.003	NA	ND<0.05	ND<0.05	NA	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05	NA	NA	NA	NA	0.15	15	0.02
Benzo(k)fluoranthene	mg/Kg	ND<0.005	ND<0.005	ND<0.005	NA	ND<0.05	ND<0.05	NA	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05	NA	NA	NA	NA	1.5	15	0.02
Benzo(a)pyrene	mg/Kg	ND<0.005	ND<0.005	ND<0.005	NA	ND<0.05	ND<0.05	NA	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05	NA	NA	NA	NA	0.015	15	0.02
Dibenz(a,h)anthracene	mg/Kg	ND<0.003	ND<0.003	ND<0.003	NA	ND<0.05	ND<0.05	NA	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05	NA	NA	NA	NA			0.02
Benzo(g,h,i)perylene	mg/Kg	ND<0.004	ND<0.004	ND<0.004	NA	ND<0.05	ND<0.05	NA	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05	NA	NA	NA	NA			0.02
Indeno(1,2,3-cd)pyrene	mg/Kg	ND<0.003	ND<0.003	ND<0.003	NA	ND<0.05	ND<0.05	NA	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05	NA	NA	NA	NA			

NL – Not Listed
NA – Not Analyzed
ND – Not Detected

Groundwater Sample Results
Pumpkin Patch
Pacific Coast Highway & Studebaker Road
Long Beach, California

Table 6A
PNA Results

	Sample ID:	C-1W	C-3W	MW-1	B-1W	B-3W	*EPA Region 9 MCL's April 2009*	*Groundwater Screening Levels (groundwater is not a current or potential drinking water resource) November 2007*
	Sample Date:	1/16/12	1/16/12	1/16/12	1/17/12	1/17/12		
Analytical Method:		8310	8310	8310	8310	8310		
Naphthalene	ug/L	ND	28	ND	33	NA	0.14	24
Acenaphthylene	ug/L	ND	ND	ND	ND<3.2	NA		
Acenaphthene	ug/L	ND	ND	ND	ND<1.9	NA	2,200	23
Fluorene	ug/L	ND	ND	ND	ND<0.3	NA	1,500	3.9
Phenanthrene	ug/L	ND	1.4	ND	0.70	NA	NL	4.6
Anthracene	ug/L	ND	ND	ND	ND<0.1	NA		
Fluoranthene	ug/L	ND	ND	ND	ND<0.2	NA		
Pyrene	ug/L	ND	ND	ND	ND<0.1	NA		
Benz(a)anthrancene	ug/L	ND	ND	ND	ND<0.1	NA		
Chrysene	ug/L	ND	1.3	ND	ND<0.1	NA	2.9	0.35
Benzo(b)fluoranthene	ug/L	ND	ND	ND	ND<0.1	NA		
Benzo(k)fluoranthene	ug/L	ND	ND	ND	ND<0.1	NA		
Benzo(a)pyrene	ug/L	ND	ND	ND	ND<0.1	NA		
Dibenz(a,h)anthracene	ug/L	ND	ND	ND	ND<0.2	NA		
Benzo(g,h,i)perylene	ug/L	ND	ND	ND	ND<0.2	NA		
Indeno(1,2,3-cd)pyrene	ug/L	ND	ND	ND	ND<0.1	NA		

Appendix C

BORING LOGS

WELL CONSTRUCTION	PID	BLOW COUNT	DEPTH (FEET)	SAMPLE INTERVAL	SAMPLE NUMBER	USCS DESIGN	SOIL DESCRIPTION
			1			Wood Debris	
		28	5				Silt(ML): Tan, stain black, compact, clayey in part, moderately moist, wood debris in sample, strong crude oil odor.
		26					
						Wood Debris	
			10	N			No recovery at 10'. Lots of wood debris, plastic syringe, crude oil odor.
				R		Debris	Re-sample at 12' bgs. No recovery.
			15	N		Paper Waste	Sample at 15' bgs. No recovery, no soil, paper waste and wood, degrading organics odor.
				R			
		50	20				Sand(SP): Stained black, very dense, loosely consolidated, some pebbles, medium to coarse grained, very moist, degrading organics odor.
			25			Debris	
			30				End of debris at 33' bgs.
		50	35				Sand(SP): Gray-black, moderately dense, unconsolidated, fine to medium grained, very moist to saturated, crude oil odor.
		30					
		36					
		26					Clay(CL):Gray, moderately compact, plastic, silty in part, moist, crude oil odor.
		35					
		30	40				Backfill with bentonite grout to grade.

AEC

Advanced Environmental Concepts, Inc.
220 E. Truxtun Ave., Bakersfield, CA 93305

WELL/BORING LOG

PROJECT Pumpkin Patch Location PCH & Studebaker, Long Beach, Ca

Well/Boring No. B-1 Surface Elevation Wellhead Elevation
Date Drilled 1/17/2012 Logged By Jonathan Buck Reviewed By Jonathan Buck
Drilling Company J&H Drilling Driller Victor Method H S A
Bore Hole Diameter 8" Total Depth 38ft Depth to Water 21.5' Static
Casing Type NA Diameter Schedule Interval To
Screen Type NA Diameter Slot Size Interval To
Filter Pack Type NA Interval To
Seal Type Interval To
Surface Seal Type Interval To
Notes

WELL CONSTRUCTION	PID	BLOW COUNT	DEPTH (feet)	SAMPLE INTERVAL	SAMPLE NUMBER	USCS DESIGN	SOIL DESCRIPTION
			1				
		7	5				Silt(SM): Tan, dark gray, moderately compact, dense, loosely consolidated, sand, moderately moist, slight crude oil odor.
		9					
		12	10				Sand(SM): Gray-dark gray, moderately dense, compact, fine grained, silty in part, moderately moist, small amount of wood debris.
		15					
							Start of newspaper debris and wood.
		50/6	15				
							No recovery-Wood(2'x24") in sample.
		35					
		15	20				Silt(ML): Gray, moderately compact, malleable, clayey in part with smaller volume, very fine sand, saturated, landfill odor.
		18					
			25				Silt(ML): Gray, moderately compact, silty, slightly moist, malleable, clayey in part, slight landfill odor.
			30				Sand(SM): Gray-dark gray, moderately dense, loosely consolidated, fine grained, silty in part, slightly moist, no landfill odor or crude oil odor.
			35				
			40				

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220 E. Truxtun Ave., Bakersfield, CA 93305

WELL/BORING LOG

PROJECT Pumpkin Patch Location PCH & Studabaker, Long Beach, Ca

Well/Boring No. B-2 Surface Elevation Wellhead Elevation
Date Drilled 1/17/2012 Logged By Jonathan Buck Reviewed By Jonathan Buck
Drilling Company J&H Drilling Driller Victor Method H S A
Bore Hole Diameter 8" Total Depth 30ft Depth to Water 21' Static
Casing Type NA Diameter Schedule Interval To
Screen Type NA Diameter Slot Size Interval To
Filter Pack Type NA Interval To
Seal Type Interval To
Surface Seal Type Interval To
Notes

WELL CONSTRUCTION	PID	BLOW COUNT	DEPTH (FEET)	SAMPLE INTERVAL	SAMPLE NUMBER	USCS DESIGN	SOIL DESCRIPTION
			1				
		13					
		13	5				Fill: Brown, dense, unconsolidated, silt, compact, no hydrocarbon stain or odor, no landfill odor.
		16					
			10	N		Concrete Debris	
				R			
		36					
		15	15				Sand(SM): Tan-brown, moderately dense, loosely consolidated, fine-grained, some oxidation, moderately moist, no hydrocarbon or landfill stain or odor.
		16					
			20				Silt(SM):Gray, moderately dense, compact, silty, sandy in part, very moist, no hydrocarbon or landfill stain or odor.
			25	N			
				S			
		42					
		25	30				Sand(SM): Gray, very dense, moderately compact, stiff, silty in part, slightly moist, no apparent hydrocarbon or landfill stain, or odor.
		28					
			35				
			40				

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220 E. Truxtun Ave., Bakersfield, CA 93305

WELL/BORING LOG

PROJECT Pumpkin Patch Location PCH & Studebaker, Long Beach, Ca

Well/Boring No. B-3 Surface Elevation Wellhead Elevation
Date Drilled 1/17/2012 Logged By Jonathan Buck Reviewed By Jonathan Buck
Drilling Company J&H Drilling Driller Victor Method H S A
Bore Hole Diameter 8" Total Depth 30ft Depth to Water 20.5' Static
Casing Type NA Diameter Schedule Interval To
Screen Type NA Diameter Slot Size Interval To
Filter Pack Type NA Interval To
Seal Type Interval To
Surface Seal Type Interval To
Notes

WELL CONSTRUCTION	PID	BLOW COUNT	DEPTH (FEET)	SAMPLE INTERVAL	SAMPLE NUMBER	USCS DESIGN	SOIL DESCRIPTION
			1			Fill	
		19					
		23	5				Silt(ML): Tan-brown, moderately, dense, compact, clayey, slightly moist, no apparent hydrocarbon or landfill stain or odor.
		30					
		10					
		10	10				Sand(SM): Tan-gray, slightly dense, loosely consolidated, fine-grained, silty in part, slightly to moderately moist, no apparent hydrocarbon or landfill stain or odor.
		11					
		15					
		16	15				Sand(SM): Gray, slightly dense, loosely consolidated, fine-grained, silty in part, moderately moist, no apparent hydrocarbon or landfill stain or odor.
		16					
		18					
		16	20				Silt(ML) Gray, moderately compact, stiff, sandy-clayey in part, very moist, no apparent hydrocarbon or landfill stain or odor.
		14					
			25				
			30				
			35				
			40				

AEC *Advanced Environmental Concepts, Inc.*
220 E. Truxtun Ave., Bakersfield, CA 93305

WELL/BORING LOG

PROJECT Pumpkin Patch Location PCH & Studabaker, Long Beach, Ca

Well/Boring No. B-4 Surface Elevation Wellhead Elevation
Date Drilled 1/17/2012 Logged By Jonathan Buck Reviewed By Jonathan Buck
Drilling Company J&H Drilling Driller Victor Method H S A
Bore Hole Diameter 8" Total Depth 22.5ft Depth to Water 20.5' Static
Casing Type NA Diameter Schedule Interval To
Screen Type NA Diameter Slot Size Interval To
Filter Pack Type NA Interval To
Seal Type Interval To
Surface Seal Type Interval To
Notes

Appendix D

ANALYTICAL RESULTS

Associated Laboratories
806 N. Batavia - Orange, CA 92868
Tel (714)771-6900 Fax (714)538-1209
www.associatedlabs.com
info@associatedlabs.com

JAN 20 2012

ACCREDITED IN ACCORDANCE WITH nelac

Client:	Advanced Environmental Concepts Inc.	Lab Request:	297801
Address:	220 E. Truxtun Ave.	Report Date:	01/25/2012
	Bakersfield, CA 93305	Date Received:	01/16/2012
Attn:	Jonathan Buck	Client ID:	10022

Comments: Pumpkin Patch
PCH/Studebaker, Long Beach

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods indicated on the attached report and all NELAC criteria. This cover letter is an integral part of the final report.

Sample #	Client Sample ID
297801-001	C-1W
297801-002	C-3W
297801-003	MW-1

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Lab Director

NOTE: Unless notified in writing , all samples will be discarded by appropriate disposal protocol 45 days from date reported.

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TESTING & CONSULTING
Chemical
Microbiological
Environmental

Sample #:	297801-001	Client:	Advanced Environmental Concepts Inc.
Matrix:	Water	Client Sample #:	C-1W
Collect Date:	01/16/12	Site:	
Collect Time:		Collector:	Client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Method: EPA 6010B	**Prep Method:**				**QCBatchID:**	QC1122467	
Antimony	0.462	5	0.016	0.1	mg/L	01/18/12	nina
Arsenic	0.596	5	0.004	0.05	mg/L	01/18/12	nina
Barium	3.57	5	0.001	0.05	mg/L	01/18/12	nina
Beryllium	ND	5	0.001	0.025	mg/L	01/18/12	nina
Cadmium	0.125	5	0.001	0.025	mg/L	01/18/12	nina
Chromium	2.50	5	0.002	0.05	mg/L	01/18/12	nina
Cobalt	0.247	5	0.001	0.025	mg/L	01/18/12	nina
Copper	2.07	5	0.001	0.05	mg/L	01/18/12	nina
Lead	18.2	5	0.004	0.025	mg/L	01/18/12	nina
Molybdenum	0.303	5	0.002	0.05	mg/L	01/18/12	nina
Nickel	0.879	5	0.001	0.1	mg/L	01/18/12	nina
Selenium	ND	5	0.004	0.05	mg/L	01/18/12	nina
Silver	0.016J	5	0.001	0.025	mg/L	01/18/12	nina
Thallium	0.048	5	0.003	0.025	mg/L	01/18/12	nina
Vanadium	0.150	5	0.003	0.025	mg/L	01/18/12	nina
Zinc	32.8	5	0.002	0.1	mg/L	01/18/12	nina
Method: EPA 7470A	**Prep Method:**				**QCBatchID:**	QC1122434	
Mercury	2.60	4	0.2	1.6	ug/L	01/17/12	metha
Method: EPA 8015B	**Prep Method:**	EPA 5030B			**QCBatchID:**	QC1122471	
TPH Gasoline	59.9	1	6.6	50	ug/L	01/17/12	lyt

Surrogates for Method EPA 8015B By Prep MethodEPA 5030B

Analytes	Percent Recovery	Control Limits
4-Bromofluorobenzene (SUR)	102	60-140

Method: EPA 8082	**Prep Method:**	EPA 3510C			**QCBatchID:**	QC1122555	
PCB-1221	ND	2	0.24	0.5	ug/L	01/19/12	andrewk
PCB-1016	ND	2	0.13	0.5	ug/L	01/19/12	andrewk
PCB-1232	ND	2	0.12	0.5	ug/L	01/19/12	andrewk
PCB-1242	ND	2	0.071	0.5	ug/L	01/19/12	andrewk
PCB-1248	ND	2	0.12	0.5	ug/L	01/19/12	andrewk
PCB-1254	ND	2	0.084	0.5	ug/L	01/19/12	andrewk
PCB-1260	ND	2	0.082	0.5	ug/L	01/19/12	andrewk
PCB-1262	ND	2	0.083	0.5	ug/L	01/19/12	andrewk
PCB-1268	ND	2	0.039	0.5	ug/L	01/19/12	andrewk

Surrogates for Method EPA 8082 By Prep MethodEPA 3510C

Analytes	Percent Recovery	Control Limits
Decachlorobiphenyl DCB (SUR)	61	23-160

Method: EPA 8260B	**Prep Method:**	EPA 5030B			**QCBatchID:**	QC1122504	
1,1,1,2-Tetrachloroethane	ND	1	0.25	5	ug/L	01/17/12	ryanp
1,1,1-Trichloroethane	ND	1	0.38	5	ug/L	01/17/12	ryanp
1,1,2,2-Tetrachloroethane	ND	1	0.25	5	ug/L	01/17/12	ryanp
1,1,2-Trichloroethane	ND	1	0.25	5	ug/L	01/17/12	ryanp
1,1,2-Trichlorotrifluoroethane	ND	1	0.29	5	ug/L	01/17/12	ryanp
1,1-Dichloroethane	ND	1	0.32	5	ug/L	01/17/12	ryanp
1,1-Dichloroethene	ND	1	0.3	5	ug/L	01/17/12	ryanp
1,1-Dichloropropene	ND	1	0.25	5	ug/L	01/17/12	ryanp

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

Sample #:	297801-001	Client:	Advanced Environmental Concepts Inc.
Matrix:	Water	Client Sample #:	C-1W
Collect Date:	01/16/12	Site:	
Collect Time:		Collector:	Client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
1,2,3-Trichlorobenzene	ND	1	0.28	5	ug/L	01/17/12	ryanp
1,2,3-Trichloropropane	ND	1	0.16	5	ug/L	01/17/12	ryanp
1,2,4-Trichlorobenzene	ND	1	0.27	5	ug/L	01/17/12	ryanp
1,2,4-Trimethylbenzene	ND	1	0.26	5	ug/L	01/17/12	ryanp
1,2-Dibromo-3-chloropropane	ND	1	0.12	5	ug/L	01/17/12	ryanp
1,2-Dibromoethane	ND	1	0.19	5	ug/L	01/17/12	ryanp
1,2-Dichlorobenzene	ND	1	0.28	5	ug/L	01/17/12	ryanp
1,2-Dichloroethane	ND	1	0.2	5	ug/L	01/17/12	ryanp
1,2-Dichloropropane	ND	1	0.36	5	ug/L	01/17/12	ryanp
1,3,5-Trimethylbenzene	ND	1	0.24	5	ug/L	01/17/12	ryanp
1,3-Dichlorobenzene	ND	1	0.34	5	ug/L	01/17/12	ryanp
1,3-Dichloropropane	ND	1	0.19	5	ug/L	01/17/12	ryanp
1,4-Dichlorobenzene	ND	1	0.43	5	ug/L	01/17/12	ryanp
2,2-Dichloropropane	ND	1	0.32	5	ug/L	01/17/12	ryanp
2-Butanone (MEK)	ND	1	0.78	100	ug/L	01/17/12	ryanp
2-Chloroethyl Vinyl Ether	ND	1	0.23	5	ug/L	01/17/12	ryanp
2-Chlorotoluene	ND	1	0.33	5	ug/L	01/17/12	ryanp
4-Chlorotoluene	ND	1	0.31	5	ug/L	01/17/12	ryanp
4-Isopropyltoluene	ND	1	0.32	5	ug/L	01/17/12	ryanp
4-Methyl-2-pentanone (MIBK)	ND	1	0.12	5	ug/L	01/17/12	ryanp
Acetone	ND	1	10	100	ug/L	01/17/12	ryanp
Allyl Chloride	ND	1	0.19	5	ug/L	01/17/12	ryanp
Benzene	ND	1	0.16	1	ug/L	01/17/12	ryanp
Bromobenzene	ND	1	0.53	5	ug/L	01/17/12	ryanp
Bromochloromethane	ND	1	0.17	5	ug/L	01/17/12	ryanp
Bromodichloromethane	ND	1	0.31	5	ug/L	01/17/12	ryanp
Bromoform	ND	1	0.13	5	ug/L	01/17/12	ryanp
Bromomethane	ND	1	0.68	5	ug/L	01/17/12	ryanp
Carbon Tetrachloride	ND	1	0.27	5	ug/L	01/17/12	ryanp
Chlorobenzene	ND	1	0.19	5	ug/L	01/17/12	ryanp
Chlorodibromomethane	ND	1	0.21	5	ug/L	01/17/12	ryanp
Chloroethane	ND	1	0.45	5	ug/L	01/17/12	ryanp
Chloroform	ND	1	0.18	5	ug/L	01/17/12	ryanp
Chloromethane	ND	1	0.27	5	ug/L	01/17/12	ryanp
cis-1,2-Dichloroethene	ND	1	0.27	5	ug/L	01/17/12	ryanp
cis-1,3-dichloropropene	ND	1	0.25	5	ug/L	01/17/12	ryanp
cis-1,4-dichloro-2-butene	ND	1	0.17	5	ug/L	01/17/12	ryanp
Dibromomethane	ND	1	0.23	5	ug/L	01/17/12	ryanp
Dichlorodifluoromethane	ND	1	0.33	5	ug/L	01/17/12	ryanp
Di-isopropyl ether (DIPE)	ND	1	0.2	1	ug/L	01/17/12	ryanp
Ethylbenzene	ND	1	0.21	5	ug/L	01/17/12	ryanp
Ethyl-tertbutylether (ETBE)	ND	1	0.23	1	ug/L	01/17/12	ryanp
Hexachlorobutadiene	ND	1	0.51	5	ug/L	01/17/12	ryanp
Isopropylbenzene	ND	1	0.24	5	ug/L	01/17/12	ryanp
m and p-Xylene	ND	1	0.45	5	ug/L	01/17/12	ryanp
Methylene chloride	ND	1	0.16	5	ug/L	01/17/12	ryanp
Methyl-t-butyl Ether (MTBE)	ND	1	0.19	1	ug/L	01/17/12	ryanp
Naphthalene	ND	1	0.25	5	ug/L	01/17/12	ryanp
N-butylbenzene	ND	1	0.25	5	ug/L	01/17/12	ryanp

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

Sample #:	297801-001	Client:	Advanced Environmental Concepts Inc.
Matrix:	Water	Client Sample #:	C-1W
Collect Date:	01/16/12	Site:	
Collect Time:		Collector:	Client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
N-propylbenzene	ND	1	0.31	5	ug/L	01/17/12	ryanp
o-Xylene	ND	1	0.29	5	ug/L	01/17/12	ryanp
Sec-butylbenzene	ND	1	0.32	5	ug/L	01/17/12	ryanp
Styrene	ND	1	0.22	5	ug/L	01/17/12	ryanp
t-Butyl alcohol (TBA)	110	1	5.2	10	ug/L	01/17/12	ryanp
Tert-amylmethylether (TAME)	ND	1	0.19	1	ug/L	01/17/12	ryanp
Tert-butylbenzene	ND	1	0.4	5	ug/L	01/17/12	ryanp
Tetrachloroethene	ND	1	0.8	5	ug/L	01/17/12	ryanp
Toluene	ND	1	0.24	5	ug/L	01/17/12	ryanp
trans-1,2-dichloroethene	ND	1	0.33	5	ug/L	01/17/12	ryanp
trans-1,3-dichloropropene	ND	1	0.23	5	ug/L	01/17/12	ryanp
trans-1,4-dichloro-2-butene	ND	1	0.17	5	ug/L	01/17/12	ryanp
Trichloroethene	ND	1	0.39	5	ug/L	01/17/12	ryanp
Trichlorofluoromethane	ND	1	0.25	5	ug/L	01/17/12	ryanp
Vinyl Chloride	ND	1	0.16	5	ug/L	01/17/12	ryanp
Xylenes (Total)	ND	1	0.45	5	ug/L	01/17/12	ryanp

Surrogates for Method EPA 8260B By Prep MethodEPA 5030B

Analytes	Percent Recovery	Control Limits
1,2-Dichloroethane-d4 (SUR)	125	70-145
4-Bromofluorobenzene (SUR)	106	70-145
Dibromodifluoromethane (SUR)	97	70-145
Toluene-d8 (SUR)	117	70-145

Method: EPA 8310 Prep Method: EPA 3510C QCBatchID: QC1122652

Naphthalene	ND	1	2.1	10	ug/L	01/23/12	qnguyen
Acenaphthylene	ND	1	3.2	15	ug/L	01/23/12	qnguyen
Acenaphthene	ND	1	1.9	10	ug/L	01/23/12	qnguyen
Fluorene	ND	1	0.3	1.5	ug/L	01/23/12	qnguyen
Phenanthrene	ND	1	0.1	0.5	ug/L	01/23/12	qnguyen
Anthracene	ND	1	0.1	0.5	ug/L	01/23/12	qnguyen
Fluoranthene	ND	1	0.2	1	ug/L	01/23/12	qnguyen
Pyrene	ND	1	0.1	0.5	ug/L	01/23/12	qnguyen
Benz(a)anthracene	ND	1	0.1	0.5	ug/L	01/23/12	qnguyen
Chrysene	ND	1	0.1	0.5	ug/L	01/23/12	qnguyen
Benzo(b)fluoranthene	ND	1	0.1	1	ug/L	01/23/12	qnguyen
Benzo(k)fluoranthene	ND	1	0.1	0.5	ug/L	01/23/12	qnguyen
Benzo(a)pyrene	ND	1	0.1	0.5	ug/L	01/23/12	qnguyen
Dibenz(a,h)anthracene	ND	1	0.2	1	ug/L	01/23/12	qnguyen
Benzo(g,h,i)perylene	ND	1	0.2	1	ug/L	01/23/12	qnguyen
Indeno(1,2,3-cd)pyrene	ND	1	0.1	0.5	ug/L	01/23/12	qnguyen

Surrogates for Method EPA 8310 By Prep MethodEPA 3510C

Analytes	Percent Recovery	Control Limits
p-Terphenyl (SUR)	112	50-135

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

Sample #:	297801-002	Client:	Advanced Environmental Concepts Inc.
Matrix:	Water	Client Sample #:	C-3W
Collect Date:	01/16/12	Site:	
Collect Time:		Collector:	Client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Method: EPA 6010B	**Prep Method:**				**QCBatchID: QC1122467**		
Antimony	0.038	1	0.016	0.02	mg/L	01/18/12	nina
Arsenic	0.020	1	0.004	0.01	mg/L	01/18/12	nina
Barium	0.080	1	0.001	0.01	mg/L	01/18/12	nina
Beryllium	ND	1	0.001	0.005	mg/L	01/18/12	nina
Cadmium	ND	1	0.001	0.005	mg/L	01/18/12	nina
Chromium	0.003J	1	0.002	0.01	mg/L	01/18/12	nina
Cobalt	0.005J	1	0.001	0.005	mg/L	01/18/12	nina
Copper	0.012	1	0.001	0.01	mg/L	01/18/12	nina
Lead	0.011	1	0.004	0.005	mg/L	01/18/12	nina
Molybdenum	0.058	1	0.002	0.01	mg/L	01/18/12	nina
Nickel	0.008J	1	0.001	0.02	mg/L	01/18/12	nina
Selenium	ND	1	0.004	0.01	mg/L	01/18/12	nina
Silver	0.002J	1	0.001	0.005	mg/L	01/18/12	nina
Thallium	ND	1	0.003	0.005	mg/L	01/18/12	nina
Vanadium	ND	1	0.003	0.005	mg/L	01/18/12	nina
Zinc	0.016J	1	0.002	0.02	mg/L	01/18/12	nina
Method: EPA 7470A	**Prep Method:**				**QCBatchID: QC1122434**		
Mercury	6.40	4	0.2	1.6	ug/L	01/17/12	metha
Method: EPA 8015B	**Prep Method: EPA 5030B**				**QCBatchID: QC1122471**		
TPH Gasoline	1600	20	132	1000	ug/L	01/17/12	lyt

Surrogates for Method EPA 8015B By Prep MethodEPA 5030B

Analytes	Percent Recovery	Control Limits
4-Bromofluorobenzene (SUR)	116	60-140

Method: EPA 8082	**Prep Method: EPA 3510C**				**QCBatchID: QC1122555**		
PCB-1221	ND	2	0.48	1	ug/L	01/20/12	andrewk
PCB-1016	ND	2	0.26	1	ug/L	01/20/12	andrewk
PCB-1232	ND	2	0.24	1	ug/L	01/20/12	andrewk
PCB-1242	6.8	2	0.142	1	ug/L	01/20/12	andrewk
PCB-1248	ND	2	0.24	1	ug/L	01/20/12	andrewk
PCB-1254	ND	2	0.168	1	ug/L	01/20/12	andrewk
PCB-1260	ND	2	0.164	1	ug/L	01/20/12	andrewk
PCB-1262	ND	2	0.166	1	ug/L	01/20/12	andrewk
PCB-1268	ND	2	0.078	1	ug/L	01/20/12	andrewk

Surrogates for Method EPA 8082 By Prep MethodEPA 3510C

Analytes	Percent Recovery	Control Limits
Decachlorobiphenyl DCB (SUR)	48	23-160

Method: EPA 8260B	**Prep Method: EPA 5030B**				**QCBatchID: QC1122524**		
1,1,1,2-Tetrachloroethane	ND	1	0.25	5	ug/L	01/19/12	ryanp
1,1,1-Trichloroethane	ND	1	0.38	5	ug/L	01/19/12	ryanp
1,1,2,2-Tetrachloroethane	ND	1	0.25	5	ug/L	01/19/12	ryanp
1,1,2-Trichloroethane	ND	1	0.25	5	ug/L	01/19/12	ryanp
1,1,2-Trichlorotrifluoroethane	ND	1	0.29	5	ug/L	01/19/12	ryanp
1,1-Dichloroethane	ND	1	0.32	5	ug/L	01/19/12	ryanp
1,1-Dichloroethene	ND	1	0.3	5	ug/L	01/19/12	ryanp
1,1-Dichloropropene	ND	1	0.25	5	ug/L	01/19/12	ryanp

ND = Not Deteced or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

Sample #:	297801-002	Client:	Advanced Environmental Concepts Inc.
Matrix:	Water	Client Sample #:	C-3W
Collect Date:	01/16/12	Site:	
Collect Time:		Collector:	Client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
1,2,3-Trichlorobenzene	ND	1	0.28	5	ug/L	01/19/12	ryanp
1,2,3-Trichloropropane	ND	1	0.16	5	ug/L	01/19/12	ryanp
1,2,4-Trichlorobenzene	ND	1	0.27	5	ug/L	01/19/12	ryanp
1,2,4-Trimethylbenzene	56	1	0.28	5	ug/L	01/19/12	ryanp
1,2-Dibromo-3-chloropropane	ND	1	0.12	5	ug/L	01/19/12	ryanp
1,2-Dibromoethane	ND	1	0.19	5	ug/L	01/19/12	ryanp
1,2-Dichlorobenzene	ND	1	0.26	5	ug/L	01/19/12	ryanp
1,2-Dichloroethane	ND	1	0.2	5	ug/L	01/19/12	ryanp
1,2-Dichloropropane	ND	1	0.36	5	ug/L	01/19/12	ryanp
1,3,5-Trimethylbenzene	ND	1	0.24	5	ug/L	01/19/12	ryanp
1,3-Dichlorobenzene	ND	1	0.34	5	ug/L	01/19/12	ryanp
1,3-Dichloropropane	ND	1	0.19	5	ug/L	01/19/12	ryanp
1,4-Dichlorobenzene	17	1	0.43	5	ug/L	01/19/12	ryanp
2,2-Dichloropropane	ND	1	0.32	5	ug/L	01/19/12	ryanp
2-Butanone (MEK)	ND	1	0.78	100	ug/L	01/19/12	ryanp
2-Chloroethyl Vinyl Ether	ND	1	0.23	5	ug/L	01/19/12	ryanp
2-Chlorotoluene	ND	1	0.33	5	ug/L	01/19/12	ryanp
4-Chlorotoluene	ND	1	0.31	5	ug/L	01/19/12	ryanp
4-Isopropyltoluene	88	1	0.32	5	ug/L	01/19/12	ryanp
4-Methyl-2-pentanone (MIBK)	ND	1	0.12	5	ug/L	01/19/12	ryanp
Acetone	ND	1	10	100	ug/L	01/19/12	ryanp
Allyl Chloride	ND	1	0.19	5	ug/L	01/19/12	ryanp
Benzene	3.4	1	0.18	1	ug/L	01/19/12	ryanp
Bromobenzene	ND	1	0.53	5	ug/L	01/19/12	ryanp
Bromochloromethane	ND	1	0.17	5	ug/L	01/19/12	ryanp
Bromodichloromethane	ND	1	0.31	5	ug/L	01/19/12	ryanp
Bromoform	ND	1	0.13	5	ug/L	01/19/12	ryanp
Bromomethane	ND	1	0.68	5	ug/L	01/19/12	ryanp
Carbon Tetrachloride	ND	1	0.27	5	ug/L	01/19/12	ryanp
Chlorobenzene	ND	1	0.19	5	ug/L	01/19/12	ryanp
Chlorodibromomethane	ND	1	0.21	5	ug/L	01/19/12	ryanp
Chloroethane	ND	1	0.45	5	ug/L	01/19/12	ryanp
Chloroform	ND	1	0.18	5	ug/L	01/19/12	ryanp
Chloromethane	ND	1	0.27	5	ug/L	01/19/12	ryanp
cis-1,2-Dichloroethene	44	1	0.27	5	ug/L	01/19/12	ryanp
cis-1,3-dichloropropene	ND	1	0.25	5	ug/L	01/19/12	ryanp
cis-1,4-dichloro-2-butene	ND	1	0.17	5	ug/L	01/19/12	ryanp
Dibromomethane	ND	1	0.23	5	ug/L	01/19/12	ryanp
Dichlorodifluoromethane	ND	1	0.33	5	ug/L	01/19/12	ryanp
Di-isopropyl ether (DIPE)	ND	1	0.2	1	ug/L	01/19/12	ryanp
Ethylbenzene	22	1	0.21	5	ug/L	01/19/12	ryanp
Ethyl-tertbutylether (ETBE)	ND	1	0.23	1	ug/L	01/19/12	ryanp
Hexachlorobutadiene	ND	1	0.51	5	ug/L	01/19/12	ryanp
Isopropylbenzene	ND	1	0.24	5	ug/L	01/19/12	ryanp
m and p-Xylene	35	1	0.45	5	ug/L	01/19/12	ryanp
Methylene chloride	ND	1	0.16	5	ug/L	01/19/12	ryanp
Methyl-t-butyl Ether (MTBE)	ND	1	0.19	1	ug/L	01/19/12	ryanp
Naphthalene	180	1	0.25	5	ug/L	01/19/12	ryanp
N-butylbenzene	9.3	1	0.25	5	ug/L	01/19/12	ryanp

ND = Not Detected or < MDL **MDL = Method Detection Limit** **RDL = Reporting Detection Limit** DF = Dilution Factor

Sample #:	297801-002	Client:	Advanced Environmental Concepts Inc.
Matrix:	Water	Client Sample #:	C-3W
Collect Date:	01/16/12	Site:	
Collect Time:		Collector:	Client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
N-propylbenzene	ND	1	0.31	5	ug/L	01/19/12	ryanp
o-Xylene	17	1	0.29	5	ug/L	01/19/12	ryanp
Sec-butylbenzene	ND	1	0.32	5	ug/L	01/19/12	ryanp
Styrene	ND	1	0.22	5	ug/L	01/19/12	ryanp
t-Butyl alcohol (TBA)	14	1	5.2	10	ug/L	01/19/12	ryanp
Tert-amylmethylether (TAME)	ND	1	0.19	1	ug/L	01/19/12	ryanp
Tert-butylbenzene	ND	1	0.4	5	ug/L	01/19/12	ryanp
Tetrachloroethene	ND	1	0.8	5	ug/L	01/19/12	ryanp
Toluene	140	1	0.24	5	ug/L	01/19/12	ryanp
trans-1,2-dichloroethene	ND	1	0.33	5	ug/L	01/19/12	ryanp
trans-1,3-dichloropropene	ND	1	0.23	5	ug/L	01/19/12	ryanp
trans-1,4-dichloro-2-butene	ND	1	0.17	5	ug/L	01/19/12	ryanp
Trichloroethene	ND	1	0.39	5	ug/L	01/19/12	ryanp
Trichlorofluoromethane	ND	1	0.25	5	ug/L	01/19/12	ryanp
Vinyl Chloride	ND	1	0.18	5	ug/L	01/19/12	ryanp
Xylenes (Total)	52	1	0.45	5	ug/L	01/19/12	ryanp

Surrogates for Method EPA 8260B By Prep MethodEPA 5030B

Analytes	Percent Recovery	Control Limits
1,2-Dichloroethane-d4 (SUR)	113	70-145
4-Bromofluorobenzene (SUR)	142	70-145
Dibromodifluoromethane (SUR)	97	70-145
Toluene-d8 (SUR)	102	70-145

Method: EPA 8310 Prep Method: EPA 3510C QCBatchID: QC1122652

Naphthalene	28	1	2.1	10	ug/L	01/23/12	qnguyen
Acenaphthylene	ND	1	3.2	15	ug/L	01/23/12	qnguyen
Acenaphthene	ND	1	1.9	10	ug/L	01/23/12	qnguyen
Fluorene	ND	1	0.3	1.5	ug/L	01/23/12	qnguyen
Phenanthrene	1.4	1	0.1	0.5	ug/L	01/23/12	qnguyen
Anthracene	ND	1	0.1	0.5	ug/L	01/23/12	qnguyen
Fluoranthene	ND	1	0.2	1	ug/L	01/23/12	qnguyen
Pyrene	ND	1	0.1	0.5	ug/L	01/23/12	qnguyen
Benz(a)anthracene	ND	1	0.1	0.5	ug/L	01/23/12	qnguyen
Chrysene	1.3	1	0.1	0.5	ug/L	01/23/12	qnguyen
Benzo(b)fluoranthene	ND	1	0.1	1	ug/L	01/23/12	qnguyen
Benzo(k)fluoranthene	ND	1	0.1	0.5	ug/L	01/23/12	qnguyen
Benzo(a)pyrene	ND	1	0.1	0.5	ug/L	01/23/12	qnguyen
Dibenz(a,h)anthracene	ND	1	0.2	1	ug/L	01/23/12	qnguyen
Benzo(g,h,i)perylene	ND	1	0.2	1	ug/L	01/23/12	qnguyen
Indeno(1,2,3-cd)pyrene	ND	1	0.1	0.5	ug/L	01/23/12	qnguyen

Surrogates for Method EPA 8310 By Prep MethodEPA 3510C

Analytes	Percent Recovery	Control Limits
p-Terphenyl (SUR)	64	50-135

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

Sample #:	297801-003	Client:	Advanced Environmental Concepts Inc.
Matrix:	Water	Client Sample #:	MW-1
Collect Date:	01/16/12	Site:	
Collect Time:		Collector:	Client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Method: EPA 6010B	**Prep Method:**				**QCBatchID:**	**QC1122467**	
Antimony	ND	5	0.016	0.1	mg/L	01/18/12	nina
Arsenic	0.989	5	0.004	0.05	mg/L	01/18/12	nina
Barium	11.9	5	0.001	0.05	mg/L	01/18/12	nina
Beryllium	0.058	5	0.001	0.025	mg/L	01/18/12	nina
Cadmium	0.023J	5	0.001	0.025	mg/L	01/18/12	nina
Chromium	2.24	5	0.002	0.05	mg/L	01/18/12	nina
Cobalt	0.944	5	0.001	0.025	mg/L	01/18/12	nina
Copper	5.08	5	0.001	0.05	mg/L	01/18/12	nina
Lead	0.536	5	0.004	0.025	mg/L	01/18/12	nina
Molybdenum	0.227	5	0.002	0.05	mg/L	01/18/12	nina
Nickel	1.55	5	0.001	0.1	mg/L	01/18/12	nina
Selenium	ND	5	0.004	0.05	mg/L	01/18/12	nina
Silver	0.008J	5	0.001	0.025	mg/L	01/18/12	nina
Thallium	ND	5	0.003	0.025	mg/L	01/18/12	nina
Vanadium	3.41	5	0.003	0.025	mg/L	01/18/12	nina
Zinc	4.33	5	0.002	0.1	mg/L	01/18/12	nina
Method: EPA 7470A	**Prep Method:**				**QCBatchID:**	**QC1122434**	
Mercury	ND	1	0.05	0.4	ug/L	01/17/12	metha
Method: EPA 8015B	**Prep Method:** EPA 5030B				**QCBatchID:**	**QC1122471**	
TPH Gasoline	ND	1	6.6	50	ug/L	01/17/12	fyt

Surrogates for Method EPA 8015B By Prop MethodEPA 5030B

Analytes	Percent Recovery	Control Limits
4-Bromofluorobenzene (SUR)	98	60-140

Method: EPA 8082	**Prep Method:** EPA 3510C				**QCBatchID:**	**QC1122555**	
PCB-1221	ND	2	0.24	0.5	ug/L	01/19/12	andrewk
PCB-1016	ND	2	0.13	0.5	ug/L	01/19/12	andrewk
PCB-1232	ND	2	0.12	0.5	ug/L	01/19/12	andrewk
PCB-1242	ND	2	0.071	0.5	ug/L	01/19/12	andrewk
PCB-1248	ND	2	0.12	0.5	ug/L	01/19/12	andrewk
PCB-1254	ND	2	0.084	0.5	ug/L	01/19/12	andrewk
PCB-1260	ND	2	0.082	0.5	ug/L	01/19/12	andrewk
PCB-1262	ND	2	0.083	0.5	ug/L	01/19/12	andrewk
PCB-1268	ND	2	0.039	0.5	ug/L	01/19/12	andrewk

Surrogates for Method EPA 8082 By Prop MethodEPA 3510C

Analytes	Percent Recovery	Control Limits
Decachlorobiphenyl DCB (SUR)	32	23-160

Method: EPA 8260B	**Prep Method:** EPA 5030B				**QCBatchID:**	**QC1122504**	
1,1,1,2-Tetrachloroethane	ND	1	0.25	5	ug/L	01/17/12	ryanp
1,1,1-Trichloroethane	ND	1	0.38	5	ug/L	01/17/12	ryanp
1,1,2,2-Tetrachloroethane	ND	1	0.25	5	ug/L	01/17/12	ryanp
1,1,2-Trichloroethane	ND	1	0.25	5	ug/L	01/17/12	ryanp
1,1,2-Trichlorotrifluoroethane	ND	1	0.29	5	ug/L	01/17/12	ryanp
1,1-Dichloroethane	ND	1	0.32	5	ug/L	01/17/12	ryanp
1,1-Dichloroethene	ND	1	0.3	5	ug/L	01/17/12	ryanp
1,1-Dichloropropene	ND	1	0.25	5	ug/L	01/17/12	ryanp

ND = Not Detected or < MDL **MDL = Method Detection Limit** **RDL = Reporting Detection Limit** **DF = Dilution Factor**

Sample #:	297801-003	Client:	Advanced Environmental Concepts Inc.
Matrix:	Water	Client Sample #:	MW-1
Collect Date:	01/16/12	Site:	
Collect Time:		Collector:	Client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
1,2,3-Trichlorobenzene	ND	1	0.28	5	ug/L	01/17/12	ryanp
1,2,3-Trichloropropane	ND	1	0.16	5	ug/L	01/17/12	ryanp
1,2,4-Trichlorobenzene	ND	1	0.27	5	ug/L	01/17/12	ryanp
1,2,4-Trimethylbenzene	ND	1	0.28	5	ug/L	01/17/12	ryanp
1,2-Dibromo-3-chloropropane	ND	1	0.12	5	ug/L	01/17/12	ryanp
1,2-Dibromoethane	ND	1	0.19	5	ug/L	01/17/12	ryanp
1,2-Dichlorobenzene	ND	1	0.26	5	ug/L	01/17/12	ryanp
1,2-Dichloroethane	ND	1	0.2	5	ug/L	01/17/12	ryanp
1,2-Dichloropropane	ND	1	0.36	5	ug/L	01/17/12	ryanp
1,3,5-Trimethylbenzene	ND	1	0.24	5	ug/L	01/17/12	ryanp
1,3-Dichlorobenzene	ND	1	0.34	5	ug/L	01/17/12	ryanp
1,3-Dichloropropane	ND	1	0.19	5	ug/L	01/17/12	ryanp
1,4-Dichlorobenzene	ND	1	0.43	5	ug/L	01/17/12	ryanp
2,2-Dichloropropane	ND	1	0.32	5	ug/L	01/17/12	ryanp
2-Butanone (MEK)	ND	1	0.78	100	ug/L	01/17/12	ryanp
2-Chloroethyl Vinyl Ether	ND	1	0.23	5	ug/L	01/17/12	ryanp
2-Chlorotoluene	ND	1	0.33	5	ug/L	01/17/12	ryanp
4-Chlorotoluene	ND	1	0.31	5	ug/L	01/17/12	ryanp
4-Isopropyltoluene	ND	1	0.32	5	ug/L	01/17/12	ryanp
4-Methyl-2-pentanone (MIBK)	ND	1	0.12	5	ug/L	01/17/12	ryanp
Acetone	ND	1	10	100	ug/L	01/17/12	ryanp
Allyl Chloride	ND	1	0.19	5	ug/L	01/17/12	ryanp
Benzene	ND	1	0.18	1	ug/L	01/17/12	ryanp
Bromobenzene	ND	1	0.53	5	ug/L	01/17/12	ryanp
Bromochloromethane	ND	1	0.17	5	ug/L	01/17/12	ryanp
Bromodichloromethane	ND	1	0.31	5	ug/L	01/17/12	ryanp
Bromoform	ND	1	0.13	5	ug/L	01/17/12	ryanp
Bromomethane	ND	1	0.68	5	ug/L	01/17/12	ryanp
Carbon Tetrachloride	ND	1	0.27	5	ug/L	01/17/12	ryanp
Chlorobenzene	ND	1	0.19	5	ug/L	01/17/12	ryanp
Chlorodibromomethane	ND	1	0.21	5	ug/L	01/17/12	ryanp
Chloroethane	ND	1	0.45	5	ug/L	01/17/12	ryanp
Chloroform	ND	1	0.18	5	ug/L	01/17/12	ryanp
Chloromethane	ND	1	0.27	5	ug/L	01/17/12	ryanp
cis-1,2-Dichloroethene	ND	1	0.27	5	ug/L	01/17/12	ryanp
cis-1,3-dichloropropene	ND	1	0.25	5	ug/L	01/17/12	ryanp
cis-1,4-dichloro-2-butene	ND	1	0.17	5	ug/L	01/17/12	ryanp
Dibromomethane	ND	1	0.20	5	ug/L	01/17/12	ryanp
Dichlorodifluoromethane	ND	1	0.33	5	ug/L	01/17/12	ryanp
Di-isopropyl ether (DIPE)	ND	1	0.2	1	ug/L	01/17/12	ryanp
Ethylbenzene	ND	1	0.21	5	ug/L	01/17/12	ryanp
Ethyl-tertbutylether (ETBE)	ND	1	0.23	1	ug/L	01/17/12	ryanp
Hexachlorobutadiene	ND	1	0.51	5	ug/L	01/17/12	ryanp
Isopropylbenzene	ND	1	0.24	5	ug/L	01/17/12	ryanp
m and p-Xylene	ND	1	0.45	5	ug/L	01/17/12	ryanp
Methylene chloride	ND	1	0.16	5	ug/L	01/17/12	ryanp
Methyl-t-butyl Ether (MTBE)	ND	1	0.19	1	ug/L	01/17/12	ryanp
Naphthalene	ND	1	0.25	5	ug/L	01/17/12	ryanp
N-butylbenzene	ND	1	0.25	5	ug/L	01/17/12	ryanp

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

Sample #:	297801-003	Client:	Advanced Environmental Concepts Inc.
Matrix:	Water	Client Sample #:	MW-1
Collect Date:	01/16/12	Site:	
Collect Time:		Collector:	Client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
N-propylbenzene	ND	1	0.31	5	ug/L	01/17/12	ryanp
o-Xylene	ND	1	0.29	5	ug/L	01/17/12	ryanp
Sec-butylbenzene	ND	1	0.32	5	ug/L	01/17/12	ryanp
Styrene	ND	1	0.22	5	ug/L	01/17/12	ryanp
t-Butyl alcohol (TBA)	ND	1	5.2	10	ug/L	01/17/12	ryanp
Tert-amylmethylether (TAME)	ND	1	0.19	1	ug/L	01/17/12	ryanp
Tert-butylbenzene	ND	1	0.4	5	ug/L	01/17/12	ryanp
Tetrachloroethene	ND	1	0.8	5	ug/L	01/17/12	ryanp
Toluene	ND	1	0.24	5	ug/L	01/17/12	ryanp
trans-1,2-dichloroethene	ND	1	0.33	5	ug/L	01/17/12	ryanp
trans-1,3-dichloropropene	ND	1	0.23	5	ug/L	01/17/12	ryanp
trans-1,4-dichloro-2-butene	ND	1	0.17	5	ug/L	01/17/12	ryanp
Trichloroethene	ND	1	0.39	5	ug/L	01/17/12	ryanp
Trichlorofluoromethane	ND	1	0.25	5	ug/L	01/17/12	ryanp
Vinyl Chloride	ND	1	0.18	5	ug/L	01/17/12	ryanp
Xylenes (Total)	ND	1	0.45	5	ug/L	01/17/12	ryanp

Surrogates for Method EPA 8260B By Prep MethodEPA 5030B

Analytes	Percent Recovery	Control Limits
1,2-Dichloroethane-d4 (SUR)	114	70-145
4-Bromofluorobenzene (SUR)	110	70-145
Dibromodifluoromethane (SUR)	92	70-145
Toluene-d8 (SUR)	116	70-145

Method: EPA 8310 Prep Method: EPA 3510C QCBatchID: QC1122652

Naphthalene	ND	1	2.1	10	ug/L	01/23/12	qnguyen
Acenaphthylene	ND	1	3.2	15	ug/L	01/23/12	qnguyen
Acenaphthene	ND	1	1.9	10	ug/L	01/23/12	qnguyen
Fluorene	ND	1	0.3	1.5	ug/L	01/23/12	qnguyen
Phenanthrene	ND	1	0.1	0.5	ug/L	01/23/12	qnguyen
Anthracene	ND	1	0.1	0.5	ug/L	01/23/12	qnguyen
Fluoranthene	ND	1	0.2	1	ug/L	01/23/12	qnguyen
Pyrene	ND	1	0.1	0.5	ug/L	01/23/12	qnguyen
Benz(a)anthracene	ND	1	0.1	0.5	ug/L	01/23/12	qnguyen
Chrysene	ND	1	0.1	0.5	ug/L	01/23/12	qnguyen
Benzo(b)fluoranthene	ND	1	0.1	1	ug/L	01/23/12	qnguyen
Benzo(k)fluoranthene	ND	1	0.1	0.5	ug/L	01/23/12	qnguyen
Benzo(a)pyrene	ND	1	0.1	0.5	ug/L	01/23/12	qnguyen
Dibenz(a,h)anthracene	ND	1	0.2	1	ug/L	01/23/12	qnguyen
Benzo(g,h,i)perylene	ND	1	0.2	1	ug/L	01/23/12	qnguyen
Indeno(1,2,3-cd)pyrene	ND	1	0.1	0.5	ug/L	01/23/12	qnguyen

Surrogates for Method EPA 8310 By Prep MethodEPA 3510C

Analytes	Percent Recovery	Control Limits
p-Terphenyl (SUR)	103	50-135

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

ASSOCIATED LABORATORIES QC SUMMARY FOR LAB REQUEST 297801

QCBatchID: QC1122434 Created By: melha Method: EPA 7470A

Matrix: Water Created Date: 01/17/12 Instrument: AAICP-HG1

Matrix Spike/Matrix Spike Duplicate Summary

QCLabID: QC1122434MS1, QC1122434MSD1 Source Sample #: 297801-003 Analysis Date: 01/17/12

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	% Recoveries %MS	% Recoveries %MSD	% Recoveries RPD	Acceptance Criteria %Rec	Acceptance Criteria %RPD
Mercury	ND	5	5	5.20	5.20	ug/L	104	104	0.0	75-125	0-20

Lab Control Spike/ Lab Control Spike Duplicate Summary

QCLabID: QC1122434LCS1 Analysis Date: 01/17/12

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	% Recoveries %LCS	% Recoveries %LCSD	% Recoveries RPD	Acceptance Criteria %Rec	Acceptance Criteria %RPD
Mercury	5		4.9		ug/L	98			80-120	-

BLANK SUMMARY

QCLabID: QC1122434MB1

Analysis Date: 01/17/12

Analyte	Blank Results	Units
	All Analytes are ND	

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

ASSOCIATED LABORATORIES QC SUMMARY FOR LAB REQUEST 297801

QCBatchID: QC1122467 Created By: anni Method: EPA 6010B

Matrix: Water Created Date: 01/17/12 Instrument AAICP (group)

Matrix Spike/Matrix Spike Duplicate Summary

QCLabID QC1122467MS1, QC1122467MSD1 Source Sample #: 297801-002 Analysis Date: 01/17/12

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	% Recoveries %MS	%MSD	RPD	Acceptance Criteria %Rec	%RPD
Antimony	0.038	1	1	0.951	0.943	mg/L	91	91	0.8	75-125	0-20
Arsenic	0.020	1	1	1.02	1.02	mg/L	100	100	0.0	75-125	0-20
Barium	0.080	1	1	0.917	0.920	mg/L	84	84	0.3	75-125	0-20
Beryllium	ND	1	1	0.906	0.925	mg/L	91	93	2.1	75-125	0-20
Cadmium	ND	1	1	0.864	0.858	mg/L	87	86	0.7	75-125	0-20
Chromium	0.003	1	1	0.887	0.885	mg/L	88	88	0.2	75-125	0-20
Cobalt	0.005	1	1	0.785	0.783	mg/L	78	78	0.3	75-125	0-20
Copper	0.012	1	1	0.858	0.872	mg/L	85	86	1.6	75-125	0-20
Lead	0.011	1	1	0.776	0.771	mg/L	77	76	0.6	75-125	0-20
Molybdenum	0.058	1	1	0.849	0.852	mg/L	79	79	0.4	75-125	0-20
Nickel	0.008	1	1	0.843	0.852	mg/L	84	84	1.1	75-125	0-20
Selenium	ND	1	1	0.702	0.677	mg/L	96	68	3.6	75-125	0-20
Silver	0.002	0.5	0.5	0.418	0.423	mg/L	83	84	1.2	75-125	0-20
Thallium	ND	1	1	0.739	0.741	mg/L	77	74	0.3	75-125	0-20
Vanadium	ND	1	1	0.841	0.843	mg/L	85	84	0.2	75-125	0-20
Zinc	0.016	1	1	0.819	0.816	mg/L	80	80	0.4	75-125	0-20

Lab Control Spike/ Lab Control Spike Duplicate Summary

QCLabID: QC1122467LCS1 Analysis Date: 01/17/12

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	% Recoveries %LCS	%LCSD	RPD	Acceptance Criteria %Rec	%RPD
Antimony	2		2.3		mg/L	115			80-120	-
Arsenic	2		2.23		mg/L	112			80-120	-
Barium	2		2.1		mg/L	105			80-120	-
Beryllium	2		2.31		mg/L	116			80-120	-
Cadmium	2		2.1		mg/L	105			80-120	-
Chromium	2		2.13		mg/L	107			80-120	-
Cobalt	2		2.04		mg/L	102			80-120	-
Copper	2		2		mg/L	100			80-120	-
Lead	2		2.03		mg/L	102			80-120	-
Molybdenum	2		1.91		mg/L	96			80-120	-
Nickel	2		2.12		mg/L	106			80-120	-
Selenium	2		2.21		mg/L	111			80-120	-
Silver	1		0.998		mg/L	100			80-120	-
Thallium	2		2.18		mg/L	109			80-120	-
Vanadium	2		2.04		mg/L	102			80-120	-
Zinc	2		2.03		mg/L	102			80-120	-

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

ASSOCIATED LABORATORIES QC SUMMARY FOR LAB REQUEST 297801

QCBatchID:	QC1122467	Created By:	anni	Method:	EPA 6010B
Matrix:	Water	Created Date:	01/17/12	Instrument	AAICP (group)

QCLabID: QC1122467MB1
Analysis Date: 01/17/12

BLANK SUMMARY

Analyte	Blank Results	Units
All Analytes are ND		

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

ASSOCIATED LABORATORIES QC SUMMARY FOR LAB REQUEST 297801

QCBatchID: QC1122471 Created By: lytagas Method: EPA 8015B

Matrix: Water Created Date: 01/17/12 Instrument VOA-GC (group)

Matrix Spike/Matrix Spike Duplicate Summary

QCLabID QC1122471MS1, QC1122471MSD1 Source Sample #: 297798-001 Analysis Date: 01/17/12

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	% Recoveries %MS	% Recoveries %MSD	% Recoveries RPD	Acceptance Criteria %Rec	Acceptance Criteria %RPD
TPH Gasoline	ND	500	500	418	416	ug/L	84	83	0.5	70-130	0-30

Lab Control Spike/ Lab Control Spike Duplicate Summary

QCLabID: QC1122471LCS1, QC1122471LCSD Analysis Date: 01/17/12

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	% Recoveries %LCS	% Recoveries %LCSD	% Recoveries RPD	Acceptance Criteria %Rec	Acceptance Criteria %RPD
TPH Gasoline	500	500	423	425	ug/L	85	85	0	70-130	0-30

BLANK SUMMARY

QCLabID: QC1122471MB1

Analysis Date: 01/17/12

Analyte	Blank Results	Units
All Analytes are ND		

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

ASSOCIATED LABORATORIES QC SUMMARY FOR LAB REQUEST 297801

QCBatchID: QC1122504 Created By: ryanp Method: EPA 8260B

Matrix: Water Created Date: 01/18/12 Instrument VOA-MS (group)

Matrix Spike/Matrix Spike Duplicate Summary

QCLabID QC1122504MS1, QC1122504MSD1 Source Sample #: 297778-001 Analysis Date: 01/18/12

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	% Recoveries %MS	%MSD	RPD	Acceptance Criteria %Rec	%RPD
1,1-Dichloroethene	ND	50	50	43	41	ug/L	86	81	5.0	59-172	0-22
Benzene	ND	50	50	41	40	ug/L	81	79	2.2	62-137	0-24
Chlorobenzene	ND	50	50	51	52	ug/L	102	103	1.0	60-133	0-24
Methyl-t-butyl Ether (MTBE)	ND	50	50	49	47	ug/L	98	95	3.3	62-137	0-21
Toluene	ND	50	50	52	52	ug/L	105	103	1.3	59-139	0-21
Trichloroethene	7.1	50	50	59	57	ug/L	105	100	4.1	66-142	0-21

Lab Control Spike/ Lab Control Spike Duplicate Summary

QCLabID: QC1122504LCS1 Analysis Date: 01/18/12

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	% Recoveries %LCS	%LCSD	RPD	Acceptance Criteria %Rec	%RPD
1,1-Dichloroethene	50		40.5		ug/L	81			59-172	-
Benzene	50		37.5		ug/L	75			62-137	-
Chlorobenzene	50		37.7		ug/L	75			60-133	-
Methyl-t-butyl Ether (MTBE)	50		39.7		ug/L	79			62-137	-
Toluene	50		42.1		ug/L	84			59-139	-
Trichloroethene	50		43.2		ug/L	86			66-142	-

BLANK SUMMARY

QCLabID: QC1122504MB1

Analysis Date: 01/18/12

Analyte	Blank Results	Units
All Analytes are ND		

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

ASSOCIATED LABORATORIES QC SUMMARY FOR LAB REQUEST 297801

QCBatchID: QC1122524 Created By: ryanp Method: EPA 8260B

Matrix: Water Created Date: 01/19/12 Instrument VOA-MS (group)

Lab Control Spike/ Lab Control Spike Duplicate Summary

QCLabID: QC1122524LCS1 Analysis Date: 01/19/12

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	% Recoveries %LCS	% Recoveries %LCSD	% Recoveries RPD	Acceptance Criteria %Rec	Acceptance Criteria %RPD
1,1-Dichloroethene	50		48.2		ug/L	96			59-172	-
Benzene	50		46		ug/L	92			62-137	-
Chlorobenzene	50		43.9		ug/L	88			60-133	-
Methyl-t-butyl Ether (MTBE)	50		45		ug/L	90			62-137	-
Toluene	50		44		ug/L	88			59-139	-
Trichloroethene	50		43.2		ug/L	86			60-142	-

QCLabID: QC1122524MB1

Analysis Date: 01/19/12

BLANK SUMMARY

Analyte	Blank Results	Units
All Analytes are ND		

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

ASSOCIATED LABORATORIES QC SUMMARY FOR LAB REQUEST 297801

QCBatchID: QC1122555 Created By: andrewk Method: EPA 8082

Matrix: Water Created Date: 01/19/12 Instrument SVOA-GC (group)

Lab Control Spike/ Lab Control Spike Duplicate Summary

QCLabID: QC1122555LCS1, QC1122555LCSD Analysis Date: 01/19/12

Analyte	Spike Amount		Spike Result		Units	% Recoveries			Acceptance Criteria	
	LCS	LCSD	LCS	LCSD		%LCS	%LCSD	RPD	%Rec	%RPD
PCB-1260	2.5	2.5	2.209	2.394	ug/L	88	96	8	50-125	0-20

QCLabID: QC1122555MB1

Analysis Date: 01/19/12

BLANK SUMMARY

Analyte	Blank Results	Units
All Analytes are ND		

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

ASSOCIATED LABORATORIES QC SUMMARY FOR LAB REQUEST 297801

QCBatchID: QC1122652 Created By: greghess Method: EPA 8310

Matrix: Water Created Date: 01/19/12 Instrument SVOA-LC (group)

Lab Control Spike/ Lab Control Spike Duplicate Summary

QCLabID: QC1122652LCS1, QC1122652LCSD Analysis Date: 01/19/12

Analyte	Spike Amount		Spike Result		Units	% Recoveries			Acceptance Criteria	
	LCS	LCSD	LCS	LCSD		%LCS	%LCSD	RPD	%Rec	%RPD
Benzo(a)pyrene	4	4	4.3	4.3	ug/L	108	108	0	50-159	0-35
Benzo(b)fluoranthene	4	4	4.9	5.0	ug/L	123	125	2	50-128	0-35
Benzo(g,h,i)perylene	4	4	4.4	4.2	ug/L	110	105	5	50-159	0-35
Benzo(k)fluoranthene	4	4	4.9	4.9	ug/L	123	123	0	50-159	0-35
Phenanthrene	4	4	4.3	4.4	ug/L	108	110	2	50-155	0-35
Pyrene	4	4	4.6	4.7	ug/L	115	118	2	50-199	0-35

QCLabID: QC1122652MB1
Analysis Date: 01/19/12

BLANK SUMMARY

Analyte	Blank Results	Units
All Analytes are ND		

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

CHAIN-OF-CUSTODY RECORD

Client: AEC

Project Name: Pumpkin Patch

Project Address: PCH / STUDEBAKER, Long Beach, CA

Sampler's Signature: [signature]

Date: 1/16/12

Client Project #:

Turn Around Requested:
- ☐ 24-Hour-Rush
- ☐ 48-Hour-Rush
- ☒ Normal
- ☐ Mobile Lab

LAB Project #: 297801

Page 1 of

Lab Use Only. Sample Condition as received:
Chilled Yes / No
Sealed Yes / No

Analysis Requested

Sample	Sample Location	Date	Time	Laboratory Sample Number	Sample Matrix: Soil(S) Sludge(SL), Aqueous(A)	TPH-g	8260B	8270C	8082 (PCB's)	Title 22 Metals			Number of Containers	Container / Comments
C-1W		1/16/12			GW	✓	✓	✓	✓	✓			6	
C-3W		11			GW	✓	✓	✓	✓	✓			6	
MW-1		1/16/12			GW	✓	✓	✓	✓	✓			6	

❶ Relinquished by: (Signature) [signature]	Date 1/16/12	❷ Received by: (Signature) [signature] Pinkgt	Date 1/16/12
Company: AEC	Time 2pm	Company: ASL	Time 14:00
❸ Relinquished by: (Signature)	Date	❹ Received by Laboratory: (Signature)	Date
Company:	Time	Company:	Time

Total Number of Containers: 18

ADVANCED ENVIRONMENTAL CONCEPTS INC.
661/395-1646
FAX 661/395-1616
220 E. TRUXTUN AVENUE
BAKERSFIELD, CA 93305
E-mail: aeclnc@sbcglobal.net

ASSOCIATED LABORATORIES
806 North Batavia – Orange, California 92868 – 714-771-6900 FAX 714-538-1209

SAMPLE ACCEPTANCE CHECKLIST

Section 1
Client: AEC
Date Received: 1-16-12
Sample(s) received in cooler: Yes No (Skip Section 2)
Shipping Information:
Project:
Sampler's Name: Yes No

Section 2
Was the cooler packed with: X Ice ___ Ice Packs ___ Bubble Wrap ___ Styrofoam ___ Paper ___ None ___ Other ___
Cooler or box temperature: 5°C

(Acceptance range is 2 to 6 Deg. C.)

Section 3	YES	NO	N/A
Was a COC received?	X		
Is it properly completed? (IDs, sampling date and time, signature, test)	X		
Were custody seals present?			X
If Yes – were they intact?			X
Were all samples sealed in plastic bags?	X		
Did all samples arrive intact? If no, indicate below.	X		
Did all bottle labels agree with COC? (ID, dates and times)	X		
Were correct containers used for the tests required?	X		
Was a sufficient amount of sample sent for tests indicated?	X		
Was there headspace in VOA vials?		X	
Were the containers labeled with correct preservatives?	X		
Was total residual chlorine measured (Fish Bioassay samples only)? *			X

*: If the answer is no, please inform Fish Bioassay Dept. immediately.

Section 4
Explanations/Comments

Section 5
Was Project Manager notified of discrepancies: Y / N N/A

Completed By: [signature] Date: 1-6-12

Associated Laboratories
806 N. Batavia - Orange, CA 92868
Tel (714)771-6900 Fax (714)538-1209
www.associatedlabs.com
info@associatedlabs.com

ACCREDITED IN ACCORDANCE WITH nelac

Client: Advanced Environmental Concepts Inc.
Address: 220 E. Truxtun Ave.
Bakersfield, CA 93305
Attn: Jonathan Buck

Lab Request: 297883
Report Date: 01/26/2012
Date Received: 01/17/2012
Client ID: 10022

Comments: Pumpkin Patch
PCH & Studebaker, Long Beach, CA

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods indicated on the attached report and all NELAC criteria. This cover letter is an integral part of the final report.

Sample #	Client Sample ID	Sample #	Client Sample ID
297883-001	B-1-5'	297883-017	B-4-20'
297883-002	B-1-20'	297883-018	B-3W
297883-003	B-1W		
297883-004	B-1-38'		
297883-005	B-2-5'		
297883-006	B-2-10'		
297883-007	B-2-20'		
297883-008	B-2-25'		
297883-009	B-2-30'		
297883-010	B-3-5'		
297883-011	B-3-15'		
297883-012	B-3-20'		
297883-013	B-3-30'		
297883-014	B-4-5'		
297883-015	B-4-10'		
297883-016	B-4-15'		

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Bekare, Ph.D.
Lab Director

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 45 days from date reported.

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TESTING & CONSULTING
Chemical
Microbiological
Environmental

Sample #:	297883-001	Client:	Advanced Environmental Concepts Inc.
Matrix:	Solid	Client Sample #:	B-1-5'
Collect Date:	01/17/12	Site:	
Collect Time:		Collector:	Client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Method: EPA 6010B	Prep Method:				QCBatchID:	QC1122535	
Antimony	0.5J	1	0.37	3	mg/Kg	01/20/12	nina
Arsenic	2.40	1	0.36	1	mg/Kg	01/20/12	nina
Barium	75.8	1	0.23	1	mg/Kg	01/20/12	nina
Beryllium	0.4J	1	0.17	0.5	mg/Kg	01/20/12	nina
Cadmium	1.76	1	0.21	0.5	mg/Kg	01/20/12	nina
Chromium	34.4	1	0.13	1	mg/Kg	01/20/12	nina
Cobalt	6.34	1	0.19	0.5	mg/Kg	01/20/12	nina
Copper	40.1	1	0.31	1	mg/Kg	01/20/12	nina
Lead	75.5	1	0.32	0.5	mg/Kg	01/20/12	nina
Molybdenum	2.30	1	0.13	1	mg/Kg	01/20/12	nina
Nickel	10.4	1	0.2	1.5	mg/Kg	01/20/12	nina
Selenium	ND	1	0.72	1	mg/Kg	01/20/12	nina
Silver	0.2J	1	0.13	0.5	mg/Kg	01/20/12	nina
Thallium	ND	1	0.42	1	mg/Kg	01/20/12	nina
Vanadium	24.4	1	0.37	0.5	mg/Kg	01/20/12	nina
Zinc	237	1	0.28	5	mg/Kg	01/20/12	nina
Method: EPA 7471A	Prep Method:				QCBatchID:	QC1122553	
Mercury	ND	1	0.02	0.14	mg/Kg	01/20/12	metha
Method: EPA 8015B	Prep Method: EPA 3545				QCBatchID:	QC1122568	
TPH (C6 to C10)	ND	400	1.7	1200	mg/Kg	01/23/12	anca
TPH (C10 to C22)	14000	400	0.4	1200	mg/Kg	01/23/12	anca
TPH (C22 to C36)	ND	400	2.1	2000	mg/Kg	01/23/12	anca

Surrogates for Method EPA 8015B By Prep MethodEPA 3545

Analytes	Percent Recovery	Control Limits
Triacontane (SUR)	123	60-140

Method: EPA 8082	Prep Method: EPA 3545				QCBatchID:	QC1122630	
PCB-1016	ND	1	0.018	0.05	mg/Kg	01/24/12	andrewk
PCB-1221	ND	1	0.014	0.05	mg/Kg	01/24/12	andrewk
PCB-1232	ND	1	0.018	0.05	mg/Kg	01/24/12	andrewk
PCB-1242	ND	1	0.0073	0.05	mg/Kg	01/24/12	andrewk
PCB-1248	ND	1	0.0066	0.05	mg/Kg	01/24/12	andrewk
PCB-1254	3.7	10	0.1	0.5	mg/Kg	01/24/12	andrewk
PCB-1260	ND	1	0.018	0.05	mg/Kg	01/24/12	andrewk
PCB-1262	ND	1	0.02	0.05	mg/Kg	01/24/12	andrewk
PCB-1268	ND	1	0.011	0.05	mg/Kg	01/24/12	andrewk

Surrogates for Method EPA 8082 By Prep MethodEPA 3545

Analytes	Percent Recovery	Control Limits
Decachlorobiphenyl DCB (SUR)	84	36-136

Method: EPA 8260B	Prep Method: EPA 5035				QCBatchID:	QC1122637	
1,1,1,2-Tetrachloroethane	ND	1000	240	5000	ug/Kg	01/21/12	nicollez
1,1,1-Trichloroethane	ND	1000	150	5000	ug/Kg	01/21/12	nicollez
1,1,2,2-Tetrachloroethane	ND	1000	290	5000	ug/Kg	01/21/12	nicollez
1,1,2-Trichloroethane	ND	1000	220	5000	ug/Kg	01/21/12	nicollez
1,1,2-Trichlorotrifluoroethane	ND	1000	740	5000	ug/Kg	01/21/12	nicollez
1,1-Dichloroethane	ND	1000	230	5000	ug/Kg	01/21/12	nicollez

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

Sample #:	297883-001	Client:	Advanced Environmental Concepts Inc.
Matrix:	Solid	Client Sample #:	B-1-5'
Collect Date:	01/17/12	Site:	
Collect Time:		Collector:	Client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
1,1-Dichloroethane	ND	1000	180	5000	ug/Kg	01/21/12	nicollez
1,1-Dichloropropene	ND	1000	210	5000	ug/Kg	01/21/12	nicollez
1,2,3-Trichlorobenzene	ND	1000	180	5000	ug/Kg	01/21/12	nicollez
1,2,3-Trichloropropane	ND	1000	200	5000	ug/Kg	01/21/12	nicollez
1,2,4-Trichlorobenzene	ND	1000	330	5000	ug/Kg	01/21/12	nicollez
1,2,4-Trimethylbenzene	13000	1000	280	5000	ug/Kg	01/21/12	nicollez
1,2-Dibromo-3-chloropropane	ND	1000	200	5000	ug/Kg	01/21/12	nicollez
1,2-Dibromoethane	ND	1000	120	5000	ug/Kg	01/21/12	nicollez
1,2-Dichlorobenzene	ND	1000	180	5000	ug/Kg	01/21/12	nicollez
1,2-Dichloroethane	ND	1000	140	5000	ug/Kg	01/21/12	nicollez
1,2-Dichloropropane	ND	1000	340	5000	ug/Kg	01/21/12	nicollez
1,3,5-Trimethylbenzene	4000J	1000	230	5000	ug/Kg	01/21/12	nicollez
1,3-Dichlorobenzene	ND	1000	210	5000	ug/Kg	01/21/12	nicollez
1,3-Dichloropropane	ND	1000	190	5000	ug/Kg	01/21/12	nicollez
1,4-Dichlorobenzene	ND	1000	240	5000	ug/Kg	01/21/12	nicollez
2,2-Dichloropropane	ND	1000	190	5000	ug/Kg	01/21/12	nicollez
2-Butanone (MEK)	ND	1000	720	100000	ug/Kg	01/21/12	nicollez
2-Chloroethyl Vinyl Ether	ND	1000	300	5000	ug/Kg	01/21/12	nicollez
2-Chlorotoluene	ND	1000	250	5000	ug/Kg	01/21/12	nicollez
4-Chlorotoluene	ND	1000	220	5000	ug/Kg	01/21/12	nicollez
4-Isopropyltoluene	8200	1000	270	5000	ug/Kg	01/21/12	nicollez
4-Methyl-2-pentanone (MIBK)	ND	1000	170	5000	ug/Kg	01/21/12	nicollez
Acetone	ND	1000	10000	100000	ug/Kg	01/21/12	nicollez
Allyl Chloride	ND	1000	140	5000	ug/Kg	01/21/12	nicollez
Benzene	ND	1000	180	5000	ug/Kg	01/21/12	nicollez
Bromobenzene	ND	1000	300	5000	ug/Kg	01/21/12	nicollez
Bromochloromethane	ND	1000	160	5000	ug/Kg	01/21/12	nicollez
Bromodichloromethane	ND	1000	200	5000	ug/Kg	01/21/12	nicollez
Bromoform	ND	1000	190	5000	ug/Kg	01/21/12	nicollez
Bromomethane	ND	1000	220	5000	ug/Kg	01/21/12	nicollez
Carbon Tetrachloride	ND	1000	180	5000	ug/Kg	01/21/12	nicollez
Chlorobenzene	ND	1000	180	5000	ug/Kg	01/21/12	nicollez
Chlorodibromomethane	ND	1000	190	5000	ug/Kg	01/21/12	nicollez
Chloroethane	ND	1000	200	5000	ug/Kg	01/21/12	nicollez
Chloroform	ND	1000	170	5000	ug/Kg	01/21/12	nicollez
Chloromethane	ND	1000	210	5000	ug/Kg	01/21/12	nicollez
cis-1,2-Dichloroethene	ND	1000	200	5000	ug/Kg	01/21/12	nicollez
cis-1,3-dichloropropene	ND	1000	200	5000	ug/Kg	01/21/12	nicollez
cis-1,4-dichloro-2-butene	ND	1000	200	5000	ug/Kg	01/21/12	nicollez
Dibromomethane	ND	1000	230	5000	ug/Kg	01/21/12	nicollez
Dichlorodifluoromethane	ND	1000	230	5000	ug/Kg	01/21/12	nicollez
Di-isopropyl ether (DIPE)	ND	1000	210	5000	ug/Kg	01/21/12	nicollez
Ethylbenzene	ND	1000	250	5000	ug/Kg	01/21/12	nicollez
Ethyl-tertbutylether (ETBE)	ND	1000	420	5000	ug/Kg	01/21/12	nicollez
Hexachlorobutadiene	ND	1000	380	5000	ug/Kg	01/21/12	nicollez
Isopropylbenzene	ND	1000	170	5000	ug/Kg	01/21/12	nicollez
m and p-Xylene	3300J	1000	210	5000	ug/Kg	01/21/12	nicollez
Methylene chloride	ND	1000	220	5000	ug/Kg	01/21/12	nicollez
Methyl-t-butyl Ether (MTBE)	ND	1000	250	5000	ug/Kg	01/21/12	nicollez

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

Sample #:	297883-001	Client:	Advanced Environmental Concepts Inc.
Matrix:	Solid	Client Sample #:	B-1-5'
Collect Date:	01/17/12	Site:	
Collect Time:		Collector:	Client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Naphthalene	1300000	25000	7000	125000	ug/Kg	01/22/12	nicollez
N-butylbenzene	3500J	1000	160	5000	ug/Kg	01/21/12	nicollez
N-propylbenzene	ND	1000	190	5000	ug/Kg	01/21/12	nicollez
o-Xylene	2300J	1000	130	5000	ug/Kg	01/21/12	nicollez
Sec-butylbenzene	ND	1000	340	5000	ug/Kg	01/21/12	nicollez
Styrene	ND	1000	230	5000	ug/Kg	01/21/12	nicollez
t-Butyl alcohol (TBA)	ND	1000	8800	10000	ug/Kg	01/21/12	nicollez
Tert-amylmethylether (TAME)	ND	1000	190	5000	ug/Kg	01/21/12	nicollez
Tert-butylbenzene	ND	1000	180	5000	ug/Kg	01/21/12	nicollez
Tetrachloroethene	ND	1000	200	5000	ug/Kg	01/21/12	nicollez
Toluene	ND	1000	230	5000	ug/Kg	01/21/12	nicollez
trans-1,2-dichloroethene	ND	1000	230	5000	ug/Kg	01/21/12	nicollez
trans-1,3-dichloropropene	ND	1000	140	5000	ug/Kg	01/21/12	nicollez
trans-1,4-dichloro-2-butene	ND	1000	380	5000	ug/Kg	01/21/12	nicollez
Trichloroethene	ND	1000	390	5000	ug/Kg	01/21/12	nicollez
Trichlorofluoromethane	ND	1000	250	5000	ug/Kg	01/21/12	nicollez
Vinyl Chloride	ND	1000	180	5000	ug/Kg	01/21/12	nicollez
Xylenes (Total)	5600	1000	450	5000	ug/Kg	01/21/12	nicollez

Surrogates for Method EPA 8260B By Prep MethodEPA 5035

Analytes	Percent Recovery	Control Limits
1,2-Dichloroethane-d4 (SUR)	112	70-145
4-Bromofluorobenzene (SUR)	99	70-145
Dibromodifluoromethane (SUR)	103	70-145
Toluene-d8 (SUR)	98	70-145

Method: EPA 8310 Prep Method: EPA 3545 QCBatchID: QC1122639

Naphthalene	180	50	0.28	25	mg/Kg	01/24/12	qnguyen
Acenaphthylene	ND	50	0.088	25	mg/Kg	01/24/12	qnguyen
Acenaphthene	160	50	0.04	25	mg/Kg	01/24/12	qnguyen
Fluorene	220	50	0.008	7.5	mg/Kg	01/24/12	qnguyen
Phenanthrene	560	50	0.005	5	mg/Kg	01/24/12	qnguyen
Anthracene	76	50	0.003	2.5	mg/Kg	01/24/12	qnguyen
Fluoranthene	200	50	0.004	2.5	mg/Kg	01/24/12	qnguyen
Pyrene	310	50	0.003	2.5	mg/Kg	01/24/12	qnguyen
Benz(a)anthracene	23	50	0.002	2.5	mg/Kg	01/24/12	qnguyen
Chrysene	36	50	0.002	2.5	mg/Kg	01/24/12	qnguyen
Benzo(b)fluoranthene	ND	50	0.003	2.5	mg/Kg	01/24/12	qnguyen
Benzo(k)fluoranthene	ND	50	0.005	2.5	mg/Kg	01/24/12	qnguyen
Benzo(a)pyrene	ND	50	0.005	2.5	mg/Kg	01/24/12	qnguyen
Dibenz(a,h)anthracene	ND	50	0.003	2.5	mg/Kg	01/24/12	qnguyen
Benzo(g,h,i)perylene	ND	50	0.004	2.5	mg/Kg	01/24/12	qnguyen
Indeno(1,2,3-cd)pyrene	ND	50	0.003	2.5	mg/Kg	01/24/12	qnguyen

Surrogates for Method EPA 8310 By Prep MethodEPA 3545

Analytes	Percent Recovery	Control Limits
p-Terphenyl (SUR)	108	55-140

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

Sample #:	297883-002	Client:	Advanced Environmental Concepts Inc.
Matrix:	Solid	Client Sample #:	B-1-20'
Collect Date:	01/17/12	Site:	
Collect Time:		Collector:	Client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Method: EPA 6010B	Prep Method:				QCBatchID:	QC1122535	
Antimony	0.8J	1	0.37	3	mg/Kg	01/20/12	nina
Arsenic	4.64	1	0.36	1	mg/Kg	01/20/12	nina
Barium	114	1	0.23	1	mg/Kg	01/20/12	nina
Beryllium	ND	1	0.17	0.5	mg/Kg	01/20/12	nina
Cadmium	0.7	1	0.21	0.5	mg/Kg	01/20/12	nina
Chromium	32.5	1	0.13	1	mg/Kg	01/20/12	nina
Cobalt	2.76	1	0.19	0.5	mg/Kg	01/20/12	nina
Copper	25.8	1	0.31	1	mg/Kg	01/20/12	nina
Lead	426	1	0.32	0.5	mg/Kg	01/20/12	nina
Molybdenum	1.92	1	0.13	1	mg/Kg	01/20/12	nina
Nickel	12.5	1	0.2	1.5	mg/Kg	01/20/12	nina
Selenium	ND	1	0.72	1	mg/Kg	01/20/12	nina
Silver	0.2J	1	0.13	0.5	mg/Kg	01/20/12	nina
Thallium	ND	1	0.42	1	mg/Kg	01/20/12	nina
Vanadium	7.23	1	0.37	0.5	mg/Kg	01/20/12	nina
Zinc	278	1	0.28	5	mg/Kg	01/20/12	nina
Method: EPA 7471A	Prep Method:				QCBatchID:	QC1122553	
Mercury	0.39	1	0.02	0.14	mg/Kg	01/20/12	metha
Method: EPA 8015B	Prep Method: EPA 3545				QCBatchID:	QC1122668	
TPH (C6 to C10)	ND	50	1.7	150	mg/Kg	01/23/12	anca
TPH (C10 to C22)	ND	50	0.4	150	mg/Kg	01/23/12	anca
TPH (C22 to C36)	467	50	2.1	250	mg/Kg	01/23/12	anca

Surrogates for Method EPA 8015B By Prep MethodEPA 3545

Analytes	Percent Recovery	Control Limits
Triacontane (SUR)	109	60-140

Method: EPA 8082	Prep Method: EPA 3545				QCBatchID:	QC1122830	
PCB-1016	ND	1	0.018	0.05	mg/Kg	01/24/12	andrewk
PCB-1221	ND	1	0.014	0.05	mg/Kg	01/24/12	andrewk
PCB-1232	ND	1	0.018	0.05	mg/Kg	01/24/12	andrewk
PCB-1242	ND	1	0.0073	0.05	mg/Kg	01/24/12	andrewk
PCB-1248	ND	1	0.0066	0.05	mg/Kg	01/24/12	andrewk
PCB-1254	0.84	2	0.02	0.1	mg/Kg	01/24/12	andrewk
PCB-1260	ND	1	0.018	0.05	mg/Kg	01/24/12	andrewk
PCB-1262	ND	1	0.02	0.05	mg/Kg	01/24/12	andrewk
PCB-1268	ND	1	0.011	0.05	mg/Kg	01/24/12	andrewk

Surrogates for Method EPA 8082 By Prep MethodEPA 3545

Analytes	Percent Recovery	Control Limits
Decachlorobiphenyl DCB (SUR)	86	30-130

Method: EPA 8260B	Prep Method: EPA 5035				QCBatchID:	QC1122637	
1,1,1,2-Tetrachloroethane	ND	1	0.24	5	ug/Kg	01/21/12	nicollez
1,1,1-Trichloroethane	ND	1	0.15	5	ug/Kg	01/21/12	nicollez
1,1,2,2-Tetrachloroethane	ND	1	0.29	5	ug/Kg	01/21/12	nicollez
1,1,2-Trichloroethane	ND	1	0.22	5	ug/Kg	01/21/12	nicollez
1,1,2-Trichlorotrifluoroethane	ND	1	0.74	5	ug/Kg	01/21/12	nicollez
1,1-Dichloroethane	ND	1	0.23	5	ug/Kg	01/21/12	nicollez

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

Sample #:	297883-002	Client:	Advanced Environmental Concepts Inc.
Matrix:	Solid	Client Sample #:	B-1-20'
Collect Date:	01/17/12	Site:	
Collect Time:		Collector:	Client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
1,1-Dichloroethene	ND	1	0.18	5	ug/Kg	01/21/12	nicollez
1,1-Dichloropropene	ND	1	0.21	5	ug/Kg	01/21/12	nicollez
1,2,3-Trichlorobenzene	ND	1	0.18	5	ug/Kg	01/21/12	nicollez
1,2,3-Trichloropropane	ND	1	0.2	5	ug/Kg	01/21/12	nicollez
1,2,4-Trichlorobenzene	ND	1	0.33	5	ug/Kg	01/21/12	nicollez
1,2,4-Trimethylbenzene	110	1	0.28	5	ug/Kg	01/21/12	nicollez
1,2-Dibromo-3-chloropropane	ND	1	0.2	5	ug/Kg	01/21/12	nicollez
1,2-Dibromoethane	ND	1	0.12	5	ug/Kg	01/21/12	nicollez
1,2-Dichlorobenzene	ND	1	0.18	5	ug/Kg	01/21/12	nicollez
1,2-Dichloroethane	ND	1	0.14	5	ug/Kg	01/21/12	nicollez
1,2-Dichloropropane	ND	1	0.34	5	ug/Kg	01/21/12	nicollez
1,3,5-Trimethylbenzene	26	1	0.23	5	ug/Kg	01/21/12	nicollez
1,3-Dichlorobenzene	ND	1	0.21	5	ug/Kg	01/21/12	nicollez
1,3-Dichloropropane	ND	1	0.19	5	ug/Kg	01/21/12	nicollez
1,4-Dichlorobenzene	44	1	0.24	5	ug/Kg	01/21/12	nicollez
2,2-Dichloropropane	ND	1	0.19	5	ug/Kg	01/21/12	nicollez
2-Butanone (MEK)	ND	1	0.72	100	ug/Kg	01/21/12	nicollez
2-Chloroethyl Vinyl Ether	ND	1	0.3	5	ug/Kg	01/21/12	nicollez
2-Chlorotoluene	ND	1	0.25	5	ug/Kg	01/21/12	nicollez
4-Chlorotoluene	ND	1	0.22	5	ug/Kg	01/21/12	nicollez
4-Isopropyltoluene	130	1	0.27	5	ug/Kg	01/21/12	nicollez
4-Methyl-2-pentanone (MIBK)	6.5	1	0.17	5	ug/Kg	01/21/12	nicollez
Acetone	190	1	10	100	ug/Kg	01/21/12	nicollez
Allyl Chloride	ND	1	0.14	5	ug/Kg	01/21/12	nicollez
Benzene	1.7J	1	0.18	5	ug/Kg	01/21/12	nicollez
Bromobenzene	ND	1	0.3	5	ug/Kg	01/21/12	nicollez
Bromochloromethane	ND	1	0.18	5	ug/Kg	01/21/12	nicollez
Bromodichloromethane	ND	1	0.2	5	ug/Kg	01/21/12	nicollez
Bromoform	ND	1	0.19	5	ug/Kg	01/21/12	nicollez
Bromomethane	ND	1	0.22	5	ug/Kg	01/21/12	nicollez
Carbon Tetrachloride	ND	1	0.18	5	ug/Kg	01/21/12	nicollez
Chlorobenzene	ND	1	0.19	5	ug/Kg	01/21/12	nicollez
Chlorodibromomethane	ND	1	0.19	5	ug/Kg	01/21/12	nicollez
Chloroethane	ND	1	0.2	5	ug/Kg	01/21/12	nicollez
Chloroform	ND	1	0.17	5	ug/Kg	01/21/12	nicollez
Chloromethane	ND	1	0.21	5	ug/Kg	01/21/12	nicollez
cis-1,2-Dichloroethene	ND	1	0.2	5	ug/Kg	01/21/12	nicollez
cis-1,3-dichloropropene	ND	1	0.2	5	ug/Kg	01/21/12	nicollez
cis-1,4-dichloro-2-butene	ND	1	0.2	5	ug/Kg	01/21/12	nicollez
Dibromomethane	ND	1	0.23	5	ug/Kg	01/21/12	nicollez
Dichlorodifluoromethane	ND	1	0.23	5	ug/Kg	01/21/12	nicollez
Di-Isopropyl ether (DIPE)	ND	1	0.21	5	ug/Kg	01/21/12	nicollez
Ethylbenzene	25	1	0.25	5	ug/Kg	01/21/12	nicollez
Ethyl-tertbutylether (ETBE)	ND	1	0.42	5	ug/Kg	01/21/12	nicollez
Hexachlorobutadiene	ND	1	0.38	5	ug/Kg	01/21/12	nicollez
Isopropylbenzene	3.5J	1	0.17	5	ug/Kg	01/21/12	nicollez
m and p-Xylene	31	1	0.21	5	ug/Kg	01/21/12	nicollez
Methylene chloride	ND	1	0.22	5	ug/Kg	01/21/12	nicollez
Methyl-t-butyl Ether (MTBE)	ND	1	0.25	5	ug/Kg	01/21/12	nicollez

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

Sample #:	297883-002	Client:	Advanced Environmental Concepts Inc.
Matrix:	Solid	Client Sample #:	B-1-20'
Collect Date:	01/17/12	Site:	
Collect Time:		Collector:	Client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Naphthalene	260	1	0.28	5	ug/Kg	01/21/12	nicollez
N-butylbenzene	32	1	0.16	5	ug/Kg	01/21/12	nicollez
N-propylbenzene	8.0	1	0.19	5	ug/Kg	01/21/12	nicollez
o-Xylene	19	1	0.13	5	ug/Kg	01/21/12	nicollez
Sec-butylbenzene	5.7	1	0.34	5	ug/Kg	01/21/12	nicollez
Styrene	1.6J	1	0.23	5	ug/Kg	01/21/12	nicollez
t-Butyl alcohol (TBA)	ND	1	8.8	10	ug/Kg	01/21/12	nicollez
Tert-amylmethylether (TAME)	ND	1	0.19	5	ug/Kg	01/21/12	nicollez
Tert-butylbenzene	ND	1	0.18	5	ug/Kg	01/21/12	nicollez
Tetrachloroethene	ND	1	0.2	5	ug/Kg	01/21/12	nicollez
Toluene	220	1	0.23	5	ug/Kg	01/21/12	nicollez
trans-1,2-dichloroethene	ND	1	0.23	5	ug/Kg	01/21/12	nicollez
trans-1,3-dichloropropene	ND	1	0.14	5	ug/Kg	01/21/12	nicollez
trans-1,4-dichloro-2-butene	ND	1	0.38	5	ug/Kg	01/21/12	nicollez
Trichloroethene	ND	1	0.39	5	ug/Kg	01/21/12	nicollez
Trichlorofluoromethane	ND	1	0.25	5	ug/Kg	01/21/12	nicollez
Vinyl Chloride	ND	1	0.18	5	ug/Kg	01/21/12	nicollez
Xylenes (Total)	51	1	0.45	5	ug/Kg	01/21/12	nicollez

Surrogates for Method EPA 8260B By Prep MethodEPA 5035

Analytes	Percent Recovery	Control Limits
1,2-Dichloroethane-d4 (SUR)	118	70-145
4-Bromofluorobenzene (SUR)	127	70-145
Dibromodifluoromethane (SUR)	107	70-145
Toluene-d8 (SUR)	123	70-145

Method: EPA 8310 Prep Method: EPA 3545 QCBatchID: QC1122639

Naphthalene	ND	5	0.28	2.5	mg/Kg	01/24/12	qnguyen
Acenaphthylene	ND	5	0.088	2.5	mg/Kg	01/24/12	qnguyen
Acenaphthene	ND	5	0.04	2.5	mg/Kg	01/24/12	qnguyen
Fluorene	ND	5	0.008	0.75	mg/Kg	01/24/12	qnguyen
Phenanthrene	ND	5	0.005	0.5	mg/Kg	01/24/12	qnguyen
Anthracene	ND	5	0.003	0.25	mg/Kg	01/24/12	qnguyen
Fluoranthene	ND	5	0.004	0.25	mg/Kg	01/24/12	qnguyen
Pyrene	0.37	5	0.003	0.25	mg/Kg	01/24/12	qnguyen
Benz(a)anthracene	ND	5	0.002	0.25	mg/Kg	01/24/12	qnguyen
Chrysene	ND	5	0.002	0.25	mg/Kg	01/24/12	qnguyen
Benzo(b)fluoranthene	ND	5	0.003	0.25	mg/Kg	01/24/12	qnguyen
Benzo(k)fluoranthene	ND	5	0.005	0.25	mg/Kg	01/24/12	qnguyen
Benzo(a)pyrene	ND	5	0.005	0.25	mg/Kg	01/24/12	qnguyen
Dibenz(a,h)anthracene	ND	5	0.003	0.25	mg/Kg	01/24/12	qnguyen
Benzo(g,h,i)perylene	ND	5	0.004	0.25	mg/Kg	01/24/12	qnguyen
Indeno(1,2,3-cd)pyrene	ND	5	0.003	0.25	mg/Kg	01/24/12	qnguyen

Surrogates for Method EPA 8310 By Prep MethodEPA 3545

Analytes	Percent Recovery	Control Limits
p-Terphenyl (SUR)	82	55-140

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

Sample #:	297883-003	Client:	Advanced Environmental Concepts Inc.
Matrix:	Water	Client Sample #:	B-1W
Collect Date:	01/17/12	Site:	
Collect Time:		Collector:	Client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Method: EPA 6010B	Prep Method:				QCBatchID:	QC1122523	
Antimony	0.512	5	0.08	0.1	mg/L	01/19/12	nina
Arsenic	0.834	5	0.02	0.05	mg/L	01/19/12	nina
Barium	31.1	5	0.005	0.05	mg/L	01/19/12	nina
Beryllium	0.010J	5	0.005	0.025	mg/L	01/19/12	nina
Cadmium	0.051	5	0.005	0.025	mg/L	01/19/12	nina
Chromium	0.772	5	0.01	0.05	mg/L	01/19/12	nina
Cobalt	0.200	5	0.005	0.025	mg/L	01/19/12	nina
Copper	2.75	5	0.005	0.05	mg/L	01/19/12	nina
Lead	9.55	5	0.02	0.025	mg/L	01/19/12	nina
Molybdenum	0.147	5	0.01	0.05	mg/L	01/19/12	nina
Nickel	0.462	5	0.005	0.1	mg/L	01/19/12	nina
Selenium	ND	5	0.02	0.05	mg/L	01/19/12	nina
Silver	0.020J	5	0.005	0.025	mg/L	01/19/12	nina
Thallium	0.032	5	0.015	0.025	mg/L	01/19/12	nina
Vanadium	0.404	5	0.015	0.025	mg/L	01/19/12	nina
Zinc	55.7	5	0.01	0.1	mg/L	01/19/12	nina
Method: EPA 7470A	Prep Method:				QCBatchID:	QC1122491	
Mercury	3.00	1	0.05	0.4	ug/L	01/18/12	metha
Method: EPA 8015B	Prep Method: EPA 3510C				QCBatchID:	QC1122487	
TPH (C8 to C10)	ND	5	0.06	1	mg/L	01/18/12	anca
TPH (C10 to C22)	1.0J	5	0.04	1	mg/L	01/18/12	anca
TPH (C22 to C36)	2.00	5	0.07	1.5	mg/L	01/18/12	anca

Surrogates for Method EPA 8015B By Prep MethodEPA 3510C

Analytes	Percent Recovery	Control Limits
Triacontane (SUR)	99	60-140

Method: EPA 8082	Prep Method: EPA 3510C				QCBatchID:	QC1122555	
PCB-1221	ND	2	0.24	0.5	ug/L	01/20/12	andrewk
PCB-1016	ND	2	0.13	0.5	ug/L	01/20/12	andrewk
PCB-1232	ND	2	0.12	0.5	ug/L	01/20/12	andrewk
PCB-1242	ND	2	0.071	0.5	ug/L	01/20/12	andrewk
PCB-1248	ND	2	0.12	0.5	ug/L	01/20/12	andrewk
PCB-1254	ND	2	0.084	0.5	ug/L	01/20/12	andrewk
PCB-1260	ND	2	0.082	0.5	ug/L	01/20/12	andrewk
PCB-1262	ND	2	0.083	0.5	ug/L	01/20/12	andrewk
PCB-1268	ND	2	0.039	0.5	ug/L	01/20/12	andrewk

Surrogates for Method EPA 8082 By Prep MethodEPA 3510C

Analytes	Percent Recovery	Control Limits
Decachlorobiphenyl DCB (SUR)	28	23-100

Method: EPA 8260B	Prep Method: EPA 5030B				QCBatchID:	QC1122524	
1,1,1,2-Tetrachloroethane	ND	1	0.25	5	ug/L	01/19/12	ryanp
1,1,1-Trichloroethane	ND	1	0.38	5	ug/L	01/19/12	ryanp
1,1,2,2-Tetrachloroethane	ND	1	0.25	5	ug/L	01/19/12	ryanp
1,1,2-Trichloroethane	ND	1	0.25	5	ug/L	01/19/12	ryanp
1,1,2-Trichlorotrifluoroethane	ND	1	0.29	5	ug/L	01/19/12	ryanp
1,1-Dichloroethane	ND	1	0.32	5	ug/L	01/19/12	ryanp

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

Sample #:	297883-003	Client:	Advanced Environmental Concepts Inc.
Matrix:	Water	Client Sample #:	B-1W
Collect Date:	01/17/12	Site:	
Collect Time:		Collector:	Client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
1,1-Dichloroethene	ND	1	0.3	5	ug/L	01/19/12	ryanp
1,1-Dichloropropene	ND	1	0.25	5	ug/L	01/19/12	ryanp
1,2,3-Trichlorobenzene	ND	1	0.28	5	ug/L	01/19/12	ryanp
1,2,3-Trichloropropane	ND	1	0.16	5	ug/L	01/19/12	ryanp
1,2,4-Trichlorobenzene	ND	1	0.27	5	ug/L	01/19/12	ryanp
1,2,4-Trimethylbenzene	38	1	0.28	5	ug/L	01/19/12	ryanp
1,2-Dibromo-3-chloropropane	ND	1	0.12	5	ug/L	01/19/12	ryanp
1,2-Dibromoethane	ND	1	0.19	5	ug/L	01/19/12	ryanp
1,2-Dichlorobenzene	ND	1	0.28	5	ug/L	01/19/12	ryanp
1,2-Dichloroethane	ND	1	0.2	5	ug/L	01/19/12	ryanp
1,2-Dichloropropane	ND	1	0.36	5	ug/L	01/19/12	ryanp
1,3,5-Trimethylbenzene	7.9	1	0.24	5	ug/L	01/19/12	ryanp
1,3-Dichlorobenzene	ND	1	0.34	5	ug/L	01/19/12	ryanp
1,3-Dichloropropane	ND	1	0.19	5	ug/L	01/19/12	ryanp
1,4-Dichlorobenzene	7.1	1	0.43	5	ug/L	01/19/12	ryanp
2,2-Dichloropropane	ND	1	0.32	5	ug/L	01/19/12	ryanp
2-Butanone (MEK)	ND	1	0.78	100	ug/L	01/19/12	ryanp
2-Chloroethyl Vinyl Ether	ND	1	0.23	5	ug/L	01/19/12	ryanp
2-Chlorotoluene	ND	1	0.33	5	ug/L	01/19/12	ryanp
4-Chlorotoluene	ND	1	0.31	5	ug/L	01/19/12	ryanp
4-Isopropyltoluene	46	1	0.32	5	ug/L	01/19/12	ryanp
4-Methyl-2-pentanone (MIBK)	ND	1	0.12	5	ug/L	01/19/12	ryanp
Acetone	ND	1	10	100	ug/L	01/19/12	ryanp
Allyl Chloride	ND	1	0.19	5	ug/L	01/19/12	ryanp
Benzene	3.7	1	0.18	1	ug/L	01/19/12	ryanp
Bromobenzene	ND	1	0.53	5	ug/L	01/19/12	ryanp
Bromochloromethane	ND	1	0.17	5	ug/L	01/19/12	ryanp
Bromodichloromethane	ND	1	0.31	5	ug/L	01/19/12	ryanp
Bromoform	ND	1	0.13	5	ug/L	01/19/12	ryanp
Bromomethane	ND	1	0.08	5	ug/L	01/19/12	ryanp
Carbon Tetrachloride	ND	1	0.27	5	ug/L	01/19/12	ryanp
Chlorobenzene	ND	1	0.19	5	ug/L	01/19/12	ryanp
Chlorodibromomethane	ND	1	0.21	5	ug/L	01/19/12	ryanp
Chloroethane	ND	1	0.45	5	ug/L	01/19/12	ryanp
Chloroform	ND	1	0.18	5	ug/L	01/19/12	ryanp
Chloromethane	ND	1	0.27	5	ug/L	01/19/12	ryanp
cis-1,2-Dichloroethene	ND	1	0.27	5	ug/L	01/19/12	ryanp
cis-1,3-dichloropropene	ND	1	0.25	5	ug/L	01/19/12	ryanp
cis-1,4-dichloro-2-butene	ND	1	0.17	5	ug/L	01/19/12	ryanp
Dibromomethane	ND	1	0.23	5	ug/L	01/19/12	ryanp
Dichlorodifluoromethane	ND	1	0.33	5	ug/L	01/19/12	ryanp
Di-isopropyl ether (DIPE)	ND	1	0.2	1	ug/L	01/19/12	ryanp
Ethylbenzene	21	1	0.21	5	ug/L	01/19/12	ryanp
Ethyl-tertbutylether (ETBE)	ND	1	0.23	1	ug/L	01/19/12	ryanp
Hexachlorobutadiene	ND	1	0.51	5	ug/L	01/19/12	ryanp
Isopropylbenzene	1.9J	1	0.24	5	ug/L	01/19/12	ryanp
m and p-Xylene	28	1	0.45	5	ug/L	01/19/12	ryanp
Methylene chloride	ND	1	0.16	5	ug/L	01/19/12	ryanp
Methyl-t-butyl Ether (MTBE)	ND	1	0.19	1	ug/L	01/19/12	ryanp

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

Sample #:	297883-003	Client:	Advanced Environmental Concepts Inc.
Matrix:	Water	Client Sample #:	B-1W
Collect Date:	01/17/12	Site:	
Collect Time:		Collector:	Client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Naphthalene	150	1	0.25	5	ug/L	01/19/12	ryanp
N-butylbenzene	ND	1	0.25	5	ug/L	01/19/12	ryanp
N-propylbenzene	2.8J	1	0.31	5	ug/L	01/19/12	ryanp
o-Xylene	19	1	0.29	5	ug/L	01/19/12	ryanp
Sec-butylbenzene	1.4J	1	0.32	5	ug/L	01/19/12	ryanp
Styrene	ND	1	0.22	5	ug/L	01/19/12	ryanp
t-Butyl alcohol (TBA)	24	1	5.2	10	ug/L	01/19/12	ryanp
Tert-amylmethylether (TAME)	ND	1	0.19	1	ug/L	01/19/12	ryanp
Tert-butylbenzene	ND	1	0.4	5	ug/L	01/19/12	ryanp
Tetrachloroethene	ND	1	0.8	5	ug/L	01/19/12	ryanp
Toluene	37	1	0.24	5	ug/L	01/19/12	ryanp
trans-1,2-dichloroethane	ND	1	0.33	5	ug/L	01/19/12	ryanp
trans-1,3-dichloropropene	ND	1	0.23	5	ug/L	01/19/12	ryanp
trans-1,4-dichloro-2-butene	ND	1	0.17	5	ug/L	01/19/12	ryanp
Trichloroethene	ND	1	0.39	5	ug/L	01/19/12	ryanp
Trichlorofluoromethane	ND	1	0.25	5	ug/L	01/19/12	ryanp
Vinyl Chloride	ND	1	0.18	5	ug/L	01/19/12	ryanp
Xylenes (Total)	47	1	0.45	5	ug/L	01/19/12	ryanp

Surrogates for Method EPA 8260B By Prep MethodEPA 5030B

Analytes	Percent Recovery	Control Limits
1,2-Dichloroethane-d4 (SUR)	120	70-145
4-Bromofluorobenzene (SUR)	116	70-145
Dibromodifluoromethane (SUR)	100	70-145
Toluene-d8 (SUR)	99	70-145

Method: EPA 8310 Prep Method: EPA 3510C QCBatchID: QC1122652

Naphthalene	33	1	2.1	10	ug/L	01/23/12	qnguyen
Acenaphthylene	ND	1	3.2	15	ug/L	01/23/12	qnguyen
Acenaphthene	ND	1	1.9	10	ug/L	01/23/12	qnguyen
Fluorene	ND	1	0.3	1.5	ug/L	01/23/12	qnguyen
Phenanthrene	0.65	1	0.1	0.5	ug/L	01/23/12	qnguyen
Anthracene	ND	1	0.1	0.5	ug/L	01/23/12	qnguyen
Fluoranthene	ND	1	0.2	1	ug/L	01/23/12	qnguyen
Pyrene	ND	1	0.1	0.5	ug/L	01/23/12	qnguyen
Benz(a)anthracene	ND	1	0.1	0.5	ug/L	01/23/12	qnguyen
Chrysene	ND	1	0.1	0.5	ug/L	01/23/12	qnguyen
Benzo(b)fluoranthene	ND	1	0.1	1	ug/L	01/23/12	qnguyen
Benzo(k)fluoranthene	ND	1	0.1	0.5	ug/L	01/23/12	qnguyen
Benzo(a)pyrene	ND	1	0.1	0.5	ug/L	01/23/12	qnguyen
Dibenz(a,h)anthracene	ND	1	0.2	1	ug/L	01/23/12	qnguyen
Benzo(g,h,i)perylene	ND	1	0.2	1	ug/L	01/23/12	qnguyen
Indeno(1,2,3-cd)pyrene	ND	1	0.1	0.5	ug/L	01/23/12	qnguyen

Surrogates for Method EPA 8310 By Prep MethodEPA 3510C

Analytes	Percent Recovery	Control Limits
p-Terphenyl (SUR)	105	50-135

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

Sample #:	297883-004	Client:	Advanced Environmental Concepts Inc.
Matrix:	Solid	Client Sample #:	B-1-38'
Collect Date:	01/17/12	Site:	
Collect Time:		Collector:	Client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Method: EPA 6010B	Prep Method:				QCBatchID:	QC1122535	
Antimony	ND	1	0.37	3	mg/Kg	01/20/12	nina
Arsenic	0.9J	1	0.36	1	mg/Kg	01/20/12	nina
Barium	25.6	1	0.23	1	mg/Kg	01/20/12	nina
Beryllium	0.3J	1	0.17	0.5	mg/Kg	01/20/12	nina
Cadmium	ND	1	0.21	0.5	mg/Kg	01/20/12	nina
Chromium	7.68	1	0.13	1	mg/Kg	01/20/12	nina
Cobalt	5.04	1	0.19	0.5	mg/Kg	01/20/12	nina
Copper	4.04	1	0.31	1	mg/Kg	01/20/12	nina
Lead	2.69	1	0.32	0.5	mg/Kg	01/20/12	nina
Molybdenum	0.4J	1	0.13	1	mg/Kg	01/20/12	nina
Nickel	5.51	1	0.2	1.5	mg/Kg	01/20/12	nina
Selenium	ND	1	0.72	1	mg/Kg	01/20/12	nina
Silver	0.1J	1	0.13	0.5	mg/Kg	01/20/12	nina
Thallium	ND	1	0.42	1	mg/Kg	01/20/12	nina
Vanadium	14.9	1	0.37	0.5	mg/Kg	01/20/12	nina
Zinc	25.0	1	0.28	5	mg/Kg	01/20/12	nina
Method: EPA 7471A	Prep Method:				QCBatchID:	QC1122553	
Mercury	ND	1	0.02	0.14	mg/Kg	01/20/12	metha
Method: EPA 8015B	Prep Method: EPA 3545				QCBatchID:	QC1122568	
TPH (C6 to C10)	ND	1	1.7	3	mg/Kg	01/20/12	anca
TPH (C10 to C22)	ND	1	0.4	3	mg/Kg	01/20/12	anca
TPH (C22 to C36)	ND	1	2.1	5	mg/Kg	01/20/12	anca

Surrogates for Method EPA 8015B By Prep MethodEPA 3545

Analytes	Percent Recovery	Control Limits
Triacontane (SUR)	117	60-140

Method: EPA 8082	Prep Method: EPA 3545				QCBatchID:	QC1122630	
PCB-1016	ND	1	0.018	0.05	mg/Kg	01/25/12	andrewk
PCB-1221	ND	1	0.014	0.05	mg/Kg	01/25/12	andrewk
PCB-1232	ND	1	0.018	0.05	mg/Kg	01/25/12	andrewk
PCB-1242	ND	1	0.0073	0.05	mg/Kg	01/25/12	andrewk
PCB-1248	ND	1	0.0066	0.05	mg/Kg	01/25/12	andrewk
PCB-1254	ND	1	0.01	0.05	mg/Kg	01/25/12	andrewk
PCB-1260	ND	1	0.018	0.05	mg/Kg	01/25/12	andrewk
PCB-1262	ND	1	0.02	0.05	mg/Kg	01/25/12	andrewk
PCB-1268	ND	1	0.011	0.05	mg/Kg	01/25/12	andrewk

Surrogates for Method EPA 8082 By Prep MethodEPA 3545

Analytes	Percent Recovery	Control Limits
Decachlorobiphenyl DCB (SUR)	92	36-136

Method: EPA 8260B	Prep Method: EPA 5035				QCBatchID:		
1,1,1,2-Tetrachloroethane	ND	1	0.24	5	ug/Kg	01/25/12	nicollez
1,1,1-Trichloroethane	ND	1	0.15	5	ug/Kg	01/25/12	nicollez
1,1,2,2-Tetrachloroethane	ND	1	0.29	5	ug/Kg	01/25/12	nicollez
1,1,2-Trichloroethane	ND	1	0.22	5	ug/Kg	01/25/12	nicollez
1,1,2-Trichlorotrifluoroethane	ND	1	0.74	5	ug/Kg	01/25/12	nicollez
1,1-Dichloroethane	ND	1	0.23	5	ug/Kg	01/25/12	nicollez

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

Sample #:	297883-004	Client:	Advanced Environmental Concepts Inc.
Matrix:	Solid	Client Sample #:	B-1-38'
Collect Date:	01/17/12	Site:	
Collect Time:		Collector:	Client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
1,1-Dichloroethene	ND	1	0.18	5	ug/Kg	01/25/12	nicollez
1,1-Dichloropropene	ND	1	0.21	5	ug/Kg	01/25/12	nicollez
1,2,3-Trichlorobenzene	ND	1	0.18	5	ug/Kg	01/25/12	nicollez
1,2,3-Trichloropropane	ND	1	0.2	5	ug/Kg	01/25/12	nicollez
1,2,4-Trichlorobenzene	ND	1	0.33	5	ug/Kg	01/25/12	nicollez
1,2,4-Trimethylbenzene	ND	1	0.28	5	ug/Kg	01/25/12	nicollez
1,2-Dibromo-3-chloropropane	ND	1	0.2	5	ug/Kg	01/25/12	nicollez
1,2-Dibromoethane	ND	1	0.12	5	ug/Kg	01/25/12	nicollez
1,2-Dichlorobenzene	ND	1	0.18	5	ug/Kg	01/25/12	nicollez
1,2-Dichloroethane	ND	1	0.14	5	ug/Kg	01/25/12	nicollez
1,2-Dichloropropane	ND	1	0.34	5	ug/Kg	01/25/12	nicollez
1,3,5-Trimethylbenzene	ND	1	0.23	5	ug/Kg	01/25/12	nicollez
1,3-Dichlorobenzene	ND	1	0.21	5	ug/Kg	01/25/12	nicollez
1,3-Dichloropropane	ND	1	0.19	5	ug/Kg	01/25/12	nicollez
1,4-Dichlorobenzene	ND	1	0.24	5	ug/Kg	01/25/12	nicollez
2,2-Dichloropropane	ND	1	0.19	5	ug/Kg	01/25/12	nicollez
2-Butanone (MEK)	ND	1	0.72	100	ug/Kg	01/25/12	nicollez
2-Chloroethyl Vinyl Ether	ND	1	0.3	5	ug/Kg	01/25/12	nicollez
2-Chlorotoluene	ND	1	0.25	5	ug/Kg	01/25/12	nicollez
4-Chlorotoluene	ND	1	0.22	5	ug/Kg	01/25/12	nicollez
4-Isopropyltoluene	ND	1	0.27	5	ug/Kg	01/25/12	nicollez
4-Methyl-2-pentanone (MIBK)	ND	1	0.17	5	ug/Kg	01/25/12	nicollez
Acetone	ND	1	10	100	ug/Kg	01/25/12	nicollez
Allyl Chloride	ND	1	0.14	5	ug/Kg	01/25/12	nicollez
Benzene	ND	1	0.18	5	ug/Kg	01/25/12	nicollez
Bromobenzene	ND	1	0.3	5	ug/Kg	01/25/12	nicollez
Bromochloromethane	ND	1	0.18	5	ug/Kg	01/25/12	nicollez
Bromodichloromethane	ND	1	0.2	5	ug/Kg	01/25/12	nicollez
Bromoform	ND	1	0.19	5	ug/Kg	01/25/12	nicollez
Bromomethane	ND	1	0.22	5	ug/Kg	01/25/12	nicollez
Carbon Tetrachloride	ND	1	0.18	5	ug/Kg	01/25/12	nicollez
Chlorobenzene	ND	1	0.18	5	ug/Kg	01/25/12	nicollez
Chlorodibromomethane	ND	1	0.19	5	ug/Kg	01/25/12	nicollez
Chloroethane	ND	1	0.2	5	ug/Kg	01/25/12	nicollez
Chloroform	ND	1	0.17	5	ug/Kg	01/25/12	nicollez
Chloromethane	ND	1	0.21	5	ug/Kg	01/25/12	nicollez
cis-1,2-Dichloroethene	ND	1	0.2	5	ug/Kg	01/25/12	nicollez
cis-1,3-dichloropropene	ND	1	0.2	5	ug/Kg	01/25/12	nicollez
cis-1,4-dichloro-2-butene	ND	1	0.2	5	ug/Kg	01/25/12	nicollez
Dibromomethane	ND	1	0.23	5	ug/Kg	01/25/12	nicollez
Dichlorodifluoromethane	ND	1	0.23	5	ug/Kg	01/25/12	nicollez
Di-isopropyl ether (DIPE)	ND	1	0.21	5	ug/Kg	01/25/12	nicollez
Ethylbenzene	ND	1	0.25	5	ug/Kg	01/25/12	nicollez
Ethyl-tertbutylether (ETBE)	ND	1	0.42	5	ug/Kg	01/25/12	nicollez
Hexachlorobutadiene	ND	1	0.38	5	ug/Kg	01/25/12	nicollez
Isopropylbenzene	ND	1	0.17	5	ug/Kg	01/25/12	nicollez
m and p-Xylene	ND	1	0.21	5	ug/Kg	01/25/12	nicollez
Methylene chloride	ND	1	0.22	5	ug/Kg	01/25/12	nicollez
Methyl-t-butyl Ether (MTBE)	ND	1	0.25	5	ug/Kg	01/25/12	nicollez

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

Sample #:	297883-004	Client:	Advanced Environmental Concepts Inc.
Matrix:	Solid	Client Sample #:	B-1-38'
Collect Date:	01/17/12	Site:	
Collect Time:		Collector:	Client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Naphthalene	ND	1	0.28	5	ug/Kg	01/25/12	nicollez
N-butylbenzene	ND	1	0.16	5	ug/Kg	01/25/12	nicollez
N-propylbenzene	ND	1	0.19	5	ug/Kg	01/25/12	nicollez
o-Xylene	ND	1	0.13	5	ug/Kg	01/25/12	nicollez
Sec-butylbenzene	ND	1	0.34	5	ug/Kg	01/25/12	nicollez
Styrene	ND	1	0.23	5	ug/Kg	01/25/12	nicollez
t-Butyl alcohol (TBA)	ND	1	8.8	10	ug/Kg	01/25/12	nicollez
Tert-amylmethylether (TAME)	ND	1	0.19	5	ug/Kg	01/25/12	nicollez
Tert-butylbenzene	ND	1	0.18	5	ug/Kg	01/25/12	nicollez
Tetrachloroethene	ND	1	0.2	5	ug/Kg	01/25/12	nicollez
Toluene	ND	1	0.23	5	ug/Kg	01/25/12	nicollez
trans-1,2-dichloroethene	ND	1	0.23	5	ug/Kg	01/25/12	nicollez
trans-1,3-dichloropropene	ND	1	0.14	5	ug/Kg	01/25/12	nicollez
trans-1,4-dichloro-2-butene	ND	1	0.38	5	ug/Kg	01/25/12	nicollez
Trichloroethene	ND	1	0.39	5	ug/Kg	01/25/12	nicollez
Trichlorofluoromethane	ND	1	0.25	5	ug/Kg	01/25/12	nicollez
Vinyl Chloride	ND	1	0.18	5	ug/Kg	01/25/12	nicollez
Xylenes (Total)	ND	1	0.45	5	ug/Kg	01/25/12	nicollez

Surrogates for Method EPA 8260B By Prep MethodEPA 5035

Analytes	Percent Recovery	Control Limits
1,2-Dichloroethane-d4 (SUR)	98	70-145
4-Bromofluorobenzene (SUR)	101	70-145
Dibromodifluoromethane (SUR)	97	70-145
Toluene-d8 (SUR)	104	70-145

Method: EPA 8310 Prep Method: EPA 3545 QCBatchID: QC1122639

Naphthalene	ND	1	0.28	0.5	mg/Kg	01/23/12	qnguyen
Acenaphthylene	ND	1	0.088	0.5	mg/Kg	01/23/12	qnguyen
Acenaphthene	ND	1	0.04	0.5	mg/Kg	01/23/12	qnguyen
Fluorene	ND	1	0.008	0.15	mg/Kg	01/23/12	qnguyen
Phenanthrene	ND	1	0.005	0.1	mg/Kg	01/23/12	qnguyen
Anthracene	ND	1	0.003	0.05	mg/Kg	01/23/12	qnguyen
Fluoranthene	ND	1	0.004	0.05	mg/Kg	01/23/12	qnguyen
Pyrene	ND	1	0.003	0.05	mg/Kg	01/23/12	qnguyen
Benz(a)anthracene	ND	1	0.002	0.05	mg/Kg	01/23/12	qnguyen
Chrysene	ND	1	0.002	0.05	mg/Kg	01/23/12	qnguyen
Benzo(b)fluoranthene	ND	1	0.003	0.05	mg/Kg	01/23/12	qnguyen
Benzo(k)fluoranthene	ND	1	0.005	0.05	mg/Kg	01/23/12	qnguyen
Benzo(a)pyrene	ND	1	0.005	0.05	mg/Kg	01/23/12	qnguyen
Dibenz(a,h)anthracene	ND	1	0.003	0.05	mg/Kg	01/23/12	qnguyen
Benzo(g,h,i)perylene	ND	1	0.004	0.05	mg/Kg	01/23/12	qnguyen
Indeno(1,2,3-cd)pyrene	ND	1	0.003	0.05	mg/Kg	01/23/12	qnguyen

Surrogates for Method EPA 8310 By Prep MethodEPA 3545

Analytes	Percent Recovery	Control Limits
p-Terphenyl (SUR)	103	55-140

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

Sample #:	297883-005	Client:	Advanced Environmental Concepts Inc.
Matrix:	Solid	Client Sample #:	B-2-5'
Collect Date:	01/17/12	Site:	
Collect Time:		Collector:	Client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Method: EPA 6010B — Prep Method: EPA 3050B — QCBatchID: QC1122535							
Lead	5.78	1	0.32	0.5	mg/Kg	01/20/12	nina
Method: EPA 8015B — Prep Method: EPA 3545 — QCBatchID: QC1122568							
TPH (C6 to C10)	ND	1	1.7	3	mg/Kg	01/20/12	anca
TPH (C10 to C22)	ND	1	0.4	3	mg/Kg	01/20/12	anca
TPH (C22 to C36)	ND	1	2.1	5	mg/Kg	01/20/12	anca

Surrogates for Method EPA 8015B By Prep MethodEPA 3545

Analytes	Percent Recovery	Control Limits
Triacontane (SUR)	80	60-140

Method: EPA 8260B — Prep Method: EPA 5035 — QCBatchID:							
1,1,1,2-Tetrachloroethane	ND	1	0.24	5	ug/Kg	01/25/12	nicollez
1,1,1-Trichloroethane	ND	1	0.16	5	ug/Kg	01/25/12	nicollez
1,1,2,2-Tetrachloroethane	ND	1	0.29	5	ug/Kg	01/25/12	nicollez
1,1,2-Trichloroethane	ND	1	0.22	5	ug/Kg	01/25/12	nicollez
1,1,2-Trichlorotrifluoroethane	ND	1	0.74	5	ug/Kg	01/25/12	nicollez
1,1-Dichloroethane	ND	1	0.23	5	ug/Kg	01/25/12	nicollez
1,1-Dichloroethene	ND	1	0.18	5	ug/Kg	01/25/12	nicollez
1,1-Dichloropropene	ND	1	0.21	5	ug/Kg	01/25/12	nicollez
1,2,3-Trichlorobenzene	ND	1	0.18	5	ug/Kg	01/25/12	nicollez
1,2,3-Trichloropropane	ND	1	0.2	5	ug/Kg	01/25/12	nicollez
1,2,4-Trichlorobenzene	ND	1	0.33	5	ug/Kg	01/25/12	nicollez
1,2,4-Trimethylbenzene	ND	1	0.26	5	ug/Kg	01/25/12	nicollez
1,2-Dibromo-3-chloropropane	ND	1	0.2	5	ug/Kg	01/25/12	nicollez
1,2-Dibromoethane	ND	1	0.12	5	ug/Kg	01/25/12	nicollez
1,2-Dichlorobenzene	ND	1	0.18	5	ug/Kg	01/25/12	nicollez
1,2-Dichloroethane	ND	1	0.14	5	ug/Kg	01/25/12	nicollez
1,2-Dichloropropane	ND	1	0.34	5	ug/Kg	01/25/12	nicollez
1,3,5-Trimethylbenzene	ND	1	0.23	5	ug/Kg	01/25/12	nicollez
1,3-Dichlorobenzene	ND	1	0.21	5	ug/Kg	01/25/12	nicollez
1,3-Dichloropropane	ND	1	0.19	5	ug/Kg	01/25/12	nicollez
1,4-Dichlorobenzene	ND	1	0.24	5	ug/Kg	01/25/12	nicollez
2,2-Dichloropropane	ND	1	0.19	5	ug/Kg	01/25/12	nicollez
2-Butanone (MEK)	ND	1	0.72	100	ug/Kg	01/25/12	nicollez
2-Chloroethyl Vinyl Ether	ND	1	0.3	5	ug/Kg	01/25/12	nicollez
2-Chlorotoluene	ND	1	0.25	5	ug/Kg	01/25/12	nicollez
4-Chlorotoluene	ND	1	0.22	5	ug/Kg	01/25/12	nicollez
4-Isopropyltoluene	ND	1	0.27	5	ug/Kg	01/25/12	nicollez
4-Methyl-2-pentanone (MIBK)	ND	1	0.17	5	ug/Kg	01/25/12	nicollez
Acetone	ND	1	10	100	ug/Kg	01/25/12	nicollez
Allyl Chloride	ND	1	0.14	5	ug/Kg	01/25/12	nicollez
Benzene	ND	1	0.18	5	ug/Kg	01/25/12	nicollez
Bromobenzene	ND	1	0.3	5	ug/Kg	01/25/12	nicollez
Bromochloromethane	ND	1	0.18	5	ug/Kg	01/25/12	nicollez
Bromodichloromethane	ND	1	0.2	5	ug/Kg	01/25/12	nicollez
Bromoform	ND	1	0.19	5	ug/Kg	01/25/12	nicollez
Bromomethane	ND	1	0.22	5	ug/Kg	01/25/12	nicollez
Carbon Tetrachloride	ND	1	0.18	5	ug/Kg	01/25/12	nicollez
Chlorobenzene	ND	1	0.18	5	ug/Kg	01/25/12	nicollez

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

Sample #:	297883-005	Client:	Advanced Environmental Concepts Inc.
Matrix:	Solid	Client Sample #:	B-2-5'
Collect Date:	01/17/12	Site:	
Collect Time:		Collector:	Client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Chlorodibromomethane	ND	1	0.19	5	ug/Kg	01/25/12	nicoltez
Chloroethane	ND	1	0.2	5	ug/Kg	01/25/12	nicoltez
Chloroform	ND	1	0.17	5	ug/Kg	01/25/12	nicoltez
Chloromethane	ND	1	0.21	5	ug/Kg	01/25/12	nicoltez
cis-1,2-Dichloroethene	ND	1	0.2	5	ug/Kg	01/25/12	nicoltez
cis-1,3-dichloropropene	ND	1	0.2	5	ug/Kg	01/25/12	nicoltez
cis-1,4-dichloro-2-butene	ND	1	0.2	5	ug/Kg	01/25/12	nicoltez
Dibromomethane	ND	1	0.23	5	ug/Kg	01/25/12	nicoltez
Dichlorodifluoromethane	ND	1	0.23	5	ug/Kg	01/25/12	nicoltez
Di-Isopropyl ether (DIPE)	ND	1	0.21	5	ug/Kg	01/25/12	nicoltez
Ethylbenzene	ND	1	0.25	5	ug/Kg	01/25/12	nicoltez
Ethyl-tertbutylether (ETBE)	ND	1	0.42	5	ug/Kg	01/25/12	nicoltez
Hexachlorobutadiene	ND	1	0.38	5	ug/Kg	01/25/12	nicoltez
Isopropylbenzene	ND	1	0.17	5	ug/Kg	01/25/12	nicoltez
m and p-Xylene	ND	1	0.21	5	ug/Kg	01/25/12	nicoltez
Methylene chloride	ND	1	0.22	5	ug/Kg	01/25/12	nicoltez
Methyl-t-butyl Ether (MTBE)	ND	1	0.25	5	ug/Kg	01/25/12	nicoltez
Naphthalene	ND	1	0.28	5	ug/Kg	01/25/12	nicoltez
N-butylbenzene	ND	1	0.16	5	ug/Kg	01/25/12	nicoltez
N-propylbenzene	ND	1	0.19	5	ug/Kg	01/25/12	nicoltez
o-Xylene	ND	1	0.13	5	ug/Kg	01/25/12	nicoltez
Sec-butylbenzene	ND	1	0.34	5	ug/Kg	01/25/12	nicoltez
Styrene	ND	1	0.23	5	ug/Kg	01/25/12	nicoltez
t-Butyl alcohol (TBA)	ND	1	6.8	10	ug/Kg	01/25/12	nicoltez
Tert-amylmethylether (TAME)	ND	1	0.19	5	ug/Kg	01/25/12	nicoltez
Tert-butylbenzene	ND	1	0.18	5	ug/Kg	01/25/12	nicoltez
Tetrachloroethene	ND	1	0.2	5	ug/Kg	01/25/12	nicoltez
Toluene	ND	1	0.23	5	ug/Kg	01/25/12	nicoltez
trans-1,2-dichloroethene	ND	1	0.23	5	ug/Kg	01/25/12	nicoltez
trans-1,3-dichloropropene	ND	1	0.14	5	ug/Kg	01/25/12	nicoltez
trans-1,4-dichloro-2-butene	ND	1	0.38	5	ug/Kg	01/25/12	nicoltez
Trichloroethene	ND	1	0.39	5	ug/Kg	01/25/12	nicoltez
Trichlorofluoromethane	ND	1	0.25	5	ug/Kg	01/25/12	nicoltez
Vinyl Chloride	ND	1	0.18	5	ug/Kg	01/25/12	nicoltez
Xylenes (Total)	ND	1	0.45	5	ug/Kg	01/25/12	nicoltez

Surrogates for Method EPA 8260B By Prep MethodEPA 5035

Analytes	Percent Recovery	Control Limits
1,2-Dichloroethane-d4 (SUR)	90	70-145
4-Bromofluorobenzene (SUR)	101	70-145
Dibromodifluoromethane (SUR)	94	70-145
Toluene-d8 (SUR)	103	70-145

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

Sample #:	297883-006	Client:	Advanced Environmental Concepts Inc.
Matrix:	Solid	Client Sample #:	B-2-10'
Collect Date:	01/17/12	Site:	
Collect Time:		Collector:	Client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Method: EPA 6010B	Prep Method:				QCBatchID:	QC1122535	
Antimony	ND	1	0.37	3	mg/Kg	01/20/12	nina
Arsenic	1.15	1	0.36	1	mg/Kg	01/20/12	nina
Barium	85.7	1	0.23	1	mg/Kg	01/20/12	nina
Beryllium	0.7	1	0.17	0.5	mg/Kg	01/20/12	nina
Cadmium	0.3J	1	0.21	0.5	mg/Kg	01/20/12	nina
Chromium	19.9	1	0.13	1	mg/Kg	01/20/12	nina
Cobalt	10.5	1	0.19	0.5	mg/Kg	01/20/12	nina
Copper	11.3	1	0.31	1	mg/Kg	01/20/12	nina
Lead	5.26	1	0.32	0.5	mg/Kg	01/20/12	nina
Molybdenum	0.5J	1	0.13	1	mg/Kg	01/20/12	nina
Nickel	13.9	1	0.2	1.5	mg/Kg	01/20/12	nina
Selenium	ND	1	0.72	1	mg/Kg	01/20/12	nina
Silver	ND	1	0.13	0.5	mg/Kg	01/20/12	nina
Thallium	ND	1	0.42	1	mg/Kg	01/20/12	nina
Vanadium	37.9	1	0.37	0.5	mg/Kg	01/20/12	nina
Zinc	55.4	1	0.28	5	mg/Kg	01/20/12	nina
Method: EPA 7471A	Prep Method:				QCBatchID:	QC1122553	
Mercury	ND	1	0.02	0.14	mg/Kg	01/20/12	melite
Method: EPA 8015B	Prep Method: EPA 3545				QCBatchID:	QC1122568	
TPH (C6 to C10)	ND	1	1.7	3	mg/Kg	01/20/12	anca
TPH (C10 to C22)	ND	1	0.4	3	mg/Kg	01/20/12	anca
TPH (C22 to C36)	13.9	1	2.1	5	mg/Kg	01/20/12	anca

Surrogates for Method EPA 8015B By Prep MethodEPA 3545

Analytes	Percent Recovery	Control Limits
Triacontane (SUR)	98	60-140

Method: EPA 8260B	Prep Method: EPA 5035				QCBatchID:	QC1122637	
1,1,1,2-Tetrachloroethane	ND	1	0.24	5	ug/Kg	01/21/12	nicoltez
1,1,1-Trichloroethane	ND	1	0.15	5	ug/Kg	01/21/12	nicoltez
1,1,2,2-Tetrachloroethane	ND	1	0.29	5	ug/Kg	01/21/12	nicoltez
1,1,2-Trichloroethane	ND	1	0.22	5	ug/Kg	01/21/12	nicoltez
1,1,2-Trichlorotrifluoroethane	ND	1	0.74	5	ug/Kg	01/21/12	nicoltez
1,1-Dichloroethane	ND	1	0.23	5	ug/Kg	01/21/12	nicoltez
1,1-Dichloroethene	ND	1	0.18	5	ug/Kg	01/21/12	nicoltez
1,1-Dichloropropene	ND	1	0.21	5	ug/Kg	01/21/12	nicoltez
1,2,3-Trichlorobenzene	ND	1	0.18	5	ug/Kg	01/21/12	nicoltez
1,2,3-Trichloropropane	ND	1	0.2	5	ug/Kg	01/21/12	nicoltez
1,2,4-Trichlorobenzene	ND	1	0.33	5	ug/Kg	01/21/12	nicoltez
1,2,4-Trimethylbenzene	2.8J	1	0.28	5	ug/Kg	01/21/12	nicoltez
1,2-Dibromo-3-chloropropane	ND	1	0.2	5	ug/Kg	01/21/12	nicoltez
1,2-Dibromoethane	ND	1	0.12	5	ug/Kg	01/21/12	nicoltez
1,2-Dichlorobenzene	ND	1	0.18	5	ug/Kg	01/21/12	nicoltez
1,2-Dichloroethane	ND	1	0.14	5	ug/Kg	01/21/12	nicoltez
1,2-Dichloropropane	ND	1	0.34	5	ug/Kg	01/21/12	nicoltez
1,3,5-Trimethylbenzene	1.6J	1	0.23	5	ug/Kg	01/21/12	nicoltez
1,3-Dichlorobenzene	ND	1	0.21	5	ug/Kg	01/21/12	nicoltez
1,3-Dichloropropane	ND	1	0.19	5	ug/Kg	01/21/12	nicoltez

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

Sample #:	297883-006	Client:	Advanced Environmental Concepts Inc.
Matrix:	Solid	Client Sample #:	B-2-10'
Collect Date:	01/17/12	Site:	
Collect Time:		Collector:	Client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
1,4-Dichlorobenzene	ND	1	0.24	5	ug/Kg	01/21/12	nicollez
2,2-Dichloropropane	ND	1	0.19	5	ug/Kg	01/21/12	nicollez
2-Butanone (MEK)	ND	1	0.72	100	ug/Kg	01/21/12	nicollez
2-Chloroethyl Vinyl Ether	ND	1	0.3	5	ug/Kg	01/21/12	nicollez
2-Chlorotoluene	ND	1	0.25	5	ug/Kg	01/21/12	nicollez
4-Chlorotoluene	ND	1	0.22	5	ug/Kg	01/21/12	nicollez
4-Isopropyltoluene	1.5J	1	0.27	5	ug/Kg	01/21/12	nicollez
4-Methyl-2-pentanone (MIBK)	ND	1	0.17	5	ug/Kg	01/21/12	nicollez
Acetone	ND	1	10	100	ug/Kg	01/21/12	nicollez
Allyl Chloride	ND	1	0.14	5	ug/Kg	01/21/12	nicollez
Benzene	ND	1	0.18	5	ug/Kg	01/21/12	nicollez
Bromobenzene	ND	1	0.3	5	ug/Kg	01/21/12	nicollez
Bromochloromethane	ND	1	0.18	5	ug/Kg	01/21/12	nicollez
Bromodichloromethane	ND	1	0.2	5	ug/Kg	01/21/12	nicollez
Bromoform	ND	1	0.19	5	ug/Kg	01/21/12	nicollez
Bromomethane	ND	1	0.22	5	ug/Kg	01/21/12	nicollez
Carbon Tetrachloride	ND	1	0.18	5	ug/Kg	01/21/12	nicollez
Chlorobenzene	ND	1	0.18	5	ug/Kg	01/21/12	nicollez
Chlorodibromomethane	ND	1	0.19	5	ug/Kg	01/21/12	nicollez
Chloroethane	ND	1	0.2	5	ug/Kg	01/21/12	nicollez
Chloroform	ND	1	0.17	5	ug/Kg	01/21/12	nicollez
Chloromethane	ND	1	0.21	5	ug/Kg	01/21/12	nicollez
cis-1,2-Dichloroethene	ND	1	0.2	5	ug/Kg	01/21/12	nicollez
cis-1,3-dichloropropene	ND	1	0.2	5	ug/Kg	01/21/12	nicollez
cis-1,4-dichloro-2-butene	ND	1	0.2	5	ug/Kg	01/21/12	nicollez
Dibromomethane	ND	1	0.23	5	ug/Kg	01/21/12	nicollez
Dichlorodifluoromethane	ND	1	0.23	5	ug/Kg	01/21/12	nicollez
Di-isopropyl ether (DIPE)	ND	1	0.21	5	ug/Kg	01/21/12	nicollez
Ethylbenzene	ND	1	0.25	5	ug/Kg	01/21/12	nicollez
Ethyl-tertbutylether (ETBE)	ND	1	0.42	5	ug/Kg	01/21/12	nicollez
Hexachlorobutadiene	ND	1	0.38	5	ug/Kg	01/21/12	nicollez
Isopropylbenzene	ND	1	0.17	5	ug/Kg	01/21/12	nicollez
m and p-Xylene	1.1J	1	0.21	5	ug/Kg	01/21/12	nicollez
Methylene chloride	ND	1	0.22	5	ug/Kg	01/21/12	nicollez
Methyl-t-butyl Ether (MTBE)	ND	1	0.25	5	ug/Kg	01/21/12	nicollez
Naphthalene	ND	1	0.28	5	ug/Kg	01/21/12	nicollez
N-butylbenzene	ND	1	0.16	5	ug/Kg	01/21/12	nicollez
N-propylbenzene	ND	1	0.19	5	ug/Kg	01/21/12	nicollez
o-Xylene	1.1J	1	0.13	5	ug/Kg	01/21/12	nicollez
Sec-butylbenzene	ND	1	0.34	5	ug/Kg	01/21/12	nicollez
Styrene	ND	1	0.23	5	ug/Kg	01/21/12	nicollez
t-Butyl alcohol (TBA)	ND	1	8.8	10	ug/Kg	01/21/12	nicollez
Tert-amylmethylether (TAME)	ND	1	0.19	5	ug/Kg	01/21/12	nicollez
Tert-butylbenzene	ND	1	0.18	5	ug/Kg	01/21/12	nicollez
Tetrachloroethene	ND	1	0.2	5	ug/Kg	01/21/12	nicollez
Toluene	1.0J	1	0.23	5	ug/Kg	01/21/12	nicollez
trans-1,2-dichloroethene	ND	1	0.23	5	ug/Kg	01/21/12	nicollez
trans-1,3-dichloropropene	ND	1	0.14	5	ug/Kg	01/21/12	nicollez
trans-1,4-dichloro-2-butene	ND	1	0.38	5	ug/Kg	01/21/12	nicollez

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

Sample #:	207883-006	Client:	Advanced Environmental Concepts Inc.
Matrix:	Solid	Client Sample #:	B-2-10'
Collect Date:	01/17/12	Site:	
Collect Time:		Collector:	Client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Trichloroethene	ND	1	0.39	5	ug/Kg	01/21/12	nicollez
Trichlorofluoromethane	ND	1	0.25	5	ug/Kg	01/21/12	nicollez
Vinyl Chloride	ND	1	0.18	5	ug/Kg	01/21/12	nicollez
Xylenes (Total)	2.2J	1	0.45	5	ug/Kg	01/21/12	nicollez

Surrogates for Method EPA 8260B By Prep MethodEPA 5035

Analytes	Percent Recovery	Control Limits
1,2-Dichloroethane-d4 (SUR)	109	70-145
4-Bromofluorobenzene (SUR)	110	70-145
Dibromodifluoromethane (SUR)	103	70-145
Toluene-d8 (SUR)	106	70-145

Method: EPA 8310 Prep Method: EPA 3545 QCBatchID: QC1122639

Naphthalene	ND	1	0.5	mg/Kg	01/24/12	qnguyen
Acenaphthylene	ND	1	0.5	mg/Kg	01/24/12	qnguyen
Acenaphthene	ND	1	0.5	mg/Kg	01/24/12	qnguyen
Fluorene	ND	1	0.15	mg/Kg	01/24/12	qnguyen
Phenanthrene	ND	1	0.1	mg/Kg	01/24/12	qnguyen
Anthracene	ND	1	0.05	mg/Kg	01/24/12	qnguyen
Fluoranthene	ND	1	0.05	mg/Kg	01/24/12	qnguyen
Pyrene	ND	1	0.05	mg/Kg	01/24/12	qnguyen
Benz(a)anthracene	ND	1	0.05	mg/Kg	01/24/12	qnguyen
Chrysene	ND	1	0.05	mg/Kg	01/24/12	qnguyen
Benzo(b)fluoranthene	ND	1	0.05	mg/Kg	01/24/12	qnguyen
Benzo(k)fluoranthene	ND	1	0.05	mg/Kg	01/24/12	qnguyen
Benzo(a)pyrene	ND	1	0.05	mg/Kg	01/24/12	qnguyen
Dibenz(a,h)anthracene	ND	1	0.05	mg/Kg	01/24/12	qnguyen
Benzo(g,h,i)perylene	ND	1	0.05	mg/Kg	01/24/12	qnguyen
Indeno(1,2,3-cd)pyrene	ND	1	0.05	mg/Kg	01/24/12	qnguyen

Surrogates for Method EPA 8310 By Prep MethodEPA 3545

Analytes	Percent Recovery	Control Limits
p-Terphenyl (SUR)	127	55-140

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

Sample #:	297883-007	Client:	Advanced Environmental Concepts Inc.
Matrix:	Solid	Client Sample #:	B-2-20'
Collect Date:	01/17/12	Site:	
Collect Time:		Collector:	Client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Method: EPA 6010B	**Prep Method:**				**QCBatchID:**	**QC1122535**	
Antimony	ND	1	0.37	3	mg/Kg	01/20/12	nina
Arsenic	3.84	1	0.38	1	mg/Kg	01/20/12	nina
Barium	42.9	1	0.23	1	mg/Kg	01/20/12	nina
Beryllium	0.4J	1	0.17	0.5	mg/Kg	01/20/12	nina
Cadmium	0.8	1	0.21	0.5	mg/Kg	01/20/12	nina
Chromium	13.5	1	0.13	1	mg/Kg	01/20/12	nina
Cobalt	5.98	1	0.19	0.5	mg/Kg	01/20/12	nina
Copper	8.49	1	0.31	1	mg/Kg	01/20/12	nina
Lead	6.04	1	0.32	0.5	mg/Kg	01/20/12	nina
Molybdenum	1.85	1	0.13	1	mg/Kg	01/20/12	nina
Nickel	8.25	1	0.2	1.6	mg/Kg	01/20/12	nina
Selenium	ND	1	0.72	1	mg/Kg	01/20/12	nina
Silver	ND	1	0.13	0.5	mg/Kg	01/20/12	nina
Thallium	ND	1	0.42	1	mg/Kg	01/20/12	nina
Vanadium	31.6	1	0.37	0.5	mg/Kg	01/20/12	nina
Zinc	30.0	1	0.28	5	mg/Kg	01/20/12	nina
Method: EPA 7471A	**Prep Method:**				**QCBatchID:**	**QC1122553**	
Mercury	ND	1	0.02	0.14	mg/Kg	01/20/12	metha
Method: EPA 8015B	**Prep Method:**	**EPA 3545**			**QCBatchID:**	**QC1122568**	
TPH (C6 to C10)	ND	1	1.7	3	mg/Kg	01/20/12	anca
TPH (C10 to C22)	ND	1	0.4	3	mg/Kg	01/20/12	anca
TPH (C22 to C36)	ND	1	2.1	5	mg/Kg	01/20/12	anca

Surrogates for Method EPA 8015B By Prep MethodEPA 3546

Analytes	Percent Recovery	Control Limits
Triacontane (SUR)	64	60-140

Method: EPA 8082	**Prep Method:**	**EPA 3545**			**QCBatchID:**	**QC1123036**	
PCB-1016	ND	1	0.018	0.05	mg/Kg	02/03/12	andrewk
PCB-1221	ND	1	0.014	0.05	mg/Kg	02/03/12	andrewk
PCB-1232	ND	1	0.018	0.05	mg/Kg	02/03/12	andrewk
PCB-1242	ND	1	0.0073	0.05	mg/Kg	02/03/12	andrewk
PCB-1248	ND	1	0.0066	0.05	mg/Kg	02/03/12	andrewk
PCB-1254	ND	1	0.01	0.05	mg/Kg	02/03/12	andrewk
PCB-1260	ND	1	0.018	0.05	mg/Kg	02/03/12	andrewk
PCB-1262	ND	1	0.02	0.05	mg/Kg	02/03/12	andrewk
PCB-1268	ND	1	0.011	0.05	mg/Kg	02/03/12	andrewk

Surrogates for Method EPA 8082 By Prep MethodEPA 3545

Analytes	Percent Recovery	Control Limits
Decachlorobiphenyl DCB (SUR)	86	36-136

Method: EPA 8260B	**Prep Method:**	**EPA 5035**			**QCBatchID:**	**QC1122637**	
1,1,1,2-Tetrachloroethane	ND	1	0.24	5	ug/Kg	01/22/12	nicollez
1,1,1-Trichloroethane	ND	1	0.16	5	ug/Kg	01/22/12	nicollez
1,1,2,2-Tetrachloroethane	ND	1	0.29	5	ug/Kg	01/22/12	nicollez
1,1,2-Trichloroethane	ND	1	0.22	5	ug/Kg	01/22/12	nicollez
1,1,2-Trichlorotrifluoroethane	ND	1	0.74	5	ug/Kg	01/22/12	nicollez
1,1-Dichloroethane	ND	1	0.23	5	ug/Kg	01/22/12	nicollez

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

Sample #:	297883-007	Client:	Advanced Environmental Concepts Inc.
Matrix:	Solid	Client Sample #:	B-2-20'
Collect Date:	01/17/12	Site:	
Collect Time:		Collector:	Client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
1,1-Dichloroethene	ND	1	0.18	5	ug/Kg	01/22/12	nicollez
1,1-Dichloropropene	ND	1	0.21	5	ug/Kg	01/22/12	nicollez
1,2,3-Trichlorobenzene	ND	1	0.18	5	ug/Kg	01/22/12	nicollez
1,2,3-Trichloropropane	ND	1	0.2	5	ug/Kg	01/22/12	nicollez
1,2,4-Trichlorobenzene	ND	1	0.33	5	ug/Kg	01/22/12	nicollez
1,2,4-Trimethylbenzene	2.5J	1	0.28	5	ug/Kg	01/22/12	nicollez
1,2-Dibromo-3-chloropropane	ND	1	0.2	5	ug/Kg	01/22/12	nicollez
1,2-Dibromoethane	ND	1	0.12	5	ug/Kg	01/22/12	nicollez
1,2-Dichlorobenzene	ND	1	0.18	5	ug/Kg	01/22/12	nicollez
1,2-Dichloroethane	ND	1	0.14	5	ug/Kg	01/22/12	nicollez
1,2-Dichloropropane	ND	1	0.34	5	ug/Kg	01/22/12	nicollez
1,3,5-Trimethylbenzene	ND	1	0.23	5	ug/Kg	01/22/12	nicollez
1,3-Dichlorobenzene	ND	1	0.21	5	ug/Kg	01/22/12	nicollez
1,3-Dichloropropane	ND	1	0.19	5	ug/Kg	01/22/12	nicollez
1,4-Dichlorobenzene	ND	1	0.24	5	ug/Kg	01/22/12	nicollez
2,2-Dichloropropane	ND	1	0.19	5	ug/Kg	01/22/12	nicollez
2-Butanone (MEK)	ND	1	0.72	100	ug/Kg	01/22/12	nicollez
2-Chloroethyl Vinyl Ether	ND	1	0.3	5	ug/Kg	01/22/12	nicollez
2-Chlorotoluene	ND	1	0.25	5	ug/Kg	01/22/12	nicollez
4-Chlorotoluene	ND	1	0.22	5	ug/Kg	01/22/12	nicollez
4-Isopropyltoluene	2.7J	1	0.27	5	ug/Kg	01/22/12	nicollez
4-Methyl-2-pentanone (MIBK)	ND	1	0.17	5	ug/Kg	01/22/12	nicollez
Acetone	ND	1	10	100	ug/Kg	01/22/12	nicollez
Allyl Chloride	ND	1	0.14	5	ug/Kg	01/22/12	nicollez
Benzene	ND	1	0.18	5	ug/Kg	01/22/12	nicollez
Bromobenzene	ND	1	0.3	5	ug/Kg	01/22/12	nicollez
Bromochloromethane	ND	1	0.18	5	ug/Kg	01/22/12	nicollez
Bromodichloromethane	ND	1	0.2	5	ug/Kg	01/22/12	nicollez
Bromoform	ND	1	0.19	5	ug/Kg	01/22/12	nicollez
Bromomethane	ND	1	0.22	5	ug/Kg	01/22/12	nicollez
Carbon Tetrachloride	ND	1	0.18	5	ug/Kg	01/22/12	nicollez
Chlorobenzene	ND	1	0.18	5	ug/Kg	01/22/12	nicollez
Chlorodibromomethane	ND	1	0.19	5	ug/Kg	01/22/12	nicollez
Chloroethane	ND	1	0.2	5	ug/Kg	01/22/12	nicollez
Chloroform	ND	1	0.17	5	ug/Kg	01/22/12	nicollez
Chloromethane	ND	1	0.21	5	ug/Kg	01/22/12	nicollez
cis-1,2-Dichloroethene	ND	1	0.2	5	ug/Kg	01/22/12	nicollez
cis-1,3-dichloropropene	ND	1	0.2	5	ug/Kg	01/22/12	nicollez
cis-1,4-dichloro-2-butene	ND	1	0.2	5	ug/Kg	01/22/12	nicollez
Dibromomethane	ND	1	0.23	5	ug/Kg	01/22/12	nicollez
Dichlorodifluoromethane	ND	1	0.23	5	ug/Kg	01/22/12	nicollez
Di-isopropyl ether (DIPE)	ND	1	0.21	5	ug/Kg	01/22/12	nicollez
Ethylbenzene	ND	1	0.25	5	ug/Kg	01/22/12	nicollez
Ethyl-tertbutylether (ETBE)	ND	1	0.42	5	ug/Kg	01/22/12	nicollez
Hexachlorobutadiene	ND	1	0.38	5	ug/Kg	01/22/12	nicollez
Isopropylbenzene	ND	1	0.17	5	ug/Kg	01/22/12	nicollez
m and p-Xylene	1.4J	1	0.21	5	ug/Kg	01/22/12	nicollez
Methylene chloride	ND	1	0.22	5	ug/Kg	01/22/12	nicollez
Methyl-t-butyl Ether (MTBE)	ND	1	0.25	5	ug/Kg	01/22/12	nicollez

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

Sample #:	297883-007	Client:	Advanced Environmental Concepts Inc.
Matrix:	Solid	Client Sample #:	B-2-20'
Collect Date:	01/17/12	Site:	
Collect Time:		Collector:	Client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Naphthalene	ND	1	0.28	5	ug/Kg	01/22/12	nicollez
N-butylbenzene	ND	1	0.16	5	ug/Kg	01/22/12	nicollez
N-propylbenzene	ND	1	0.19	5	ug/Kg	01/22/12	nicollez
o-Xylene	ND	1	0.13	5	ug/Kg	01/22/12	nicollez
Sec-butylbenzene	ND	1	0.34	5	ug/Kg	01/22/12	nicollez
Styrene	ND	1	0.23	5	ug/Kg	01/22/12	nicollez
t-Butyl alcohol (TBA)	ND	1	8.8	10	ug/Kg	01/22/12	nicollez
Tert-amylmethylether (TAME)	ND	1	0.19	5	ug/Kg	01/22/12	nicollez
Tert-butylbenzene	ND	1	0.18	5	ug/Kg	01/22/12	nicollez
Tetrachloroethene	ND	1	0.2	5	ug/Kg	01/22/12	nicollez
Toluene	ND	1	0.23	5	ug/Kg	01/22/12	nicollez
trans-1,2-dichloroethene	ND	1	0.23	5	ug/Kg	01/22/12	nicollez
trans-1,3-dichloropropene	ND	1	0.14	5	ug/Kg	01/22/12	nicollez
trans-1,4-dichloro-2-butene	ND	1	0.38	5	ug/Kg	01/22/12	nicollez
Trichloroethene	ND	1	0.39	5	ug/Kg	01/22/12	nicollez
Trichlorofluoromethane	ND	1	0.25	5	ug/Kg	01/22/12	nicollez
Vinyl Chloride	ND	1	0.18	5	ug/Kg	01/22/12	nicollez
Xylenes (Total)	1.4J	1	0.45	5	ug/Kg	01/22/12	nicollez

Surrogates for Method EPA 8260B By Prep MethodEPA 5035

Analytes	Percent Recovery	Control Limits
1,2-Dichloroethane-d4 (SUR)	105	70-145
4-Bromofluorobenzene (SUR)	109	70-145
Dibromodifluoromethane (SUR)	103	70-145
Toluene-d8 (SUR)	110	70-145

Method: EPA 8310 Prep Method: EPA 3545 QCBatchID: QC1122639

Naphthalene	ND	1	0.5	mg/Kg	01/24/12	qnguyen
Acenaphthylene	ND	1	0.5	mg/Kg	01/24/12	qnguyen
Acenaphthene	ND	1	0.5	mg/Kg	01/24/12	qnguyen
Fluorene	ND	1	0.15	mg/Kg	01/24/12	qnguyen
Phenanthrene	ND	1	0.1	mg/Kg	01/24/12	qnguyen
Anthracene	ND	1	0.05	mg/Kg	01/24/12	qnguyen
Fluoranthene	ND	1	0.05	mg/Kg	01/24/12	qnguyen
Pyrene	ND	1	0.05	mg/Kg	01/24/12	qnguyen
Benz(a)anthracene	ND	1	0.05	mg/Kg	01/24/12	qnguyen
Chrysene	ND	1	0.05	mg/Kg	01/24/12	qnguyen
Benzo(b)fluoranthene	ND	1	0.05	mg/Kg	01/24/12	qnguyen
Benzo(k)fluoranthene	ND	1	0.05	mg/Kg	01/24/12	qnguyen
Benzo(a)pyrene	ND	1	0.05	mg/Kg	01/24/12	qnguyen
Dibenz(a,h)anthracene	ND	1	0.05	mg/Kg	01/24/12	qnguyen
Benzo(g,h,i)perylene	ND	1	0.05	mg/Kg	01/24/12	qnguyen
Indeno(1,2,3-cd)pyrene	ND	1	0.05	mg/Kg	01/24/12	qnguyen

Surrogates for Method EPA 8310 By Prep MethodEPA 3545

Analytes	Percent Recovery	Control Limits
p-Terphenyl (SUR)	121	55-140

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

Sample #:	297883-008	Client:	Advanced Environmental Concepts Inc.
Matrix:	Solid	Client Sample #:	B-2-25
Collect Date:	01/17/12	Site:	
Collect Time:		Collector:	Client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Method: EPA 6010B	Prep Method: EPA 3050B				QCBatchID: QC1122535		
Lead	8.93	1	0.32	0.5	mg/Kg	01/20/12	nina
Method: EPA 8015B	Prep Method: EPA 3545				QCBatchID: QC1122568		
TPH (C6 to C10)	ND	1	1.7	3	mg/Kg	01/20/12	anca
TPH (C10 to C22)	ND	1	0.4	3	mg/Kg	01/20/12	anca
TPH (C22 to C36)	ND	1	2.1	5	mg/Kg	01/20/12	anca

Surrogates for Method EPA 8015B By Prep MethodEPA 3545

Analytes	Percent Recovery	Control Limits
Triacontane (SUR)	68	60-140

Method: EPA 8260B	Prep Method: EPA 5035				QCBatchID: QC1122637		
1,1,1,2-Tetrachloroethane	ND	1	0.24	5	ug/Kg	01/21/12	nicolfez
1,1,1-Trichloroethane	ND	1	0.15	5	ug/Kg	01/21/12	nicolfez
1,1,2,2-Tetrachloroethane	ND	1	0.29	5	ug/Kg	01/21/12	nicolfez
1,1,2-Trichloroethane	ND	1	0.22	5	ug/Kg	01/21/12	nicolfez
1,1,2-Trichlorotrifluoroethane	ND	1	0.74	5	ug/Kg	01/21/12	nicolfez
1,1-Dichloroethane	ND	1	0.23	5	ug/Kg	01/21/12	nicolfez
1,1-Dichloroethene	ND	1	0.18	5	ug/Kg	01/21/12	nicolfez
1,1-Dichloropropene	ND	1	0.21	5	ug/Kg	01/21/12	nicolfez
1,2,3-Trichlorobenzene	ND	1	0.18	5	ug/Kg	01/21/12	nicolfez
1,2,3-Trichloropropane	ND	1	0.2	5	ug/Kg	01/21/12	nicolfez
1,2,4-Trichlorobenzene	ND	1	0.33	5	ug/Kg	01/21/12	nicolfez
1,2,4-Trimethylbenzene	ND	1	0.28	5	ug/Kg	01/21/12	nicolfez
1,2-Dibromo-3-chloropropane	ND	1	0.2	5	ug/Kg	01/21/12	nicolfez
1,2-Dibromoethane	ND	1	0.12	5	ug/Kg	01/21/12	nicolfez
1,2-Dichlorobenzene	ND	1	0.18	5	ug/Kg	01/21/12	nicolfez
1,2-Dichloroethane	ND	1	0.14	5	ug/Kg	01/21/12	nicolfez
1,2-Dichloropropane	ND	1	0.34	5	ug/Kg	01/21/12	nicolfez
1,3,5-Trimethylbenzene	ND	1	0.23	5	ug/Kg	01/21/12	nicolfez
1,3-Dichlorobenzene	ND	1	0.21	5	ug/Kg	01/21/12	nicolfez
1,3-Dichloropropane	ND	1	0.19	5	ug/Kg	01/21/12	nicolfez
1,4-Dichlorobenzene	ND	1	0.24	5	ug/Kg	01/21/12	nicolfez
2,2-Dichloropropane	ND	1	0.19	5	ug/Kg	01/21/12	nicolfez
2-Butanone (MEK)	ND	1	0.72	100	ug/Kg	01/21/12	nicolfez
2-Chloroethyl Vinyl Ether	ND	1	0.3	5	ug/Kg	01/21/12	nicolfez
2-Chlorotoluene	ND	1	0.25	5	ug/Kg	01/21/12	nicolfez
4-Chlorotoluene	ND	1	0.22	5	ug/Kg	01/21/12	nicolfez
4-Isopropyltoluene	ND	1	0.27	5	ug/Kg	01/21/12	nicolfez
4-Methyl-2-pentanone (MIBK)	ND	1	0.17	5	ug/Kg	01/21/12	nicolfez
Acetone	ND	1	10	100	ug/Kg	01/21/12	nicolfez
Allyl Chloride	ND	1	0.14	5	ug/Kg	01/21/12	nicolfez
Benzene	ND	1	0.18	5	ug/Kg	01/21/12	nicolfez
Bromobenzene	ND	1	0.3	5	ug/Kg	01/21/12	nicolfez
Bromochloromethane	ND	1	0.18	5	ug/Kg	01/21/12	nicolfez
Bromodichloromethane	ND	1	0.2	5	ug/Kg	01/21/12	nicolfez
Bromoform	ND	1	0.19	5	ug/Kg	01/21/12	nicolfez
Bromomethane	ND	1	0.22	5	ug/Kg	01/21/12	nicolfez
Carbon Tetrachloride	ND	1	0.16	5	ug/Kg	01/21/12	nicolfez
Chlorobenzene	ND	1	0.18	5	ug/Kg	01/21/12	nicolfez

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

Sample #:	297883-008	Client:	Advanced Environmental Concepts Inc.
Matrix:	Solid	Client Sample #:	B-2-25'
Collect Date:	01/17/12	Site:	
Collect Time:		Collector:	Client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Chlorodibromomethane	ND	1	0.19	5	ug/Kg	01/21/12	nicollez
Chloroethane	ND	1	0.2	5	ug/Kg	01/21/12	nicollez
Chloroform	ND	1	0.17	5	ug/Kg	01/21/12	nicollez
Chloromethane	ND	1	0.21	5	ug/Kg	01/21/12	nicollez
cis-1,2-Dichloroethene	ND	1	0.2	5	ug/Kg	01/21/12	nicollez
cis-1,3-dichloropropene	ND	1	0.2	5	ug/Kg	01/21/12	nicollez
cis-1,4-dichloro-2-butene	ND	1	0.2	5	ug/Kg	01/21/12	nicollez
Dibromomethane	ND	1	0.23	5	ug/Kg	01/21/12	nicollez
Dichlorodifluoromethane	ND	1	0.23	5	ug/Kg	01/21/12	nicollez
Di-isopropyl ether (DIPE)	ND	1	0.21	5	ug/Kg	01/21/12	nicollez
Ethylbenzene	ND	1	0.25	5	ug/Kg	01/21/12	nicollez
Ethyl-tertbutylether (ETBE)	ND	1	0.42	5	ug/Kg	01/21/12	nicollez
Hexachlorobutadiene	ND	1	0.38	5	ug/Kg	01/21/12	nicollez
Isopropylbenzene	ND	1	0.17	5	ug/Kg	01/21/12	nicollez
m and p-Xylene	ND	1	0.21	5	ug/Kg	01/21/12	nicollez
Methylene chloride	ND	1	0.22	5	ug/Kg	01/21/12	nicollez
Methyl-t-butyl Ether (MTBE)	ND	1	0.25	5	ug/Kg	01/21/12	nicollez
Naphthalene	ND	1	0.28	5	ug/Kg	01/21/12	nicollez
N-butylbenzene	ND	1	0.16	5	ug/Kg	01/21/12	nicollez
N-propylbenzene	ND	1	0.19	5	ug/Kg	01/21/12	nicollez
o-Xylene	ND	1	0.13	5	ug/Kg	01/21/12	nicollez
Sec-butylbenzene	ND	1	0.34	5	ug/Kg	01/21/12	nicollez
Styrene	ND	1	0.23	5	ug/Kg	01/21/12	nicollez
t-Butyl alcohol (TBA)	ND	1	8.8	10	ug/Kg	01/21/12	nicollez
Tert-amylmethylether (TAME)	ND	1	0.19	5	ug/Kg	01/21/12	nicollez
Tert-butylbenzene	ND	1	0.18	5	ug/Kg	01/21/12	nicollez
Tetrachloroethene	ND	1	0.2	5	ug/Kg	01/21/12	nicollez
Toluene	ND	1	0.23	5	ug/Kg	01/21/12	nicollez
trans-1,2-dichloroethene	ND	1	0.23	5	ug/Kg	01/21/12	nicollez
trans-1,3-dichloropropene	ND	1	0.14	5	ug/Kg	01/21/12	nicollez
trans-1,4-dichloro-2-butene	ND	1	0.38	5	ug/Kg	01/21/12	nicollez
Trichloroethene	ND	1	0.39	5	ug/Kg	01/21/12	nicollez
Trichlorofluoromethane	ND	1	0.25	5	ug/Kg	01/21/12	nicollez
Vinyl Chloride	ND	1	0.18	5	ug/Kg	01/21/12	nicollez
Xylenes (Total)	ND	1	0.45	5	ug/Kg	01/21/12	nicollez

Surrogates for Method EPA 8260B By Prep MethodEPA 5035

Analytes	Percent Recovery	Control Limits
1,2-Dichloroethane-d4 (SUR)	109	70-145
4-Bromofluorobenzene (SUR)	100	70-145
Dibromodifluoromethane (SUR)	104	70-145
Toluene-d8 (SUR)	116	70-145

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

Sample #:	297883-009	Client:	Advanced Environmental Concepts Inc.
Matrix:	Solid	Client Sample #:	B-2-30'
Collect Date:	01/17/12	Site:	
Collect Time:		Collector:	Client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Method: EPA 6010B	Prep Method: EPA 3050B				QCBatchID: QC1122535		
Lead	7.97	1	0.32	0.5	mg/Kg	01/20/12	nina
Method: EPA 8015B	Prep Method: EPA 3545				QCBatchID: QC1122588		
TPH (C6 to C10)	ND	1	1.7	3	mg/Kg	01/20/12	anca
TPH (C10 to C22)	ND	1	0.4	3	mg/Kg	01/20/12	anca
TPH (C22 to C36)	ND	1	2.1	5	mg/Kg	01/20/12	anca

Surrogates for Method EPA 8015B By Prep MethodEPA 3545

Analytes	Percent Recovery	Control Limits
Triacontane (SUR)	79	60-140

Method: EPA 8260B	Prep Method: EPA 5035				QCBatchID: QC1122637		
1,1,1,2-Tetrachloroethane	ND	1	0.24	5	ug/Kg	01/21/12	nicollez
1,1,1-Trichloroethane	ND	1	0.15	5	ug/Kg	01/21/12	nicollez
1,1,2,2-Tetrachloroethane	ND	1	0.29	5	ug/Kg	01/21/12	nicollez
1,1,2-Trichloroethane	ND	1	0.22	5	ug/Kg	01/21/12	nicollez
1,1,2-Trichlorotrifluoroethane	ND	1	0.74	5	ug/Kg	01/21/12	nicollez
1,1-Dichloroethane	ND	1	0.23	5	ug/Kg	01/21/12	nicollez
1,1-Dichloroethene	ND	1	0.18	5	ug/Kg	01/21/12	nicollez
1,1-Dichloropropene	ND	1	0.21	5	ug/Kg	01/21/12	nicollez
1,2,3-Trichlorobenzene	ND	1	0.18	5	ug/Kg	01/21/12	nicollez
1,2,3-Trichloropropane	ND	1	0.2	5	ug/Kg	01/21/12	nicollez
1,2,4-Trichlorobenzene	ND	1	0.33	5	ug/Kg	01/21/12	nicollez
1,2,4-Trimethylbenzene	ND	1	0.28	5	ug/Kg	01/21/12	nicollez
1,2-Dibromo-3-chloropropane	ND	1	0.2	5	ug/Kg	01/21/12	nicollez
1,2-Dibromoethane	ND	1	0.12	5	ug/Kg	01/21/12	nicollez
1,2-Dichlorobenzene	ND	1	0.18	5	ug/Kg	01/21/12	nicollez
1,2-Dichloroethane	ND	1	0.14	5	ug/Kg	01/21/12	nicollez
1,2-Dichloropropane	ND	1	0.34	5	ug/Kg	01/21/12	nicollez
1,3,5-Trimethylbenzene	ND	1	0.23	5	ug/Kg	01/21/12	nicollez
1,3-Dichlorobenzene	ND	1	0.21	5	ug/Kg	01/21/12	nicollez
1,3-Dichloropropane	ND	1	0.19	5	ug/Kg	01/21/12	nicollez
1,4-Dichlorobenzene	ND	1	0.24	5	ug/Kg	01/21/12	nicollez
2,2-Dichloropropane	ND	1	0.19	5	ug/Kg	01/21/12	nicollez
2-Butanone (MEK)	ND	1	0.72	100	ug/Kg	01/21/12	nicollez
2-Chloroethyl Vinyl Ether	ND	1	0.3	5	ug/Kg	01/21/12	nicollez
2-Chlorotoluene	ND	1	0.25	5	ug/Kg	01/21/12	nicollez
4-Chlorotoluene	ND	1	0.22	5	ug/Kg	01/21/12	nicollez
4-Isopropyltoluene	ND	1	0.27	5	ug/Kg	01/21/12	nicollez
4-Methyl-2-pentanone (MIBK)	ND	1	0.17	5	ug/Kg	01/21/12	nicollez
Acetone	ND	1	10	100	ug/Kg	01/21/12	nicollez
Allyl Chloride	ND	1	0.14	5	ug/Kg	01/21/12	nicollez
Benzene	ND	1	0.18	5	ug/Kg	01/21/12	nicollez
Bromobenzene	ND	1	0.3	5	ug/Kg	01/21/12	nicollez
Bromochloromethane	ND	1	0.18	5	ug/Kg	01/21/12	nicollez
Bromodichloromethane	ND	1	0.2	5	ug/Kg	01/21/12	nicollez
Bromoform	ND	1	0.19	5	ug/Kg	01/21/12	nicollez
Bromomethane	ND	1	0.22	5	ug/Kg	01/21/12	nicollez
Carbon Tetrachloride	ND	1	0.18	5	ug/Kg	01/21/12	nicollez
Chlorobenzene	ND	1	0.16	5	ug/Kg	01/21/12	nicollez

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

Sample #:	297883-009	Client:	Advanced Environmental Concepts Inc.
Matrix:	Solid	Client Sample #:	B-2-30'
Collect Date:	01/17/12	Site:	
Collect Time:		Collector:	Client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Chlorodibromomethane	ND	1	0.19	5	ug/Kg	01/21/12	nicollez
Chloroethane	ND	1	0.2	5	ug/Kg	01/21/12	nicollez
Chloroform	ND	1	0.17	5	ug/Kg	01/21/12	nicollez
Chloromethane	ND	1	0.21	5	ug/Kg	01/21/12	nicollez
cis-1,2-Dichloroethene	ND	1	0.2	5	ug/Kg	01/21/12	nicollez
cis-1,3-dichloropropene	ND	1	0.2	5	ug/Kg	01/21/12	nicollez
cis-1,4-dichloro-2-butene	ND	1	0.2	5	ug/Kg	01/21/12	nicollez
Dibromomethane	ND	1	0.23	5	ug/Kg	01/21/12	nicollez
Dichlorodifluoromethane	ND	1	0.23	5	ug/Kg	01/21/12	nicollez
Di-isopropyl ether (DIPE)	ND	1	0.21	5	ug/Kg	01/21/12	nicollez
Ethylbenzene	ND	1	0.25	5	ug/Kg	01/21/12	nicollez
Ethyl-tertbutylether (ETBE)	ND	1	0.42	5	ug/Kg	01/21/12	nicollez
Hexachlorobutadiene	ND	1	0.38	5	ug/Kg	01/21/12	nicollez
Isopropylbenzene	ND	1	0.17	5	ug/Kg	01/21/12	nicollez
m and p-Xylene	ND	1	0.21	5	ug/Kg	01/21/12	nicollez
Methylene chloride	ND	1	0.22	5	ug/Kg	01/21/12	nicollez
Methyl-t-butyl Ether (MTBE)	ND	1	0.25	5	ug/Kg	01/21/12	nicollez
Naphthalene	ND	1	0.28	5	ug/Kg	01/21/12	nicollez
N-butylbenzene	ND	1	0.16	5	ug/Kg	01/21/12	nicollez
N-propylbenzene	ND	1	0.19	5	ug/Kg	01/21/12	nicollez
o-Xylene	ND	1	0.13	5	ug/Kg	01/21/12	nicollez
Sec-butylbenzene	ND	1	0.34	5	ug/Kg	01/21/12	nicollez
Styrene	ND	1	0.23	5	ug/Kg	01/21/12	nicollez
t-Butyl alcohol (TBA)	ND	1	8.8	10	ug/Kg	01/21/12	nicollez
Tert-amylmethylether (TAME)	ND	1	0.19	5	ug/Kg	01/21/12	nicollez
Tert-butylbenzene	ND	1	0.18	5	ug/Kg	01/21/12	nicollez
Tetrachloroethene	ND	1	0.2	5	ug/Kg	01/21/12	nicollez
Toluene	ND	1	0.23	5	ug/Kg	01/21/12	nicollez
trans-1,2-dichloroethene	ND	1	0.23	5	ug/Kg	01/21/12	nicollez
trans-1,3-dichloropropene	ND	1	0.14	5	ug/Kg	01/21/12	nicollez
trans-1,4-dichloro-2-butene	ND	1	0.38	5	ug/Kg	01/21/12	nicollez
Trichloroethene	ND	1	0.39	5	ug/Kg	01/21/12	nicollez
Trichlorofluoromethane	ND	1	0.25	5	ug/Kg	01/21/12	nicollez
Vinyl Chloride	ND	1	0.18	5	ug/Kg	01/21/12	nicollez
Xylenes (Total)	ND	1	0.45	5	ug/Kg	01/21/12	nicollez

Surrogates for Method EPA 8260B By Prep MethodEPA 5035

Analytes	Percent Recovery	Control Limits
1,2-Dichloroethane-d4 (SUR)	112	70-145
4-Bromofluorobenzene (SUR)	111	70-145
Dibromodifluoromethane (SUR)	104	70-145
Toluene-d8 (SUR)	109	70-145

Method: EPA 8310 Prep Method: EPA 3545 QCBatchID: QC1122639

Naphthalene	ND	1	0.5	mg/Kg	01/24/12	qnguyen
Acenaphthylene	ND	1	0.5	mg/Kg	01/24/12	qnguyen
Acenaphthene	ND	1	0.5	mg/Kg	01/24/12	qnguyen
Fluorene	ND	1	0.15	mg/Kg	01/24/12	qnguyen
Phenanthrene	ND	1	0.1	mg/Kg	01/24/12	qnguyen
Anthracene	ND	1	0.05	mg/Kg	01/24/12	qnguyen

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

Sample #:	297883-009	Client:	Advanced Environmental Concepts Inc.
Matrix:	Solid	Client Sample #:	B-2-30'
Collect Date:	01/17/12	Site:	
Collect Time:		Collector:	Client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Fluoranthene	ND	1		0.05	mg/Kg	01/24/12	qnguyen
Pyrene	ND	1		0.05	mg/Kg	01/24/12	qnguyen
Benz(a)anthracene	ND	1		0.05	mg/Kg	01/24/12	qnguyen
Chrysene	ND	1		0.05	mg/Kg	01/24/12	qnguyen
Benzo(b)fluoranthene	ND	1		0.05	mg/Kg	01/24/12	qnguyen
Benzo(k)fluoranthene	ND	1		0.05	mg/Kg	01/24/12	qnguyen
Benzo(a)pyrene	ND	1		0.05	mg/Kg	01/24/12	qnguyen
Dibenz(a,h)anthracene	ND	1		0.05	mg/Kg	01/24/12	qnguyen
Benzo(g,h,i)perylene	ND	1		0.05	mg/Kg	01/24/12	qnguyen
Indeno(1,2,3-cd)pyrene	ND	1		0.05	mg/Kg	01/24/12	qnguyen

Surrogates for Method EPA 8310 By Prep MethodEPA 3545

Analytes	Percent Recovery	Control Limits
p-Terphenyl (SUR)	124	55-140

ND = Not Deteced or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

Sample #:	297883-010	Client:	Advanced Environmental Concepts Inc.
Matrix:	Solid	Client Sample #:	B-3-5'
Collect Date:	01/17/12	Site:	
Collect Time:		Collector:	Client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Method: EPA 6010B	Prep Method:				QCBatchID:	QC1122535	
Antimony	ND	1	0.37	3	mg/Kg	01/20/12	nina
Arsenic	5.60	1	0.36	1	mg/Kg	01/20/12	nina
Barium	110	1	0.23	1	mg/Kg	01/20/12	nina
Beryllium	0.5J	1	0.17	0.5	mg/Kg	01/20/12	nina
Cadmium	0.3J	1	0.21	0.5	mg/Kg	01/20/12	nina
Chromium	14.7	1	0.13	1	mg/Kg	01/20/12	nina
Cobalt	7.91	1	0.19	0.5	mg/Kg	01/20/12	nina
Copper	16.0	1	0.31	1	mg/Kg	01/20/12	nina
Lead	13.2	1	0.32	0.5	mg/Kg	01/20/12	nina
Molybdenum	0.8J	1	0.13	1	mg/Kg	01/20/12	nina
Nickel	15.5	1	0.2	1.5	mg/Kg	01/20/12	nina
Selenium	ND	1	0.72	1	mg/Kg	01/20/12	nina
Silver	ND	1	0.13	0.5	mg/Kg	01/20/12	nina
Thallium	ND	1	0.42	1	mg/Kg	01/20/12	nina
Vanadium	31.5	1	0.37	0.5	mg/Kg	01/20/12	nina
Zinc	47.0	1	0.28	5	mg/Kg	01/20/12	nina
Method: EPA 7471A	Prep Method:				QCBatchID:	QC1122553	
Mercury	ND	1	0.02	0.14	mg/Kg	01/20/12	metha
Method: EPA 8015B	Prep Method: EPA 3545				QCBatchID:	QC1122560	
TPH (C6 to C10)	ND	50	1.7	150	mg/Kg	01/20/12	anca
TPH (C10 to C22)	ND	50	0.4	150	mg/Kg	01/20/12	anca
TPH (C22 to C36)	942	50	2.1	250	mg/Kg	01/20/12	anca

Surrogates for Method EPA 8015B By Prep MethodEPA 3545

Analytes	Percent Recovery	Control Limits
Triacontane (SUR)	89	60-140

Method: EPA 8260B	Prep Method: EPA 5035				QCBatchID:	QC1122638	
1,1,1,2-Tetrachloroethane	ND	1	0.24	5	ug/Kg	01/22/12	nicoltez
1,1,1-Trichloroethane	ND	1	0.15	5	ug/Kg	01/22/12	nicoltez
1,1,2,2-Tetrachloroethane	ND	1	0.29	5	ug/Kg	01/22/12	nicoltez
1,1,2-Trichloroethane	ND	1	0.22	5	ug/Kg	01/22/12	nicoltez
1,1,2-Trichlorotrifluoroethane	ND	1	0.74	5	ug/Kg	01/22/12	nicoltez
1,1-Dichloroethane	ND	1	0.23	5	ug/Kg	01/22/12	nicoltez
1,1-Dichloroethene	ND	1	0.18	5	ug/Kg	01/22/12	nicoltez
1,1-Dichloropropene	ND	1	0.21	5	ug/Kg	01/22/12	nicoltez
1,2,3-Trichlorobenzene	ND	1	0.18	5	ug/Kg	01/22/12	nicoltez
1,2,3-Trichloropropane	ND	1	0.2	5	ug/Kg	01/22/12	nicoltez
1,2,4-Trichlorobenzene	ND	1	0.33	5	ug/Kg	01/22/12	nicoltez
1,2,4-Trimethylbenzene	ND	1	0.28	5	ug/Kg	01/22/12	nicoltez
1,2-Dibromo-3-chloropropane	ND	1	0.2	5	ug/Kg	01/22/12	nicoltez
1,2-Dibromoethane	ND	1	0.12	5	ug/Kg	01/22/12	nicoltez
1,2-Dichlorobenzene	ND	1	0.18	5	ug/Kg	01/22/12	nicoltez
1,2-Dichloroethane	ND	1	0.14	5	ug/Kg	01/22/12	nicoltez
1,2-Dichloropropane	ND	1	0.34	5	ug/Kg	01/22/12	nicoltez
1,3,5-Trimethylbenzene	ND	1	0.23	5	ug/Kg	01/22/12	nicoltez
1,3-Dichlorobenzene	ND	1	0.21	5	ug/Kg	01/22/12	nicoltez
1,3-Dichloropropane	ND	1	0.19	5	ug/Kg	01/22/12	nicoltez

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

Sample #:	297883-010	Client:	Advanced Environmental Concepts Inc.
Matrix:	Solid	Client Sample #:	B-3-5'
Collect Date:	01/17/12	Site:	
Collect Time:		Collector:	Client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
1,4-Dichlorobenzene	ND	1	0.24	5	ug/Kg	01/22/12	nicollez
2,2-Dichloropropane	ND	1	0.19	5	ug/Kg	01/22/12	nicollez
2-Butanone (MEK)	ND	1	0.72	100	ug/Kg	01/22/12	nicollez
2-Chloroethyl Vinyl Ether	ND	1	0.3	5	ug/Kg	01/22/12	nicollez
2-Chlorotoluene	ND	1	0.25	5	ug/Kg	01/22/12	nicollez
4-Chlorotoluene	ND	1	0.22	5	ug/Kg	01/22/12	nicollez
4-Isopropyltoluene	ND	1	0.27	5	ug/Kg	01/22/12	nicollez
4-Methyl-2-pentanone (MIBK)	ND	1	0.17	5	ug/Kg	01/22/12	nicollez
Acetone	ND	1	10	100	ug/Kg	01/22/12	nicollez
Allyl Chloride	ND	1	0.14	5	ug/Kg	01/22/12	nicollez
Benzene	ND	1	0.18	5	ug/Kg	01/22/12	nicollez
Bromobenzene	ND	1	0.3	5	ug/Kg	01/22/12	nicollez
Bromochloromethane	ND	1	0.18	5	ug/Kg	01/22/12	nicollez
Bromodichloromethane	ND	1	0.2	5	ug/Kg	01/22/12	nicollez
Bromoform	ND	1	0.19	5	ug/Kg	01/22/12	nicollez
Bromomethane	ND	1	0.22	5	ug/Kg	01/22/12	nicollez
Carbon Tetrachloride	ND	1	0.19	5	ug/Kg	01/22/12	nicollez
Chlorobenzene	ND	1	0.18	5	ug/Kg	01/22/12	nicollez
Chlorodibromomethane	ND	1	0.19	5	ug/Kg	01/22/12	nicollez
Chloroethane	ND	1	0.2	5	ug/Kg	01/22/12	nicollez
Chloroform	ND	1	0.17	5	ug/Kg	01/22/12	nicollez
Chloromethane	ND	1	0.21	5	ug/Kg	01/22/12	nicollez
cis-1,2-Dichloroethene	ND	1	0.2	5	ug/Kg	01/22/12	nicollez
cis-1,3-dichloropropene	ND	1	0.2	5	ug/Kg	01/22/12	nicollez
cis-1,4-dichloro-2-butene	ND	1	0.2	5	ug/Kg	01/22/12	nicollez
Dibromomethane	ND	1	0.23	5	ug/Kg	01/22/12	nicollez
Dichlorodifluoromethane	ND	1	0.23	5	ug/Kg	01/22/12	nicollez
Di-isopropyl ether (DIPE)	ND	1	0.21	5	ug/Kg	01/22/12	nicollez
Ethylbenzene	ND	1	0.25	5	ug/Kg	01/22/12	nicollez
Ethyl-tertbutylether (ETBE)	ND	1	0.42	5	ug/Kg	01/22/12	nicollez
Hexachlorobutadiene	ND	1	0.36	5	ug/Kg	01/22/12	nicollez
Isopropylbenzene	ND	1	0.17	5	ug/Kg	01/22/12	nicollez
m and p-Xylene	ND	1	0.21	5	ug/Kg	01/22/12	nicollez
Methylene chloride	ND	1	0.22	5	ug/Kg	01/22/12	nicollez
Methyl-t-butyl Ether (MTBE)	ND	1	0.25	5	ug/Kg	01/22/12	nicollez
Naphthalene	ND	1	0.28	5	ug/Kg	01/22/12	nicollez
N-butylbenzene	ND	1	0.16	5	ug/Kg	01/22/12	nicollez
N-propylbenzene	ND	1	0.19	5	ug/Kg	01/22/12	nicollez
o-Xylene	ND	1	0.13	5	ug/Kg	01/22/12	nicollez
Sec-butylbenzene	ND	1	0.34	5	ug/Kg	01/22/12	nicollez
Styrene	ND	1	0.23	5	ug/Kg	01/22/12	nicollez
t-Butyl alcohol (TBA)	ND	1	8.8	10	ug/Kg	01/22/12	nicollez
Tert-amylmethylether (TAME)	ND	1	0.19	5	ug/Kg	01/22/12	nicollez
Tert-butylbenzene	ND	1	0.18	5	ug/Kg	01/22/12	nicollez
Tetrachloroethene	ND	1	0.2	5	ug/Kg	01/22/12	nicollez
Toluene	ND	1	0.23	5	ug/Kg	01/22/12	nicollez
trans-1,2-dichloroethene	ND	1	0.23	5	ug/Kg	01/22/12	nicollez
trans-1,3-dichloropropene	ND	1	0.14	5	ug/Kg	01/22/12	nicollez
trans-1,4-dichloro-2-butene	ND	1	0.38	5	ug/Kg	01/22/12	nicollez

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

Sample #:	297883-010	Client:	Advanced Environmental Concepts Inc.
Matrix:	Solid	Client Sample #:	B-3-5'
Collect Date:	01/17/12	Site:	
Collect Time:		Collector:	Client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Trichloroethene	ND	1	0.39	5	ug/Kg	01/22/12	nicollez
Trichlorofluoromethane	ND	1	0.25	5	ug/Kg	01/22/12	nicollez
Vinyl Chloride	ND	1	0.18	5	ug/Kg	01/22/12	nicollez
Xylenes (Total)	ND	1	0.45	5	ug/Kg	01/22/12	nicollez

Surrogates for Method EPA 8260B By Prep MethodEPA 5035

Analytes	Percent Recovery	Control Limits
1,2-Dichloroethane-d4 (SUR)	109	70-145
4-Bromofluorobenzene (SUR)	111	70-145
Dibromodifluoromethane (SUR)	102	70-145
Toluene-d8 (SUR)	112	70-145

Method: EPA 8310 Prep Method: EPA 3545 QCBatchID: QC1122639

Naphthalene	ND	10	5	mg/Kg	01/24/12	qnguyen
Acenaphthylene	ND	10	5	mg/Kg	01/24/12	qnguyen
Acenaphthene	ND	10	5	mg/Kg	01/24/12	qnguyen
Fluorene	ND	10	1.5	mg/Kg	01/24/12	qnguyen
Phenanthrene	ND	10	1	mg/Kg	01/24/12	qnguyen
Anthracene	ND	10	0.5	mg/Kg	01/24/12	qnguyen
Fluoranthene	ND	10	0.5	mg/Kg	01/24/12	qnguyen
Pyrene	ND	10	0.5	mg/Kg	01/24/12	qnguyen
Benz(a)anthracene	ND	10	0.5	mg/Kg	01/24/12	qnguyen
Chrysene	ND	10	0.5	mg/Kg	01/24/12	qnguyen
Benzo(b)fluoranthene	ND	10	0.5	mg/Kg	01/24/12	qnguyen
Benzo(k)fluoranthene	ND	10	0.5	mg/Kg	01/24/12	qnguyen
Benzo(a)pyrene	ND	10	0.5	mg/Kg	01/24/12	qnguyen
Dibenz(a,h)anthracene	ND	10	0.5	mg/Kg	01/24/12	qnguyen
Benzo(g,h,i)perylene	ND	10	0.5	mg/Kg	01/24/12	qnguyen
Indeno(1,2,3-cd)pyrene	ND	10	0.5	mg/Kg	01/24/12	qnguyen

Surrogates for Method EPA 8310 By Prep MethodEPA 3545

Analytes	Percent Recovery	Control Limits
p-Terphenyl (SUR)	81	55-140

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

Sample #:	297883-011	Client:	Advanced Environmental Concepts Inc.
Matrix:	Solid	Client Sample #:	B-3-15'
Collect Date:	01/17/12	Site:	
Collect Time:		Collector:	Client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Method: EPA 6010B	Prep Method:				QCBatchID:	QC1122535	
Antimony	ND	1	0.37	3	mg/Kg	01/20/12	nina
Arsenic	4.80	1	0.36	1	mg/Kg	01/20/12	nina
Barium	89.7	1	0.23	1	mg/Kg	01/20/12	nina
Beryllium	0.6	1	0.17	0.5	mg/Kg	01/20/12	nina
Cadmium	0.4J	1	0.21	0.5	mg/Kg	01/20/12	nina
Chromium	18.7	1	0.13	1	mg/Kg	01/20/12	nina
Cobalt	11.6	1	0.19	0.5	mg/Kg	01/20/12	nina
Copper	16.7	1	0.31	1	mg/Kg	01/20/12	nina
Lead	5.93	1	0.32	0.5	mg/Kg	01/20/12	nina
Molybdenum	8.90	1	0.13	1	mg/Kg	01/20/12	nina
Nickel	15.9	1	0.2	1.5	mg/Kg	01/20/12	nina
Selenium	ND	1	0.72	1	mg/Kg	01/20/12	nina
Silver	0.2J	1	0.13	0.5	mg/Kg	01/20/12	nina
Thallium	ND	1	0.42	1	mg/Kg	01/20/12	nina
Vanadium	33.9	1	0.37	0.5	mg/Kg	01/20/12	nina
Zinc	46.4	1	0.28	5	mg/Kg	01/20/12	nina
Method: EPA 7471A	Prep Method:				QCBatchID:	QC1122553	
Mercury	ND	1	0.02	0.14	mg/Kg	01/20/12	melba
Method: EPA 8015B	Prep Method: EPA 3545				QCBatchID:	QC1122588	
TPH (C6 to C10)	ND	1	1.7	3	mg/Kg	01/20/12	anca
TPH (C10 to C22)	ND	1	0.4	3	mg/Kg	01/20/12	anca
TPH (C22 to C36)	ND	1	2.1	5	mg/Kg	01/20/12	anca

Surrogates for Method EPA 8015B By Prep MethodEPA 3545

Analytes	Percent Recovery	Control Limits
Triacontane (SUR)	110	60-140

Method: EPA 8310	Prep Method: EPA 3545				QCBatchID:	QC1122539	
Naphthalene	ND	1		0.5	mg/Kg	01/24/12	qnguyen
Acenaphthylene	ND	1		0.5	mg/Kg	01/24/12	qnguyen
Acenaphthene	ND	1		0.5	mg/Kg	01/24/12	qnguyen
Fluorene	ND	1		0.15	mg/Kg	01/24/12	qnguyen
Phenanthrene	ND	1		0.1	mg/Kg	01/24/12	qnguyen
Anthracene	ND	1		0.05	mg/Kg	01/24/12	qnguyen
Fluoranthene	ND	1		0.05	mg/Kg	01/24/12	qnguyen
Pyrene	ND	1		0.05	mg/Kg	01/24/12	qnguyen
Benz(a)anthracene	ND	1		0.05	mg/Kg	01/24/12	qnguyen
Chrysene	ND	1		0.05	mg/Kg	01/24/12	qnguyen
Benzo(b)fluoranthene	ND	1		0.05	mg/Kg	01/24/12	qnguyen
Benzo(k)fluoranthene	ND	1		0.05	mg/Kg	01/24/12	qnguyen
Benzo(a)pyrene	ND	1		0.05	mg/Kg	01/24/12	qnguyen
Dibenz(a,h)anthracene	ND	1		0.05	mg/Kg	01/24/12	qnguyen
Benzo(g,h,i)perylene	ND	1		0.05	mg/Kg	01/24/12	qnguyen
Indeno(1,2,3-cd)pyrene	ND	1		0.05	mg/Kg	01/24/12	qnguyen

Surrogates for Method EPA 8310 By Prep MethodEPA 3545

Analytes	Percent Recovery	Control Limits
p-Terphenyl (SUR)	104	55-140

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

Sample #:	297883-012	Client:	Advanced Environmental Concepts Inc.
Matrix:	Solid	Client Sample #:	B-3-20'
Collect Date:	01/17/12	Site:	
Collect Time:		Collector:	Client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Method: EPA 6010B	Prep Method: EPA 3050B				QCBatchID:	QC1122635	
Lead	6.44	1	0.32	0.5	mg/Kg	01/20/12	nina
Method: EPA 8015B	Prep Method: EPA 3545				QCBatchID:	QC1122568	
TPH (C6 to C10)	ND	1	1.7	3	mg/Kg	01/20/12	anca
TPH (C10 to C22)	ND	1	0.4	3	mg/Kg	01/20/12	anca
TPH (C22 to C36)	ND	1	2.1	5	mg/Kg	01/20/12	anca

Surrogates for Method EPA 8015B By Prep MethodEPA 3545

Analytes	Percent Recovery	Control Limits
Triacontane (SUR)	76	60-140

Method: EPA 8082	Prep Method: EPA 3545				QCBatchID:	QC1122630	
PCB-1016	ND	1	0.018	0.05	mg/Kg	01/24/12	andrewk
PCB-1221	ND	1	0.014	0.05	mg/Kg	01/24/12	andrewk
PCB-1232	ND	1	0.018	0.05	mg/Kg	01/24/12	andrewk
PCB-1242	ND	1	0.0073	0.05	mg/Kg	01/24/12	andrewk
PCB-1248	ND	1	0.0066	0.05	mg/Kg	01/24/12	andrewk
PCB-1254	ND	1	0.01	0.05	mg/Kg	01/24/12	andrewk
PCB-1260	ND	1	0.018	0.05	mg/Kg	01/24/12	andrewk
PCB-1262	ND	1	0.02	0.05	mg/Kg	01/24/12	andrewk
PCB-1268	ND	1	0.011	0.05	mg/Kg	01/24/12	andrewk

Surrogates for Method EPA 8082 By Prep MethodEPA 3545

Analytes	Percent Recovery	Control Limits
Decachlorobiphenyl DCB (SUR)	89	36-136

Method: EPA 8260B	Prep Method: EPA 5035				QCBatchID:	QC1122638	
1,1,1,2-Tetrachloroethane	ND	1	0.24	5	ug/Kg	01/22/12	nicollez
1,1,1-Trichloroethane	ND	1	0.15	5	ug/Kg	01/22/12	nicollez
1,1,2,2-Tetrachloroethane	ND	1	0.29	5	ug/Kg	01/22/12	nicollez
1,1,2-Trichloroethane	ND	1	0.22	5	ug/Kg	01/22/12	nicollez
1,1,2-Trichlorotrifluoroethane	ND	1	0.74	5	ug/Kg	01/22/12	nicollez
1,1-Dichloroethane	ND	1	0.23	5	ug/Kg	01/22/12	nicollez
1,1-Dichloroethene	ND	1	0.18	5	ug/Kg	01/22/12	nicollez
1,1-Dichloropropene	ND	1	0.21	5	ug/Kg	01/22/12	nicollez
1,2,3-Trichlorobenzene	ND	1	0.18	5	ug/Kg	01/22/12	nicollez
1,2,3-Trichloropropane	ND	1	0.2	5	ug/Kg	01/22/12	nicollez
1,2,4-Trichlorobenzene	ND	1	0.33	5	ug/Kg	01/22/12	nicollez
1,2,4-Trimethylbenzene	ND	1	0.28	5	ug/Kg	01/22/12	nicollez
1,2-Dibromo-3-chloropropane	ND	1	0.2	5	ug/Kg	01/22/12	nicollez
1,2-Dibromoethane	ND	1	0.12	5	ug/Kg	01/22/12	nicollez
1,2-Dichlorobenzene	ND	1	0.18	5	ug/Kg	01/22/12	nicollez
1,2-Dichloroethane	ND	1	0.14	5	ug/Kg	01/22/12	nicollez
1,2-Dichloropropane	ND	1	0.34	5	ug/Kg	01/22/12	nicollez
1,3,5-Trimethylbenzene	ND	1	0.23	5	ug/Kg	01/22/12	nicollez
1,3-Dichlorobenzene	ND	1	0.21	5	ug/Kg	01/22/12	nicollez
1,3-Dichloropropane	ND	1	0.19	5	ug/Kg	01/22/12	nicollez
1,4-Dichlorobenzene	ND	1	0.24	5	ug/Kg	01/22/12	nicollez
2,2-Dichloropropane	ND	1	0.19	5	ug/Kg	01/22/12	nicollez
2-Butanone (MEK)	ND	1	0.72	100	ug/Kg	01/22/12	nicollez
2-Chloroethyl Vinyl Ether	ND	1	0.3	5	ug/Kg	01/22/12	nicollez

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

Sample #:	297883-012	Client:	Advanced Environmental Concepts Inc.
Matrix:	Solid	Client Sample #:	B-3-20'
Collect Date:	01/17/12	Site:	
Collect Time:		Collector:	Client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
2-Chlorotoluene	ND	1	0.25	5	ug/Kg	01/22/12	nicolfez
4-Chlorotoluene	ND	1	0.22	5	ug/Kg	01/22/12	nicolfez
4-Isopropyltoluene	ND	1	0.27	5	ug/Kg	01/22/12	nicolfez
4-Methyl-2-pentanone (MIBK)	ND	1	0.17	5	ug/Kg	01/22/12	nicolfez
Acetone	ND	1	10	100	ug/Kg	01/22/12	nicolfez
Allyl Chloride	ND	1	0.14	5	ug/Kg	01/22/12	nicolfez
Benzene	ND	1	0.18	5	ug/Kg	01/22/12	nicolfez
Bromobenzene	ND	1	0.3	5	ug/Kg	01/22/12	nicolfez
Bromochloromethane	ND	1	0.18	5	ug/Kg	01/22/12	nicolfez
Bromodichloromethane	ND	1	0.2	5	ug/Kg	01/22/12	nicolfez
Bromoform	ND	1	0.19	5	ug/Kg	01/22/12	nicolfez
Bromomethane	ND	1	0.22	5	ug/Kg	01/22/12	nicolfez
Carbon Tetrachloride	ND	1	0.18	5	ug/Kg	01/22/12	nicolfez
Chlorobenzene	ND	1	0.18	5	ug/Kg	01/22/12	nicolfez
Chlorodibromomethane	ND	1	0.19	5	ug/Kg	01/22/12	nicolfez
Chloroethane	ND	1	0.2	5	ug/Kg	01/22/12	nicolfez
Chloroform	ND	1	0.17	5	ug/Kg	01/22/12	nicolfez
Chloromethane	ND	1	0.21	5	ug/Kg	01/22/12	nicolfez
cis-1,2-Dichloroethene	ND	1	0.2	5	ug/Kg	01/22/12	nicolfez
cis-1,3-dichloropropene	ND	1	0.2	5	ug/Kg	01/22/12	nicolfez
cis-1,4-dichloro-2-butene	ND	1	0.2	5	ug/Kg	01/22/12	nicolfez
Dibromomethane	ND	1	0.23	5	ug/Kg	01/22/12	nicolfez
Dichlorodifluoromethane	ND	1	0.23	5	ug/Kg	01/22/12	nicolfez
Di-isopropyl ether (DIPE)	ND	1	0.21	5	ug/Kg	01/22/12	nicolfez
Ethylbenzene	ND	1	0.26	5	ug/Kg	01/22/12	nicolfez
Ethyl-tertbutylether (ETBE)	ND	1	0.42	5	ug/Kg	01/22/12	nicolfez
Hexachlorobutadiene	ND	1	0.38	5	ug/Kg	01/22/12	nicolfez
Isopropylbenzene	ND	1	0.17	5	ug/Kg	01/22/12	nicolfez
m and p-Xylene	ND	1	0.21	5	ug/Kg	01/22/12	nicolfez
Methylene chloride	ND	1	0.22	5	ug/Kg	01/22/12	nicolfez
Methyl-t-butyl Ether (MTBE)	ND	1	0.25	5	ug/Kg	01/22/12	nicolfez
Naphthalene	ND	1	0.28	5	ug/Kg	01/22/12	nicolfez
N-butylbenzene	ND	1	0.16	5	ug/Kg	01/22/12	nicolfez
N-propylbenzene	ND	1	0.19	5	ug/Kg	01/22/12	nicolfez
o-Xylene	ND	1	0.13	5	ug/Kg	01/22/12	nicolfez
Sec-butylbenzene	ND	1	0.34	5	ug/Kg	01/22/12	nicolfez
Styrene	ND	1	0.23	5	ug/Kg	01/22/12	nicolfez
t-Butyl alcohol (TBA)	ND	1	8.8	10	ug/Kg	01/22/12	nicolfez
Tert-amylmethylether (TAME)	ND	1	0.19	5	ug/Kg	01/22/12	nicolfez
Tert-butylbenzene	ND	1	0.18	5	ug/Kg	01/22/12	nicolfez
Tetrachloroethene	ND	1	0.2	5	ug/Kg	01/22/12	nicolfez
Toluene	ND	1	0.23	5	ug/Kg	01/22/12	nicolfez
trans-1,2-dichloroethene	ND	1	0.23	5	ug/Kg	01/22/12	nicolfez
trans-1,3-dichloropropene	ND	1	0.14	5	ug/Kg	01/22/12	nicolfez
trans-1,4-dichloro-2-butene	ND	1	0.38	5	ug/Kg	01/22/12	nicolfez
Trichloroethene	ND	1	0.39	5	ug/Kg	01/22/12	nicolfez
Trichlorofluoromethane	ND	1	0.25	5	ug/Kg	01/22/12	nicolfez
Vinyl Chloride	ND	1	0.18	5	ug/Kg	01/22/12	nicolfez
Xylenes (Total)	ND	1	0.45	5	ug/Kg	01/22/12	nicolfez

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

Sample #:	297883-012	Client:	Advanced Environmental Concepts Inc.
Matrix:	Solid	Client Sample #:	B-3-20'
Collect Date:	01/17/12	Site:	
Collect Time:		Collector:	Client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst

Surrogates for Method EPA 8260B By Prep MethodEPA 5035

Analytes	Percent Recovery	Control Limits
1,2-Dichloroethane-d4 (SUR)	104	70-145
4-Bromofluorobenzene (SUR)	114	70-145
Dibromodifluoromethane (SUR)	104	70-145
Toluene-d8 (SUR)	108	70-145

Method: EPA 8310 Prep Method: EPA 3545 QCBatchID: QC1122539

Naphthalene	ND	1	0.5	mg/Kg	01/24/12	qnguyen
Acenaphthylene	ND	1	0.5	mg/Kg	01/24/12	qnguyen
Acenaphthene	ND	1	0.5	mg/Kg	01/24/12	qnguyen
Fluorene	ND	1	0.15	mg/Kg	01/24/12	qnguyen
Phenanthrene	ND	1	0.1	mg/Kg	01/24/12	qnguyen
Anthracene	ND	1	0.05	mg/Kg	01/24/12	qnguyen
Fluoranthene	ND	1	0.05	mg/Kg	01/24/12	qnguyen
Pyrene	ND	1	0.05	mg/Kg	01/24/12	qnguyen
Benz(a)anthracene	ND	1	0.05	mg/Kg	01/24/12	qnguyen
Chrysene	ND	1	0.05	mg/Kg	01/24/12	qnguyen
Benzo(b)fluoranthene	ND	1	0.05	mg/Kg	01/24/12	qnguyen
Benzo(k)fluoranthene	ND	1	0.05	mg/Kg	01/24/12	qnguyen
Benzo(a)pyrene	ND	1	0.05	mg/Kg	01/24/12	qnguyen
Dibenz(a,h)anthracene	ND	1	0.05	mg/Kg	01/24/12	qnguyen
Benzo(g,h,i)perylene	ND	1	0.05	mg/Kg	01/24/12	qnguyen
Indeno(1,2,3-cd)pyrene	ND	1	0.05	mg/Kg	01/24/12	qnguyen

Surrogates for Method EPA 8310 By Prep MethodEPA 3545

Analytes	Percent Recovery	Control Limits
p-Terphenyl (SUR)	126	55-140

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

Sample #:	297883-013	Client:	Advanced Environmental Concepts Inc.
Matrix:	Solid	Client Sample #:	B-3-30'
Collect Date:	01/17/12	Site:	
Collect Time:		Collector:	Client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Method: EPA 6010B	Prep Method: EPA 3050B				QCBatchID: QC1122535		
Lead	5.63	1	0.32	0.5	mg/Kg	01/20/12	nina
Method: EPA 8015B	Prep Method: EPA 3545				QCBatchID: QC1122538		
TPH (C8 to C10)	ND	1	1.7	3	mg/Kg	01/20/12	anca
TPH (C10 to C22)	ND	1	0.4	3	mg/Kg	01/20/12	anca
TPH (C22 to C36)	ND	1	2.1	5	mg/Kg	01/20/12	anca

Surrogates for Method EPA 8015B By Prep MethodEPA 3545

Analytes	Percent Recovery	Control Limits
Triacontane (SUR)	90	60-140

Method: EPA 8260B	Prep Method: EPA 5035				QCBatchID: QC1122638		
1,1,1,2-Tetrachloroethane	ND	1	0.24	5	ug/Kg	01/22/12	nicollez
1,1,1-Trichloroethane	ND	1	0.15	5	ug/Kg	01/22/12	nicollez
1,1,2,2-Tetrachloroethane	ND	1	0.29	5	ug/Kg	01/22/12	nicollez
1,1,2-Trichloroethane	ND	1	0.22	5	ug/Kg	01/22/12	nicollez
1,1,2-Trichlorotrifluoroethane	ND	1	0.74	5	ug/Kg	01/22/12	nicollez
1,1-Dichloroethane	ND	1	0.23	5	ug/Kg	01/22/12	nicollez
1,1-Dichloroethene	ND	1	0.18	5	ug/Kg	01/22/12	nicollez
1,1-Dichloropropane	ND	1	0.21	5	ug/Kg	01/22/12	nicollez
1,2,3-Trichlorobenzene	ND	1	0.18	5	ug/Kg	01/22/12	nicollez
1,2,3-Trichloropropane	ND	1	0.2	5	ug/Kg	01/22/12	nicollez
1,2,4-Trichlorobenzene	ND	1	0.33	5	ug/Kg	01/22/12	nicollez
1,2,4-Trimethylbenzene	ND	1	0.28	5	ug/Kg	01/22/12	nicollez
1,2-Dibromo-3-chloropropane	ND	1	0.2	5	ug/Kg	01/22/12	nicollez
1,2-Dibromoethane	ND	1	0.12	5	ug/Kg	01/22/12	nicollez
1,2-Dichlorobenzene	ND	1	0.18	5	ug/Kg	01/22/12	nicollez
1,2-Dichloroethane	ND	1	0.14	5	ug/Kg	01/22/12	nicollez
1,2-Dichloropropane	ND	1	0.34	5	ug/Kg	01/22/12	nicollez
1,3,5-Trimethylbenzene	ND	1	0.23	5	ug/Kg	01/22/12	nicollez
1,3-Dichlorobenzene	ND	1	0.21	5	ug/Kg	01/22/12	nicollez
1,3-Dichloropropane	ND	1	0.19	5	ug/Kg	01/22/12	nicollez
1,4-Dichlorobenzene	ND	1	0.24	5	ug/Kg	01/22/12	nicollez
2,2-Dichloropropane	ND	1	0.19	5	ug/Kg	01/22/12	nicollez
2-Butanone (MEK)	ND	1	0.72	100	ug/Kg	01/22/12	nicollez
2-Chloroethyl Vinyl Ether	ND	1	0.3	5	ug/Kg	01/22/12	nicollez
2-Chlorotoluene	ND	1	0.25	5	ug/Kg	01/22/12	nicollez
4-Chlorotoluene	ND	1	0.22	5	ug/Kg	01/22/12	nicollez
4-Isopropyltoluene	ND	1	0.27	5	ug/Kg	01/22/12	nicollez
4-Methyl-2-pentanone (MIBK)	ND	1	0.17	5	ug/Kg	01/22/12	nicollez
Acetone	ND	1	10	100	ug/Kg	01/22/12	nicollez
Allyl Chloride	ND	1	0.14	5	ug/Kg	01/22/12	nicollez
Benzene	ND	1	0.18	5	ug/Kg	01/22/12	nicollez
Bromobenzene	ND	1	0.3	5	ug/Kg	01/22/12	nicollez
Bromochloromethane	ND	1	0.18	5	ug/Kg	01/22/12	nicollez
Bromodichloromethane	ND	1	0.2	5	ug/Kg	01/22/12	nicollez
Bromoform	ND	1	0.19	5	ug/Kg	01/22/12	nicollez
Bromomethane	ND	1	0.22	5	ug/Kg	01/22/12	nicollez
Carbon Tetrachloride	ND	1	0.16	5	ug/Kg	01/22/12	nicollez
Chlorobenzene	ND	1	0.18	5	ug/Kg	01/22/12	nicollez

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

Sample #:	297863-013	Client:	Advanced Environmental Concepts Inc.
Matrix:	Solid	Client Sample #:	B-3-30'
Collect Date:	01/17/12	Site:	
Collect Time:		Collector:	Client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Chlorodibromomethane	ND	1	0.19	5	ug/Kg	01/22/12	nicollez
Chloroethane	ND	1	0.2	5	ug/Kg	01/22/12	nicollez
Chloroform	ND	1	0.17	5	ug/Kg	01/22/12	nicollez
Chloromethane	ND	1	0.21	5	ug/Kg	01/22/12	nicollez
cis-1,2-Dichloroethene	ND	1	0.2	5	ug/Kg	01/22/12	nicollez
cis-1,3-dichloropropene	ND	1	0.2	5	ug/Kg	01/22/12	nicollez
cis-1,4-dichloro-2-butene	ND	1	0.2	5	ug/Kg	01/22/12	nicollez
Dibromomethane	ND	1	0.23	5	ug/Kg	01/22/12	nicollez
Dichlorodifluoromethane	ND	1	0.23	5	ug/Kg	01/22/12	nicollez
Di-isopropyl ether (DIPE)	ND	1	0.21	5	ug/Kg	01/22/12	nicollez
Ethylbenzene	ND	1	0.25	5	ug/Kg	01/22/12	nicollez
Ethyl-tertbutylether (ETBE)	ND	1	0.42	5	ug/Kg	01/22/12	nicollez
Hexachlorobutadiene	ND	1	0.36	5	ug/Kg	01/22/12	nicollez
Isopropylbenzene	ND	1	0.17	5	ug/Kg	01/22/12	nicollez
m and p-Xylene	ND	1	0.21	5	ug/Kg	01/22/12	nicollez
Methylene chloride	ND	1	0.22	5	ug/Kg	01/22/12	nicollez
Methyl-t-butyl Ether (MTBE)	ND	1	0.25	5	ug/Kg	01/22/12	nicollez
Naphthalene	ND	1	0.28	5	ug/Kg	01/22/12	nicollez
N-butylbenzene	ND	1	0.16	5	ug/Kg	01/22/12	nicollez
N-propylbenzene	ND	1	0.19	5	ug/Kg	01/22/12	nicollez
o-Xylene	ND	1	0.13	5	ug/Kg	01/22/12	nicollez
Sec-butylbenzene	ND	1	0.34	5	ug/Kg	01/22/12	nicollez
Styrene	ND	1	0.23	5	ug/Kg	01/22/12	nicollez
t-Butyl alcohol (TBA)	ND	1	8.8	10	ug/Kg	01/22/12	nicollez
Tert-amylmethylether (TAME)	ND	1	0.19	5	ug/Kg	01/22/12	nicollez
Tert-butylbenzene	ND	1	0.18	5	ug/Kg	01/22/12	nicollez
Tetrachloroethene	ND	1	0.2	6	ug/Kg	01/22/12	nicollez
Toluene	ND	1	0.23	5	ug/Kg	01/22/12	nicollez
trans-1,2-dichloroethene	ND	1	0.23	5	ug/Kg	01/22/12	nicollez
trans-1,3-dichloropropene	ND	1	0.14	5	ug/Kg	01/22/12	nicollez
trans-1,4-dichloro-2-butene	ND	1	0.38	5	ug/Kg	01/22/12	nicollez
Trichloroethene	ND	1	0.39	5	ug/Kg	01/22/12	nicollez
Trichlorofluoromethane	ND	1	0.25	5	ug/Kg	01/22/12	nicollez
Vinyl Chloride	ND	1	0.18	5	ug/Kg	01/22/12	nicollez
Xylenes (Total)	ND	1	0.45	5	ug/Kg	01/22/12	nicollez

Surrogates for Method EPA 8260B By Prep MethodEPA 5035

Analytes	Percent Recovery	Control Limits
1,2-Dichloroethane-d4 (SUR)	113	70-145
4-Bromofluorobenzene (SUR)	107	70-145
Dibromodifluoromethane (SUR)	105	70-145
Toluene-d8 (SUR)	112	70-145

Method: EPA 8310 Prep Method: EPA 3545 QCBatchID: QC1122639

Naphthalene	ND	1	0.5	mg/Kg	01/24/12	qnguyen
Acenaphthylene	ND	1	0.5	mg/Kg	01/24/12	qnguyen
Acenaphthene	ND	1	0.5	mg/Kg	01/24/12	qnguyen
Fluorene	ND	1	0.15	mg/Kg	01/24/12	qnguyen
Phenanthrene	ND	1	0.1	mg/Kg	01/24/12	qnguyen
Anthracene	ND	1	0.05	mg/Kg	01/24/12	qnguyen

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

Sample #:	297883-013	Client:	Advanced Environmental Concepts Inc.
Matrix:	Solid	Client Sample #:	B-3-30'
Collect Date:	01/17/12	Site:	
Collect Time:		Collector:	Client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Fluoranthene	ND	1		0.05	mg/Kg	01/24/12	qnguyen
Pyrene	ND	1		0.05	mg/Kg	01/24/12	qnguyen
Benz(a)anthracene	ND	1		0.05	mg/Kg	01/24/12	qnguyen
Chrysene	ND	1		0.05	mg/Kg	01/24/12	qnguyen
Benzo(b)fluoranthene	ND	1		0.05	mg/Kg	01/24/12	qnguyen
Benzo(k)fluoranthene	ND	1		0.05	mg/Kg	01/24/12	qnguyen
Benzo(a)pyrene	ND	1		0.05	mg/Kg	01/24/12	qnguyen
Dibenz(a,h)anthracene	ND	1		0.05	mg/Kg	01/24/12	qnguyen
Benzo(g,h,i)perylene	ND	1		0.05	mg/Kg	01/24/12	qnguyen
Indeno(1,2,3-cd)pyrene	ND	1		0.05	mg/Kg	01/24/12	qnguyen

Surrogates for Method EPA 8310 By Prep MethodEPA 3545

Analytes	Percent Recovery	Control Limits
p-Terphenyl (SUR)	110	55-140

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

Sample #:	297883-014	Client:	Advanced Environmental Concepts Inc.
Matrix:	Solid	Client Sample #:	B-4-5'
Collect Date:	01/17/12	Site:	
Collect Time:		Collector:	Client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Method: EPA 6010B	Prep Method:				QCBatchID:	QC1122535	
Antimony	ND	1	0.37	3	mg/Kg	01/20/12	nina
Arsenic	3.80	1	0.38	1	mg/Kg	01/20/12	nina
Barium	120	1	0.23	1	mg/Kg	01/20/12	nina
Beryllium	0.8	1	0.17	0.5	mg/Kg	01/20/12	nina
Cadmium	0.5	1	0.21	0.5	mg/Kg	01/20/12	nina
Chromium	24.6	1	0.13	1	mg/Kg	01/20/12	nina
Cobalt	12.2	1	0.19	0.5	mg/Kg	01/20/12	nina
Copper	18.7	1	0.31	1	mg/Kg	01/20/12	nina
Lead	8.21	1	0.32	0.5	mg/Kg	01/20/12	nina
Molybdenum	0.3J	1	0.13	1	mg/Kg	01/20/12	nina
Nickel	17.9	1	0.2	1.5	mg/Kg	01/20/12	nina
Selenium	ND	1	0.72	1	mg/Kg	01/20/12	nina
Silver	ND	1	0.13	0.5	mg/Kg	01/20/12	nina
Thallium	ND	1	0.42	1	mg/Kg	01/20/12	nina
Vanadium	42.2	1	0.37	0.5	mg/Kg	01/20/12	nina
Zinc	59.5	1	0.28	5	mg/Kg	01/20/12	nina
Method: EPA 7471A	Prep Method:				QCBatchID:	QC1122553	
Mercury	ND	1	0.02	0.14	mg/Kg	01/20/12	metha
Method: EPA 8015B	Prep Method: EPA 3545				QCBatchID:	QC1122586	
TPH (C6 to C10)	ND	1	1.7	3	mg/Kg	01/20/12	anca
TPH (C10 to C22)	ND	1	0.4	3	mg/Kg	01/20/12	anca
TPH (C22 to C36)	ND	1	2.1	5	mg/Kg	01/20/12	anca

Surrogates for Method EPA 8015B By Prep MethodEPA 3545

Analytes	Percent Recovery	Control Limits
Triacontane (SUR)	98	60-140

Method: EPA 8260B	Prep Method: EPA 5035				QCBatchID:	QC1122638	
1,1,1,2-Tetrachloroethane	ND	1	0.24	5	ug/Kg	01/22/12	nicollez
1,1,1-Trichloroethane	ND	1	0.15	5	ug/Kg	01/22/12	nicollez
1,1,2,2-Tetrachloroethane	ND	1	0.29	5	ug/Kg	01/22/12	nicollez
1,1,2-Trichloroethane	ND	1	0.22	5	ug/Kg	01/22/12	nicollez
1,1,2-Trichlorotrifluoroethane	ND	1	0.74	5	ug/Kg	01/22/12	nicollez
1,1-Dichloroethane	ND	1	0.23	5	ug/Kg	01/22/12	nicollez
1,1-Dichloroethene	ND	1	0.18	5	ug/Kg	01/22/12	nicollez
1,1-Dichloropropene	ND	1	0.21	5	ug/Kg	01/22/12	nicollez
1,2,3-Trichlorobenzene	ND	1	0.18	5	ug/Kg	01/22/12	nicollez
1,2,3-Trichloropropane	ND	1	0.2	5	ug/Kg	01/22/12	nicollez
1,2,4-Trichlorobenzene	ND	1	0.33	5	ug/Kg	01/22/12	nicollez
1,2,4-Trimethylbenzene	ND	1	0.28	5	ug/Kg	01/22/12	nicollez
1,2-Dibromo-3-chloropropane	ND	1	0.2	5	ug/Kg	01/22/12	nicollez
1,2-Dibromoethane	ND	1	0.12	5	ug/Kg	01/22/12	nicollez
1,2-Dichlorobenzene	ND	1	0.18	5	ug/Kg	01/22/12	nicollez
1,2-Dichloroethane	ND	1	0.14	5	ug/Kg	01/22/12	nicollez
1,2-Dichloropropane	ND	1	0.34	5	ug/Kg	01/22/12	nicollez
1,3,5-Trimethylbenzene	ND	1	0.23	5	ug/Kg	01/22/12	nicollez
1,3-Dichlorobenzene	ND	1	0.21	5	ug/Kg	01/22/12	nicollez
1,3-Dichloropropane	ND	1	0.19	5	ug/Kg	01/22/12	nicollez

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

Sample #:	297683-014	Client:	Advanced Environmental Concepts Inc.
Matrix:	Solid	Client Sample #:	B-4-5'
Collect Date:	01/17/12	Site:	
Collect Time:		Collector:	Client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
1,4-Dichlorobenzene	ND	1	0.24	5	ug/Kg	01/22/12	nicollez
2,2-Dichloropropane	ND	1	0.19	5	ug/Kg	01/22/12	nicollez
2-Butanone (MEK)	ND	1	0.72	100	ug/Kg	01/22/12	nicollez
2-Chloroethyl Vinyl Ether	ND	1	0.3	5	ug/Kg	01/22/12	nicollez
2-Chlorotoluene	ND	1	0.25	5	ug/Kg	01/22/12	nicollez
4-Chlorotoluene	ND	1	0.22	5	ug/Kg	01/22/12	nicollez
4-Isopropyltoluene	ND	1	0.27	5	ug/Kg	01/22/12	nicollez
4-Methyl-2-pentanone (MIBK)	ND	1	0.17	5	ug/Kg	01/22/12	nicollez
Acetone	ND	1	10	100	ug/Kg	01/22/12	nicollez
Allyl Chloride	ND	1	0.14	5	ug/Kg	01/22/12	nicollez
Benzene	ND	1	0.18	5	ug/Kg	01/22/12	nicollez
Bromobenzene	ND	1	0.3	5	ug/Kg	01/22/12	nicollez
Bromochloromethane	ND	1	0.16	5	ug/Kg	01/22/12	nicollez
Bromodichloromethane	ND	1	0.2	5	ug/Kg	01/22/12	nicollez
Bromoform	ND	1	0.19	5	ug/Kg	01/22/12	nicollez
Bromomethane	ND	1	0.22	5	ug/Kg	01/22/12	nicollez
Carbon Tetrachloride	ND	1	0.18	5	ug/Kg	01/22/12	nicollez
Chlorobenzene	ND	1	0.18	5	ug/Kg	01/22/12	nicollez
Chlorodibromomethane	ND	1	0.19	5	ug/Kg	01/22/12	nicollez
Chloroethane	ND	1	0.2	5	ug/Kg	01/22/12	nicollez
Chloroform	ND	1	0.17	5	ug/Kg	01/22/12	nicollez
Chloromethane	ND	1	0.21	5	ug/Kg	01/22/12	nicollez
cis-1,2-Dichloroethene	ND	1	0.2	5	ug/Kg	01/22/12	nicollez
cis-1,3-dichloropropene	ND	1	0.2	5	ug/Kg	01/22/12	nicollez
cis-1,4-dichloro-2-butene	ND	1	0.2	5	ug/Kg	01/22/12	nicollez
Dibromomethane	ND	1	0.23	5	ug/Kg	01/22/12	nicollez
Dichlorodifluoromethane	ND	1	0.23	5	ug/Kg	01/22/12	nicollez
Di-isopropyl ether (DIPE)	ND	1	0.21	5	ug/Kg	01/22/12	nicollez
Ethylbenzene	ND	1	0.25	5	ug/Kg	01/22/12	nicollez
Ethyl-tertbutylether (ETBE)	ND	1	0.42	5	ug/Kg	01/22/12	nicollez
Hexachlorobutadiene	ND	1	0.38	5	ug/Kg	01/22/12	nicollez
Isopropylbenzene	ND	1	0.17	5	ug/Kg	01/22/12	nicollez
m and p-Xylene	ND	1	0.21	5	ug/Kg	01/22/12	nicollez
Methylene chloride	ND	1	0.22	5	ug/Kg	01/22/12	nicollez
Methyl-t-butyl Ether (MTBE)	ND	1	0.25	5	ug/Kg	01/22/12	nicollez
Naphthalene	ND	1	0.28	5	ug/Kg	01/22/12	nicollez
N-butylbenzene	ND	1	0.16	5	ug/Kg	01/22/12	nicollez
N-propylbenzene	ND	1	0.19	5	ug/Kg	01/22/12	nicollez
o-Xylene	ND	1	0.13	5	ug/Kg	01/22/12	nicollez
Sec-butylbenzene	ND	1	0.34	5	ug/Kg	01/22/12	nicollez
Styrene	ND	1	0.23	5	ug/Kg	01/22/12	nicollez
t-Butyl alcohol (TBA)	ND	1	8.8	10	ug/Kg	01/22/12	nicollez
Tert-amylmethylether (TAME)	ND	1	0.19	5	ug/Kg	01/22/12	nicollez
Tert-butylbenzene	ND	1	0.18	5	ug/Kg	01/22/12	nicollez
Tetrachloroethene	ND	1	0.2	5	ug/Kg	01/22/12	nicollez
Toluene	ND	1	0.23	5	ug/Kg	01/22/12	nicollez
trans-1,2-dichloroethene	ND	1	0.23	5	ug/Kg	01/22/12	nicollez
trans-1,3-dichloropropene	ND	1	0.14	5	ug/Kg	01/22/12	nicollez
trans-1,4-dichloro-2-butene	ND	1	0.38	5	ug/Kg	01/22/12	nicollez

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

Sample #:	297883-014	Client:	Advanced Environmental Concepts Inc.
Matrix:	Solid	Client Sample #:	B-4-5'
Collect Date:	01/17/12	Site:	
Collect Time:		Collector:	Client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Trichloroethene	ND	1	0.39	5	ug/Kg	01/22/12	nicollez
Trichlorofluoromethane	ND	1	0.25	5	ug/Kg	01/22/12	nicollez
Vinyl Chloride	ND	1	0.16	5	ug/Kg	01/22/12	nicollez
Xylenes (Total)	ND	1	0.45	5	ug/Kg	01/22/12	nicollez

Surrogates for Method EPA 8260B By Prep MethodEPA 5035

Analytes	Percent Recovery	Control Limits
1,2-Dichloroethane-d4 (SUR)	110	70-145
4-Bromofluorobenzene (SUR)	114	70-145
Dibromodifluoromethane (SUR)	106	70-145
Toluene-d8 (SUR)	118	70-145

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

Sample #:	297883-015	Client:	Advanced Environmental Concepts Inc.
Matrix:	Solid	Client Sample #:	B-4-10'
Collect Date:	01/17/12	Site:	
Collect Time:		Collector:	Client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Method: EPA 6010B	Prep Method: EPA 3050B				QCBatchID: QC1122636		
Lead	6.10	1	0.32	0.6	mg/Kg	01/20/12	nina
Method: EPA 8015B	Prep Method: EPA 3545				QCBatchID: QC1122568		
TPH (C6 to C10)	ND	1	1.7	3	mg/Kg	01/20/12	anca
TPH (C10 to C22)	ND	1	0.4	3	mg/Kg	01/20/12	anca
TPH (C22 to C36)	ND	1	2.1	5	mg/Kg	01/20/12	anca

Surrogates for Method EPA 8015B By Prep MethodEPA 3545

Analytes	Percent Recovery	Control Limits
Triacontane (SUR)	96	60-140

Method: EPA 8260B	Prep Method: EPA 5035				QCBatchID: QC1122638		
1,1,1,2-Tetrachloroethane	ND	1	0.24	5	ug/Kg	01/22/12	nicollez
1,1,1-Trichloroethane	ND	1	0.15	5	ug/Kg	01/22/12	nicollez
1,1,2,2-Tetrachloroethane	ND	1	0.29	5	ug/Kg	01/22/12	nicollez
1,1,2-Trichloroethane	ND	1	0.22	5	ug/Kg	01/22/12	nicollez
1,1,2-Trichlorotrifluoroethane	ND	1	0.74	5	ug/Kg	01/22/12	nicollez
1,1-Dichloroethane	ND	1	0.23	5	ug/Kg	01/22/12	nicollez
1,1-Dichloroethene	ND	1	0.18	5	ug/Kg	01/22/12	nicollez
1,1-Dichloropropene	ND	1	0.21	5	ug/Kg	01/22/12	nicollez
1,2,3-Trichlorobenzene	ND	1	0.18	5	ug/Kg	01/22/12	nicollez
1,2,3-Trichloropropane	ND	1	0.2	5	ug/Kg	01/22/12	nicollez
1,2,4-Trichlorobenzene	ND	1	0.33	5	ug/Kg	01/22/12	nicollez
1,2,4-Trimethylbenzene	ND	1	0.28	5	ug/Kg	01/22/12	nicollez
1,2-Dibromo-3-chloropropane	ND	1	0.2	5	ug/Kg	01/22/12	nicollez
1,2-Dibromoethane	ND	1	0.12	5	ug/Kg	01/22/12	nicollez
1,2-Dichlorobenzene	ND	1	0.18	5	ug/Kg	01/22/12	nicollez
1,2-Dichloroethane	ND	1	0.14	6	ug/Kg	01/22/12	nicollez
1,2-Dichloropropane	ND	1	0.34	5	ug/Kg	01/22/12	nicollez
1,3,5-Trimethylbenzene	ND	1	0.23	5	ug/Kg	01/22/12	nicollez
1,3-Dichlorobenzene	ND	1	0.21	5	ug/Kg	01/22/12	nicollez
1,3-Dichloropropane	ND	1	0.19	6	ug/Kg	01/22/12	nicollez
1,4-Dichlorobenzene	ND	1	0.24	5	ug/Kg	01/22/12	nicollez
2,2-Dichloropropane	ND	1	0.19	5	ug/Kg	01/22/12	nicollez
2-Butanone (MEK)	ND	1	0.72	100	ug/Kg	01/22/12	nicollez
2-Chloroethyl Vinyl Ether	ND	1	0.3	5	ug/Kg	01/22/12	nicollez
2-Chlorotoluene	ND	1	0.25	5	ug/Kg	01/22/12	nicollez
4-Chlorotoluene	ND	1	0.22	5	ug/Kg	01/22/12	nicollez
4-Isopropyltoluene	ND	1	0.27	5	ug/Kg	01/22/12	nicollez
4-Methyl-2-pentanone (MIBK)	ND	1	0.17	5	ug/Kg	01/22/12	nicollez
Acetone	ND	1	10	100	ug/Kg	01/22/12	nicollez
Allyl Chloride	ND	1	0.14	5	ug/Kg	01/22/12	nicollez
Benzene	ND	1	0.18	5	ug/Kg	01/22/12	nicollez
Bromobenzene	ND	1	0.3	5	ug/Kg	01/22/12	nicollez
Bromochloromethane	ND	1	0.18	5	ug/Kg	01/22/12	nicollez
Bromodichloromethane	ND	1	0.2	5	ug/Kg	01/22/12	nicollez
Bromoform	ND	1	0.19	5	ug/Kg	01/22/12	nicollez
Bromomethane	ND	1	0.22	5	ug/Kg	01/22/12	nicollez
Carbon Tetrachloride	ND	1	0.18	5	ug/Kg	01/22/12	nicollez
Chlorobenzene	ND	1	0.18	5	ug/Kg	01/22/12	nicollez

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

Sample #:	297883-015	Client:	Advanced Environmental Concepts Inc.
Matrix:	Solid	Client Sample #:	B-4-10'
Collect Date:	01/17/12	Site:	
Collect Time:		Collector:	Client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Chlorodibromomethane	ND	1	0.19	5	ug/Kg	01/22/12	nicoltez
Chloroethane	ND	1	0.2	5	ug/Kg	01/22/12	nicoltez
Chloroform	ND	1	0.17	5	ug/Kg	01/22/12	nicoltez
Chloromethane	ND	1	0.21	5	ug/Kg	01/22/12	nicoltez
cis-1,2-Dichloroethene	ND	1	0.2	5	ug/Kg	01/22/12	nicoltez
cis-1,3-dichloropropene	ND	1	0.2	5	ug/Kg	01/22/12	nicoltez
cis-1,4-dichloro-2-butene	ND	1	0.2	5	ug/Kg	01/22/12	nicoltez
Dibromomethane	ND	1	0.23	5	ug/Kg	01/22/12	nicoltez
Dichlorodifluoromethane	ND	1	0.23	5	ug/Kg	01/22/12	nicoltez
Di-Isopropyl ether (DIPE)	ND	1	0.21	5	ug/Kg	01/22/12	nicoltez
Ethylbenzene	ND	1	0.25	5	ug/Kg	01/22/12	nicoltez
Ethyl-tertbutylether (ETBE)	ND	1	0.42	5	ug/Kg	01/22/12	nicoltez
Hexachlorobutadiene	ND	1	0.38	5	ug/Kg	01/22/12	nicoltez
Isopropylbenzene	ND	1	0.17	5	ug/Kg	01/22/12	nicoltez
m and p-Xylene	ND	1	0.21	5	ug/Kg	01/22/12	nicoltez
Methylene chloride	ND	1	0.22	5	ug/Kg	01/22/12	nicoltez
Methyl-t-butyl Ether (MTBE)	ND	1	0.25	5	ug/Kg	01/22/12	nicoltez
Naphthalene	ND	1	0.28	5	ug/Kg	01/22/12	nicoltez
N-butylbenzene	ND	1	0.16	5	ug/Kg	01/22/12	nicoltez
N-propylbenzene	ND	1	0.19	5	ug/Kg	01/22/12	nicoltez
o-Xylene	ND	1	0.13	5	ug/Kg	01/22/12	nicoltez
Sec-butylbenzene	ND	1	0.34	5	ug/Kg	01/22/12	nicoltez
Styrene	ND	1	0.23	5	ug/Kg	01/22/12	nicoltez
t-Butyl alcohol (TBA)	ND	1	8.8	10	ug/Kg	01/22/12	nicoltez
Tert-amylmethylether (TAME)	ND	1	0.19	5	ug/Kg	01/22/12	nicoltez
Tert-butylbenzene	ND	1	0.18	5	ug/Kg	01/22/12	nicoltez
Tetrachloroethene	ND	1	0.2	5	ug/Kg	01/22/12	nicoltez
Toluene	ND	1	0.23	5	ug/Kg	01/22/12	nicoltez
trans-1,2-dichloroethene	ND	1	0.23	5	ug/Kg	01/22/12	nicoltez
trans-1,3-dichloropropene	ND	1	0.14	5	ug/Kg	01/22/12	nicoltez
trans-1,4-dichloro-2-butene	ND	1	0.38	5	ug/Kg	01/22/12	nicoltez
Trichloroethene	ND	1	0.39	5	ug/Kg	01/22/12	nicoltez
Trichlorofluoromethane	ND	1	0.26	5	ug/Kg	01/22/12	nicoltez
Vinyl Chloride	ND	1	0.18	5	ug/Kg	01/22/12	nicoltez
Xylenes (Total)	ND	1	0.45	5	ug/Kg	01/22/12	nicoltez

Surrogates for Method EPA 8260B By Prep MethodEPA 5035

Analytes	Percent Recovery	Control Limits
1,2-Dichloroethane-d4 (SUR)	106	70-145
4-Bromofluorobenzene (SUR)	102	70-145
Dibromodifluoromethane (SUR)	103	70-145
Toluene-d8 (SUR)	114	70-146

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

Sample #:	297883-016	Client:	Advanced Environmental Concepts Inc.
Matrix:	Solid	Client Sample #:	B-4-15'
Collect Date:	01/17/12	Site:	
Collect Time:		Collector:	Client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Method: EPA 8015B	Prep Method: EPA 3545				QCBatchID: QC1122568		
TPH Diesel	ND	1			mg/Kg	01/20/12	anca
TPH (C8 to C10)	ND	1	1.7	3	mg/Kg	01/20/12	anca
TPH (C10 to C22)	ND	1	0.4	3	mg/Kg	01/20/12	anca
TPH (C22 to C36)	ND	1	2.1	5	mg/Kg	01/20/12	anca

Surrogates for Method EPA 8015B By Prep MethodEPA 3545

Analytes	Percent Recovery	Control Limits
Triacontane (SUR)	99	60-140

Method: EPA 8260B	Prep Method: EPA 5035				QCBatchID: QC1122638		
1,1,1,2-Tetrachloroethane	ND	1	0.24	5	ug/Kg	01/22/12	nicollez
1,1,1-Trichloroethane	ND	1	0.16	5	ug/Kg	01/22/12	nicollez
1,1,2,2-Tetrachloroethane	ND	1	0.29	5	ug/Kg	01/22/12	nicollez
1,1,2-Trichloroethane	ND	1	0.22	5	ug/Kg	01/22/12	nicollez
1,1,2-Trichlorotrifluoroethane	ND	1	0.74	5	ug/Kg	01/22/12	nicollez
1,1-Dichloroethane	ND	1	0.23	5	ug/Kg	01/22/12	nicollez
1,1-Dichloroethene	ND	1	0.18	5	ug/Kg	01/22/12	nicollez
1,1-Dichloropropene	ND	1	0.21	5	ug/Kg	01/22/12	nicollez
1,2,3-Trichlorobenzene	ND	1	0.18	5	ug/Kg	01/22/12	nicollez
1,2,3-Trichloropropane	ND	1	0.2	5	ug/Kg	01/22/12	nicollez
1,2,4-Trichlorobenzene	ND	1	0.33	5	ug/Kg	01/22/12	nicollez
1,2,4-Trimethylbenzene	ND	1	0.28	5	ug/Kg	01/22/12	nicollez
1,2-Dibromo-3-chloropropane	ND	1	0.2	5	ug/Kg	01/22/12	nicollez
1,2-Dibromoethane	ND	1	0.12	5	ug/Kg	01/22/12	nicollez
1,2-Dichlorobenzene	ND	1	0.18	5	ug/Kg	01/22/12	nicollez
1,2-Dichloroethane	ND	1	0.14	5	ug/Kg	01/22/12	nicollez
1,2-Dichloropropane	ND	1	0.34	5	ug/Kg	01/22/12	nicollez
1,3,5-Trimethylbenzene	ND	1	0.23	5	ug/Kg	01/22/12	nicollez
1,3-Dichlorobenzene	ND	1	0.21	5	ug/Kg	01/22/12	nicollez
1,3-Dichloropropane	ND	1	0.19	5	ug/Kg	01/22/12	nicollez
1,4-Dichlorobenzene	ND	1	0.24	5	ug/Kg	01/22/12	nicollez
2,2-Dichloropropane	ND	1	0.19	5	ug/Kg	01/22/12	nicollez
2-Butanone (MEK)	ND	1	0.72	100	ug/Kg	01/22/12	nicollez
2-Chloroethyl Vinyl Ether	ND	1	0.3	5	ug/Kg	01/22/12	nicollez
2-Chlorotoluene	ND	1	0.25	5	ug/Kg	01/22/12	nicollez
4-Chlorotoluene	ND	1	0.22	5	ug/Kg	01/22/12	nicollez
4-Isopropyltoluene	ND	1	0.27	5	ug/Kg	01/22/12	nicollez
4-Methyl-2-pentanone (MIBK)	ND	1	0.17	5	ug/Kg	01/22/12	nicollez
Acetone	ND	1	10	100	ug/Kg	01/22/12	nicollez
Allyl Chloride	ND	1	0.14	5	ug/Kg	01/22/12	nicollez
Benzene	ND	1	0.18	5	ug/Kg	01/22/12	nicollez
Bromobenzene	ND	1	0.3	5	ug/Kg	01/22/12	nicollez
Bromochloromethane	ND	1	0.18	5	ug/Kg	01/22/12	nicollez
Bromodichloromethane	ND	1	0.2	5	ug/Kg	01/22/12	nicollez
Bromoform	ND	1	0.19	5	ug/Kg	01/22/12	nicollez
Bromomethane	ND	1	0.22	5	ug/Kg	01/22/12	nicollez
Carbon Tetrachloride	ND	1	0.18	5	ug/Kg	01/22/12	nicollez
Chlorobenzene	ND	1	0.18	5	ug/Kg	01/22/12	nicollez
Chlorodibromomethane	ND	1	0.19	5	ug/Kg	01/22/12	nicollez

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

Sample #:	297883-016	Client:	Advanced Environmental Concepts Inc.
Matrix:	Solid	Client Sample #:	B-4-15'
Collect Date:	01/17/12	Site:	
Collect Time:		Collector:	Client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Chloroethane	ND	1	0.2	5	ug/Kg	01/22/12	nicoltez
Chloroform	ND	1	0.17	5	ug/Kg	01/22/12	nicoltez
Chloromethane	ND	1	0.21	5	ug/Kg	01/22/12	nicoltez
cis-1,2-Dichloroethene	ND	1	0.2	5	ug/Kg	01/22/12	nicoltez
cis-1,3-dichloropropene	ND	1	0.2	5	ug/Kg	01/22/12	nicoltez
cis-1,4-dichloro-2-butene	ND	1	0.2	5	ug/Kg	01/22/12	nicoltez
Dibromomethane	ND	1	0.23	5	ug/Kg	01/22/12	nicoltez
Dichlorodifluoromethane	ND	1	0.23	5	ug/Kg	01/22/12	nicoltez
Di-isopropyl ether (DIPE)	ND	1	0.21	5	ug/Kg	01/22/12	nicoltez
Ethylbenzene	ND	1	0.25	5	ug/Kg	01/22/12	nicoltez
Ethyl-tertbutylether (ETBE)	ND	1	0.42	5	ug/Kg	01/22/12	nicoltez
Hexachlorobutadiene	ND	1	0.38	5	ug/Kg	01/22/12	nicoltez
Isopropylbenzene	ND	1	0.17	5	ug/Kg	01/22/12	nicoltez
m and p-Xylene	ND	1	0.21	5	ug/Kg	01/22/12	nicoltez
Methylene chloride	ND	1	0.22	5	ug/Kg	01/22/12	nicoltez
Methyl-t-butyl Ether (MTBE)	ND	1	0.25	5	ug/Kg	01/22/12	nicoltez
Naphthalene	ND	1	0.28	5	ug/Kg	01/22/12	nicoltez
N-butylbenzene	ND	1	0.16	5	ug/Kg	01/22/12	nicoltez
N-propylbenzene	ND	1	0.19	5	ug/Kg	01/22/12	nicoltez
o-Xylene	ND	1	0.13	5	ug/Kg	01/22/12	nicoltez
Sec-butylbenzene	ND	1	0.34	5	ug/Kg	01/22/12	nicoltez
Styrene	ND	1	0.23	5	ug/Kg	01/22/12	nicoltez
t-Butyl alcohol (TBA)	ND	1	8.8	10	ug/Kg	01/22/12	nicoltez
Tert-amylmethylether (TAME)	ND	1	0.19	5	ug/Kg	01/22/12	nicoltez
Tert-butylbenzene	ND	1	0.18	5	ug/Kg	01/22/12	nicoltez
Tetrachloroethene	ND	1	0.2	5	ug/Kg	01/22/12	nicoltez
Toluene	ND	1	0.23	5	ug/Kg	01/22/12	nicoltez
trans-1,2-dichloroethene	ND	1	0.23	5	ug/Kg	01/22/12	nicoltez
trans-1,3-dichloropropene	ND	1	0.14	5	ug/Kg	01/22/12	nicoltez
trans-1,4-dichloro-2-butene	ND	1	0.38	5	ug/Kg	01/22/12	nicoltez
Trichloroethene	ND	1	0.39	5	ug/Kg	01/22/12	nicoltez
Trichlorofluoromethane	ND	1	0.25	5	ug/Kg	01/22/12	nicoltez
Vinyl Chloride	ND	1	0.18	5	ug/Kg	01/22/12	nicoltez
Xylenes (Total)	ND	1	0.45	5	ug/Kg	01/22/12	nicoltez

Surrogates for Method EPA 8260B By Prep MethodEPA 5035

Analytes	Percent Recovery	Control Limits
1,2-Dichloroethane-d4 (SUR)	105	70-145
4-Bromofluorobenzene (SUR)	110	70-145
Dibromodifluoromethane (SUR)	104	70-145
Toluene-d8 (SUR)	116	70-145

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

Sample #:	297883-017	Client:	Advanced Environmental Concepts Inc.
Matrix:	Solid	Client Sample #:	B-4-20'
Collect Date:	01/17/12	Site:	
Collect Time:		Collector:	Client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Method: EPA 6010B	Prep Method:				QCBatchID:	QC1122635	
Antimony	ND	1	0.37	3	mg/Kg	01/20/12	nina
Arsenic	6.54	1	0.36	1	mg/Kg	01/20/12	nina
Barium	87.7	1	0.23	1	mg/Kg	01/20/12	nina
Beryllium	0.8	1	0.17	0.5	mg/Kg	01/20/12	nina
Cadmium	0.3J	1	0.21	0.5	mg/Kg	01/20/12	nina
Chromium	20.3	1	0.13	1	mg/Kg	01/20/12	nina
Cobalt	10.1	1	0.19	0.5	mg/Kg	01/20/12	nina
Copper	13.6	1	0.31	1	mg/Kg	01/20/12	nina
Lead	5.75	1	0.32	0.5	mg/Kg	01/20/12	nina
Molybdenum	2.59	1	0.13	1	mg/Kg	01/20/12	nina
Nickel	14.1	1	0.2	1.5	mg/Kg	01/20/12	nina
Selenium	ND	1	0.72	1	mg/Kg	01/20/12	nina
Silver	ND	1	0.13	0.5	mg/Kg	01/20/12	nina
Thallium	ND	1	0.42	1	mg/Kg	01/20/12	nina
Vanadium	36.4	1	0.37	0.5	mg/Kg	01/20/12	nina
Zinc	58.8	1	0.28	5	mg/Kg	01/20/12	nina
Method: EPA 7471A	Prep Method:				QCBatchID:	QC1122553	
Mercury	ND	1	0.02	0.14	mg/Kg	01/20/12	metha
Method: EPA 8015B	Prep Method: EPA 3545				QCBatchID:	QC1122568	
TPH (C8 to C10)	ND	1	1.7	3	mg/Kg	01/20/12	anca
TPH (C10 to C22)	ND	1	0.4	3	mg/Kg	01/20/12	anca
TPH (C22 to C36)	ND	1	2.1	5	mg/Kg	01/20/12	anca

Surrogates for Method EPA 8015B By Prep MethodEPA 3545

Analytes	Percent Recovery	Control Limits
Triacontane (SUR)	65	60-140

Method: EPA 8082	Prep Method: EPA 3545				QCBatchID:	QC1122630	
PCB-1016	ND	1	0.018	0.05	mg/Kg	01/24/12	andrewk
PCB-1221	ND	1	0.014	0.05	mg/Kg	01/24/12	andrewk
PCB-1232	ND	1	0.018	0.05	mg/Kg	01/24/12	andrewk
PCB-1242	ND	1	0.0073	0.05	mg/Kg	01/24/12	andrewk
PCB-1248	ND	1	0.0066	0.05	mg/Kg	01/24/12	andrewk
PCB-1254	ND	1	0.01	0.05	mg/Kg	01/24/12	andrewk
PCB-1260	ND	1	0.018	0.05	mg/Kg	01/24/12	andrewk
PCB-1262	ND	1	0.02	0.05	mg/Kg	01/24/12	andrewk
PCB-1268	ND	1	0.011	0.05	mg/Kg	01/24/12	andrewk

Surrogates for Method EPA 8082 By Prep MethodEPA 3545

Analytes	Percent Recovery	Control Limits
Decachlorobiphenyl DCB (SUR)	84	36-136

Method: EPA 8260B	Prep Method: EPA 5035				QCBatchID:	QC1122638	
1,1,1,2-Tetrachloroethane	ND	1	0.24	5	ug/Kg	01/22/12	nicollez
1,1,1-Trichloroethane	ND	1	0.15	5	ug/Kg	01/22/12	nicollez
1,1,2,2-Tetrachloroethane	ND	1	0.29	5	ug/Kg	01/22/12	nicollez
1,1,2-Trichloroethane	ND	1	0.22	5	ug/Kg	01/22/12	nicollez
1,1,2-Trichlorotrifluoroethane	ND	1	0.74	5	ug/Kg	01/22/12	nicollez
1,1-Dichloroethane	ND	1	0.23	5	ug/Kg	01/22/12	nicollez

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

Sample #:	297883-017	Client:	Advanced Environmental Concepts Inc.
Matrix:	Solid	Client Sample #:	B-4-20'
Collect Date:	01/17/12	Site:	
Collect Time:		Collector:	Client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
1,1-Dichloroethene	ND	1	0.16	5	ug/Kg	01/22/12	nicoltez
1,1-Dichloropropane	ND	1	0.21	5	ug/Kg	01/22/12	nicoltez
1,2,3-Trichlorobenzene	ND	1	0.18	5	ug/Kg	01/22/12	nicoltez
1,2,3-Trichloropropane	ND	1	0.2	5	ug/Kg	01/22/12	nicoltez
1,2,4-Trichlorobenzene	ND	1	0.33	5	ug/Kg	01/22/12	nicoltez
1,2,4-Trimethylbenzene	ND	1	0.28	5	ug/Kg	01/22/12	nicoltez
1,2-Dibromo-3-chloropropane	ND	1	0.2	5	ug/Kg	01/22/12	nicoltez
1,2-Dibromoethane	ND	1	0.12	5	ug/Kg	01/22/12	nicoltez
1,2-Dichlorobenzene	ND	1	0.18	5	ug/Kg	01/22/12	nicoltez
1,2-Dichloroethane	ND	1	0.14	5	ug/Kg	01/22/12	nicoltez
1,2-Dichloropropane	ND	1	0.34	5	ug/Kg	01/22/12	nicoltez
1,3,5-Trimethylbenzene	ND	1	0.23	5	ug/Kg	01/22/12	nicoltez
1,3-Dichlorobenzene	ND	1	0.21	5	ug/Kg	01/22/12	nicoltez
1,3-Dichloropropane	ND	1	0.19	5	ug/Kg	01/22/12	nicoltez
1,4-Dichlorobenzene	ND	1	0.24	5	ug/Kg	01/22/12	nicoltez
2,2-Dichloropropane	ND	1	0.19	5	ug/Kg	01/22/12	nicoltez
2-Butanone (MEK)	ND	1	0.72	100	ug/Kg	01/22/12	nicoltez
2-Chloroethyl Vinyl Ether	ND	1	0.3	5	ug/Kg	01/22/12	nicoltez
2-Chlorotoluene	ND	1	0.25	5	ug/Kg	01/22/12	nicoltez
4-Chlorotoluene	ND	1	0.22	5	ug/Kg	01/22/12	nicoltez
4-Isopropyltoluene	ND	1	0.27	5	ug/Kg	01/22/12	nicoltez
4-Methyl-2-pentanone (MIBK)	ND	1	0.17	5	ug/Kg	01/22/12	nicoltez
Acetone	ND	1	10	100	ug/Kg	01/22/12	nicoltez
Allyl Chloride	ND	1	0.14	5	ug/Kg	01/22/12	nicoltez
Benzene	ND	1	0.18	5	ug/Kg	01/22/12	nicoltez
Bromobenzene	ND	1	0.3	5	ug/Kg	01/22/12	nicoltez
Bromochloromethane	ND	1	0.16	5	ug/Kg	01/22/12	nicoltez
Bromodichloromethane	ND	1	0.2	5	ug/Kg	01/22/12	nicoltez
Bromoform	ND	1	0.19	5	ug/Kg	01/22/12	nicoltez
Bromomethane	ND	1	0.22	5	ug/Kg	01/22/12	nicoltez
Carbon Tetrachloride	ND	1	0.16	5	ug/Kg	01/22/12	nicoltez
Chlorobenzene	ND	1	0.18	5	ug/Kg	01/22/12	nicoltez
Chlorodibromomethane	ND	1	0.19	5	ug/Kg	01/22/12	nicoltez
Chloroethane	ND	1	0.2	5	ug/Kg	01/22/12	nicoltez
Chloroform	ND	1	0.17	5	ug/Kg	01/22/12	nicoltez
Chloromethane	ND	1	0.21	5	ug/Kg	01/22/12	nicoltez
cis-1,2-Dichloroethene	ND	1	0.2	5	ug/Kg	01/22/12	nicoltez
cis-1,3-dichloropropene	ND	1	0.2	5	ug/Kg	01/22/12	nicoltez
cis-1,4-dichloro-2-butene	ND	1	0.2	5	ug/Kg	01/22/12	nicoltez
Dibromomethane	ND	1	0.23	5	ug/Kg	01/22/12	nicoltez
Dichlorodifluoromethane	ND	1	0.23	5	ug/Kg	01/22/12	nicoltez
Di-isopropyl ether (DIPE)	ND	1	0.21	5	ug/Kg	01/22/12	nicoltez
Ethylbenzene	ND	1	0.26	5	ug/Kg	01/22/12	nicoltez
Ethyl-tertbutylether (ETBE)	ND	1	0.42	5	ug/Kg	01/22/12	nicoltez
Hexachlorobutadiene	ND	1	0.38	5	ug/Kg	01/22/12	nicoltez
Isopropylbenzene	ND	1	0.17	5	ug/Kg	01/22/12	nicoltez
m and p-Xylene	ND	1	0.21	5	ug/Kg	01/22/12	nicoltez
Methylene chloride	ND	1	0.22	5	ug/Kg	01/22/12	nicoltez
Methyl-t-butyl Ether (MTBE)	ND	1	0.25	5	ug/Kg	01/22/12	nicoltez

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

Sample #:	297883-017	Client:	Advanced Environmental Concepts Inc.
Matrix:	Solid	Client Sample #:	B-4-20'
Collect Date:	01/17/12	Site:	
Collect Time:		Collector:	Client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Naphthalene	ND	1	0.28	5	ug/Kg	01/22/12	nicollez
N-butylbenzene	ND	1	0.16	5	ug/Kg	01/22/12	nicollez
N-propylbenzene	ND	1	0.19	5	ug/Kg	01/22/12	nicollez
o-Xylene	ND	1	0.13	5	ug/Kg	01/22/12	nicollez
Sec-butylbenzene	ND	1	0.34	5	ug/Kg	01/22/12	nicollez
Styrene	ND	1	0.23	5	ug/Kg	01/22/12	nicollez
t-Butyl alcohol (TBA)	ND	1	8.8	10	ug/Kg	01/22/12	nicollez
Tert-amylmethylether (TAME)	ND	1	0.19	5	ug/Kg	01/22/12	nicollez
Tert-butylbenzene	ND	1	0.18	5	ug/Kg	01/22/12	nicollez
Tetrachloroethene	ND	1	0.2	5	ug/Kg	01/22/12	nicollez
Toluene	ND	1	0.23	5	ug/Kg	01/22/12	nicollez
trans-1,2-dichloroethene	ND	1	0.23	5	ug/Kg	01/22/12	nicollez
trans-1,3-dichloropropene	ND	1	0.14	5	ug/Kg	01/22/12	nicollez
trans-1,4-dichloro-2-butene	ND	1	0.38	5	ug/Kg	01/22/12	nicollez
Trichloroethene	ND	1	0.39	5	ug/Kg	01/22/12	nicollez
Trichlorofluoromethane	ND	1	0.25	5	ug/Kg	01/22/12	nicollez
Vinyl Chloride	ND	1	0.18	5	ug/Kg	01/22/12	nicollez
Xylenes (Total)	ND	1	0.45	5	ug/Kg	01/22/12	nicollez

Surrogates for Method EPA 8260B By Prep MethodEPA 5035

Analytes	Percent Recovery	Control Limits
1,2-Dichloroethane-d4 (SUR)	103	70-145
4-Bromofluorobenzene (SUR)	105	70-145
Dibromodifluoromethane (SUR)	99	70-145
Toluene-d8 (SUR)	113	70-145

ND = Not Deteced or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

Sample #:	297883-018	Client:	Advanced Environmental Concepts Inc.
Matrix:	Water	Client Sample #:	B-3W
Collect Date:	01/17/12	Site:	
Collect Time:		Collector:	Client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Method: EPA 8260B	Prep Method: EPA 5030B				QCBatchID: QC1122524		
1,1,1,2-Tetrachloroethane	ND	1	0.25	5	ug/L	01/19/12	ryanp
1,1,1-Trichloroethane	ND	1	0.38	5	ug/L	01/19/12	ryanp
1,1,2,2-Tetrachloroethane	ND	1	0.25	5	ug/L	01/19/12	ryanp
1,1,2-Trichloroethane	ND	1	0.25	5	ug/L	01/19/12	ryanp
1,1,2-Trichlorotrifluoroethane	ND	1	0.29	5	ug/L	01/19/12	ryanp
1,1-Dichloroethane	ND	1	0.32	5	ug/L	01/19/12	ryanp
1,1-Dichloroethene	ND	1	0.3	5	ug/L	01/19/12	ryanp
1,1-Dichloropropene	ND	1	0.25	5	ug/L	01/19/12	ryanp
1,2,3-Trichlorobenzene	ND	1	0.28	5	ug/L	01/19/12	ryanp
1,2,3-Trichloropropane	ND	1	0.16	5	ug/L	01/19/12	ryanp
1,2,4-Trichlorobenzene	ND	1	0.27	5	ug/L	01/19/12	ryanp
1,2,4-Trimethylbenzene	ND	1	0.28	5	ug/L	01/19/12	ryanp
1,2-Dibromo-3-chloropropane	ND	1	0.12	5	ug/L	01/19/12	ryanp
1,2-Dibromoethane	ND	1	0.19	5	ug/L	01/19/12	ryanp
1,2-Dichlorobenzene	ND	1	0.28	5	ug/L	01/19/12	ryanp
1,2-Dichloroethane	ND	1	0.2	5	ug/L	01/19/12	ryanp
1,2-Dichloropropane	ND	1	0.35	5	ug/L	01/19/12	ryanp
1,3,5-Trimethylbenzene	ND	1	0.24	5	ug/L	01/19/12	ryanp
1,3-Dichlorobenzene	ND	1	0.34	5	ug/L	01/19/12	ryanp
1,3-Dichloropropane	ND	1	0.19	5	ug/L	01/19/12	ryanp
1,4-Dichlorobenzene	ND	1	0.43	5	ug/L	01/19/12	ryanp
2,2-Dichloropropane	ND	1	0.32	5	ug/L	01/19/12	ryanp
2-Butanone (MEK)	ND	1	0.78	100	ug/L	01/19/12	ryanp
2-Chloroethyl Vinyl Ether	ND	1	0.23	5	ug/L	01/19/12	ryanp
2-Chlorotoluene	ND	1	0.33	5	ug/L	01/19/12	ryanp
4-Chlorotoluene	ND	1	0.31	5	ug/L	01/19/12	ryanp
4-Isopropyltoluene	ND	1	0.32	5	ug/L	01/19/12	ryanp
4-Methyl-2-pentanone (MIBK)	ND	1	0.12	5	ug/L	01/19/12	ryanp
Acetone	ND	1	10	100	ug/L	01/19/12	ryanp
Allyl Chloride	ND	1	0.19	5	ug/L	01/19/12	ryanp
Benzene	ND	1	0.16	1	ug/L	01/19/12	ryanp
Bromobenzene	ND	1	0.53	5	ug/L	01/19/12	ryanp
Bromochloromethane	ND	1	0.17	5	ug/L	01/19/12	ryanp
Bromodichloromethane	ND	1	0.31	5	ug/L	01/19/12	ryanp
Bromoform	ND	1	0.13	5	ug/L	01/19/12	ryanp
Bromomethane	ND	1	0.68	5	ug/L	01/19/12	ryanp
Carbon Tetrachloride	ND	1	0.27	5	ug/L	01/19/12	ryanp
Chlorobenzene	ND	1	0.19	5	ug/L	01/19/12	ryanp
Chlorodibromomethane	ND	1	0.21	5	ug/L	01/19/12	ryanp
Chloroethane	ND	1	0.45	5	ug/L	01/19/12	ryanp
Chloroform	ND	1	0.18	5	ug/L	01/19/12	ryanp
Chloromethane	ND	1	0.27	5	ug/L	01/19/12	ryanp
cis-1,2-Dichloroethene	ND	1	0.27	5	ug/L	01/19/12	ryanp
cis-1,3-dichloropropene	ND	1	0.25	5	ug/L	01/19/12	ryanp
cis-1,4-dichloro-2-butene	ND	1	0.17	5	ug/L	01/19/12	ryanp
Dibromomethane	ND	1	0.23	5	ug/L	01/19/12	ryanp
Dichlorodifluoromethane	ND	1	0.33	5	ug/L	01/19/12	ryanp
Di-isopropyl ether (DIPE)	ND	1	0.2	1	ug/L	01/19/12	ryanp

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

Sample #:	297883-018	Client:	Advanced Environmental Concepts Inc.
Matrix:	Water	Client Sample #:	B-3W
Collect Date:	01/17/12	Site:	
Collect Time:		Collector:	Client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Ethylbenzene	ND	1	0.21	5	ug/L	01/19/12	ryanp
Ethyl-tertbutylether (ETBE)	ND	1	0.23	1	ug/L	01/19/12	ryanp
Hexachlorobutadiene	ND	1	0.51	5	ug/L	01/19/12	ryanp
Isopropylbenzene	ND	1	0.24	5	ug/L	01/19/12	ryanp
m and p-Xylene	ND	1	0.45	5	ug/L	01/19/12	ryanp
Methylene chloride	ND	1	0.16	5	ug/L	01/19/12	ryanp
Methyl-t-butyl Ether (MTBE)	ND	1	0.19	1	ug/L	01/19/12	ryanp
Naphthalene	ND	1	0.25	5	ug/L	01/19/12	ryanp
N-butylbenzene	ND	1	0.25	5	ug/L	01/19/12	ryanp
N-propylbenzene	ND	1	0.31	5	ug/L	01/19/12	ryanp
o-Xylene	ND	1	0.20	5	ug/L	01/19/12	ryanp
Sec-butylbenzene	ND	1	0.32	5	ug/L	01/19/12	ryanp
Styrene	ND	1	0.22	5	ug/L	01/19/12	ryanp
t-Butyl alcohol (TBA)	ND	1	5.2	10	ug/L	01/19/12	ryanp
Tert-amylmethylether (TAME)	ND	1	0.19	1	ug/L	01/19/12	ryanp
Tert-butylbenzene	ND	1	0.4	5	ug/L	01/19/12	ryanp
Tetrachloroethene	ND	1	0.8	5	ug/L	01/19/12	ryanp
Toluene	ND	1	0.24	5	ug/L	01/19/12	ryanp
trans-1,2-dichloroethene	ND	1	0.33	5	ug/L	01/19/12	ryanp
trans-1,3-dichloropropene	ND	1	0.23	5	ug/L	01/19/12	ryanp
trans-1,4-dichloro-2-butene	ND	1	0.17	5	ug/L	01/19/12	ryanp
Trichloroethene	ND	1	0.39	5	ug/L	01/19/12	ryanp
Trichlorofluoromethane	ND	1	0.25	5	ug/L	01/19/12	ryanp
Vinyl Chloride	ND	1	0.18	5	ug/L	01/19/12	ryanp
Xylenes (Total)	ND	1	0.45	5	ug/L	01/19/12	ryanp

Surrogates for Method EPA 8260B By Prep MethodEPA 5030B

Analytes	Percent Recovery	Control Limits
1,2-Dichloroethane-d4 (SUR)	126	70-145
4-Bromofluorobenzene (SUR)	103	70-145
Dibromodifluoromethane (SUR)	102	70-145
Toluene-d8 (SUR)	100	70-145

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

ASSOCIATED LABORATORIES QC SUMMARY FOR LAB REQUEST 297883

QCBatchID: QC1122487 Created By: enca Method: EPA 8015B

Matrix: Water Created Date: 01/18/12 Instrument SVOA-GC (group)

Lab Control Spike/ Lab Control Spike Duplicate Summary

QCLabID: QC1122487LCS1, QC1122487LCSD Analysis Date: 01/18/12

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	% Recoveries %LCS	% Recoveries %LCSD	% Recoveries RPD	Acceptance Criteria %Rec	Acceptance Criteria %RPD
TPH Diesel	1	1	0.74	0.89	mg/L	74	89	18	70-130	0-30

QCLabID: QC1122487MB1

Analysis Date: 01/18/12

BLANK SUMMARY

Analyte	Blank Results	Units
All Analytes are ND		

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

ASSOCIATED LABORATORIES QC SUMMARY FOR LAB REQUEST 297883

QCBatchID: QC1122491 Created By: metha Method: EPA 7470A

Matrix: Water Created Date: 01/18/12 Instrument AAICP-HG1

Matrix Spike/Matrix Spike Duplicate Summary

QCLabID QC1122491MS1, QC1122491MSD1 Source Sample #: 297810-002 Analysis Date: 01/18/12

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	% Recoveries %MS	% Recoveries %MSD	% Recoveries RPD	Acceptance Criteria %Rec	Acceptance Criteria %RPD
Mercury	ND	5	5	5.40	5.30	ug/L	108	106	1.9	76-125	0-20

Lab Control Spike/ Lab Control Spike Duplicate Summary

QCLabID: QC1122491LCS1 Analysis Date: 01/18/12

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	% Recoveries %LCS	% Recoveries %LCSD	% Recoveries RPD	Acceptance Criteria %Rec	Acceptance Criteria %RPD
Mercury	5		5.0		ug/L	100			80-120	-

QCLabID: QC1122491MB1
Analysis Date: 01/18/12

BLANK SUMMARY

Analyte	Blank Results	Units
All Analytes are ND		

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

ASSOCIATED LABORATORIES QC SUMMARY FOR LAB REQUEST 297883

QCBatchID: QC1122523 Created By: anni Method: EPA 6010B

Matrix: Water Created Date: 01/19/12 Instrument AAICP (group)

Matrix Spike/Matrix Spike Duplicate Summary

QCLabID QC1122523MS1, QC1122523MSD1 Source Sample #: 297883-003 Analysis Date: 01/19/12

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	% Recoveries %MS	% Recoveries %MSD	% Recoveries RPD	Acceptance Criteria %Rec	Acceptance Criteria %RPD
Antimony	0.512	5	5	4.31	4.28	mg/L	76	75	0.7	75-125	0-20
Arsenic	0.834	5	5	5.90	6.02	mg/L	101	104	2.0	75-125	0-20
Barium	31.1	5	5	36.6	37.3	mg/L	110	124	1.9	75-125	0-20
Beryllium	0.010	5	5	4.63	4.77	mg/L	92	95	3.0	75-125	0-20
Cadmium	0.051	5	5	4.50	4.60	mg/L	89	91	2.2	75-125	0-20
Chromium	0.772	5	5	5.25	5.40	mg/L	90	93	2.8	75-125	0-20
Cobalt	0.200	5	5	4.29	4.37	mg/L	82	83	1.8	75-125	0-20
Copper	2.75	5	5	7.38	7.62	mg/L	93	97	3.2	75-125	0-20
Lead	9.55	5	5	13.6	13.7	mg/L	81	83	0.7	75-125	0-20
Molybdenum	0.147	5	5	4.18	4.24	mg/L	80	82	1.9	75-125	0-20
Nickel	0.462	5	5	4.74	4.82	mg/L	86	87	1.7	75-125	0-20
Selenium	ND	5	5	3.49	3.42	mg/L	70	68	2.0	75-125	0-20
Silver	0.020	2.5	2.5	2.09	2.19	mg/L	83	87	4.7	75-125	0-20
Thallium	0.032	5	5	3.92	4.01	mg/L	78	80	2.3	75-125	0-20
Vanadium	0.404	5	5	5.02	5.16	mg/L	92	95	2.8	75-125	0-20
Zinc	55.7	5	5	61.2	62.5	mg/L	110	136	2.1	75-125	0-20

Lab Control Spike/ Lab Control Spike Duplicate Summary

QCLabID: QC1122523LCS1 Analysis Date: 01/19/12

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	% Recoveries %LCS	% Recoveries %LCSD	% Recoveries RPD	Acceptance Criteria %Rec	Acceptance Criteria %RPD
Antimony	2		2.21		mg/L	111			80-120	-
Arsenic	2		2.16		mg/L	108			80-120	-
Barium	2		2.22		mg/L	111			80-120	-
Beryllium	2		2.06		mg/L	103			80-120	-
Cadmium	2		2.14		mg/L	107			80-120	-
Chromium	2		2.14		mg/L	107			80-120	-
Cobalt	2		1.99		mg/L	100			80-120	-
Copper	2		2.1		mg/L	105			80-120	-
Lead	2		1.99		mg/L	100			80-120	-
Molybdenum	2		1.9		mg/L	95			80-120	-
Nickel	2		2		mg/L	100			80-120	-
Selenium	2		2.07		mg/L	104			80-120	-
Silver	1		1.05		mg/L	105			80-120	-
Thallium	2		2.11		mg/L	106			80-120	-
Vanadium	2		2.16		mg/L	108			80-120	-
Zinc	2		1.96		mg/L	98			80-120	-

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

ASSOCIATED LABORATORIES QC SUMMARY FOR LAB REQUEST 297883

QCBatchID:	QC1122523	Created By:	ahal	Method:	EPA 60108
Matrix:	Water	Created Date:	01/19/12	Instrument	AA/CP (group)

QCLabID: QC1122523MB1
Analysis Date: 01/19/12

BLANK SUMMARY

Analyte	Blank Results	Units
All Analytes are ND		

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

ASSOCIATED LABORATORIES QC SUMMARY FOR LAB REQUEST 297663

QCBatchID: QC1122524 Created By: ryasp Method: EPA 8260B

Matrix: Water Created Date: 01/19/12 Instrument VOA-MS (group)

Lab Control Spike/ Lab Control Spike Duplicate Summary

QCLabID: QC1122524LCS1 Analysis Date: 01/19/12

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	% Recoveries %LCS	% Recoveries %LCSD	% Recoveries RPD	Acceptance Criteria %Rec	Acceptance Criteria %RPD
1,1-Dichloroethene	50		48.2		ug/L	96			69-172	-
Benzene	50		46		ug/L	92			62-137	-
Chlorobenzene	50		43.9		ug/L	88			60-133	-
Methyl-t-butyl Ether (MTBE)	50		45		ug/L	90			62-137	-
Toluene	50		44		ug/L	88			59-139	-
Trichloroethene	50		43.2		ug/L	86			68-142	-

QCLabID: QC1122524MB1

Analysis Date: 01/19/12

BLANK SUMMARY

Analyte	Blank Results	Units
All Analytes are ND		

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

ASSOCIATED LABORATORIES QC SUMMARY FOR LAB REQUEST 297883

QCBatchID: QC1122535 Created By: emt Method: EPA 6010B

Matrix: Solid Created Date: 01/19/12 Instrument AA/ICP (group)

Matrix Spike/Matrix Spike Duplicate Summary

QCLabID QC1122535MS1, QC1122535MSD1 Source Sample #: 297883-006 Analysis Date: 01/19/12

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	% Recoveries %MS	% Recoveries %MSD	% Recoveries RPD	Acceptance Criteria %Rec	Acceptance Criteria %RPD
Aluminum	12400	100	100	13300	12600	mg/Kg	900	200	5.4	75-125	0-20
Antimony	ND	100	100	92.8	94.4	mg/Kg	93	94	1.7	75-125	0-20
Arsenic	1.15	100	100	115	115	mg/Kg	114	114	0.0	75-125	0-20
Barium	85.7	100	100	181	180	mg/Kg	95	94	0.6	75-125	0-20
Beryllium	0.7	100	100	117	109	mg/Kg	116	108	7.1	75-125	0-20
Bismuth	ND	100	100			mg/Kg	0	4		75-125	0-20
Boron	13.4	100	100	99.7	98.4	mg/Kg	86	85	1.3	75-125	0-20
Cadmium	0.3	100	100	111	110	mg/Kg	111	110	0.9	75-125	0-20
Calcium	7120	100	1000	7480	7470	mg/Kg	360	35	0.1	75-125	0-20
Chromium	19.9	100	100	135	133	mg/Kg	115	113	1.5	75-125	0-20
Cobalt	10.5	100	100	118	118	mg/Kg	108	108	0.0	75-125	0-20
Copper	11.3	100	100	122	121	mg/Kg	111	110	0.8	75-125	0-20
Iron	17500	100	100	17700	18900	mg/Kg	200	1400	6.6	75-125	0-20
Lead	6.26	100	100	109	109	mg/Kg	104	104	0.0	75-125	0-20
Lithium	7.52	100	100	104	116	mg/Kg	96	108	10.9	75-125	0-20
Magnesium	8000	1000	1000	8970	9050	mg/Kg	37	45	0.9	75-125	0-20
Manganese	356	100	100	474	446	mg/Kg	118	90	6.1	75-125	0-20
Molybdenum	0.5	100	100	102	103	mg/Kg	101	102	1.0	75-125	0-20
Nickel	13.9	100	100	123	122	mg/Kg	109	108	0.8	75-125	0-20
Phosphorus	692	100	100			mg/Kg	0	30		75-125	0-20
Potassium	5400	2000	2000	6710	6750	mg/Kg	66	68	0.6	75-125	0-20
Selenium	ND	100	100	82.3	84.5	mg/Kg	104	85	2.6	75-125	0-20
Silicon	944	100	100	1030	1020	mg/Kg	86	78	1.0	75-125	0-20
Silver	ND	50	50	39.1	39.1	mg/Kg	78	78	0.0	75-125	0-20
Strontium	29.1	100	100	138	138	mg/Kg	109	109	0.0	75-125	0-20
Sulfur	822	100	100			mg/Kg	13	12		75-125	0-20
Thallium	ND	100	100	99.7	100	mg/Kg	101	100	0.3	75-125	0-20
Tin	ND	100	100		-4.4	mg/Kg	0	0		75-125	0-20
Titanium	1390	100	100			mg/Kg	170	300		75-125	0-20
Vanadium	37.9	100	100	152	153	mg/Kg	114	115	0.7	75-125	0-20
Zinc	55.4	100	100	165	165	mg/Kg	110	110	0.0	75-125	0-20

Lab Control Spike/ Lab Control Spike Duplicate Summary

QCLabID: QC1122535LCS1 Analysis Date: 01/19/12

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	% Recoveries %LCS	% Recoveries %LCSD	% Recoveries RPD	Acceptance Criteria %Rec	Acceptance Criteria %RPD
Aluminum	200		201		mg/Kg	101			80-120	-
Antimony	200		222		mg/Kg	111			80-120	-
Arsenic	200		216		mg/Kg	108			80-120	-
Barium	200		213		mg/Kg	107			80-120	-
Beryllium	200		222		mg/Kg	111			80-120	-

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

ASSOCIATED LABORATORIES QC SUMMARY FOR LAB REQUEST 297883

QCBatchID: QC1122535 Created By: anni Method: EPA 6010B

Matrix: Solid Created Date: 01/19/12 Instrument AAICP (group)

Bismuth	200		mg/Kg	-3	80-120	-
Boron	200	207	mg/Kg	104	80-120	-
Cadmium	200	203	mg/Kg	102	80-120	-
Calcium	200	216	mg/Kg	108	80-120	-
Chromium	200	203	mg/Kg	102	80-120	-
Cobalt	200	202	mg/Kg	101	80-120	-
Copper	200	208	mg/Kg	104	80-120	-
Iron	200	239	mg/Kg	120	80-120	-
Lead	200	207	mg/Kg	104	80-120	-
Lithium	200	187	mg/Kg	94	80-120	-
Magnesium	200	216	mg/Kg	108	80-120	-
Manganese	200	213	mg/Kg	107	80-120	-
Molybdenum	200	192	mg/Kg	96	80-120	-
Nickel	200	204	mg/Kg	102	80-120	-
Phosphorus	200		mg/Kg	-126	80-120	-
Potassium	2000	2160	mg/Kg	108	80-120	-
Selenium	200	204	mg/Kg	102	80-120	-
Silicon	200	206	mg/Kg	103	80-120	-
Silver	100	96.1	mg/Kg	96	80-120	-
Sodium	200		mg/Kg	121	80-120	-
Strontium	200	199	mg/Kg	100	80-120	-
Sulfur	200		mg/Kg	3	80-120	-
Thallium	200	209	mg/Kg	105	80-120	-
Tin	200		mg/Kg	0	80-120	-
Titanium	200	217	mg/Kg	109	80-120	-
Vanadium	200	216	mg/Kg	108	80-120	-
Zinc	200	200	mg/Kg	100	80-120	-

QCLabID: QC1122535M01

Analysis Date: 01/19/12

BLANK SUMMARY

Analyte	Blank Results	Units
All Analytes are ND		

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

ASSOCIATED LABORATORIES QC SUMMARY FOR LAB REQUEST 297883

QCBatchID: QC1122553 Created By: mdha Method: EPA 7471A

Matrix: Solid Created Date: 01/20/12 Instrument: AAICP-HG1

Matrix Spike/Matrix Spike Duplicate Summary

QCLabID: QC1122553MS1, QC1122553MSD1 Source Sample #: 297883-010 Analysis Date: 01/20/12

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	% Recoveries %MS	% Recoveries %MSD	% Recoveries RPD	Acceptance Criteria %Rec	Acceptance Criteria %RPD
Mercury	ND	0.83	0.83	0.82	0.86	mg/Kg	99	102	3.6	75-125	0-20

Lab Control Spike/ Lab Control Spike Duplicate Summary

QCLabID: QC1122553LCS1 Analysis Date: 01/20/12

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	% Recoveries %LCS	% Recoveries %LCSD	% Recoveries RPD	Acceptance Criteria %Rec	Acceptance Criteria %RPD
Mercury	0.83		0.73		mg/Kg	88			80-120	-

QCLabID: QC1122553MS1
Analysis Date: 01/20/12

BLANK SUMMARY

Analyte	Blank Results	Units
All Analytes are ND		

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

ASSOCIATED LABORATORIES QC SUMMARY FOR LAB REQUEST 297883

QCBatchID: QC1122555 Created By: andrewk Method: EPA 8082

Matrix: Water Created Date: 01/19/12 Instrument SVOA-GC (group)

Lab Control Spike/ Lab Control Spike Duplicate Summary

QCLabID: QC1122555LCS1, QC1122555LCSD Analysis Date: 01/19/12

Analyte	Spike Amount		Spike Result		Units	% Recoveries			Acceptance Criteria	
	LCS	LCSD	LCS	LCSD		%LCS	%LCSD	RPD	%Rec	%RPD
PCB-1260	2.5	2.6	2.209	2.394	ug/L	88	96	8	50-125	0-20

QCLabID: QC1122555MB1
Analysis Date: 01/19/12

BLANK SUMMARY

Analyte	Blank Results	Units
All Analytes are ND		

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

ASSOCIATED LABORATORIES QC SUMMARY FOR LAB REQUEST 297883

QCBatchID: QC1122568 Created By: ance Method: EPA 8015B

Matrix: Solid Created Date: 01/20/12 Instrument SVOA-GC (group)

Matrix Spike/Matrix Spike Duplicate Summary

QCLabID QC1122568MS1, QC1122568MSD1 Source Sample #: 297883-016 Analysis Date: 01/20/12

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	% Recoveries %MS	%MSD	RPD	Acceptance Criteria %Rec	%RPD
TPH Diesel	ND	25	25	22.1	25.6	mg/Kg	88	102	14.7	70-130	0-30

Lab Control Spike/ Lab Control Spike Duplicate Summary

QCLabID: QC1122568LCS1 Analysis Date: 01/20/12

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	% Recoveries %LCS	%LCSD	RPD	Acceptance Criteria %Rec	%RPD
TPH Diesel	25		17.5		mg/Kg	70			70-130	-

BLANK SUMMARY

QCLabID: QC1122568MB1
Analysis Date: 01/20/12

Analyte	Blank Results	Units
All Analytes are ND		

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

ASSOCIATED LABORATORIES QC SUMMARY FOR LAB REQUEST 297883

QCBatchID: QC1122630 Created By: andrewk Method: EPA 8082

Matrix Solid Created Date: 01/18/12 Instrument SVOA-GC (group)

Matrix Spike/Matrix Spike Duplicate Summary

QCLabID QC1122630MS1, QC1122630MSD1 Source Sample #: 297883-004 Analysis Date: 01/18/12

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	% Recoveries %MS	% Recoveries %MSD	% Recoveries RPD	Acceptance Criteria %Rec	Acceptance Criteria %RPD
PCB-1260	ND	0.5	0.5	0.43	0.43	mg/Kg	87	85	1.6	50-125	0-35

Lab Control Spike/ Lab Control Spike Duplicate Summary

QCLabID: QC1122630LCS1 Analysis Date: 01/18/12

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	% Recoveries %LCS	% Recoveries %LCSD	% Recoveries RPD	Acceptance Criteria %Rec	Acceptance Criteria %RPD
PCB-1260	0.5		0.441		mg/Kg	88			70-130	-

BLANK SUMMARY

QCLabID: QC1122630MB1
Analysis Date: 01/19/12

Analyte	Blank Results	Units
All Analytes are ND		

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

ASSOCIATED LABORATORIES QC SUMMARY FOR LAB REQUEST 297883

QCBatchID: QC1122637 Created By: nicollez Method: EPA 8260B

Matrix: Solid Created Date: 01/20/12 Instrument VOA-MS (group)

Matrix Spike/Matrix Spike Duplicate Summary

QCLabID QC1122637MS1, QC1122637MSD1 Source Sample #: 297871-001 Analysis Date: 01/20/12

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	% Recoveries %MS	%MSD	RPD	Acceptance Criteria %Rec	%RPD
1,1-Dichloroethene	ND	50	50	54	51	ug/Kg	107	102	5.4	59-172	0-22
Benzene	ND	50	50	51	50	ug/Kg	101	99	2.2	62-137	0-24
Chlorobenzene	ND	50	50	54	51	ug/Kg	108	103	5.5	60-133	0-24
Methyl-t-butyl Ether (MTBE)	ND	50	50	59	57	ug/Kg	119	115	3.3	62-137	0-21
Toluene	ND	50	50	54	51	ug/Kg	108	101	6.1	59-139	0-21
Trichloroethene	ND	50	50	51	51	ug/Kg	102	102	0.6	66-142	0-21

Lab Control Spike/ Lab Control Spike Duplicate Summary

QCLabID: QC1122637LCS1 Analysis Date: 01/20/12

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	% Recoveries %LCS	%LCSD	RPD	Acceptance Criteria %Rec	%RPD
1,1-Dichloroethene	50		51.3		ug/Kg	103			59-172	-
Benzene	50		48.3		ug/Kg	97			62-137	-
Chlorobenzene	50		46.0		ug/Kg	92			60-133	-
Methyl-t-butyl Ether (MTBE)	50		60.9		ug/Kg	122			62-137	-
Toluene	50		46.5		ug/Kg	93			59-139	-
Trichloroethene	50		45.3		ug/Kg	91			66-142	-

BLANK SUMMARY

QCLabID: QC1122637MB1
Analysis Date: 01/20/12

Analyte	Blank Results	Units
All Analytes are ND		

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

ABSOCIATED LABORATORIES QC SUMMARY FOR LAB REQUEST 297883

QCBatchID: QC1122638 Created By: nicolfex Method: EPA 82608

Matrix: Solid Created Date: 01/22/12 Instrument VOA-MS (group)

Matrix Spike/Matrix Spike Duplicate Summary

QCLabID QC1122638MS1, QC1122638MSD1 Source Sample #: 297873-004 Analysis Date: 01/22/12

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	% Recoveries %MS	% Recoveries %MSD	% Recoveries RPD	Acceptance Criteria %Rec	Acceptance Criteria %RPD
1,1-Dichloroethene	ND	50	50	52	53	ug/Kg	104	107	2.5	59-172	0-22
Benzene	ND	50	50	47	47	ug/Kg	95	94	0.8	62-137	0-24
Chlorobenzene	ND	50	50	44	42	ug/Kg	88	83	5.5	60-133	0-24
Methyl-t-butyl Ether (MTBE)	ND	50	50	54	50	ug/Kg	107	100	6.8	62-137	0-21
Toluene	ND	50	50	46	44	ug/Kg	91	88	3.6	59-139	0-21
Trichloroethene	ND	50	50	47	45	ug/Kg	94	90	4.8	66-142	0-21

Lab Control Spike/ Lab Control Spike Duplicate Summary

QCLabID: QC1122638LCS1 Analysis Date: 01/22/12

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	% Recoveries %LCS	% Recoveries %LCSD	% Recoveries RPD	Acceptance Criteria %Rec	Acceptance Criteria %RPD
1,1-Dichloroethene	50		49.9		ug/Kg	98			59-172	-
Benzene	50		46.8		ug/Kg	94			62-137	-
Chlorobenzene	50		46.8		ug/Kg	94			60-133	-
Methyl-t-butyl Ether (MTBE)	50		60.7		ug/Kg	121			62-137	-
Toluene	50		45.0		ug/Kg	90			59-139	-
Trichloroethene	50		44.9		ug/Kg	90			66-142	-

BLANK SUMMARY

QCLabID: QC1122638MB1
Analysis Date: 01/22/12

Analyte	Blank Results	Units
All Analytes are ND		

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

ASSOCIATED LABORATORIES QC SUMMARY FOR LAB REQUEST 297883

QCBatchID: QC1122639 Created By: qnguyen Method: EPA 8310

Matrix: Solid Created Date: 01/20/12 Instrument SVOA-LC (group)

Matrix Spike/Matrix Spike Duplicate Summary

QCLabID QC1122639MS1, QC1122639MSD1 Source Sample #: 297883-009 Analysis Date: 01/20/12

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	% Recoveries %MS	% Recoveries %MSD	% Recoveries RPD	Acceptance Criteria %Rec	Acceptance Criteria %RPD
Benzo(a)pyrene	ND	0.25	0.26	0.29	0.32	mg/Kg	116	128	9.8	35-128	0-35
Benzo(b)fluoranthene	ND	0.25	0.25	0.26	0.29	mg/Kg	104	116	10.9	35-135	0-35
Benzo(g,h,i)perylene	ND	0.25	0.25	0.27	0.30	mg/Kg	108	120	10.5	40-150	0-35
Benzo(k)fluoranthene	ND	0.25	0.25	0.26	0.29	mg/Kg	104	116	10.9	35-140	0-35
Phenanthrene	ND	0.25	0.25	0.23	0.26	mg/Kg	92	104	12.2	35-155	0-35
Pyrene	ND	0.25	0.25	0.27	0.28	mg/Kg	108	112	3.6	45-200	0-35

Lab Control Spike/ Lab Control Spike Duplicate Summary

QCLabID: QC1122639LCS1 Analysis Date: 01/20/12

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	% Recoveries %LCS	% Recoveries %LCSD	% Recoveries RPD	Acceptance Criteria %Rec	Acceptance Criteria %RPD
Benzo(a)pyrene	0.25		0.28		mg/Kg	112			40-128	-
Benzo(b)fluoranthene	0.25		0.26		mg/Kg	104			40-128	-
Benzo(g,h,i)perylene	0.25		0.26		mg/Kg	104			45-159	-
Benzo(k)fluoranthene	0.25		0.26		mg/Kg	104			40-128	-
Phenanthrene	0.25		0.22		mg/Kg	88			40-155	-
Pyrene	0.25		0.25		mg/Kg	100			50-200	-

BLANK SUMMARY

QCLabID: QC1122639MB1
Analysis Date: 01/20/12

Analyte	Blank Results	Units
All Analytes are ND		

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

ASSOCIATED LABORATORIES QC SUMMARY FOR LAB REQUEST 297883

QCBatchID: QC1122652 Created By: greglness Method: EPA 8310

Matrix: Water Created Date: 01/19/12 Instrument SVOA-LC (group)

Lab Control Spike/ Lab Control Spike Duplicate Summary

QCLabID: QC1122652LCS1, QC1122652LCSD Analysis Date: 01/19/12

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	% Recoveries %LCS	% Recoveries %LCSD	RPD	Acceptance Criteria %Rec	Acceptance Criteria %RPD
Benzo(a)pyrene	4	4	4.3	4.3	ug/L	108	108	0	50-159	0-35
Benzo(b)fluoranthene	4	4	4.9	5.0	ug/L	123	125	2	50-128	0-35
Benzo(g,h,i)perylene	4	4	4.4	4.2	ug/L	110	105	5	50-159	0-35
Benzo(k)fluoranthene	4	4	4.9	4.9	ug/L	123	123	0	50-159	0-35
Phenanthrene	4	4	4.3	4.4	ug/L	108	110	2	50-155	0-35
Pyrene	4	4	4.6	4.7	ug/L	115	118	2	50-199	0-35

QCLabID: QC1122652MB1

Analysis Date: 01/19/12

BLANK SUMMARY

Analyte	Blank Results	Units
All Analytes are ND		

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

ASSOCIATED LABORATORIES QC SUMMARY FOR LAB REQUEST 297883

QCBatchID: QC1122746 Created By: nicolez Method: EPA 8260B

Matrix: Solid Created Date: 01/24/12 Instrument: VOA-M9 (group)

Matrix Spike/Matrix Spike Duplicate Summary

QCLabID: QC1122746MS1, QC1122746MSD1 Source Sample #: 298117-001 Analysis Date: 01/24/12

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	% Recoveries %MS	% Recoveries %MSD	% Recoveries RPD	Acceptance Criteria %Rec	Acceptance Criteria %RPD
1,1-Dichloroethene	ND	50	50	42	47	ug/Kg	84	94	11.2	59-172	0-22
Benzene	ND	50	50	44	47	ug/Kg	88	94	6.6	62-137	0-24
Chlorobenzene	ND	50	50	43	44	ug/Kg	86	88	2.3	60-133	0-24
Methyl-t-butyl Ether (MTBE)	ND	50	50	47	46	ug/Kg	94	92	2.2	62-137	0-21
Toluene	ND	50	50	44	45	ug/Kg	88	90	2.2	59-139	0-21
Trichloroethene	ND	50	50	43	47	ug/Kg	86	94	8.9	66-142	0-21

Lab Control Spike/ Lab Control Spike Duplicate Summary

QCLabID: QC1122746LCS1 Analysis Date: 01/24/12

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	% Recoveries %LCS	% Recoveries %LCSD	% Recoveries RPD	Acceptance Criteria %Rec	Acceptance Criteria %RPD
1,1-Dichloroethene	50		53		ug/Kg	106			59-172	-
Benzene	50		51		ug/Kg	102			62-137	-
Chlorobenzene	50		48		ug/Kg	96			60-133	-
Methyl-t-butyl Ether (MTBE)	50		50		ug/Kg	100			62-137	-
Toluene	50		50		ug/Kg	100			59-139	-
Trichloroethene	50		49		ug/Kg	98			66-142	-

BLANK SUMMARY

QCLabID: QC1122746MB1
Analysis Date: 01/24/12

Analyte	Blank Results	Units
All Analytes are ND		

ND = Not Deteced or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

ASSOCIATED LABORATORIES

DATE OF REQUEST: 1-18-12	CLIENT NAME: AEC
LAB #(s): 297883	ORDER #(s):
EDIT:____ ADDITIONAL ANALYSIS: X	REGULAR TAT: X RUSH:____

MICRO	CHEM	GASC	ICP/AA	PEST/ SVOA	VOA	BIO	TOC/ RAD	PREP	OUT

006 - ADD 8310, CAM 17
007 - ADD 8310, CAM 17
009 - ADD 8310
010 - ADD 8260, 8310, CAM 17
011 - ADD 8310, CAM 17
012 - ADD 8310, PCB'S
013 - ADD 8260, 8310
014 - ADD 8260, CAM 17
016 - ADD 8260
017 - ADD PCB'S

PER CLIENT EMAIL!

REQUESTOR: KW

CHAIN-OF-CUSTODY RECORD

Client: AEC
Date: 11/7/12
Project Name: Pumpkin Patch
Client Project #:
Project Address: PCH & Studebaker, Long Beach, CA
Sampler's Signature:
Turn Around Requested: ☐ 24-Hour-Rush ☐ 48-Hour-Rush ☒ Normal ☒ Mobile Lab
LAB Project #:
Page 1 of
Lab Use Only, Sample Condition as received: Chilled Yes / No; Sealed Yes / No

	Sample	Sample Location	Date	Time	Laboratory Sample Number	Sample Matrix: Soil(S) Sludge(SL), Aqueous(A)	TPH 8C	VOC 8B	8310	Cd Pb Zn	TTLC Metals	Total Lead		Number of Containers	Container / Comments
	B-1-5'		11/7/12			S	✓	✓	✓	✓	✓			1	
2	B-1-20'		"			S	✓	✓	✓	✓	✓			1	
3	B-1-W		"			GW	✓	✓	✓	✓	✓			7	
	B-1-38'		11/7/12			S	✓	✓	✓	✓	✓			1	
5	B-2-5'		"			S	✓	✓				✓		1	
6	B-2-10'		"			S	✓	✓	✓		✓	✓		1	
7	B-2-20'		"			S	✓	✓	✓		✓	✓		1	
8	B-2-25'		"			S	✓	✓				✓		1	
9	B-2-30'		"			S	✓	✓	✓			✓		1	
10	B-3-5'		11/7/12			S	✓	✓	✓		✓			1	

❶ Relinquished by: (Signature)	Date: 11/7/12	❷ Received by: (Signature)	Date: 11/12
Company: AEC	Time: 3:15	Company:	Time: 15:15
❸ Relinquished by: (Signature)	Date:	❹ Received by Laboratory: (Signature)	Date:
Company:	Time:	Company:	Time:

Total Number of Containers

ADVANCED ENVIRONMENTAL CONCEPTS, INC.
661/395-1646
FAX 661/395-1516
2200 E. TRUXTUN AVENUE
BAKERSFIELD, CA 93305
E-mail: aeconc@sbcglobal.net

CHAIN-OF-CUSTODY RECORD

Client: AEC

Project Name: Pumpkin Patch

Project Address: PCH & Studebaker, Long Beach, CA

Sampler's Signature: [illegible]

Date: 1/17/12

Client Project #:

Turn Around Requested:
- ☐ 24-Hour-Rush
- ☐ 48-Hour-Rush
- ☐ Normal
- ☐ Mobile Lab

LAB Project #:

Page 2 of 2

Lab Use Only. Sample Condition as received:
Chilled Yes / No
Sealed Yes / No

	Sample	Sample Location	Date	Time	Laboratory Sample Number	Sample Matrix: Soil(S), Sludge(Sl), Aqueous(A)	TPH-GC	8260B	5310	Total Lead	8010 or 8021	8021/8260B		Number of Containers	Container / Comments
1	B-3-15		1/17/12			S	✓		✓		✓			1	
2	B-3-20		"			S	✓	✓	✓	✓		✓		1	
3	B-3-30		"			S	✓	✓	✓	✓				1	
4	B-4-5		"			S	✓	✓			✓			1	
5	B-4-10		"			S	✓	✓		✓				1	
6	B-4-15		"			S	✓	✓						1	
7	B-4-20		"			S	✓	✓			✓	✓		1	
8	B-3W		1/17/12			W	✓	✓						3	

Relinquished by: (Signature)	Date	Received by: (Signature)	Date
[illegible]	1/17/12	[illegible]	1-17-12
Company: AEC	Time: 3:15	Company:	Time: 1515
Relinquished by: (Signature)	Date	Received by Laboratory: (Signature)	Date
Company:	Time	Company:	Time

Total Number of Containers

ADVANCED ENVIRONMENTAL CONCEPTS, INC.
661/395-1646
FAX 661/395-1616
220 E. TRUXTUN AVENUE
BAKERSFIELD, CA 93305
E-mail: aecinc@sbcglobal.net

Appendix D

PROPOSED GROUNDWATER MONITORING WELL LOCATION MAP

ADVANCED ENVIRONMENTAL CONCEPTS INC
220 East Truxtun Avenue
Bakersfield, California 93305
(661) 395-1646

Proposed Monitoring Well Locations

Pumpkin Patch
Pacific Coast Highway and Studebaker Road
County of Los Angeles • Long Beach, California

FIGURE

2

Appendix E

NO FURTHER ACTION LETTER FROM EPA REGION 9

United States Environmental Protection Agency
Region 9, Pacific Southwest
Emergency Response Section
2250 Obispo Ave., Ste. 101
Signal Hill, CA 90755

Field Code Changed

February 24, 2010

LCW Oil Operators, LLC
Tom Dean
6433 E. Second Street
Long Beach, CA 90607

Dear Mr. Dean:

LCW Oil Operators, LLC (LCW) have completed the removal of the hazardous substances from the property located at 6433 E. Second Street, Long Beach, California pursuant to the General Notice Letter issued on May 13, 2009. LCW has also completed the oil spill response operations pursuant to the Notice of Federal Interest issued on February 4, 2010. At this time no further actions are necessary, however EPA reserves the right to require addition work at such time as additional contaminants may be discovered

If you have any questions, please do not hesitate to contact Robert Wise at the numbers listed below.

Sincerely;

Robert Wise, CHMM
Federal On-Scene Coordinator
(562) 889 – 2572 (cell)
wise.robert@epa.gov

cc: Andrew Helmlinger, EPA ORC
Craig Whitenack, EPA CI
Ken Ehrlich, LCW Consel