

Keith G. Farrell, Consulting Geologist

**501 VALIDO ROAD
ARCADIA, CALIFORNIA 91007
(626) 627 2977 fax (626) 445 8875**

February 9, 2007

Major Enterprises, LLC
781 E. 14th Street
Los Angeles, CA 90021

**Subject: Environmental Review
Former KIA of Long Beach
4201 E. Willow Street
Long Beach, CA 90815**

At your request, Keith G. Farrell, Consulting Geologist, has reviewed two environmental reports and conducted a site walk as part of an environmental review of the site conditions. In addition, we reviewed readily available records (Internet: Geotracker) on two nearby gasoline stations that might affect the subject site. Our review was performed in order to assist Major Enterprises (prospective buyer) in understanding the site conditions as represented by the seller in environmental documentation that was provided by Bixby Land Company of Newport Beach (seller).

Previous Reports

The two reports provided by Bixby Land Company included a Phase I Environmental Site Assessment conducted by Hygienetics, dated September 29, 2006, and a subsequent subsurface exploration report dated November 14, 2006, also by Hygienetics. The Phase I investigation is a standard, well documented report that is typical, or better, for the industry. The report did not include fire department records which were not available at the time of publication. The report mentioned the presence of nine above-ground hydraulic hoists, but did not mention the patched concrete in the service bays. These patches indicate that subsurface hydraulic hoists were previously present and have been removed. Similar patches were also noted in the northerly building during our site visit. No environmental documentation of these removals was discussed or provided in the report. The hoist removal eliminates the chance of future hydraulic oil leaks into the subsurface. Based on the small size of the concrete patches, it does not appear that any significant excavation of contaminated soil occurred. Ultimately the report found three "recognized environmental conditions" that needed additional investigation. These included:

1. Former waster oil tank, and
2. Clarifier (oil/water separator)
3. Asbestos

Subsequent to the Phase I investigation, subsurface exploration was conducted at the former location of a waste oil tank. No exploration was conducted at the clarifier, even though exploration had been

recommended in the Phase I report. The subsurface exploration found no oil staining beneath the former waste oil tank as described in the November 14, 2006 report by Hygienetics.

Site Visit

Keith G. Farrell, Consulting Geologist conducted a site visit on Wednesday, February 7, 2007. Other than the concrete patches noted above, no other problematic site conditions were noted that were not discussed in the Phase I report. During our site visit, we removed the steel cover over the clarifier, and found approximately 3 feet of thick oily sludge inside the clarifier. The clarifier appeared to be approximately 3 feet by 4 feet wide and 4 feet deep and have a solid bottom.

Conclusions

Based on our review and site visit, it appears that the reports have adequately addressed the site conditions except one: the clarifier. Site drainage in the northern portion of the site was described correctly in the Phase I report. However, the buyer should be aware that future improvements of the property may require altering the surface drainage pattern so as not to allow direct discharge of runoff into the storm drain channel. No fire department records were reviewed.

Recommendations

The seller's consultant should provide a letter indicating whether any fire department records were found that changed the finding of the Phase I report. The seller should provide any environmental documentation regarding the subsurface hoist removal, or provide a letter indicating that it was performed and no adverse environmental conditions were discovered or are known to be present.

In addition, there are several issues at the site that need to be addressed in a purchase agreement. These include the clarifier, above ground waste oil tanks and lubrication tanks. In addition, there are waste oil filters that require removal and oil spills on the pavement. These conditions are presumably the responsibility of the current tenant/operator. In addition, the clarifier was filled with sludge that should be the operational responsibility of the tenant/operator. The purchase agreement should include resolution of these issues and ensure that the tenant will clean these areas before departure.

The clarifier eventually will require abandonment, and that may be the responsibility of the site owner, unless lease agreements require the tenant to do so. It is likely that the clarifier has been present since the 1960's, when the site was first built, and has had multiple users/tenants. As such, its integrity and abandonment will likely be required of the owner. Clarifier abandonment includes removal and environmental testing similar to an underground tank. Although most clarifiers do not leak and do not cause significant environmental problems, there is future removal cost and some associated environmental liability. As such, we recommend that the current owner be responsible for its future abandonment and associated environmental cleanup, or provide testing to show that no environmental problems currently exist, in accordance with the recommendations of the Phase I report.

We estimate that clarifier represents a potential environmental liability of roughly **\$50,000**. Abandonment would cost on the order of \$12,000 to \$18,000 including sludge removal, concrete patching and environmental testing and reporting. If contamination was present, then remediation costs

cannot be ascertained, but most clarifiers do not have large problems. We estimate that a realistic range of typical costs for site cleanup would be on the order of \$10,000 to \$30,000, if contamination was found.

Phase I Report indicated the presence of suspect asbestos material. We recommend further testing to determine the quantities and potential costs associated with asbestos.

Limitations

We have conducted this work for our client in accordance with our standard terms and conditions which are attached, and in a manner and utilizing a scope of services that may not be suitable for other persons. As such, no other persons or parties should rely on the information included in this letter without the written approval of this office. Our scope of work was limited to the scope described herein. No subsurface work was performed and as such our comments and opinions are limited to interpretations of other's data and represent professional opinions. No guarantee or warrantee is given or implied.

We appreciate this opportunity to be of service to you.

Sincerely,

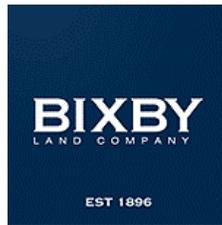
Keith G. Farrell,
California Certified Engineering Geologist # 1314

Attachments: Standard Terms and Conditions

**PHASE I
ENVIRONMENTAL SITE ASSESSMENT**

*KIA of Long Beach
4201 East Willow Street
Long Beach, California 90815*

Prepared For:



**Bixby Land Company
1200 Newport Center Drive, Suite 300
Newport Beach, California 92660**

Prepared By:

**Hygienetics Environmental Services, Inc.,
1920 East Warner Avenue, Suite A
Santa Ana, California 92705
(949) 955-0201**

September 29, 2006

Project No. 4401.150

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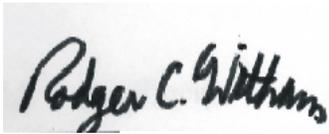
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CERTIFICATION OF RESULTS

This assessment was conducted on behalf of and for the exclusive use of Bixby Land Company, solely for use in an environmental evaluation of the Site. This report is for the exclusive use of Bixby Land Company, and no other party shall have any right to rely on any service provided by Hygienetics Environmental Services, Inc. (Hygienetics) without prior written consent.

This draft report is respectfully submitted this 29th day of September.

Hygienetics Environmental Services, Inc.



Rodger Witham
Senior Scientist



William L. Felix, REA
Regional Director

EXECUTIVE SUMMARY

Hygienetics Environmental Services, Inc. (Hygienetics) was authorized by Bixby Land Company conduct a Phase I Environmental Site Assessment (ESA) of KIA of Long Beach located at 4201 East Willow Street, Long Beach, California 90815 (the "Site"). Hygienetics has conducted this ESA in general accordance with the scope and limitations of American Society for Testing and Materials (ASTM) Designation E 1527-2000, "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process". There are no exceptions to or deletions from the ASTM E 1527-2000 standard practice and authorized Scope of Services.

The Site, presently occupied by KIA of Long Beach, consists of a 1.68-acre, irregular-shaped parcel that is used for new and used automobile sales and service. A portion of the Site is developed with two single-story buildings and the remaining areas are paved with asphalt and used for parking. The Site was agricultural land or vacant until 1963. The two present-day buildings were constructed in 1963-1964 and 1966, respectively, for use as an auto dealership and the Site has been used for this purpose since that time. According to a regulatory-agency database report, the Site is listed as a small quantity generator of hazardous wastes, is listed as having generated and disposed of oil/water separation sludge and paint sludge, and is listed as historically having an underground waste-oil storage tank on the Site.

The Site is located on the northwestern corner of the intersection of East Willow Street and Lakewood Boulevard and is in a mixed commercial and residential area of Long Beach. Bounding the Site property to the north are freeway on- and off-ramps leading to and from Interstate Highway 405 (San Diego Freeway). Lakewood Boulevard bounds the Site to the east followed by a Chevron gasoline service station (2610 Lakewood Boulevard) and a Holiday Inn (2640 Lakewood Boulevard). To the southeast, across the East Willow Street/Lakewood Boulevard intersection is Spires Restaurant (2590 Lakewood Boulevard), which is located on property formerly occupied by a gasoline service station (Phillips 66). East Willow Street bounds the Site to the south and beyond are a Shell gasoline service station (2589 Lakewood Boulevard) and Worthington Auto Body (4170 East Willow Street). A Residence Inn by Marriott (4111 East Willow Street) occupies property immediately west of the Site.

Data from subsurface environmental investigations performed at the Chevron (east) and Shell (south) gasoline service stations show ground water flows to the west or west-northwest, which is counter to the surface topographic slope and generally toward the Site. The three gasoline service stations are or were approximately upgradient of the Site. Consultant reports show releases of petroleum hydrocarbons have impacted soil and ground water underlying the Chevron and Shell gasoline stations. Historical chemical data from 1987 to 2006 suggest petroleum hydrocarbons released at the Chevron station have not migrated in the ground water to the Site. Chemical data from the Shell station show petroleum-contaminated ground water at the northern edge of the station; however, offsite data are not available to substantiate whether or not these contaminants have moved across East Willow Street to the Site.

CONCLUSIONS

Hygienetics has performed a Phase I ESA of KIA of Long Beach located at 4201 East Willow Street in Long Beach, California. The ESA was performed in conformance with the scope and limitations of ASTM Practice E 1527-00 and no exceptions to or deletions from this practice have been made. This assessment has revealed the following:

On-Site

- Based on the ages of the two Site buildings (1963-1964 and 1966), asbestos-containing materials (ACMs) may likely be present in building materials.
- Based on the ages of the two Site buildings, lead-based paint may also be present on the Site buildings. Peeling paint was observed on the exterior wood trim of the two automobile service structures.
- Regulatory agency database records indicate an underground storage tank (UST) that was used to store waste oil was formerly at the Site. No records of the former location, disposition, or potential impact from this UST were available for review and any potential impact from this former UST is uncertain.
- An underground oil/water separator is presently used on the Site. At the time of Hygienetics' Site visit, Site employees did not know about the separator's size and present integrity or the condition of the presumed discharge line to the sanitary sewer. This separator may have been in use since the 1960s and releases of oily liquids may have taken place during up to 40 years of operation. Based on experience with releases from underground separators of equivalent age, this underground separator may represent a recognized environmental condition to the Site.

No other environmental concerns were noted on the Site during the Phase I ESA Site inspection or as a result of regulatory agency records review.

Off-Site

Chevron and Shell gasoline service stations are presently operating at locations east (across Lakewood Boulevard) and south (across East Willow Street) of the Site, respectively. A third gasoline service station (Phillips 66) was located to the southeast across the intersection of the two roads until sometime between 1976 and 1989. The Phillips 66 station was likely removed before underground storage tank regulations were implemented and no environmental data for the former station's site address were found in regulatory agency files. Potential impact from this formerly upgradient service station is not known. Data from subsurface investigations performed at the Chevron and Shell service stations show that petroleum hydrocarbons have impacted soil and ground water beneath the two stations and that ground water flows from these stations toward the Site. Investigation at the Chevron station suggests petroleum hydrocarbons released at this station have not reached the Site. Data from the Shell station investigations indicate relatively high concentrations of petroleum hydrocarbon constituents are present in the ground water near the northern edge of the Shell station property. Because offsite data are not available to establish no impact, these concentrations may represent a recognized environmental condition to the Site.

This assessment has revealed no evidence of other recognized environmental conditions in connection with surrounding off-Site properties.

RECOMMENDATIONS

Based on the findings of this ESA, Hygienetics recommends the following:

- Confirmed and suspect ACMs should be managed in-place in good condition under an Asbestos Operations & Maintenance (O&M) Program and Hygienetics recommends an asbestos O&M plan be prepared to manage the ACMs. Should future demolition or renovation plans include impacting any suspect ACMs, sampling of these materials in accordance with applicable requirements of the Occupational Safety and Health Administration (OSHA) and the United States Environmental Protection Agency (USEPA) National Emission Standards for Hazardous Air Pollutants (NESHAPS) would be required before any impact takes place. If suspect materials not previously sampled are determined to be ACMs, then removal in accordance with applicable regulations would be necessary before impact by renovation or demolition activities.
- Hygienetics recommends that the peeling and flaking lead-based paint observed on the wood trim be sampled, tested for lead content, properly removed based on the analytical results, and the wood surfaces sealed and repainted. If future demolition or renovation plans include impacting any painted surfaces which have not been tested for lead content, sampling of these materials would be recommended before any impact takes place. If these surfaces are determined to contain concentrations of lead at or above regulatory limits, then removal in accordance with applicable regulations may be necessary prior to impact by renovation or demolition activities. Disturbance of lead-based painted surfaces should be performed in accordance with 29 CFR 1926.62.
- Hygienetics recommends that additional investigation take place to attempt to identify the location and potential impact of the former waste-oil UST.
- Hygienetics recommends investigation and documentation of the condition and integrity of the underground oil/water separator and adjacent portion of the sanitary sewer discharge line. If this investigation indicates a compromised condition exists, a subsurface investigation may be warranted.

1.0 INTRODUCTION

Hygienetics Environmental Services, Inc. (“Hygienetics”) was retained by Bixby Land Company to conduct a Phase I Environmental Site Assessment (ESA) of KIA of Long Beach located at 4201 East Willow Street, Long Beach, California (the Site). The protocol used for this assessment is in general conformance with ASTM E 1527-00, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process for Phase I Environmental Site Assessments.

On September 6, 2006, Rodger Witham, a representative of Hygienetics, conducted a site reconnaissance to assess the possible presence of petroleum products and hazardous materials at the Site. Hygienetics' investigation included review of aerial photos, reconnaissance of adjacent properties, background research, and review of available local, state, and federal regulatory records regarding the presence of petroleum products and/or hazardous materials at the Site.

Hygienetics contracted with Environmental Data Resources, Inc. of Milford, Connecticut, to perform a computer database search for local, state, and federal regulatory records pertaining to environmental concerns for the Site and properties in the vicinity of the Site (see Section 3.0).

1.1 Purpose

The purpose of this Phase I ESA was to identify existing or potential Recognized Environmental Conditions (as defined by American Society for Testing and Materials [ASTM] Standard E-1527-00) in connection with the Site. Hygienetics understands that the findings of this study will be used by Bixby Land Company to evaluate a pending financial transaction in connection with the Site.

1.2 Scope of Services

Hygienetics has performed a Phase I Environmental Site Assessment on the Site in general conformance with the scope and limitations of ASTM Practice E 1527-2000 for Phase I Environmental Site Assessments. Any exceptions to or deletions from this practice are described in the body of this report.

In general, the scope of this assessment consisted of reviewing readily available information and environmental data relating to the Site; interviewing readily available persons knowledgeable about the site; reviewing readily available maps, aerial photographs and records maintained by federal, state, and local regulatory agencies; and conducting a Site visit.

1.3 Assumptions

There is a possibility that even with the proper application of these methodologies there may exist on the Site conditions that could not be identified within the scope of the assessment or which were not reasonably identifiable from the available information. Hygienetics believes that the information obtained from the record review and the interviews concerning the site is reliable. However, Hygienetics cannot and does not warrant or guarantee that the information provided by these other sources is accurate or complete.

1.4 Limitations and Exceptions

The findings and conclusions contain all of the limitations inherent in these methodologies that are referred to in ASTM 1527-00. No specific limitations and exceptions to this ESA are made.

1.5 Special Terms and Conditions

Authorization to perform this work was given by a directive from Bixby Land Company.

The conclusions and findings set forth in this report are strictly limited in time and scope to the date of the evaluations. The conclusions presented in the report are based solely on the services described therein, and not on scientific tasks or procedures beyond the scope of agreed-upon services or the time and budgeting restraints imposed by the client. No subsurface exploratory drilling or sampling was done under the scope of this work. Unless specifically stated otherwise in the report, no chemical analyses have been performed during the course of this ESA.

Some of the information provided in this report is based upon personal interviews, and research of available documents, records, and maps held by the appropriate government and private agencies. This is subject to the limitations of historical documentation, availability, and accuracy of pertinent records, and the personal recollections of those persons contacted.

The content and conclusions provided by Hygienetics in this report are based solely on the information collected during our investigation and activities at the Site, our present understanding of the Site conditions, and our professional judgment in light of such information at the time this report was prepared. Part of the findings in this investigation is based on data provided by others. This report presents Hygienetics professional opinion, and no warranty, expressed or implied, is made.

1.6 Use Reliance

This assessment was conducted on behalf of and for the exclusive use of Bixby Land Company, solely for use in an environmental evaluation of the Site. This report is for the exclusive use of Bixby Land Company, and no other party shall have any right to rely on any service provided by Hygienetics Environmental Services, Inc. (Hygienetics) without prior written consent.

2.0 SITE DESCRIPTION

2.1 User Provided Information

Pursuant to ASTM E 1527-00, Hygienetics requested the following site information from Bixby Land Company (User of this report) and from the site contact.

ITEM	PROVIDED BY USER	NOT PROVIDED BY USER	DISCUSSED BELOW	DOES NOT APPLY
2.1.1 Environmental Pre-survey Questionnaire		X		
2.1.2 Title Records		X		
2.1.3 Environmental Liens or Activity and Use Limitation		X		
2.1.4 Specialized Knowledge		X		
2.1.5 Valuation Reduction for Environmental Issues		X		
2.1.6 Identification of Key Site Manager	X			
2.1.7 Reason for Performing Phase 1 ESA	YES, SEE SECTION 1.1			
2.1.8 Prior Environmental Reports		X		
2.1.9 Other (Plat Maps)		X		

Bixby Land Company provided two plat maps of the Site prepared by R. V. Pearsall, Inc. of Long Beach, California. The maps, titled *Boundary and Topographic Survey* and *Easement and Utility Map*, are dated March 10, 1992, and show Site features and surface elevations. No other information about the Site was provided to Hygienetics by representatives of Bixby Land Company, CB Richard Ellis (Site manager), or the current Site tenant.

2.2 Location and Legal Description

The address of the Site is 4201 East Willow Street in Long Beach. The Site is located in a mixed commercial and residential area of Los Angeles County. According to the Los Angeles County Office of the Assessor, the assessor's parcel number of the Site 7218-001-017. The legal description is presented below:

Lot 1, tract No. 28771, map book 712-41-42 and a portion of lot 5, tract No. 10548, map book 174-15-23, City of Long Beach, County of Los Angeles, State of California as found in the Los Angeles County Office of the Assessor.

Records available from the Los Angeles County Office of the Assessor indicate Bixby Land Company currently owns the Site and has owned the Site since at least 1963.

2.3 Site and Vicinity General Characteristics

The Site is located in a mixed commercial and residential area of Long Beach that is characterized by hotels and restaurants, gasoline service stations, and retail businesses along main thoroughfares in the immediate vicinity. Single- and multiple-family residential housing is found along these roads and other secondary roads further from the Site. The Site is zoned CHW - regional highway commercial by the City of Long Beach.

The Site consists of an irregular-shaped parcel approximately 1.68 acres (73,180 square feet) in size and is designed and used for commercial purposes. Access to the site is from East Willow Street. Currently, the Site is developed with two one-story structures that were constructed in 1963-1964, and 1966 and the remaining portions of the Site are covered with asphalt. No landscaping is present at the Site. In the southern portion of the Site, surface runoff is directed toward a narrow gutter that runs north-to-south and ends at an on-Site drain inlet near the south-central edge of the Site. Surface runoff in the northern portion of the Site is directed toward a shallow east-to-west running concrete gutter that slopes toward the east. This gutter directs surface water beneath the cinderblock wall at the northeastern corner of the Site and into an off-Site concrete drainage channel.

2.4 Current Use of the Site

At the present time, the Site is developed with a new and used automobile sales and service facility that is operated by KIA of Long Beach. The main building, which occupies the central portion of the property, includes from front to back (south to north) a showroom/sales office area, a parts supply area, and two automobile service and maintenance garages, referred to as the eastern and western garages. A smaller structure, referred to as a "new car get ready" is located in the northwestern (rear) portion of the Site and is used for storage of automobiles, automobile parts, tires, filing cabinets, pallets, and other miscellaneous items. Exterior areas of the Site are used as parking lots for automobiles displayed for sale and for automobiles undergoing servicing.

2.5 Description of Site Improvements

The main building is constructed on a concrete slab-on-grade. Most of the building that is occupied by sales offices, parts supply store, and automobile maintenance bays is of wood-frame roof and cinderblock wall construction. The showroom portion of the main building is of steel-frame construction. The showroom has a variable sloping roof that is finished with composition tiles and the undersides of the roof overhangs are finished with stucco. The showroom walls consist primarily of glass windows; some painted decorative rock facing is present on a small portion of the exterior wall between windows. The interior ceiling of the showroom is gypsum wallboard and the showroom floor is linoleum. The adjacent interior sales offices are finished with gypsum wallboard walls and carpeting on floors. Ceilings in this area are 2-foot by 2-foot-square drop-in acoustical panels. Bathrooms in the sales area are finished with gypsum wallboard on the ceilings and walls and linoleum on the floors. The interior of the automobile parts supply store has painted cinderblock walls, 2-foot by 2-foot-square drop-in acoustical ceiling panels, and linoleum flooring. The maintenance garages have interior cinderblock walls, open painted wood-frame ceilings, and bare concrete floors. Each maintenance bay in each garage also has a rigid, steel-frame and fiberglass door.

The smaller building is of steel frame (walls and ceiling) construction on a concrete slab-on-grade. Most of the interior of this building (ceiling, walls, and floor) is not covered with finishing materials. An interior room (employee break/lunch room) in the northwestern corner of the building is finished with gypsum wallboard walls, 2-foot by 2-foot-square drop-in acoustical ceiling panels, and linoleum flooring.

City of Long Beach records indicate improvements were made to the building(s) in 1993. The nature of these improvements is not described in the records.

The City of Long Beach supplies drinking water to the Site from the municipal distribution system. Sanitary discharges on the Site are into the municipal sewer system and sewage is directed to the Long Beach Water Reclamation Plant, located at 7400 East Willow Street in Long Beach. Storm water drains via the above-described surface drain lines to City of Long Beach-maintained storm water drain lines located beneath the sidewalk on Lakewood Boulevard and beneath East Willow Street. No dry wells or septic systems were observed on the Site during the Site visit.

An underground oil/water separator is located beneath the concrete floor in the westernmost service bay of the western garage. At the time of the Site inspection, on-Site personnel did not know or have any information about the size or construction of the clarifier, which is presumed to discharge to the municipal sanitary sewer. Two, 10-cubic-yard, steel waste bins are located near the northwestern corner of the property and information on the bins indicates solid waste is removed from the Site by EDCO Waste and Recycling Services.

Heating is provided by natural gas that is supplied by the City of Long Beach. Air conditioning is provided by roof-mounted units. On-site personnel did not know the nature of the refrigerant used in the air-conditioning units. Southern California Edison Company provides electricity to the Site.

2.6 Current Use of Adjoining Properties

During the vicinity reconnaissance, Hygienetics observed the following land uses on properties in the immediate area of the Site.

- North:** On- and off-ramps to Interstate Highway 405 (San Diego Freeway) and beyond, the traffic lanes of Interstate Highway 405, occupy the property immediately north of the Site.
- South:** The Site is bounded on the south by East Willow Street followed by a Shell retail gasoline service station (2589 Lakewood Boulevard), located on the southwestern corner of the Lakewood Boulevard/East Willow Street intersection. Directly east of the Shell service station and also south of the Site is Worthington Auto Body (4170 East Willow Street), which is an automobile repair and service business.
- East:** The Site is bounded on the east by Lakewood Boulevard followed by a Chevron retail gasoline service station (2610 Lakewood Boulevard) and a Holiday Inn hotel (2640 Lakewood Boulevard). A Spires Restaurant (2590 Lakewood Boulevard) is located southeast of the Site across the Lakewood Boulevard/East Willow Street intersection.
- West:** West of the Site is a Residence Inn by Marriott (4111 East Willow Street).

3.0 RECORDS REVIEW

3.1 Standard Environmental Record Sources

3.1.1 State and Federal Regulatory Review

Information from standard Federal and state environmental record sources was provided through Environmental Data Resources, Inc. (EDR), of Milford, Connecticut. Data from governmental agency lists are updated and integrated into one database, which is updated as these data are released. This integrated database also contains postal service data in order to enhance address matching. Records from one government source are compared to records from another to clarify any address ambiguities. The demographic and geographic information available provides assistance in identifying and managing risk. The accuracy of the geocoded locations is approximately +/-300 feet.

In some cases, location information supplied by the regulatory agencies is insufficient to allow the database companies to geocode facility locations. These facilities are listed under the unmappable section within the EDR report. A review of the unmappable facilities indicated that none of these facilities are within the ASTM minimum search distances from the Site.

Regulatory information from the following database sources regarding possible recognized environmental conditions, within the ASTM minimum search distance from the Site, was reviewed. Specific facilities are discussed below if determined likely that a potential recognized environmental condition has resulted at the Site from the listed facilities. Please refer to Appendix C-1 for a complete listing.

Federal National Priority List (NPL)

The NPL is the USEPA database of uncontrolled or abandoned hazardous waste sites identified for priority remedial actions under the Superfund Program.

The Site is not listed as a NPL facility. No NPL facilities are located within one mile of the Site.

Federal Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) List

The CERCLIS list is a compilation of sites that the EPA has investigated or is currently investigating for a release or threatened release of hazardous substances.

The Site is not listed as a CERCLIS facility. No CERCLIS facilities are listed within one-half mile of the Site.

Federal CERCLIS No Further Remedial Action Planned (NFRAP) List

The CERCLIS NFRAP List is a compilation of sites that the EPA has investigated, and has determined that the facility does not pose a threat to human health or the environment, under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) framework.

The Site is not listed as a CERCLIS-NFRAP facility. No CERCLIS-NFRAP facilities are listed within one-half mile of the Site.

Federal Resource Conservation and Recovery Act (RCRA), Corrective Actions (CORRACTS), Treatment, Storage and Disposal (TSD) Facilities List

The USEPA RCRA program identifies and tracks hazardous waste from the point of generation to the point of disposal. The RCRA TSD database is a compilation by the EPA of reporting facilities that treat, store, or dispose of hazardous waste. The CORRACTS database is the EPA's list of treatment storage or disposal facilities subject to corrective action under RCRA.

The Site is not listed as a RCRA CORRACTS TSD facility. No RCRA CORRACTS TSD facilities are listed within one mile of the Site.

Federal RCRA Non-CORRACTS TSD Facilities List

The RCRA TSD database is a compilation by the EPA of reporting facilities that treat, store or dispose of hazardous waste.

The Site is not listed as a RCRA TSD facility. No RCRA TSD facilities are listed within one-half mile of the Site.

Federal RCRA Generator List

The RCRA program identifies and tracks hazardous waste from the point of generation to the point of disposal. The RCRA Generators database is a compilation by the EPA of reporting facilities that generate hazardous waste.

The Site is listed as a RCRA Small Quantity Generator (SQG) facility. Three sites that are located within 0.25-mile of the Site are also listed as RCRA SQGs. These include:

- Scher Tire No. 1 (doing business as Goodyear Tire) at 2528 Lakewood Boulevard.
- Chevron Station No. 9-3842 at 2610 N. Lakewood Boulevard.
- Shell (also listed separately as Kim's Shell) S/S #204-4482-0904 at 2589 Lakewood Boulevard.

Federal Emergency Response Notification System (ERNS)

The ERNS is a national database used to collect information on reported release of oil or hazardous substances.

No ERNS sites were listed on the Site or on the adjacent properties.

State Calsites List

The California Environmental Protection Agency, Department of Toxic Substances Control (Cal-EPA DTSC) maintained a list of potential or confirmed hazardous release properties. The Calsites list is no longer updated by DTSC and has been replaced by the ENVIROSTOR database



that identifies sites that have known contamination or sites for which there may be reason to further investigate.

The Site is not listed on the Calsites database. No facilities that are located within one mile of the Site are listed on the Calsites database.

State ENVIROSTOR List

The DTSC maintains a database that identifies sites that have known contamination or sites, for which there may be reasons to further investigate. The database includes Federal superfund sites; State Response Sites, including military facilities and state superfund sites; Voluntary Cleanup Program sites; and School Property Evaluation Program sites. ENVIROSTOR contains information that is similar to that contained on the historical Calsites list and also includes information on formerly contaminated properties that have been released for re-use, properties that have recorded deed restrictions, and risk characterization information that is used to assess potential impacts to public health and the environment.

The Site is not listed in the ENVIROSTOR database. Two facilities that are within one mile of the Site are contained in the database.

- **Long Beach Schroeder Hall, USAR**, at 3800 East Willow Street in Long Beach, is located 1,678 feet to the west-southwest and, hydrogeologically, is approximately downgradient of the Site. This site is listed as a military evaluation facility. A Preliminary Endangerment Assessment Report was prepared for the site and the regulatory database report indicates this site has been delisted.
- **Gulfstream Aerospace Corporation** is located 4,950 feet to the north and is hydrogeologically crossgradient to the Site. The ENVIROSTOR database indicates the site was a past hazardous waste disposal inventory site and for status to refer to the California Regional Water Quality Control Board. The DTSC completed a Preliminary Assessment in 1984 and recommended no further action. The USEPA contracted to perform a reassessment of the property in 1988 and the reassessment also recommended no further action.

Solid Waste/Landfill Facilities (SWLF)

The SWLF is maintained by the California Integrated Waste Management Board

The Site is not listed as a SWLF facility. No SWLF facilities are listed within one-half mile of the Site.

State Leaking Underground Storage Tank List (LUST)

The California State Water Resources Control Board compiles lists of all leaks of hazardous substances from underground storage tanks.

The Site is not listed as a LUST facility. Two LUST facilities are listed within one-half mile of the Site.

- **Chevron #9-3842, 2610 Lakewood Boulevard, Long Beach.** This site is located directly east of the Site across Lakewood Boulevard, which is hydrogeologically upgradient of the Site. Information available from Science Applications International Corporation (SAIC, 2006a) indicates the gasoline station began operations at the location in approximately 1956 and the station has operated with two generations of underground storage tanks (USTs). The initial 10,000-gallon USTs were removed in December 1988 and replaced with 10,000-gallon double wall USTs and these USTs are currently in use at the station. Subsurface environmental investigations began in 1985 and numerous borings have been drilled and wells installed both on-site and off-site. Soil vapor extraction tests were performed in 1992 and 2003 and removed and destroyed respective masses of 2,600 and 1,427 pounds of petroleum hydrocarbons. Longer-term soil vapor extraction took place between February 2003 and June 2004 and this remediation removed and destroyed 17,804 pounds of petroleum hydrocarbons. Past subsurface investigations have detected high concentrations of petroleum hydrocarbons in soil, non-aqueous phase liquid (NAPL) product on the ground water in wells near the USTs, and dissolved phase petroleum hydrocarbons in ground water both on-site and off-site.

Depth to ground water is approximately 28 feet below the ground surface and the direction of flow, historically has been most often toward the west-northwest. Historical contaminant contour maps (dating from October 1987 through January 2006) presenting the extent of total petroleum hydrocarbons as gasoline (TPHg), benzene, and methyl tertiary-butyl ether (MTBE) in the ground water show that these compounds have not migrated westward across Lakewood Boulevard to the Site. According to SAIC (2006b), the ground-water contaminant plume has contracted as a result of vapor extraction operations. Additional remediation near the location of the USTs is planned.

- **Shell Service Station, 2589 Lakewood Boulevard.** This site is located directly south of the Site across Willow Street, which is approximately upgradient of the Site. Delta Environmental Consultants, Inc. (Delta [2006]) describes the history of environmental work at the Shell station that took place between 1985 and 2006 that included drilling borings, installing ground-water monitoring wells, conducting aquifer and soil vapor extraction testing, and groundwater monitoring. Four 8,000-gallon USTs were removed from the property in December 1994 and were replaced with two 15,000-gallon USTs. During UST removal, approximately 950 cubic yards of petroleum-hydrocarbon-impacted soil were removed and disposed at an off-site location. Based on the results of the UST removal, the Los Angeles Regional Water Quality Control Board closed the case in October 1996. The case, however, was reopened in November 2002 with the discovery of additional contamination beneath the USTs and dispensers.

Historically, depth to ground water in wells at the Shell station has varied from 27 to 36 feet below the ground surface and in May 2006, ranged from 28 to 32 feet below grade. The direction of ground-water flow is toward the west. Contour maps that present the distribution of TPHg, benzene, and MTBE in May 2006 show plumes oriented approximately east-southeast to west-northwest (toward the Site) and open ended at the northern property edge. Data from the Shell station investigations indicate that relatively high concentrations of petroleum hydrocarbon constituents are present in the ground water near the northern edge of the Shell station property. Because offsite data are not available to establish no impact, these concentrations may represent a recognized environmental condition to the Site. At present, Delta is planning remediation at the

service station using soil vapor extraction and groundwater recovery, treatment, and discharge.

California Facility Inventory Database (CA FID)

The State Water Resources Control Board maintains a list of active and inactive UST locations.

The Site is not listed on the CA FID database. Two sites that are within one-quarter mile of the Site are listed as follows.

- **93842**, at 2610 Lakewood Boulevard, is directly east of the Site across Lakewood Boulevard and is upgradient of the Site.
- **Bixby Land Company**, at 2589 Lakewood Boulevard, is directly south of the Site across Willow Street and is approximately upgradient of the Site.

State Underground Storage Tank (UST) List and Historical UST List

The California State Water Resources Control Board compiles a list of UST locations and also maintained a historical list of UST locations last updated in October 1990.

The Site is shown on the UST list under the names Browning Long Beach Oldsmobile/Saab and is included on the historical UST list as Worthington KIA. The EDR report indicates that one UST was located at the Site and was used to contain waste oil.

Five sites that are within one-quarter mile of the Site are included on the UST list.

- **Kilroy Airport Center** is located at 3800 Kilroy Airport Way and is approximately 1,100 feet west-northwest or downgradient of the Site.
- **Chevron #9-3842**, located at 2610 Lakewood Boulevard, is directly east of the Site across Lakewood Boulevard and is upgradient of the Site.
- **Spires Restaurant**, located at 2590 Lakewood Boulevard is southeast of the Site directly across the intersection of Lakewood Boulevard and Willow Street. SAIC (2006a) reports this site was formerly occupied by a Shell service station. Hygienetics' review of city directories indicates this property was occupied by a Phillips 66 service station. The Spires Restaurant property is upgradient of the Site.
- **Jim's Shell**, located at 2589 Lakewood Boulevard, is directly south of the Site across Willow Street and is approximately upgradient of the Site.
- **Michael Shell Service**, located at 2589 Lakewood Boulevard, is directly south of the Site across Willow Street and is approximately upgradient of the Site.

Two sites that are within one-quarter mile of the Site are included on the historical UST list.

- **93842**, located at 2610 Lakewood Boulevard, is directly east of the Site across Lakewood Boulevard and is upgradient of the Site.
- **Bixby Land Company**, at 2589 Lakewood Boulevard, is directly to the south across Willow Street and is approximately upgradient of the Site.

State HAZNET Database

The DTSC tracks manifest data for facilities in the state. The Site appears on the HAZNET database as Worthington KIA, which is shown to generate oil/water separation sludge and paint sludge.

3.1.2 Local Regulatory Review

3.1.2.1 County Recorder/Assessor

According to records of the Los Angeles County Office of the Assessor, no environmentally related liens or deed restrictions have been recorded against the Site.

3.1.2.2 Fire Officials

Hygienetics contacted the City of Long Beach Fire Department (LBFD) to request information on aboveground storage tanks (ASTs), USTs, or hazardous materials incidents at the Site. The LBFD has not yet responded to this request. Any subsequent information obtained that alters the conclusions or recommendations of this report will be provided in an addendum.

3.1.2.3 Planning and Building Department

Records from City of Long Beach Planning and Building Department were reviewed for evidence indicating the developmental history of the Site, and for the presence of documentation relative to underground storage tanks. The records indicate the main Site building was constructed in 1963-1964 and the new car "get ready" building was constructed in 1966. Copies of the building permits are included in Appendix C-2. Records also show tenant improvements were made in 1993-1994 for Browning Oldsmobile-SAAB.

3.2 Physical Setting Sources

3.2.1 Topography

The United States Geological Survey (USGS), Long Beach, California Quadrangle 7.5 minute series topographic map was reviewed for this ESA. This map was published by the USGS in 1964 and was photorevised in 1981. According to the contour lines on the topographic map, the Site is located at approximately 28 feet above mean sea level (MSL). The contour lines in the area of the Site indicate the area slopes gently downward toward the northeast. Signal Hill, which is approximately 355 feet above MSL, is located approximately 6,000 feet west-southwest of the Site. The topographic map shows numerous oil wells located on Signal Hill. The Site surfaces are graded to direct surface runoff toward drain gutters located on the Site. Surface drainage in the southern portion of the Site is toward a drain inlet located in the south-central part of the Site. Surface drainage in the northern portion of the Site is toward a west-to-east running concrete gutter that directs flow toward a small concrete drainage channel located immediately north of the Site and adjacent to an off-ramp of Interstate Highway 405. Information from SAIC (2006a) indicates the closest municipal water supply well is approximately 2,200 feet southeast of the Site.

3.2.2 Geology

The Site lies within the Transverse Ranges Geomorphic Province of California. This province extends approximately 325 miles in an east to west direction between Point Arguello and San Miguel Island in the west to Joshua Tree National Monument in the east where the province merges with the Mojave and Colorado Deserts Geomorphic Provinces. The Transverse Ranges Geomorphic Province comprises a number of individual mountain ranges that are separated by a variety of structural features that range from broad alluvial valleys, narrow stream canyons, prominent faults, and areas of crustal downwarping. The Los Angeles Basin occupies the south-central portion of the province and includes the low-lying coastal plain, within which Long Beach is located (see Norris and Webb, 1976).

Geologic units underlying the Site include the upper Pleistocene-age Lakewood Formation, and the lower Pleistocene-age San Pedro Formation. The Lakewood Formation consists primarily of unconsolidated units of sand, silt, and clay and extends from the ground surface to approximately 300 feet below the ground surface in the Site vicinity. The San Pedro Formation is composed of continental deposits of coarser-grained sand and gravel along with marine deposits and extends from depths of 300 to 1,100 feet below the ground surface (California Department of Water Resource, 1961).

3.2.3 Hydrogeology/Hydrology

The Site is located within the Central Hydrologic Subarea of the Coastal Plain Hydrologic Area that is with the Los Angeles-San Gabriel Hydrologic Unit. Numerous shallow, thin, and discontinuous semiperched water-bearing zones occur within the Holocene-age sediments of the hydrologic unit and regionally extensive aquifers are found within the Pleistocene-age formations. The upper portion of the Lakewood Formation, which consists of fine-grained sediments that are referred to as the Bellflower Aquiclude, underlies the Site and vicinity. Within the Lakewood Formation are the Exposition-Artesia Aquifer that occurs between approximately 80 and 160 feet below the ground surface and the Gage Aquifer that extends from 170 to 270 feet below grade. The Exposition-Artesia and Gage Aquifers are not considered important water producing zones because of the fine-grained sediments and historically poor water quality. In the San Pedro Formation are the Lynwood Aquifer, from approximately 360 to 410 feet below grade; the Silverado Aquifer from 425 to 675 feet below grade; and the Sunnyside Aquifer from approximately 790 to 1,100 feet below grade. These three aquifers are the important water producing aquifers in the region (California Department of Water Resources, 1961).

SAIC (2006a) reports ground water beneath the Chevron service station located at 2610 Lakewood Boulevard is approximately 28 feet below grade and Delta (2006) reports ground water beneath the Shell service station located at 2589 Lakewood Boulevard is from 27 to 36 feet below the ground surface. The direction of flow of the shallow ground water is report to be toward the west-northwest and west.

The nearest surface water in the vicinity of the Site is Los Cerritos Channel, a concrete-lined drainage that flows southward, generally eastward at a point approximately 3,000 feet northeast of the site, then southward to the Pacific Ocean. No settling ponds, lagoons, surface impoundments, wetlands, or natural catch basins were observed at the Site during the Site visit.



3.2.4 Flood Zone and Wetlands Information

A review of the Flood Insurance Rate Maps, published by the Federal Emergency Management Agency, was performed. According to Panel Number 0601360015B, the Site is not located within either the zone of a 500-year flood or the zone of a 100-year flood. No wetlands were observed on-Site. The EDR report shows the nearest wetlands are approximately one-half mile northwest of the Site.

3.2.5 Oil and Gas Exploration

No oil or gas wells were observed on the Site. According to the EDR report, no oil or gas wells are on the Site.

3.3 Historical Use Information

Hygienetics reviewed historical information dating back to 1902, which included topographic maps, aerial photographs, building permits, and historical lists of city directories. No persons were available for interview that had knowledge of the history of the Site. In 1902, the Site was located in a rural undeveloped area in which only a few unpaved roads crossed the region and one farm structure was present approximately one-quarter mile west-northwest of the property. The land was under cultivation or was vacant undeveloped land between 1928 and 1963, when construction began on the main Site structure. In 1966, the second smaller new car "get ready" building was constructed and available records show unspecified tenant improvements took place in 1993-1994. The Site has been used as an automobile sales and service dealership under several names from 1964 until the present time.

3.3.1 Aerial Photographs

Available aerial photographs dated 1928, 1947, 1956, 1968, 1976, 1989, 1994, and 2002, provided by EDR were reviewed for this ESA. Copies of the photographs are included in Appendix B-1 of this report. The photographs are described as follows:

Date: 1928
Scale: 1" = 500'
Photo I.D. No.: Not available
Description: The 1928 aerial photograph shows the Site as a small portion of a larger tract of land that is under cultivation. A road in the position of present-day Willow Street is located east of the Site, but angles toward the northwest before reaching the area of the Site. A drainage ditch or canal followed by the northwest-running road bound the northeastern side of the cultivated field and agricultural land lies beyond. A farm road bounds the northern portion of the cultivated field (north of the Site) and passes by several possibly farm structures that are located west-northwest of the Site. To the southwest and south of the cultivated land is vacant, undeveloped land followed by more cultivated land.

Date: 1947
Scale: 1" = 666'
Photo ID: DWR
Description: The 1947 aerial photograph shows the Site as vacant, undeveloped land that appears to be covered with trees, brush, and grasses and is located on the northwestern corner of the intersection of two roads. A two-lane road, in the



position of present-day Lakewood Boulevard, bounds the eastern side of the property. The road in the position of Willow Street, which angled to the northwest in the 1928 photograph, extends through Lakewood Boulevard, and bounds the southern side of the Site as an unpaved road. This road terminates approximately one-quarter mile west of the Site. Land immediately north and west of the Site is vacant, undeveloped land. Directly south of the Site across the unpaved Willow Street is a small parcel of vacant, undeveloped land and to the south and west of this parcel is a large development of what appear to be single- and multiple-family homes and residential streets. The trace of the drainage ditch or canal, observed in the 1928 photograph, is observed to the north of the Site and angles toward the southeast past Lakewood Boulevard and Willow Street. Directly east of the Site, across Lakewood Boulevard, the ditch appears to be filled in and is replaced by an adjacent concrete-lined canal that runs eastward along the north side of Willow Street. To the southeast of the Site, across the road intersection is vacant, undeveloped land, and beyond is residential development that appears to be under construction.

Date: 1956

Scale: 1" = 400'

Photo ID: 22555

Description: The 1956 aerial photograph shows the Site as cleared and plowed land that is bounded on the north and west by a fence. Land immediately north of the Site appears partly cultivated and partly undeveloped, followed by the drainage ditch observed in the 1928 photograph and by vacant, undeveloped land. Directly east of the Site is a four-lane paved road (Lakewood Boulevard) and south of the Site is a two-lane paved road (Willow Street) that extends to the west of the Site. On the northeastern corner of the intersection of the two roads is a small structure, which might possibly be a real estate office, and further to the northeast and east is the concrete-lined drainage ditch and cultivated land. To the southeast across the intersection (southeast corner) is another structure, which might be a gas station followed by residential housing, a school, and a community park. Directly south of the Site, across Willow Street is vacant land that appears cleared and plowed as does the Site, and beyond this parcel to the southwest is the above-mentioned residential development. Immediately west of the Site is cultivated land.

Date: 1968

Scale: 1" = 480'

Photo ID: Not available

Description: The 1968 aerial photograph shows the two buildings (main and "get ready") that are presently on the Site. Substantial change occurred to the north of the Site between 1956 and 1968 with construction of Interstate Highway 405 and the interchange at Lakewood Boulevard immediately north of the Site. The course of Lakewood Boulevard also was altered due to expansion of the Long Beach Airport into the area of the formerly cultivated land located northeast of the Site. This photograph also shows structures on the northeastern, southeastern, and southwestern corners of the intersection of Lakewood Boulevard and Willow Street, which may be gasoline service stations. A circular multi-story structure (possibly under construction), at the location of the present-day Holiday Inn, appears next to the gas station (present-day Chevron station) on the northeastern

corner of the road intersection. Property immediately south of the Site across Willow Street has been developed with commercial structures, including buildings similar to the present-day Shell gas station, and a building similar in shape to the Worthington Auto Body building. Residential areas to the southeast and south of the Site appear the same as in the 1956 aerial photograph. Property to the west of the Site and north of Willow Street has undergone commercial development with the immediately adjacent land appearing to be used for parking.

Date: 1976
Scale: 1" = 666'
Photo ID: Not available
Description: The 1976 aerial photograph shows the Site to be the same as observed in the 1968 photograph. The immediately surrounding areas in all directions appear essentially the same in 1976 as in 1968. Only slight development is observed around the Holiday Inn building. An additional commercial building is also observed south of the gasoline station that is on the southeastern corner of the Lakewood Boulevard/Willow Street intersection.

Date: 1989
Scale: 1" = 666'
Photo ID: Not available
Description: The 1989 aerial photograph shows the Site to be the same as observed in the 1968 and 1976 photographs. The immediately surrounding area is essentially unchanged from the time of the 1976 photograph. Additional structures appear around the circular multi-story building (Holiday Inn), located east of the Site across Lakewood Boulevard. A low circular building, similar in configuration to the present-day Spires Restaurant appears on the southeastern corner of the Lakewood Boulevard/Willow Street at the location of the former gasoline station. The property immediately west of the Site appears developed with the structures of the present-day Residence Inn that replaced the former parking lot. A general increase in commercial and residential development is observed in more distant areas to the west and to the north around Long Beach Airport.

Date: 1994
Scale: 1" = 666'
Photo ID: Not available
Description: The 1994 aerial photograph shows the Site and surrounding areas as essentially unchanged from the 1989 aerial photograph.

Date: 2002
Scale: 1" = 666'
Photo ID: Not available
Description: The 2002 aerial photograph shows the Site and surrounding areas as essentially unchanged from the 1989 and 1994 aerial photographs.

Review of the aerial photographs show a progressive development in the local region from undeveloped or agricultural land between 1902 and the mid-1940s followed by increasing residential and commercial development between the mid-1940's and late 1960's. The Site was

developed in 1963-1964 with automobile service facilities and adjacent properties to the east, southeast, and south were developed in the 1950s with gasoline service stations. The four facilities maintained one or more USTs, stored and used hazardous materials, and generated and stored hazardous wastes. These historical activities represent an environmental concern.

3.3.2 Fire Insurance Maps

Hygienetics requested available Sanborn Fire Insurance Company maps for the Site address and no Sanborn maps were available for the Site. Potential recognized environmental conditions, therefore, could not be evaluated using this resource.

3.3.3 City Directories

Haines & Company, Kaasen Directory Company, Los Angeles Directory Company, Luskey Brothers & Company, Pacific Directory Company, Pacific Telephone, R.L. Polk & Company and others published historical city directories that were provided by EDR. The database report provided by EDR provides past names and businesses that were listed for the Site and adjoining properties. The findings are presented in the following table. For adjoining properties, directions from the Site are shown only where listings are present.

YEAR	ON-SITE	ADJOINING PROPERTIES
1920-1951	No Address Listed	No Addresses Listed
1952	No Address Listed	East – McCarthy Co. Real Estate – 2600 Lakewood Blvd. Southeast – Vincens Mobil Service Gas Station, 2590 Lakewood Blvd.
1954-1956	No Address Listed	No Addresses Listed
1957	No Address Listed	East – Vacant - 2600 Lakewood Blvd. Standard Stations, Inc. - 2610 Lakewood Blvd. Southeast – L & W Mobile Service - 2590 Lakewood Blvd. South - C. R. Ferris Shell - 2589 Lakewood Blvd.
1958	No Address Listed	No Addresses Listed
1960	No Address Listed	East – Standard Oil Company of California Western Operations, Inc. - 2610 Lakewood Blvd. Southeast – Mobil Service Station Dealers - 2590 Lakewood Blvd. South – Zeman's Shell Service Station - 2589 Lakewood Blvd. West - Elks Club No. 888 - 4101 E. Willow St.
1963	No Address Listed	East - Standard Stations, Inc. - 2610 Lakewood Blvd. Southeast - Sanders Flying A Service Gas Station - 2590 Lakewood Blvd.

YEAR	ON-SITE	ADJOINING PROPERTIES
1964	Vines Chrysler Plymouth	East – Standard Oil Company of California Western Operations, Inc. - 2610 Lakewood Blvd. Southeast – Lauers Flying A Service - 2590 Lakewood Blvd. South – Del S Shell Service - 2589 Lakewood Blvd. West - Elks Club No. 888 - 4101 E. Willow St.
1965-1966	No Address Listed	No Addresses Listed
1967	Vines Chrysler Plymouth	No Addresses Listed
1969	No Address Listed	East - Standard Stations, Inc. - 2610 Lakewood Blvd. Holiday Inns of America - 2640 Lakewood Blvd. Southeast - Phillips Sixty-Six Service/U Haul Company Trailer Rental - 2590 Lakewood Blvd. South - Wally's Shell Service Gas Station - 2589 Lakewood Blvd.
1970	No Address Listed	No Addresses Listed
1971	R.O. Gould Chrysler Plymouth	No Addresses Listed
1972	No Address Listed	No Addresses Listed
1975	R.O. Gould Chrysler Plymouth	East - Holiday Inn - 2640 Lakewood Blvd. South - Kim's Shell Service Station - 2589 Lakewood Blvd. West - Dome Catering/Dome Management/Elks Club No. 888 - 4101 E. Willow St.
1976	No Address Listed	East - Holiday Inn/Inns Long Beach - 2640 Lakewood Blvd.
1980	R.O. Gould Chrysler Plymouth	East - Bob Battaglia Chevron Service - 2610 Lakewood Blvd. Holiday Inn - 2640 Lakewood Blvd. Southeast - Long Beach - 2590 Lakewood Blvd. South - Kim's Shell Service - 2589 Lakewood Blvd. West - Dome Catering/Dome Management/elks Lodge No. 888 - 4101 Lakewood Blvd.
1981	No Address Listed	No Addresses Listed

YEAR	ON-SITE	ADJOINING PROPERTIES
1985	R.O. Gould Chrysler Plymouth	East - Bob Battaglia Chevron Service - 2610 Lakewood Blvd. Holiday Inn - 2640 Lakewood Blvd. South - Kim's Shell Service - 2589 Lakewood Blvd. West - Dome Catering/Dome Management/elks Lodge No. 888 - 4101 Lakewood Blvd.
1986	No Address Listed	East - Holiday Inn - 2640 Lakewood Blvd.
1990	No Address Listed	East - Holiday Inn/Alamo Rent A Car - 2640 Lakewood Blvd.
1991	R.O. Gould Chrysler Plymouth Daihatsu	East - Bob Battaglia Chevron Service - 2610 Lakewood Blvd. Holiday Inn/Hi Net Communications - 2640 Lakewood Blvd. South - Kim's Shell Service & Towing - 2589 Lakewood Blvd. Southeast - Long Beach - 2590 Lakewood Blvd. West - Residence Inn by Marriott - 4111 E. Willow St.
1995	Mike Salta Auto Group	East - Holiday Inn/Alamo Rent A Car - 2640 Lakewood Blvd.
1996	No Address Listed	No Addresses Listed
1999	No Address Listed	No Addresses Listed
2000	No Address Listed	East - Phillip Chevron - 2610 Lakewood Blvd. Holiday Inn/Hi Net Communications/Wealth Code - 2640 Lakewood Blvd. Southeast - Spires Restaurant, Inc. - 2590 Lakewood Blvd. South - Michael Shell Service - 2589 Lakewood Blvd. Carl's Auto Body, Inc. - 4170 E. Willow St. West - Residence Inn - 4111 E. Willow St.
2001	No Address Listed	No Addresses Listed
2003-2004	No Address Listed	No Addresses Listed
2006	No Address Listed	No Addresses Listed

The results of review of available city directories show the presence of an automobile dealership service center and three gasoline service stations that stored, used, and disposed of hazardous materials and hazardous wastes. These activities represent a potential environmental concern.

3.3.4 Chain of Title

A 50-year chain-of-title was not requested or authorized for this study. Historical use of the Site was researched using other standard historical sources.

3.3.5 Additional Environmental Record Sources

Topographic Maps

Hygienetics reviewed historical topographic maps provided by EDR for the years 1902, 1947, 1951, 1964, 1972, and 1981. Following are descriptions of the Site and surroundings presented on the maps.

Date: 1902
Scale: 1:62,500
Map ID: Downey, California 15-minute Quadrangle
Description: The 1902 topographic map shows the Site in an area that is uncultivated and undeveloped. Natural drainage channels run south and southeastward toward Los Alamitos Bay, which straddles the line between Los Angeles and Orange Counties. Irregular-shaped roads cross the area within one-quarter mile to the west and a single structure is depicted on the map approximately one-quarter mile west-northwest of the Site.

Date: 1947
Scale: 1:50,000
Map ID: Downey, California 15-minute Quadrangle
Description: The 1947 topographic map shows the Site as undeveloped land that is bounded on the east by Lakewood Boulevard (State Highway 19) and on the south by an unpaved East Willow Street. The map shows a north-northwest to south-southeast flowing natural drainage channel that is within a few hundred feet to the northeast of the Site. Two structures are shown on the map at a location along East Willow Street approximately one-quarter mile west of the Site and a few unpaved roads are located southwest of the Site.

Date: 1951
Scale: 1:24,000
Map ID: Long Beach, California 7.5-minute Quadrangle
Description: The 1951 topographic map shows the Site and adjacent land to the west and north as undeveloped or agricultural land and land to east across Lakewood Boulevard also as undeveloped or agricultural land. East Willow Street appears on this map only to the east of Lakewood Boulevard and the north-northwest to south-southeast trending natural drainage depicted on the 1947 map has been redirected eastward along the north side of East Willow Street on the 1951 map. Land immediately south and southeast of the Site appears to be undeveloped and further south and southeast are paved roads and Buffum School, which comprise the residential area. The Long Beach Municipal Airport is depicted on this map, and is within 3,000 feet north of the Site.

Date: 1964
Scale: 1:24,000
Map ID: Long Beach, California 7.5-minute Quadrangle
Description: The 1964 topographic map shows the Site as undeveloped land that is bounded on the north by the interchange of Lakewood Boulevard with Interstate Highway 405. Expansion of the Long Beach Airport toward the southeast is shown on this map along with notable increases in residential and commercial development to the west, southeast, and northeast. Three structures are depicted on this map at a location directly east of the Site across Lakewood Boulevard; these building likely represent the Standard Oil Company gasoline service station.

Date: 1972
Scale: 1:24,000
Map ID: Long Beach, California 7.5-minute Quadrangle
Description: The 1972 topographic map shows the present-day structures on the Site, the gasoline service station buildings to the east across Lakewood Boulevard, and generally the same commercial and residential development in the Site vicinity as depicted on the 1964 topographic map. This map also shows the circular building at the location of the present-day Holiday Inn (east of the Site) and a few more commercial buildings to the west of the Site along East Willow Street.

Date: 1981
Scale: 1:24,000
Map ID: Long Beach, California 7.5-minute Quadrangle
Description: The 1981 topographic map depicts the Site and surroundings as essentially the same as depicted on the 1972 topographic map.

Other Documents

Although requested, no previously prepared environmental reports such as Phase I or II Environmental Site Assessments, lead-based paint surveys, lead-in-water surveys, asbestos surveys or geotechnical reports were provided for Hygienetics' review. Bixby Land Company did provide copies of two plat maps; one a boundary and topographic survey map and the other an easement and utility map.

3.3.6 Historical Use Information on Adjoining Properties

By review of the standard historical sources referenced above, the historical uses of the adjoining properties are summarized below:

- North:** Property adjacent to the northern property line was natural undeveloped land, agricultural land, and periodically vacant land between 1902 and the early 1960s. By 1964, this land was improved with the on- and off-ramps to and from Interstate Highway 405 (San Diego Freeway) and connecting Lakewood Boulevard.
- South:** Property to the south of the Site was agricultural land in 1928. By 1947, an unpaved East Willow Street bounded the southern side of the Site and land immediately to the south was vacant property. Available records indicate the corner property was developed with a Shell gasoline service station in approximately 1957 and sometime between 1957 and 1968 the present Worthington Auto Body building was constructed. The uses of these properties have not changed since that time. Releases of petroleum hydrocarbons from Shell service station facilities have affected soil and ground water beneath that site. The distribution of these contaminants on the ground water, combined with the direction of ground-water flow indicates a potential for impact to the Site, and a potential recognized environmental condition.
- East:** Property to the east of the Site was agricultural land in 1928. Lakewood Boulevard was constructed sometime between 1928 and 1947 bounding the eastern side of the Site. The land east of Lakewood Boulevard was vacant land between 1947 and approximately 1952 when a small structure (possibly a real estate office was constructed). A Standard Oil Company (Chevron) gasoline station was constructed on the property in 1957 and has operated at that site since that time. Significant releases of petroleum hydrocarbons have occurred at the station, however, remediation efforts have essentially kept contaminants from migrating with the ground water to the Site and no environmental impact is likely. Property to the southeast of the Site was agricultural and vacant land until approximately 1952 when a Mobile gasoline station was constructed on the property. The service station operated at the location until sometime after 1976 and before 1989. Information on potential petroleum releases from the former service station is not available. The present day Spires Restaurant was located on the property by 1989.
- West:** Property immediately west of the Site was agricultural land or vacant until approximately the early 1960s when it appears to have been developed as a parking lot. The property was developed with the present Residence Inn sometime during or shortly before 1989.

4.0 SITE RECONNAISSANCE

4.1 General Site Characteristics

The Site, presently occupied by KIA of Long Beach, consists of a 1.68-acre, irregular-shaped parcel that is used for new and used automobile sales and service. A portion of the Site is developed with two single-story buildings and the remaining areas are paved with asphalt and used for parking. The Site was agricultural land or vacant until 1963. The two present-day buildings were constructed in 1963-1964 and 1966, respectively, for use as an auto dealership and the Site has been used for this purpose since that time. According to a regulatory-agency database report, the Site is listed as a small quantity generator of hazardous wastes, is listed as having generated and disposed of oil/water separation sludge and paint sludge, and is listed as historically having an underground waste-oil storage tank on the Site.

The Site is located on the northwestern corner of the intersection of East Willow Street and Lakewood Boulevard and is in a mixed commercial and residential area of Long Beach. Bounding the Site property to the north are freeway on- and off-ramps leading to and from Interstate Highway 405 (San Diego Freeway). Lakewood Boulevard bounds the Site to the east and beyond lie a Chevron gasoline service station (2610 Lakewood Boulevard) and a Holiday Inn (2640 Lakewood Boulevard). To the southeast, across the East Willow Street/Lakewood Boulevard intersection is Spires Restaurant (2590 Lakewood Boulevard), which is located on property formerly occupied by a gasoline service station (Phillips 66). East Willow Street bounds the Site to the south and beyond are a Shell gasoline service station (2589 Lakewood Boulevard) and Worthington Auto Body (4170 East Willow Street). A Residence Inn by Marriott (4111 East Willow Street) occupies property immediately west of the Site.

Data from subsurface environmental investigations performed at the Chevron (east) and Shell (south) gasoline service stations show ground water flows to the west or west-northwest, which is counter to the surface topographic slope and generally toward the Site. The three gasoline service stations are or were approximately upgradient of the Site. Consultant reports show releases of petroleum hydrocarbons have impacted soil and ground water underlying the Chevron and Shell gasoline stations. Historical chemical data from 1987 to 2006 suggest petroleum hydrocarbons released at the Chevron station have not migrated in the ground water to the Site. Chemical data from the Shell station show petroleum-contaminated ground water is at the northern edge of the station; however, offsite data are not available to substantiate whether or not these contaminants have moved across East Willow Street to the Site.

4.1.1 Solid Waste Disposal

Solid waste on the Site is collected in two 10-cubic yard dumpsters situated against the cinderblock wall near the northeastern corner of the property. EDCO Waste and Recycling Services collects solid waste once a week.

4.1.2 Surface Water Drainage

In the southern portion of the Site, surface runoff is directed toward a narrow gutter that runs north-to-south and ends at an on-Site drain inlet near the south-central edge of the Site (along East Willow Street). Surface runoff in the northern portion of the Site is directed toward a shallow east-to-west running concrete gutter that slopes toward the east. This gutter directs surface water beneath the cinderblock wall at the northeastern corner of the Site and into an off-Site drainage channel. These drainage features are shown on the Site Plan.

4.1.3 Wells and Cisterns

No aboveground evidence of wells or cisterns was observed during the Site reconnaissance.

4.1.4 Wastewater

During the September 6, 2006 Site inspection, Hygienetics noted the westernmost bay of the western service garage was used for washing vehicles/equipment. A 2- by 3-foot metal grate was observed in the concrete floor of this bay indicating an underground oil/water separator was present. Hygienetics asked an employee, who has worked at the Site for several years, the size and construction of the separator and the employee did not know. The employee indicated that waste (presumed to be oily sludge) is pumped out of the separator periodically and removed from the Site. The employee did not know about liquid discharge from the separator and Hygienetics presumes the separator discharges wastewater to the sanitary sewer.

4.1.5 Additional Site Observations

No additional relevant general Site characteristics were observed.

4.2 Potential Environmental Conditions

4.2.1 Hazardous Materials and Petroleum Products Used or Stored at the Site

Hygienetics reviewed files available at the City of Long Beach, Department of Health and Human Services, Hazardous Materials Division regarding hazardous materials storage, use, or releases. Inspection reports dated, January 5 and March 31, 2006 indicate violations existed at KIA of Long Beach including the need to obtain a waste generator permit and an EPA identification number, the need to prepare and submit a hazardous materials contingency plan, and requests to improve housekeeping practices and cleanup spills. An inspection report, dated July 26, 2006, states "All corrective actions done. No further action." Inspection reports in 2005 for Worthington Cars and Trucks-KIA and in previous years for Browning Long Beach Oldsmobile SAAB indicate violations in recordkeeping and reporting requirements and hazardous materials management practices. The records do not include any significant release incidents. KIA of Long Beach has a Business Plan on file with the Hazardous Materials Division. The Business Plan indicates no underground storage tanks are on-Site. The following table identifies the hazardous materials and hazardous wastes observed to be used, stored or generated on the Site.

HAZARDOUS SUBSTANCES/WASTES NOTED ONSITE				
Substance	Container Size/ Total Amount	Location	Substance Use	Disposal Method (If Applicable)
Waste Antifreeze	Four 55-gallon drums in secondary container	West wall of eastern service building	Automotive Repair	Carr's Waste- Oil Service
Lube oil	Three 20-gallon drums	West wall of eastern service building	Automotive Repair	Supplier: Orange Line Oil Company

HAZARDOUS SUBSTANCES/WASTES NOTED ONSITE				
Substance	Container Size/ Total Amount	Location	Substance Use	Disposal Method (If Applicable)
Waste Oil	500-gallon, double-wall AST	West wall of eastern service building	Automotive Repair	Carr's Waste-Oil Service
Virgin Oil	360-gallon, double-wall AST	West wall of eastern service building	Automotive Repair	Supplier: Orange Line Oil Company
Transmission Fluid	120-gallon, double-wall AST	West wall of eastern service building	Automotive Repair	Supplier: Orange Line Oil Company
Used oil filters	Two 55-gallon drums	Southwest wall of eastern service building	Automotive Repair	Recycler
Batteries	Two on a wood pallet	Southwest wall of eastern service building	Automotive Repair	Recycler
Used oil filters	One 55-gallon drum	East wall of western service building	Automotive Repair	Recycler
Used oil filters	One 55-gallon drum	West wall of western service building	Automotive Repair	Recycler
Engine coolant, WD-40, cleaners, lubricants	Various small size containers on work benches and carts	Both service buildings	Automotive Repair	
Oily sludge	Underground oil/water separator	West bay of western service building	Automotive Repair	Carr's Waste Oil Service

4.2.1.1 Unlabeled Containers and Drums

No unlabeled containers or drums were observed during the Site reconnaissance.

4.2.1.2 Disposal Locations of Regulated/Hazardous Waste

According to the Business Plan on file with the Hazardous Materials Division, the average daily quantities of the following hazardous materials/wastes are at the Site.

- Automatic transmission fluid 130 gallons
- Lubricating oil 370 gallons
- Waste antifreeze 110 gallons
- Waste oil 350 gallons



Carr's Waste Oil Service (Carr's) removes waste oil and waste antifreeze from the Site. A checklist on the waste-oil AST indicated that Carr's removed 490 gallons of waste oil on August 8, 2006. According to the Site maintenance employee interviewed about the oil/water separator, Carr's also periodically removes sludge from the separator.

A small, narrow room located on the south side of the western service garage contains two air compressors that supply compressed air for vehicle maintenance activities. Labels on the compressors indicate Wayne Company manufactured the compressors in 1991. No containers of oil or other chemicals were observed in this room.

4.2.2 Evidence of Releases

Heavy oil staining was observed on the concrete floor near the drums and ASTs of product and wastes located at the western end of the eastern service garage. The entire concrete floor of the 5-bay eastern service garage is darkened from use and oil spots are at scattered locations. The concrete floor of the 4-bay western service garage is also darkened from use with similar scattered oil spots, except for the westernmost bay that is used for washing vehicles/equipment. The floor in this bay was observed to be relatively free of staining. As in the eastern service garage, the concrete floor of the western service garage appeared in relatively good condition and few cracks were noted. Heavy oil staining of the concrete floor was also observed beneath the two Wayne Company compressors located in the small room on the south side of the western service garage. The concrete floor appeared in good condition with no obvious cracks and only minor corrosion. Asphalt-paved parking areas exhibited normal surface staining due to use. No other areas of the Site were observed to have obvious indications of hazardous materials or hazardous wastes releases during the Site reconnaissance.

4.2.3 Polychlorinated Biphenyls (PCBs)

Older transformers and other electrical equipment could contain polychlorinated biphenyls (PCBs) at a level that subjects them to regulation by the USEPA. PCBs in electrical equipment are controlled by USEPA regulations 40 CFR, Part 761. Under the regulations, there are three categories into which electrical equipment can be classified:

- Less than 50 parts per million (ppm) of PCBs – *“Non-PCB” transformer*
- 50 to 500 ppm PCBs – *“PCB-Contaminated” electrical equipment*
- Greater than 500 ppm PCBs – *“PCB” transformer*

Hygienetics did not observe any pad-mounted transformers on the Site during the site visit. Three transformer canisters; however, were observed on a telephone pole located at the west-central end of the Site property. The canisters appeared from the ground to be in good condition and no obvious stains were observed on the asphalt at the base of the pole. Any identifying information on the canisters could not be observed from the ground.

Hydraulic-lift car hoists were also observed in both service garages. Five hoists are located in the eastern service garage and four hoists are located in the western service garage. All lifts are aboveground and no obvious signs of leakage of hydraulic fluids onto the concrete floor were observed during the Site visit.

4.2.4 Landfills

No evidence of on-Site landfilling was observed or reported during the Site reconnaissance.

4.2.5 Pits, Ponds, Lagoons, Sumps, and Catch Basins

No evidence of on-Site pits, ponds, or lagoons was observed during the Site reconnaissance. No evidence of sumps or catch basins, other than the drain inlet used for storm water removal, was observed during the Site reconnaissance.

4.2.6 On-Site ASTs and USTs

No evidence of USTs, such as a concrete pad(s), manholes, or vent pipes was observed during the Site reconnaissance. Information in the EDR regulatory database report indicates a waste-oil UST was on the Site at one time. During the Site visit, Hygienetics observed three ASTs on the concrete floor aligned along the western wall of the eastern service garage. The largest AST stores waste oil and is approximately 500 gallons in size. This tank is constructed of double-wall steel and was manufactured in 1991. Adjacent to the waste-oil AST are a 360-gallon virgin oil AST followed by a 120-gallon transmission fluid AST. These two tanks are also of double-wall steel construction.

4.2.7 Radiological Hazards

No radiological substances or equipment was observed on the Site.

4.2.8 Drinking Water

The Site is connected to the city water supply provided by the Long Beach Water Department. According to the current water quality report, the drinking water supplied to the site is within state and federal standards, including lead and copper. Water sampling was not requested as a part of the scope of work for this ESA and no sampling not conducted at the Site to verify water quality.

4.2.9 Additional Hazard Observations

No additional hazards were observed during the Site visit.

4.2.10 Asbestos-Containing Materials (ACMs)

A survey of asbestos-containing materials (ACMs) was not requested as part of the scope of work for this ESA. No building plans or specifications, which may be useful in determining areas likely to have used ACM, were made available for review. Based on the date of construction of the two Site buildings (1963-1964 and 1966) there is a potential that ACM was used in construction materials. In addition, OSHA regulation 29 CFR 1926.1101 requires certain construction materials to be *presumed* to contain asbestos, for purposes of this regulation. All thermal system insulation (TSI), surfacing material, and asphalt/vinyl flooring that are present in a building constructed prior to 1981 and have not been appropriately tested are presumed asbestos containing material (PACM)

According to the USEPA, ACM and PACM that is intact and in good condition can, in general, be managed safely in-place under an Operations and Maintenance (O&M) program until removal is dictated by renovation, demolition, or deteriorating material condition. Prior to any

disturbance of the construction materials within this facility, a comprehensive ACM survey is recommended.

4.2.11 Radon

The USEPA has prepared a map to assist National, State, and local organizations to target their resources and to implement radon-resistant building codes. The map divides the country into three Radon Zones; Zone 1 being those areas with the average predicted indoor radon concentration in residential dwellings exceeding the USEPA Action limit of 4.0 picoCuries per Liter (pCi/L). It is important to note that the USEPA has found homes with elevated levels of radon in all three zones, and the USEPA recommends site specific testing in order to determine radon levels at a specific location. However, the map does give a valuable indication of the propensity of radon gas accumulation in structures. Review of the EPA Map of Radon Zones places the Site in Zone 2, where average predicted radon levels are greater than or greater than 2.0 pCi/L but less than 4.0 pCi/L. Based on the commercial nature of the structure use (i.e. non-residential) and lack of below grade structures for potential accumulation, radon is not considered to be a significant concern to the Site.

Sampling for radon was not requested as part of the scope of work for this ESA and no radon samples were collected at the Site.

4.2.12 Lead-Based Paint

Lead-based paint may be present at the Site because the buildings were constructed before 1978. Current regulations regarding lead-based paint generally apply to residential properties. Lead-based paint is not considered a significant environmental concern; however, because the permanent buildings at the Site are for commercial and not residential use. The painted surfaces of the majority of the Site buildings were observed to be in good condition with no signs of peeling or flaking. Paint was observed to be peeling, however, on the wood trim above the two maintenance garages. Sampling and analyzing paint for lead content was not requested as part of the scope of work for this ESA and no sampling was performed.

4.2.13 Mold

As part of this assessment, Hygienetics performed a limited visual inspection for the significant presence of mold. A class of fungi, molds have been found to cause a variety of health problems in humans, including allergic, toxicological, and infectious responses. Molds are decomposers of organic materials, and thrive in humid environments, and produce tiny spores to reproduce, just as plants produce seeds. When mold spores land on a damp spot indoors, they may begin growing and digesting whatever they are growing on in order to survive. When excessive moisture or water accumulates indoors, mold growth will often occur, particularly if the moisture problem remains undiscovered or unaddressed. As such, interior areas of buildings characterized by poor ventilation and high humidity are the most common locations of mold growth. Building materials including drywall, wallpaper, baseboards, wood framing, insulation and carpeting often play host to such growth.

Hygienetics observed interior areas of the Site structure(s) for the presence of significant presence of mold. Hygienetics did not note obvious visual or olfactory indications of the presence of mold, nor did Hygienetics observe obvious indications of significant water damage.

This activity was not designed to discover all areas that may be affected by mold growth on the Site. Rather, it is intended to give the client an indication if significant (based on observed areas) mold growth is present at the Site. Additional areas of mold not observed as part of this limited assessment, possibly in pipe chases, heating, ventilation, and air-conditioning (HVAC) systems and behind enclosed walls and ceilings, may be present on the Site.

5.0 INTERVIEWS

Interviews were conducted with the following individuals. Findings from these interviews are discussed in the appropriate sections in this report.

CONTACT NAME PHONE NUMBER	AFFILIATION	DATE INTERVIEWED	COMMENTS
Aerial Riccitelli (562) 420-2900	On-Site Manager	9/6/06	At Site only 8 months and has little knowledge of Site.
Jeff Wissler FAX (213) 576-6717	Los Angeles Regional Water Quality Control Board (LARWQCB)	9/20/06	LARWQCB has no files for the Site.

6.0 FINDINGS AND CONCLUSIONS

6.1 Findings

6.1.1 On-Site Environmental Conditions

Potential on-Site environmental conditions that were identified during the course of this assessment include possible adverse impacts from the existing underground oil/water separator and from the former waste-oil UST. The ages of the two Site buildings suggest the possible presence of ACMs and lead-based paint. Peeling paint was observed on the wood trim of the two service garages.

6.1.2 Off-Site Environmental Conditions

Review of historical records and consultant reports revealed the present or former existence of three gasoline service stations adjacent to and upgradient of the Site. Subsurface information on the former service station, which ceased operations in the 1970s or 1980s, is not available and the potential impact to the Site from this station cannot be judged. Available subsurface information suggests petroleum hydrocarbons released at the Chevron station located east of the Site have not affected the Site. Available subsurface information indicates petroleum hydrocarbons released at the Shell station located south of the Site may potentially have impacted the Site.

No other off-site concerns were identified during the site reconnaissance or regulatory review.

6.1.3 Previously Resolved Environmental Conditions

No historical recognized environmental conditions were identified in connection with the Site during the course of this assessment.

6.1.4 De Minimis Environmental Conditions

De minimis environmental conditions identified at the Site include the heavy oil staining observed around the waste-oil and product ASTs. Good housekeeping practices should be performed to further reduce this *de minimis* condition.

6.2 Opinion

The presence of the underground oil/water separator and the former presence of the waste-oil UST may represent on-Site recognized environmental conditions to the Site. The upgradient location of the Shell service station where petroleum hydrocarbons have been released to the soil and ground water may also represent a recognized environmental condition to the Site.

6.3 Conclusions

Hygienetics has performed a Phase I ESA of KIA of Long Beach located at 4201 East Willow Street in Long Beach, California. The ESA was performed in conformance with the scope and limitations of ASTM Practice E 1527-00 and no exceptions to or deletions from this practice have been made. This assessment has revealed the following:



On-Site

- Based on the ages of the two Site buildings (1963-1964 and 1966), asbestos-containing materials (ACMs) may likely be present in building materials.
- Based on the ages of the two Site buildings, lead-based paint may also be present on the Site buildings. Peeling paint was observed on the exterior wood trim of the two automobile service structures.
- Regulatory agency database records indicate an underground storage tank (UST) that was used to store waste oil was formerly on the Site. No records of the former location, disposition, or potential impact from this UST were available for review and any potential impact from this former UST is uncertain.
- An underground oil/water separator is presently used on the Site. At the time of Hygienetics' Site visit, Site employees did not know about the separator's size and present integrity or the condition of the presumed discharge line to the sanitary sewer. This separator may have been in use since the 1960s and releases of oily liquids may have taken place during up to 40 years of operation. Based on experience with releases from underground separators of equivalent age, this underground separator may represent a recognized environmental condition to the Site.

No other environmental concerns were noted on the Site during the Phase I ESA Site inspection or as a result of regulatory agency records review.

Off-Site

Chevron and Shell gasoline service stations are presently operating at locations east (across Lakewood Boulevard) and south (across East Willow Street) of the Site, respectively. A third gasoline service station (Phillips 66) was located to the southeast across the intersection of the two roads until sometime between 1976 and 1989. The Phillips 66 station was likely removed before underground storage tank regulations were implemented and no environmental data for the former station's site address were found in regulatory agency files. Potential impact from this formerly upgradient service station is not known. Data from subsurface investigations performed at the Chevron and Shell service stations show that petroleum hydrocarbons have impacted soil and ground water beneath the two stations and that ground water flows from these stations toward the Site. Investigation at the Chevron station suggests petroleum hydrocarbons released at this station have not reached the Site. Data from the Shell station investigations indicate relatively high concentrations of petroleum hydrocarbon constituents are present in the ground water near the northern edge of the Shell station property. Because offsite data are not available to establish no impact, these concentrations may represent a recognized environmental condition to the Site.

This assessment has revealed no evidence of other recognized environmental conditions in connection with surrounding off-Site properties.

6.4 Recommendations

Based on the findings of this ESA, Hygienetics recommends the following:

- Confirmed and suspect ACMs should be managed in-place in good condition under an Asbestos Operations & Maintenance (O&M) Program and Hygienetics recommends an asbestos O&M plan be prepared to manage the ACMs. Should future demolition or renovation plans include impacting any suspect ACMs, sampling of these materials in accordance with applicable requirements of the

Occupational Safety and Health Administration (OSHA) and the United States Environmental Protection Agency (USEPA) National Emission Standards for Hazardous Air Pollutants (NESHAPS) would be required before any impact takes place. If suspect materials not previously sampled are determined to be ACMs, then removal in accordance with applicable regulations would be necessary before impact by renovation or demolition activities.

- Hygienetics recommends that the peeling and flaking lead-based paint observed on the wood trim be sampled, tested for lead content, properly removed based on the analytical results, and the wood surfaces sealed and repainted. If future demolition or renovation plans include impacting any painted surfaces which have not been tested for lead content, sampling of these materials would be recommended before any impact takes place. If these surfaces are determined to contain concentrations of lead at or above regulatory limits, then removal in accordance with applicable regulations may be necessary prior to impact by renovation or demolition activities. Disturbance of lead-based painted surfaces should be performed in accordance with 29 CFR 1926.62.
- Hygienetics recommends that additional investigation take place to attempt to identify the location and potential impact of the former waste-oil UST.
- Hygienetics recommends investigation and documentation of the condition and integrity of the underground oil/water separator and adjacent portion of the sanitary sewer discharge line. If this investigation indicates a compromised condition exists, a subsurface investigation may be warranted.

6.5 Deviations

This Phase I ESA substantially complies with the scope of services and ASTM 1527-00, as amended.

7.0 REFERENCES

Reports, Plans, and Other Documents Reviewed:

California Department of Water Resources, Southern District, 1961, *Planned utilization of the ground water basins of the Coastal Plain of Los Angeles County, Appendix A, ground water geology*. The Resources Agency of California, Bulletin No. 104.

Delta Environmental Consultants, Inc., 2006, *Second Quarter 2006 groundwater monitoring report and investigation and cleanup of MTBE and other oxygenates, Shell Service Station, 2589 Lakewood Boulevard, Long Beach, California*. Project No. PA2589L-1.

Environmental Data Resources, Inc., 2006, *The EDR Radius Map with GeoCheck, Commercial Property, 4201 Willow Street, Long Beach, CA 90815*. Inquiry Number: 1754405.2s, September 13.

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_____, 2006, *EDR historical topographic map report, commercial property, 4201 Willow Street, Long Beach, CA 90815*. Inquiry Number: 1754405.4, September 13.

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Norris, R. M. and Webb, R. W., 1976, *Geology of California*. John Wiley & Sons, Inc., 365 p.

Science Applications International Corporation, 2006a, *Fourth quarter 2005 updated site conceptual model, Chevron Station No. 9-3842, 2610 Lakewood Boulevard, Long Beach, California*. Project No. 06-6102-00-7350-060, January 15.

_____, 2006b, *1st quarter 2006 groundwater monitoring and progress report, Chevron Service Station No. 9-3842, 2610 Lakewood Boulevard, Long Beach, California*. Project No. 06-6102-00-7350-070.

United States Department of Agriculture, Soil Conservation Service, *Soil Survey of Los Angeles County*.

United States Geological Survey - 7.5-minute series (topographic) quadrangle, Long Beach, Calif., 1964, photorevised 1981.

Agencies Contacted:

City of Long Beach

Department of Health and Human Services, Hazardous Materials Division

Fire Department



Planning and Building Department

Water Department

County of Los Angeles

Office of the Assessor

State of California

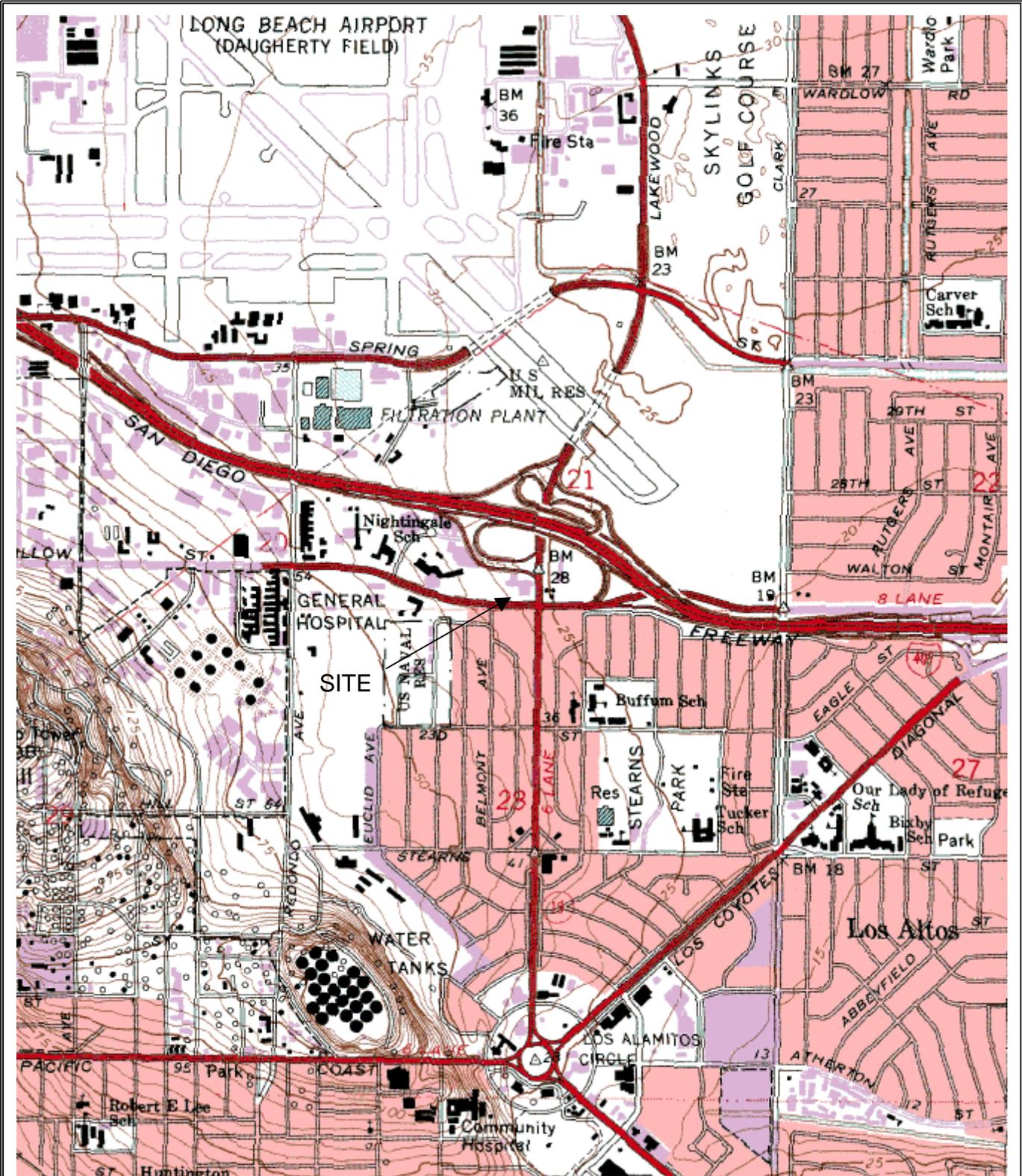
California Regional Water Quality Control Board, Los Angeles Region

Regional

South Coast Air Quality Management District

FIGURES

**SITE TOPOGRAPHIC MAP
SITE PLAN**



TOPOGRAPHIC MAP

DRAWING NOT TO SCALE

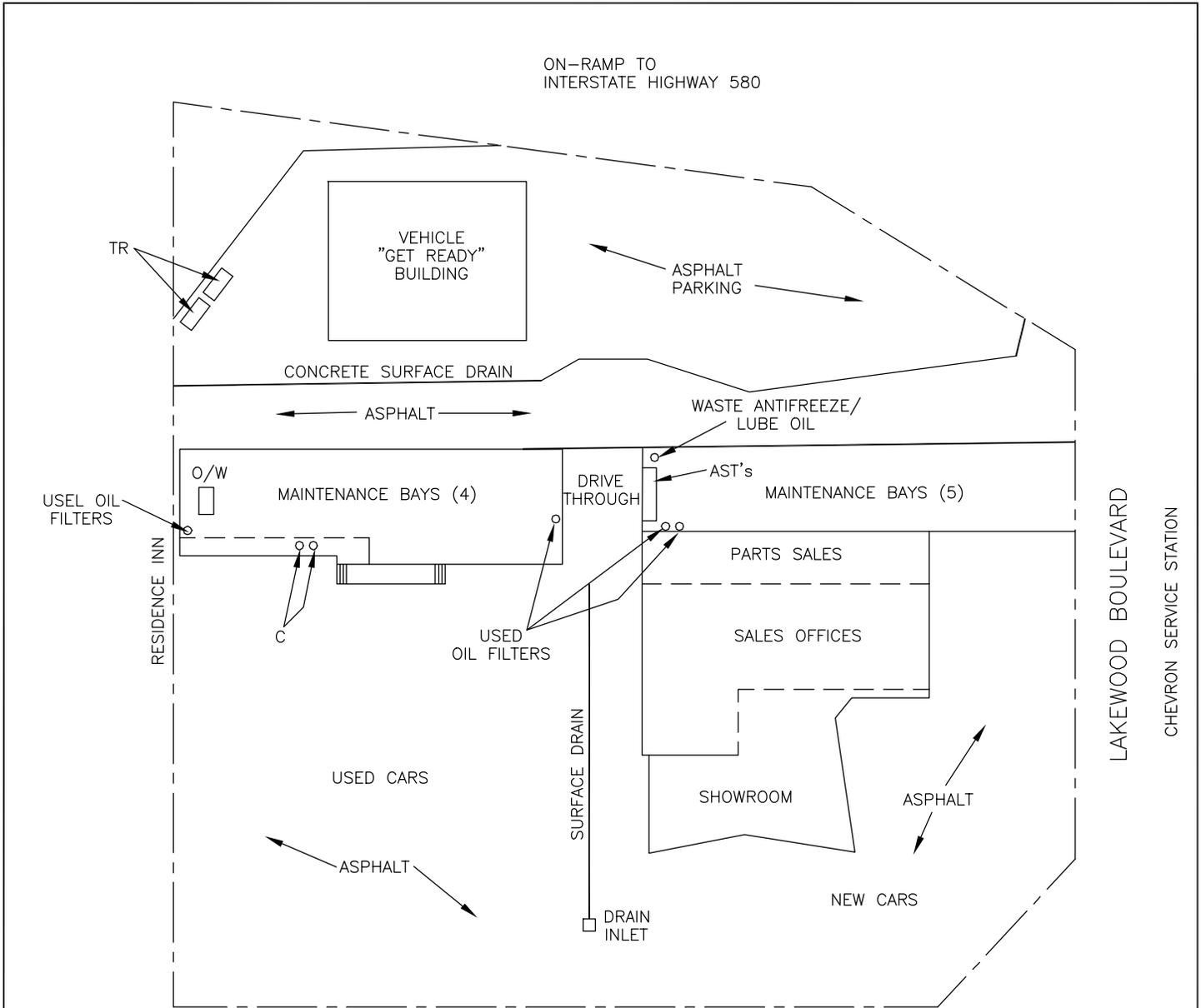


Source: USGS 7.5 Minute Topographic Map Long Beach, CA Quadrangle 1981

Hygienetics Environmental Services, Inc.
 1920 E. Warner Avenue, Suite A
 Santa Ana, CA 92705

Site Name: LAKWILNW
 4201 East Willow Street
 Long Beach, California

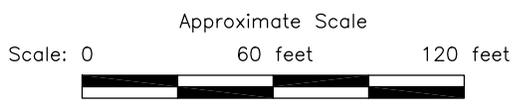
Project Number: 4401.150



EXPLANATION

- AST = Aboveground storage tanks
- O/W = Oil/water separator
- C = Air compressor
- TR = Trash container

SHELL SERVICE STATION



SITE PLAN

Figure 2

Hygienetics Environmental Services, Inc.
1920 E. Warner Avenue, Suite A
Santa Ana, CA 92705

Site Name: KIA of Long Beach
4201 Willow Street
Long Beach, California

Project Number: 4401.150

APPENDIX A
SITE PHOTOGRAPHS



KIA showroom from East Willow Street. Holiday Inn at right.



Used car sales parking lot and western service garage in rear.



Eastern service garage and concrete surface drain line.



Western service garage and concrete surface drain line.



Interior of eastern service garage showing hydraulic lifts.



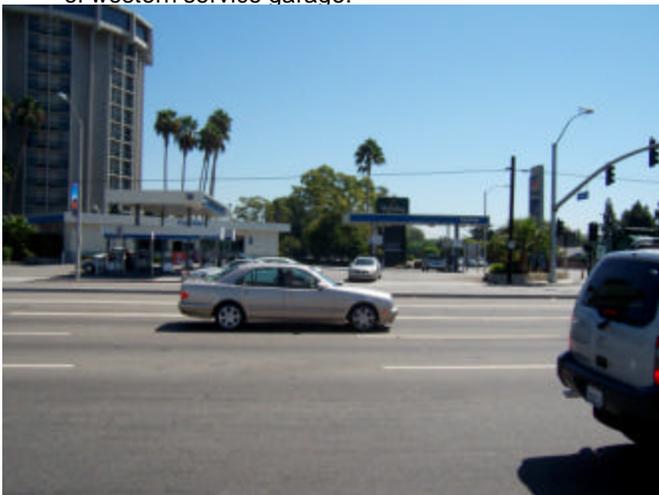
Waste and product ASTs and drums along western wall of eastern service garage.



Metal plate overlying oil/water separator in western bay of western service garage.



Interior of new car "get ready" building.



Chevron gasoline station at 2610 Lakewood Boulevard and Holiday Inn at 2640 Lakewood Boulevard.



Spires Restaurant at 2590 Lakewood Boulevard.



Shell gasoline service station at 2589 Lakewood Boulevard.



Worthington Auto Body at 4170 East Willow Street.



Residence Inn by Marriott at 4111 East Willow Street.



View north of eastern property line showing off-ramp of Interstate Highway 405 and freeway overpass.

APPENDIX B

HISTORICAL RESEARCH DOCUMENTATION

APPENDIX B-1

AERIAL PHOTOGRAPHS



EDR® Environmental
Data Resources Inc

The EDR Aerial Photo Decade Package

**Commercial Property
4201 Willow Street
Long Beach, CA 90815**

Inquiry Number: 1754405.5

September 13, 2006

The Standard in Environmental Risk Management Information

440 Wheelers Farms Road
Milford, Connecticut 06461

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

EDR Aerial Photo Decade Package

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Date EDR Searched Historical Sources:

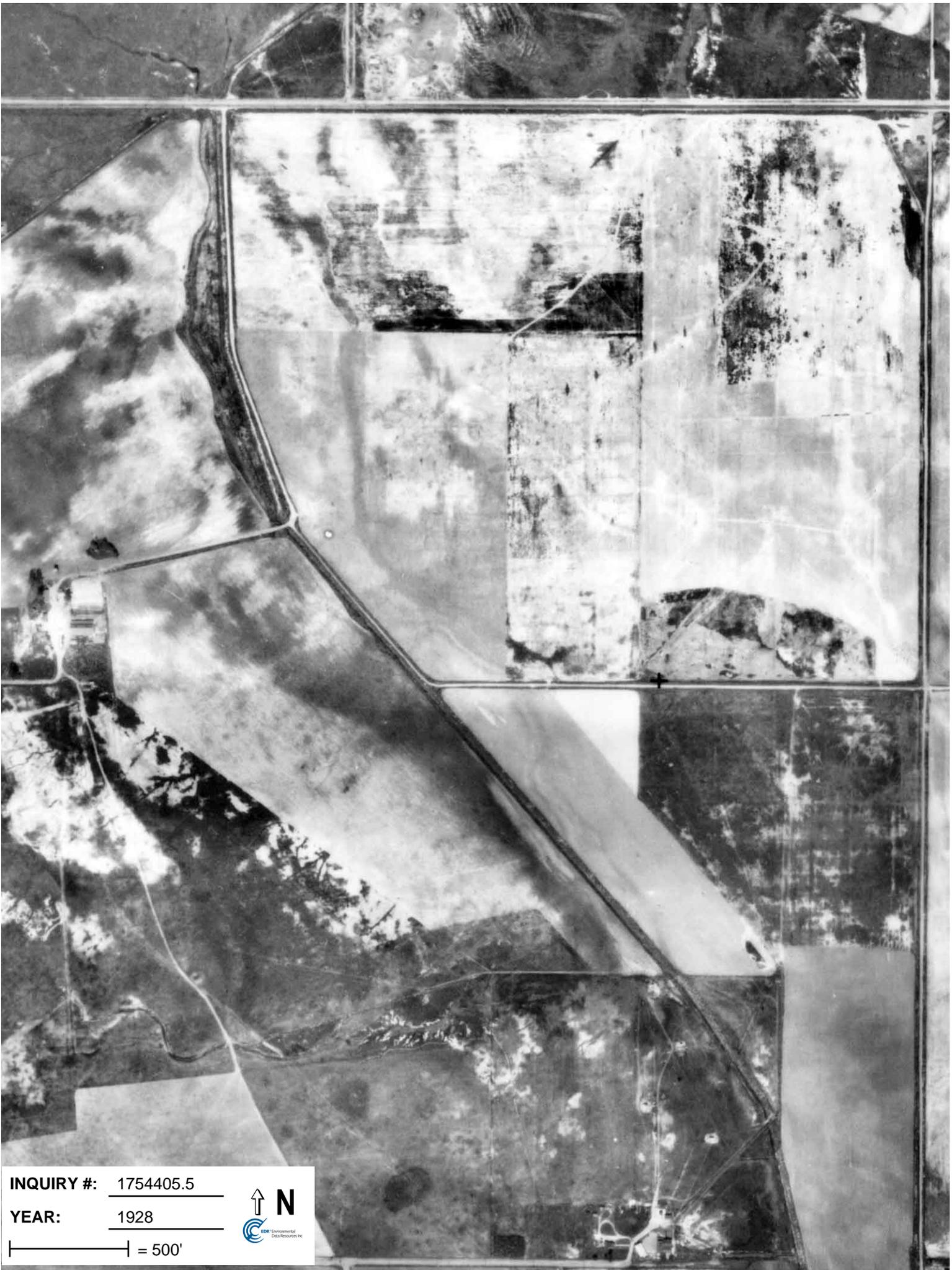
Aerial Photography September 13, 2006

Target Property:

4201 Willow Street

Long Beach, CA 90815

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
1928	Aerial Photograph. Scale: 1"=500'	Flight Year: 1928	Fairchild
1947	Aerial Photograph. Scale: 1"=666'	Flight Year: 1947	Fairchild
1956	Aerial Photograph. Scale: 1"=400'	Flight Year: 1956	Fairchild
1968	Aerial Photograph. Scale: 1"=480'	Flight Year: 1968	Teledyne
1976	Aerial Photograph. Scale: 1"=666'	Flight Year: 1976	Teledyne
1989	Aerial Photograph. Scale: 1"=666'	Flight Year: 1989	USGS
1994	Aerial Photograph. Scale: 1"=666'	Flight Year: 1994	USGS
2002	Aerial Photograph. Scale: 1"=666'	Flight Year: 2002	USGS



INQUIRY #: 1754405.5

YEAR: 1928

| = 500'





DWR

INQUIRY #: 1754405.5

YEAR: 1947

| = 666'



22555

INQUIRY #: 1754405.5
YEAR: 1956
| = 400'





INQUIRY #: 1754405.5

YEAR: 1968

| = 480'





INQUIRY #: 1754405.5

YEAR: 1976

| = 666'





INQUIRY #: 1754405.5

YEAR: 1989

— = 666'





INQUIRY #: 1754405.5

YEAR: 1994

— = 666'



APPENDIX B-2
FIRE INSURANCE MAPS



"Linking Technology with Tradition"®

Sanborn® Map Report

Ship To: Pamela Osuna
Hygienetics
1920 East Warner Avenue
Santa Ana, CA 92705

Order Date: 9/13/2006 **Completion Date:** 9/13/2006
Inquiry #: 1754405.3
P.O. #: NA
Site Name: Commercial Property

Customer Project: 4401.150
1092133BAR 949-955-0201

Address: 4201 Willow Street
City/State: Long Beach, CA 90815
Cross Streets:

This document reports that the largest and most complete collection of Sanborn fire insurance maps has been reviewed based on client supplied information, and fire insurance maps depicting the target property at the specified address were not identified.

NO COVERAGE

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report AS IS. Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

APPENDIX B-3
TITLE SEARCH RECORDS

TITLE SEARCH NOT IN SCOPE OF WORK

APPENDIX C

REGULATORY RECORDS DOCUMENTATION

APPENDIX C-1

MAPPED DATABASE REPORT



EDR® Environmental
Data Resources Inc

The EDR Radius Map with GeoCheck®

**Commercial Property
4201 Willow Street
Long Beach, CA 90815**

Inquiry Number: 1754405.2s

September 13, 2006

The Standard in Environmental Risk Management Information

440 Wheelers Farms Road
Milford, Connecticut 06461

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

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Detail Map	3
Map Findings Summary	4
Map Findings	6
Orphan Summary	31
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Government Records Searched/Data Currency Tracking	GR-1
 <u>GEOCHECK ADDENDUM</u>	
Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting Source Map	A-9
Physical Setting Source Map Findings	A-10
Physical Setting Source Records Searched	A-109

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 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

4201 WILLOW STREET
LONG BEACH, CA 90815

COORDINATES

Latitude (North): 33.805300 - 33° 48' 19.1"
Longitude (West): 118.142600 - 118° 8' 33.4"
Universal Transverse Mercator: Zone 11
UTM X (Meters): 394238.2
UTM Y (Meters): 3740961.2
Elevation: 33 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 33118-G2 LONG BEACH, CA
Most Recent Revision: 1964

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following government records. For more information on this property see page 6 of the attached EDR Radius Map report:

<u>Site</u>	<u>Database(s)</u>	<u>EPA ID</u>
BROWNING LONG BEACH OLDSMOBILE/SA 4201 E WILLOW ST LONG BEACH, CA	UST	N/A
WORTHINGTON KIA 4201 EAST WILLOW STREET LONG BEACH, CA 90815	RCRA-SQG FINDS HAZNET HIST UST	CAD981393606

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:

FEDERAL RECORDS

NPL..... National Priority List

EXECUTIVE SUMMARY

Proposed NPL	Proposed National Priority List Sites
Delisted NPL	National Priority List Deletions
NPL RECOVERY	Federal Superfund Liens
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP	CERCLIS No Further Remedial Action Planned
CORRACTS	Corrective Action Report
RCRA-TSDF	Resource Conservation and Recovery Act Information
RCRA-LQG	Resource Conservation and Recovery Act Information
ERNS	Emergency Response Notification System
HMIRS	Hazardous Materials Information Reporting System
US ENG CONTROLS	Engineering Controls Sites List
US INST CONTROL	Sites with Institutional Controls
DOD	Department of Defense Sites
FUDS	Formerly Used Defense Sites
US BROWNFIELDS	A Listing of Brownfields Sites
CONSENT	Superfund (CERCLA) Consent Decrees
ROD	Records Of Decision
UMTRA	Uranium Mill Tailings Sites
ODI	Open Dump Inventory
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substances Control Act
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
SSTS	Section 7 Tracking Systems
ICIS	Integrated Compliance Information System
PADS	PCB Activity Database System
MLTS	Material Licensing Tracking System
MINES	Mines Master Index File
RAATS	RCRA Administrative Action Tracking System

STATE AND LOCAL RECORDS

HIST Cal-Sites	Historical Calsites Database
CA BOND EXP. PLAN	Bond Expenditure Plan
SCH	School Property Evaluation Program
Toxic Pits	Toxic Pits Cleanup Act Sites
SWF/LF	Solid Waste Information System
CA WDS	Waste Discharge System
WMUDS/SWAT	Waste Management Unit Database
SWRCY	Recycler Database
SLIC	Statewide SLIC Cases
AOCONCERN	San Gabriel Valley Areas of Concern
AST	Aboveground Petroleum Storage Tank Facilities
CHMIRS	California Hazardous Material Incident Report System
Notify 65	Proposition 65 Records
LA Co. Site Mitigation	Site Mitigation List
DEED	Deed Restriction Listing
VCP	Voluntary Cleanup Program Properties
CLEANERS	Cleaner Facilities
WIP	Well Investigation Program Case List
LOS ANGELES CO. HMS	HMS: Street Number List
CDL	Clandestine Drug Labs
RESPONSE	State Response Sites
EMI	Emissions Inventory Data

EXECUTIVE SUMMARY

TRIBAL RECORDS

INDIAN RESERV...... Indian Reservations
INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land
INDIAN UST..... Underground Storage Tanks on Indian Land

EDR PROPRIETARY RECORDS

Manufactured Gas Plants... EDR Proprietary Manufactured Gas Plants
EDR Historical Cleaners..... EDR Proprietary Historic Dry Cleaners

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

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.

FEDERAL RECORDS

RCRAInfo: 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. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System(RCRIS). 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. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month Large quantity generators generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. 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-SQG list, as provided by EDR, and dated 06/13/2006 has revealed that there are 4 RCRA-SQG sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
SCHER TIRE NO 1 D B A GOODYEAR	2528 LAKEWOOD BLVD	1/8 - 1/4 S	20	23
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>CHEVRON STATION NO 93842</i>	<i>2610 N LAKEWOOD BLVD</i>	<i>0 - 1/8 S</i>	<i>B5</i>	<i>8</i>
SHELL S/S #204-4482-0904	2589 LAKEWOOD	1/8 - 1/4 S	C14	17
<i>KIMS SHELL SVC</i>	<i>2589 LAKEWOOD BLVD</i>	<i>1/8 - 1/4 S</i>	<i>C15</i>	<i>17</i>

EXECUTIVE SUMMARY

STATE AND LOCAL RECORDS

CORTESE: This database identifies public drinking water wells with detectable levels of contamination, hazardous substance sites selected for remedial action, sites with known toxic material identified through the abandoned site assessment program, sites with USTs having a reportable release and all solid waste disposal facilities from which there is known migration. The source is the California Environmental Protection Agency/Office of Emergency Information.

A review of the Cortese list, as provided by EDR, and dated 04/01/2001 has revealed that there are 2 Cortese sites within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
CHEVRON #9-3842 (CORP. SITE) (SHELL OIL STATION)	2610 LAKEWOOD BLVD	0 - 1/8 S	B7	10
	2589 LAKEWOOD BLVD	1/8 - 1/4S	C13	15

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

A review of the LUST list, as provided by EDR, and dated 07/11/2006 has revealed that there are 3 LUST sites within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
CHEVRON #9-3842 (CORP. SITE) (SHELL OIL STATION) Facility Status: Remedial action (cleanup) Underway	2610 LAKEWOOD BLVD	0 - 1/8 S	B7	10
SHELL OIL STATION Facility Status: Case Closed	2589 LAKEWOOD BLVD	1/8 - 1/4S	C13	15
SHELL SERVICE STATION Facility Status: Pollution Characterization	2589 LAKEWOOD BLVD.	1/8 - 1/4S	C17	19

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

A review of the CA FID UST list, as provided by EDR, and dated 10/31/1994 has revealed that there are 2 CA FID UST sites within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
93842 BIXBY LAND CO.	2610 LAKEWOOD BLVD 2589 LAKEWOOD	0 - 1/8 S 1/8 - 1/4S	B4 C18	8 21

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

A review of the UST list, as provided by EDR, and dated 07/11/2006 has revealed that there are 5 UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
KILROY AIRPORT CENTER	3800 KILROY AIRPORT WAY	1/8 - 1/4 WNW	21	23
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
CHEVRON #9-3842 (CORP. SITE) (SHELL OIL STATION)	2610 LAKEWOOD BLVD	0 - 1/8 S	B7	10

EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
SPIRES RESTAURANT	2590 LAKEWOOD BLVD	1/8 - 1/4 S	C11	14
JIM'S SHELL	2589 LAKEWOOD	1/8 - 1/4 S	C12	15
MICHAEL SHELL SERVICE(2 15M D/	2589 LAKEWOOD BLVD	1/8 - 1/4 S	C19	23

HIST UST: Historical UST Registered Database.

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

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
93842	2610 N LAKEWOOD BLVD	0 - 1/8 S	B6	9
BIXBY LAND CO.	2589 N LAKEWOOD BLVD	1/8 - 1/4 S	C16	18

SWEEPS: 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 1980's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 2 SWEEPS UST sites within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
CHEVRON #9-3842 (CORP. SITE) (2610 LAKEWOOD BLVD	0 - 1/8 S	B7	10
BIXBY LAND CO.	2589 LAKEWOOD	1/8 - 1/4 S	C18	21

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

A review of the ENVIROSTOR list, as provided by EDR, and dated 05/10/2006 has revealed that there are 2 ENVIROSTOR sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
LONG BEACH SCHROCDER HALL, USA Facility Status: * De-listed	3800 EAST WILLOW STREET	1/4 - 1/2 WSW	22	23
GULFSTREAM AEROSPACE CORPORATI Facility Status: Refer: RWQCB	4150 DONALD DOUGLAS DRI	1/2 - 1 N	23	25

EXECUTIVE SUMMARY

EDR PROPRIETARY RECORDS

EDR Historical Auto 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.

A review of the EDR Historical Auto Stations list, as provided by EDR, has revealed that there are 4 EDR Historical Auto Stations sites within approximately 0.25 miles of the target property.

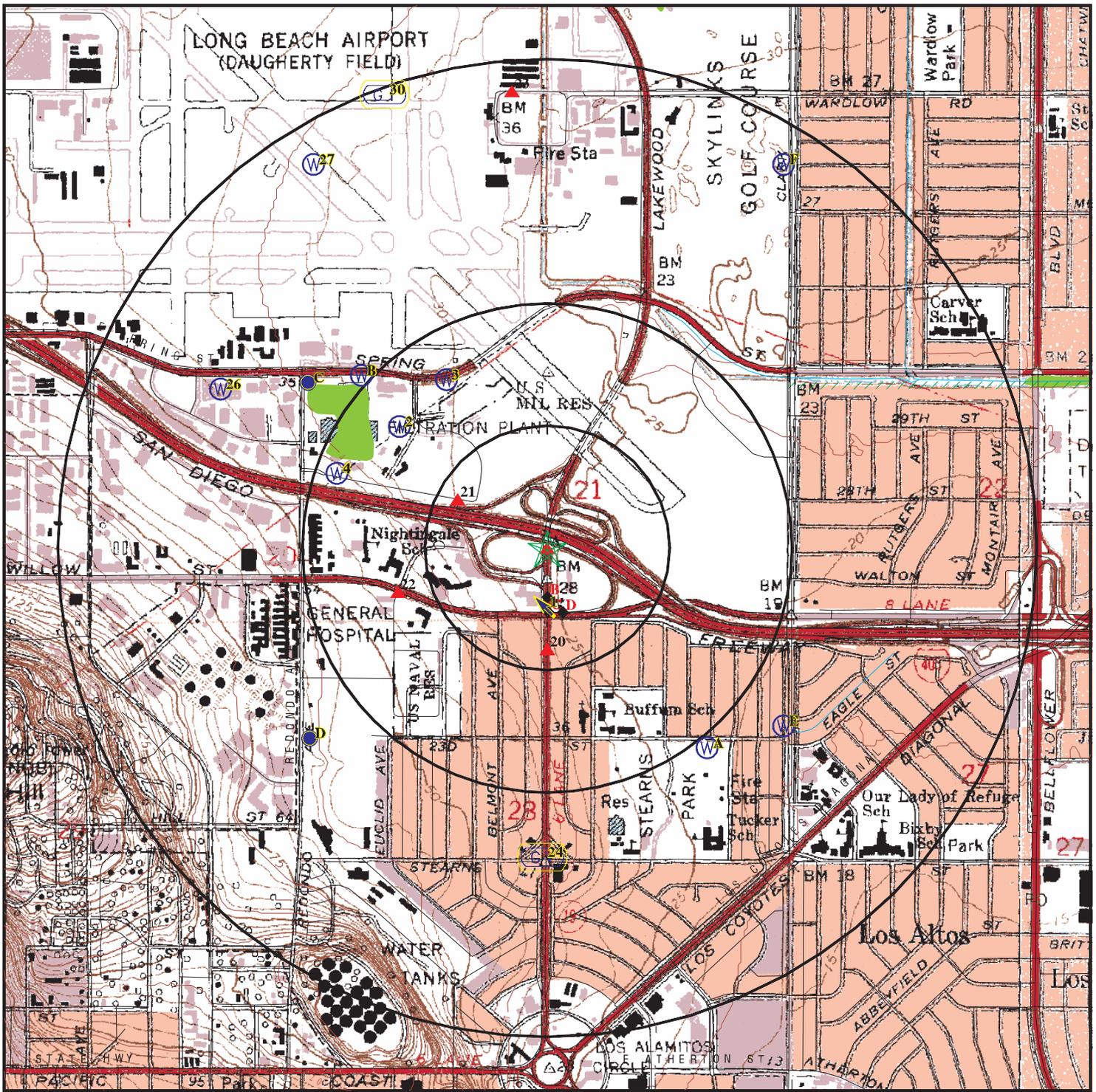
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
STANDARD STATIONS IN	2610 LAKEWOOD BLVD	0 - 1/8 S	B3	8
WILLIAMS C A	4317 ALHAMBRA AVE	1/8 - 1/4 S	C8	14
AINSWORTH C B	4789 ALHAMBRA RD	1/8 - 1/4 SSE	D9	14
EASTMAN THURSTON	4789 ALHAMBRA AVE	1/8 - 1/4 SSE	D10	14

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

<u>Site Name</u>	<u>Database(s)</u>
CITY OF SIGNAL HILL REDEV	SWEEPS UST
DICO OIL CO	SWEEPS UST
EASTMAN, INC	SWEEPS UST
2 / 3 MI DUE SOUTH NEWPORT BEACH PIER	HAZNET, LUST, CHMIRS
AIRFLITE INC	CERC-NFRAP
COVERSTREET STOCKPILE	SWF/LF
CHEVRON-ALAMITOS BAY PARTNERSH	HAZNET, LUST
CALTRANS	RCRA-SQG, FINDS
COMMERCIAL CARRIER INC. * 87	ERNS
ENVIROPUR PROPERTY	US BROWNFIELDS
DEPT OF TRANSPORTATION DISTRICT 7 PROJECT DEV B	SLIC
SIGNAL HILL PETROLEUM - WEST UNIT	SLIC
TOWN CENTER WEST - COMMERCIAL SITE	SLIC
TOWN CENTER WEST - COMMERCIAL SITE	SLIC
REINGART PROPERTY	SLIC
REINGART PROPERTY	SLIC
SIGNAL HILL LANDMARK PROPERTY	SLIC
TIPPIN PROPERTY	SLIC
TIPPIN PROPERTY	SLIC
DOOLEY'S HARDWARE MART PROPERTY	SCH, ENVIROSTOR
COMMERCIAL MOTORS CO	EDR Historical Auto Stations

OVERVIEW MAP - 1754405.2s

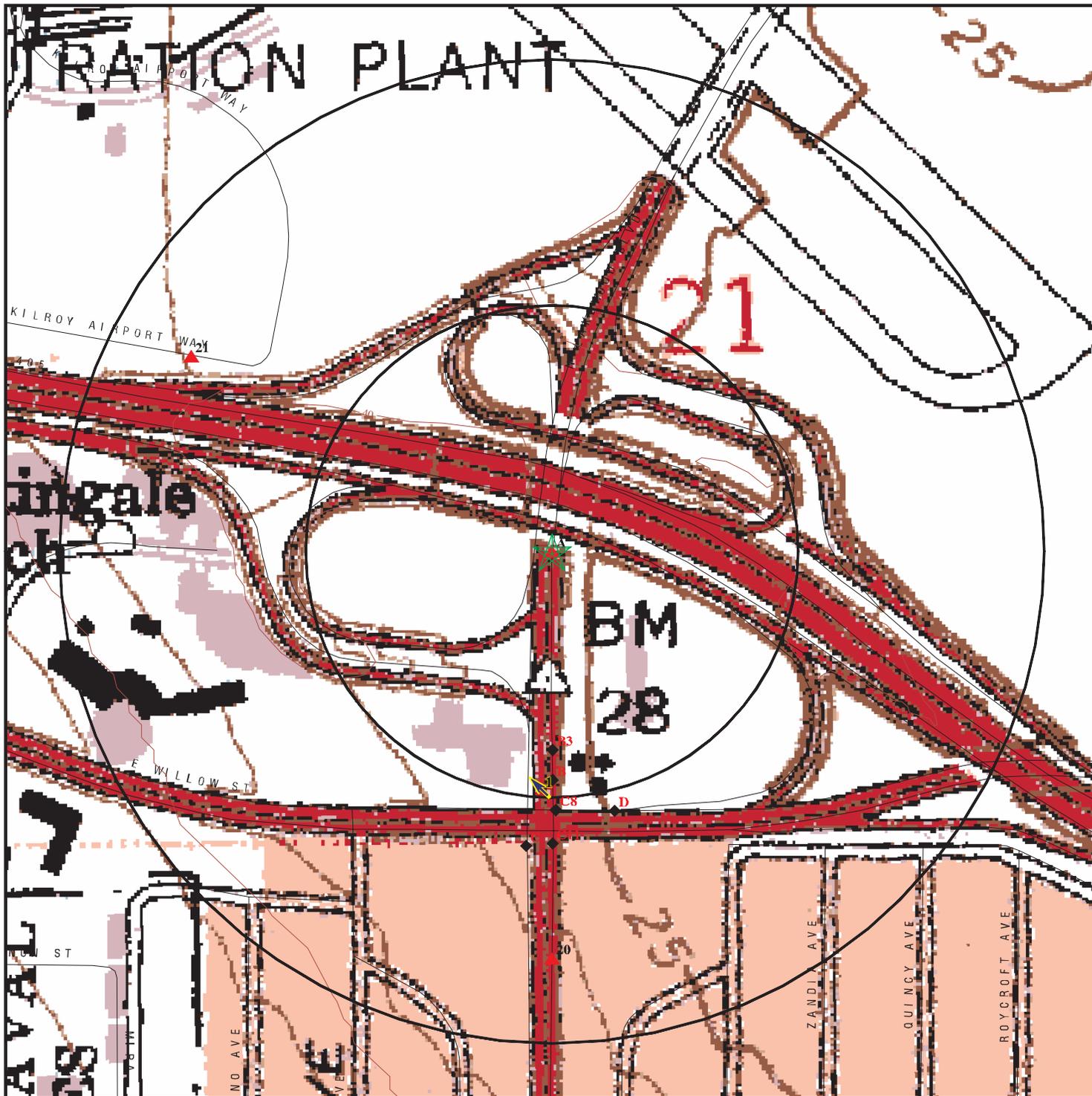


- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- National Priority List Sites
- Landfill Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- Areas of Concern

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

SITE NAME: Commercial Property
 ADDRESS: 4201 Willow Street
 Long Beach CA 90815
 LAT/LONG: 33.8053 / 118.1426

CLIENT: Hygienetics Environmental Svcs
 CONTACT: Pamela Osuna
 INQUIRY #: 1754405.2s
 DATE: September 13, 2006 2:04 pm



- ★ 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
- ▨ Landfill Sites
- ▨ Dept. Defense Sites

- ▨ Indian Reservations BIA
- ~ Oil & Gas pipelines
- ▨ 100-year flood zone
- ▨ 500-year flood zone

- ▨ Areas of Concern

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

SITE NAME: Commercial Property
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 Long Beach CA 90815
 LAT/LONG: 33.8053 / 118.1426

CLIENT: Hygienetics Environmental Svcs
 CONTACT: Pamela Osuna
 INQUIRY #: 1754405.2s
 DATE: September 13, 2006 2:04 pm

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<u>FEDERAL RECORDS</u>								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
Delisted NPL		1.000	0	0	0	0	NR	0
NPL RECOVERY		TP	NR	NR	NR	NR	NR	0
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP		0.500	0	0	0	NR	NR	0
CORRACTS		1.000	0	0	0	0	NR	0
RCRA TSD		0.500	0	0	0	NR	NR	0
RCRA Lg. Quan. Gen.		0.250	0	0	NR	NR	NR	0
RCRA Sm. Quan. Gen.	X	0.250	1	3	NR	NR	NR	4
ERNS		TP	NR	NR	NR	NR	NR	0
HMIRS		TP	NR	NR	NR	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
DOD		1.000	0	0	0	0	NR	0
FUDS		1.000	0	0	0	0	NR	0
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
UMTRA		0.500	0	0	0	NR	NR	0
ODI		0.500	0	0	0	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
FTTS		TP	NR	NR	NR	NR	NR	0
SSTS		TP	NR	NR	NR	NR	NR	0
ICIS		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
FINDS	X	TP	NR	NR	NR	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
<u>STATE AND LOCAL RECORDS</u>								
Hist Cal-Sites		1.000	0	0	0	0	NR	0
CA Bond Exp. Plan		1.000	0	0	0	0	NR	0
SCH		0.250	0	0	NR	NR	NR	0
Toxic Pits		1.000	0	0	0	0	NR	0
State Landfill		0.500	0	0	0	NR	NR	0
CA WDS		TP	NR	NR	NR	NR	NR	0
WMUDS/SWAT		0.500	0	0	0	NR	NR	0
Cortese		0.500	1	1	0	NR	NR	2
SWRCY		0.500	0	0	0	NR	NR	0
LUST		0.500	1	2	0	NR	NR	3
CA FID UST		0.250	1	1	NR	NR	NR	2
SLIC		0.500	0	0	0	NR	NR	0
AOCONCERN		1.000	0	0	0	0	NR	0
UST	X	0.250	1	4	NR	NR	NR	5

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
HIST UST	X	0.250	1	1	NR	NR	NR	2
AST		0.250	0	0	NR	NR	NR	0
SWEEPS UST		0.250	1	1	NR	NR	NR	2
CHMIRS		TP	NR	NR	NR	NR	NR	0
Notify 65		1.000	0	0	0	0	NR	0
LA Co. Site Mitigation		TP	NR	NR	NR	NR	NR	0
DEED		0.500	0	0	0	NR	NR	0
VCP		0.500	0	0	0	NR	NR	0
DRYCLEANERS		0.250	0	0	NR	NR	NR	0
WIP		0.250	0	0	NR	NR	NR	0
Los Angeles Co. HMS		TP	NR	NR	NR	NR	NR	0
CDL		TP	NR	NR	NR	NR	NR	0
RESPONSE		1.000	0	0	0	0	NR	0
HAZNET	X	TP	NR	NR	NR	NR	NR	0
EMI		TP	NR	NR	NR	NR	NR	0
ENVIROSTOR		1.000	0	0	1	1	NR	2
<u>TRIBAL RECORDS</u>								
INDIAN RESERV		1.000	0	0	0	0	NR	0
INDIAN LUST		0.500	0	0	0	NR	NR	0
INDIAN UST		0.250	0	0	NR	NR	NR	0
<u>EDR PROPRIETARY RECORDS</u>								
Manufactured Gas Plants		1.000	0	0	0	0	NR	0
EDR Historical Auto Stations		0.250	1	3	NR	NR	NR	4
EDR Historical Cleaners		0.250	0	0	NR	NR	NR	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

WORTHINGTON KIA (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000116105

Mailing Name: Not reported
Mailing Address: 4201 E WILLOW ST
LONG BEACH, CA 90815 - 1742
County: Los Angeles
Gepaid: CAD981393606
TSD EPA ID: CAD008302903
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .2960
Facility Address 2: Not reported
Waste Category: Paint sludge
Disposal Method: Recycler
Contact: R O GOULD CHRYSLER PLYMOUTH
Telephone: (000) 000-0000
Mailing Name: Not reported
Mailing Address: 4201 E WILLOW ST
LONG BEACH, CA 90815 - 1742
County: Los Angeles
Gepaid: CAD981393606
TSD EPA ID: CAT080013352
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .8340
Facility Address 2: Not reported
Waste Category: Aqueous solution with 10% or more total organic residues
Disposal Method: Recycler
Contact: R O GOULD CHRYSLER PLYMOUTH
Telephone: (000) 000-0000
Mailing Name: Not reported
Mailing Address: 4201 E WILLOW ST
LONG BEACH, CA 90815 - 1742
County: Los Angeles
Gepaid: CAD981393606
TSD EPA ID: CAD008302903
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .5212
Facility Address 2: Not reported
Waste Category: Paint sludge
Disposal Method: Recycler
Contact: R O GOULD CHRYSLER PLYMOUTH
Telephone: (000) 000-0000
Mailing Name: Not reported
Mailing Address: 4201 E WILLOW ST
LONG BEACH, CA 90815 - 1742
County: Los Angeles

[Click this hyperlink](#) while viewing on your computer to access 6 additional CA HAZNET record(s) in the EDR Site Report.

UST HIST:

Facility ID: 41622
Total Tanks: 1
Owner Address: 4201 E. WILLOW ST.
LONG BEACH, CA 90815
Tank Used for: WASTE
Owner Name: R.O. GOULD CHRYSLER PLYMOUTH I
Region: STATE

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

WORTHINGTON KIA (Continued)

1000116105

Tank Num:	1	Container Num:	1
Tank Capacity:	00000000	Year Installed:	Not reported
Type of Fuel:	WASTE OIL	Tank Construction:	Not Reported
Leak Detection:	None		
Contact Name:	R.S. DEWEES	Telephone:	(213) 595-1801
Facility Type:	Other	Other Type:	AUTO SALES & SVC.

B3
 South
 < 1/8
 532 ft.

**STANDARD STATIONS IN
 2610 LAKEWOOD BLVD
 LONG BEACH, CA**

EDR Historical Auto Stations

**1009016523
 N/A**

Site 1 of 5 in cluster B

**Relative:
 Lower**

EDR Auto Stations:
 Name: STANDARD STATIONS IN
 Year: 1969
 Type: GASOLINE STATIONS

**Actual:
 29 ft.**

Name: STANDARD STATIONS IN
 Year: 1969
 Type: GASOLINE STATIONS

B4
 South
 < 1/8
 613 ft.

**93842
 2610 LAKEWOOD BLVD
 LONG BEACH, CA 90815**

CA FID UST

**S101618236
 N/A**

Site 2 of 5 in cluster B

**Relative:
 Lower**

FID:
 Facility ID: 19001725 Regulate ID: 00062519
 Reg By: Active Underground Storage Tank Location
 Cortese Code: Not reported SIC Code: Not reported
 Status: Active Facility Tel: (213) 597-5627
 Mail To: Not reported
 2610 LAKEWOOD BLVD
 LONG BEACH, CA 90815
 Contact: Not reported Contact Tel: Not reported
 DUNS No: Not reported NPDES No: Not reported
 Creation: 10/22/93 Modified: 00/00/00
 EPA ID: Not reported
 Comments: Not reported

**Actual:
 29 ft.**

B5
 South
 < 1/8
 613 ft.

**CHEVRON STATION NO 93842
 2610 N LAKEWOOD BLVD
 LONG BEACH, CA 90815**

**RCRA-SQG
 FINDS**

**1000104017
 CAD981696081**

Site 3 of 5 in cluster B

**Relative:
 Lower**

**Actual:
 29 ft.**

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

CHEVRON STATION NO 93842 (Continued)

EDR ID Number
 EPA ID Number

1000104017

RCRAInfo:
 Owner: CHEVRON PRODUCTS CO
 (925) 842-5931
 EPA ID: CAD981696081
 Contact: KATHY NORRIS
 (925) 842-5931
 Classification: Small Quantity Generator
 TSD Activities: Not reported
 Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:
 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.

**B6
 South
 < 1/8
 613 ft.**

**93842
 2610 N LAKEWOOD BLVD
 LONG BEACH, CA 90815**

**HIST UST U001566345
 N/A**

**Relative:
 Lower**

Site 4 of 5 in cluster B

**Actual:
 29 ft.**

UST HIST:

Facility ID:	62519	Owner Name:	CHEVRON U.S.A. INC.
Total Tanks:	4	Region:	STATE
Owner Address:	575 MARKET SAN FRANCISCO, CA 94105		
Tank Used for:	PRODUCT		
Tank Num:	1	Container Num:	1
Tank Capacity:	00006000	Year Installed:	1969
Type of Fuel:	Not reported	Tank Construction:	0000250 unknown
Leak Detection:	Stock Inventor		
Contact Name:	BATTAGLIA,ROBERT S	Telephone:	(213) 597-5627
Facility Type:	Gas Station	Other Type:	Not reported
Facility ID:	62519	Owner Name:	CHEVRON U.S.A. INC.
Total Tanks:	4	Region:	STATE
Owner Address:	575 MARKET SAN FRANCISCO, CA 94105		
Tank Used for:	PRODUCT		
Tank Num:	2	Container Num:	2
Tank Capacity:	00006000	Year Installed:	1969
Type of Fuel:	Not reported	Tank Construction:	0000250 unknown
Leak Detection:	Stock Inventor		
Contact Name:	BATTAGLIA,ROBERT S	Telephone:	(213) 597-5627
Facility Type:	Gas Station	Other Type:	Not reported
Facility ID:	62519	Owner Name:	CHEVRON U.S.A. INC.
Total Tanks:	4	Region:	STATE
Owner Address:	575 MARKET SAN FRANCISCO, CA 94105		
Tank Used for:	PRODUCT		
Tank Num:	3	Container Num:	3
Tank Capacity:	00010000	Year Installed:	1969
Type of Fuel:	Not reported	Tank Construction:	0000250 unknown

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

EDR ID Number
 EPA ID Number

93842 (Continued)

U001566345

Leak Detection:	Stock Inventor	Telephone:	(213) 597-5627
Contact Name:	BATTAGLIA,ROBERT S	Other Type:	Not reported
Facility Type:	Gas Station		
Facility ID:	62519	Owner Name:	CHEVRON U.S.A. INC.
Total Tanks:	4	Region:	STATE
Owner Address:	575 MARKET SAN FRANCISCO, CA 94105		
Tank Used for:	WASTE		
Tank Num:	4	Container Num:	4
Tank Capacity:	00001000	Year Installed:	1969
Type of Fuel:	Not reported	Tank Construction:	0000130 unknown
Leak Detection:	Stock Inventor		
Contact Name:	BATTAGLIA,ROBERT S	Telephone:	(213) 597-5627
Facility Type:	Gas Station	Other Type:	Not reported

B7
South
< 1/8
613 ft.

CHEVRON #9-3842 (CORP. SITE) (3 D/W JOOR)
2610 LAKEWOOD BLVD
LONG BEACH, CA 90815

HAZNET **U003699913**
LUST **N/A**
Cortese
UST
SWEEPS UST

Site 5 of 5 in cluster B

Relative:
Lower

HAZNET:
 Gepaid: CAD981696081
 TSD EPA ID: CAD008302903
 Gen County: Los Angeles
 Tsd County: Los Angeles
 Tons: 0.07
 Facility Address 2: Not reported
 Waste Category: Aqueous solution with less than 10% total organic residues
 Disposal Method: Not reported
 Contact: DEACT SOLD -PH
 Telephone: 0
 Mailing Name: Not reported
 Mailing Address: 2610 N LAKEWOOD BLVD
 LONG BEACH, CA 90815 - 1715
 County: Los Angeles

Actual:
29 ft.

State LUST:
 Cross Street: WILLOW
 Qty Leaked: Not reported
 Case Number: 908150161
 Reg Board: Los Angeles Region
 Chemical: Gasoline
 Lead Agency: Regional Board
 Local Agency: 19060
 Case Type: Other ground water affected
Status: Remedial action (cleanup) Underway
 Review Date: Not reported
 Workplan: 1987-12-28 00:00:00
 Pollution Char: 2005-07-18 00:00:00
 Remed Action: 2005-09-22 00:00:00
 Monitoring: 1987-12-28 00:00:00
 Close Date: Not reported
 Release Date: 1987-12-28 00:00:00
 Cleanup Fund Id: Not reported
 Discover Date: 1985-05-15 00:00:00
 Enforcement Dt: 2001-03-06 00:00:00
 Enf Type: DLSEL

Confirm Leak: Not reported
 Prelim Assess: 1987-12-28 00:00:00
 Remed Plan: 2005-07-18 00:00:00

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

CHEVRON #9-3842 (CORP. SITE) (3 D/W JOOR) (Continued)

U003699913

Enter Date : 1988-06-16 00:00:00
Funding: Not reported
Staff Initials: Not reported
How Discovered: Not reported
How Stopped: Not reported
Interim : Not reported
Leak Cause: Not reported
Leak Source: Not reported
MTBE Date : 1997-02-06 00:00:00
Max MTBE GW : 3700 Parts per Billion
MTBE Tested: MTBE Detected. Site tested for MTBE & MTBE detected
Priority: Not reported
Local Case # : Not reported
Beneficial: Not reported
Staff : HDN
GW Qualifier : Not reported
Max MTBE Soil : Not reported
Soil Qualifier : Not reported
Hydr Basin #: SAN FERNANDO VALLEY
Operator : Not reported
Oversight Prgm: LUST
Review Date : 2002-07-12 00:00:00
Stop Date : Not reported
Work Suspended : Not reported
Responsible Party: MR. Y. M. TUAN
RP Address: 570 W. CENTRAL AVE., SUITE A
Global Id: T0603701993
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: 1
Mtbe Fuel: 1
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary : 3/3/00 1ST QTR GW MON RPT 2000; 3/6/00 LAND OWNER NOTIFICATION;
6/8/00 2ND QTR GW MON RPT 2000; 10/13/00 3RD QTR GW MON RPT 2000;
1/17/01 4TH QTR GW MON RPT 2000

LUST Region 4:

Report Date: 12/28/1987
Lead Agency: Regional Board
Local Agency: 19060
Substance: Gasoline
Case Type: Groundwater
Status: Pollution Characterization
Region: 4
Staff: HDN
Date Case Last Changed on Database: 7/12/2002
Date Leak Record Entered: 6/16/1988
Historical Max MTBE Date: 2/6/1997
GW Qualifier: Not reported
Soil Qualifier: ND
Hist Max MTBE Conc in Groundwater: 3700
Hist Max MTBE Conc in Soil : 0
County: Los Angeles
Organization : Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

CHEVRON #9-3842 (CORP. SITE) (3 D/W JOOR) (Continued)

U003699913

Regional Board: 04
 Owner Contact: Not reported
 Responsible Party: MR. Y. M. TUAN
 RP Address: 570 W. CENTRAL AVE., SUITE A
 Significant Interim Remedial Action Taken: Not reported
 Program : LUST
 Lat / Long : 33.8036918 / -1
 Local Agency Staff: Not reported
 Beneficial Use : Not reported
 Priority : Not reported
 Cleanup Fund Id : Not reported
 Suspended : Not reported
 Local Case No : Not reported
 Substance Quantity : Not reported
 Abatement Method Used at the Site: Not reported
 Operator : Not reported
 Water System : Not reported
 Well Name : Not reported
 Approx. Dist To Production Well (ft) : 2003.6759120709280619409896089
 Assigned Name : Not reported
 W Global ID : Not reported
 Source of Cleanup Funding: Not reported
 Date the Leak was Discovered: 5/15/1985
 How the Leak was Discovered: Not reported
 How the Leak was Stopped: Not reported
 Cause of Leak: Not reported
 Leak Source: Not reported
 Date The Leak was Stopped: Not reported
 Date Confirmation Leak Began: Not reported
 Preliminary Site Assessment Workplan Submitted: 12/28/1987
 Preliminary Site Assessment Began: 12/28/1987
 Pollution Characterization Began: 4/16/2004
 Remediation Plan Submitted: 1/15/2002
 Remedial Action Underway: 1/16/2004
 Post Remedial Action Monitoring Began: 12/28/1987
 Date the Case was Closed: Not reported
 Enforcement Action Date: 3/6/2001
 Date Leak First Reported: 12/28/1987
 Enforcement Type: SI
 Global ID : T0603701993
 Cross Street: WILLOW
 Summary : 3/3/00 1ST QTR GW MON RPT 2000; 3/6/00 LAND OWNER NOTIFICATION; 6/8/00
 2ND QTR GW MON RPT 2000; 10/13/00 3RD QTR GW MON RPT 2000; 1/17/01 4TH
 QTR GW MON RPT 2000

CORTESE:

Region: CORTESE
 Fac Address 2: 2610 LAKEWOOD BLVD

State UST:

Facility ID: 19-060-627
 Region: STATE
 Local Agency: Long Beach, Los Angeles County

UST Long Beach:

Total Tanks: 3T Region: LONG BEACH
 Tank Test: Dual Walled Leak Test: Not reported

SWEEPS:

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

CHEVRON #9-3842 (CORP. SITE) (3 D/W JOOR) (Continued)

U003699913

Status : A
Comp Number : 62519
Number : 2
Board Of Equalization : 44-032934
Ref Date : 04-30-93
Act Date : 04-19-94
Created Date : 02-29-88
Tank Status : A
Owner Tank Id : 1
Swrcb Tank Id : 19-060-062519-000001
Actv Date : 03-29-93
Capacity : 10000
Tank Use : M.V. FUEL
Stg : P
Content : MID GRADE UN
Number Of Tanks : 4

Status : A
Comp Number : 62519
Number : 2
Board Of Equalization : 44-032934
Ref Date : 04-30-93
Act Date : 04-19-94
Created Date : 02-29-88
Tank Status : A
Owner Tank Id : 2
Swrcb Tank Id : 19-060-062519-000002
Actv Date : 03-29-93
Capacity : 10000
Tank Use : M.V. FUEL
Stg : P
Content : REG UNLEADED
Number Of Tanks : Not reported

Status : A
Comp Number : 62519
Number : 2
Board Of Equalization : 44-032934
Ref Date : 04-30-93
Act Date : 04-19-94
Created Date : 02-29-88
Tank Status : A
Owner Tank Id : 1
Swrcb Tank Id : 19-060-062519-000003
Actv Date : 03-29-93
Capacity : 10000
Tank Use : M.V. FUEL
Stg : P
Content : PRM UNLEADED
Number Of Tanks : Not reported

Status : A
Comp Number : 62519
Number : 2
Board Of Equalization : 44-032934
Ref Date : 04-30-93
Act Date : 04-19-94

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

CHEVRON #9-3842 (CORP. SITE) (3 D/W JOOR) (Continued)

EDR ID Number
EPA ID Number

Database(s)

U003699913

Created Date : 02-29-88
Tank Status : A
Owner Tank Id : 4
Swrcb Tank Id : 19-060-062519-000004
Actv Date : 07-01-85
Capacity : 1000
Tank Use : UNKNOWN
Stg : W
Content : Not reported
Number Of Tanks : Not reported

C8
South
1/8-1/4
694 ft.

WILLIAMS C A
4317 ALHAMBRA AVE
LOS ANGELES, CA

EDR Historical Auto Stations 1009079909
N/A

Site 1 of 10 in cluster C

Relative:
Lower

EDR Auto Stations:
Name: WILLIAMS C A
Year: 1924
Type: AUTOMOBILE SERVICE STATIONS

Actual:
29 ft.

D9
SSE
1/8-1/4
716 ft.

AINSWORTH C B
4789 ALHAMBRA RD
LOS ANGELES, CA

EDR Historical Auto Stations 1009080253
N/A

Site 1 of 2 in cluster D

Relative:
Lower

EDR Auto Stations:
Name: AINSWORTH C B
Year: 1929
Type: GASOLINE AND OIL SERVICE STATION

Actual:
28 ft.

D10
SSE
1/8-1/4
716 ft.

EASTMAN THURSTON
4789 ALHAMBRA AVE
LOS ANGELES, CA

EDR Historical Auto Stations 1009078482
N/A

Site 2 of 2 in cluster D

Relative:
Lower

EDR Auto Stations:
Name: EASTMAN THURSTON
Year: 1933
Type: GASOLINE AND OIL SERVICE STATIONS

Actual:
28 ft.

C11
South
1/8-1/4
783 ft.

SPIRES RESTAURANT
2590 LAKEWOOD BLVD
LONG BEACH, CA

UST U003660799
N/A

Site 2 of 10 in cluster C

Relative:
Lower

UST Long Beach:
Total Tanks: 0F
Tank Test: Not reported
Region: LONG BEACH
Leak Test: Not reported

Actual:
30 ft.

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

C12
South
1/8-1/4
792 ft.

JIM'S SHELL
2589 LAKEWOOD
LONG BEACH, CA 90815

UST **U003970802**
 N/A

Site 3 of 10 in cluster C

Relative:
Lower

State UST:
 Facility ID: 19-060-626
 Region: STATE
 Local Agency: Long Beach, Los Angeles County

Actual:
31 ft.

C13
South
1/8-1/4
792 ft.

SHELL OIL STATION
2589 LAKEWOOD BLVD
LONG BEACH, CA 90815

LUST **S102437183**
Cortese **N/A**

Site 4 of 10 in cluster C

Relative:
Lower

State LUST:
 Cross Street: WILLOW
 Qty Leaked: Not reported
 Case Number 908150207
 Reg Board: Los Angeles Region
 Chemical: Gasoline
 Lead Agency: Regional Board
 Local Agency : 19060
 Case Type: Soil only

Actual:
31 ft.

Status: Case Closed

Review Date:	Not reported	Confirm Leak:	Not reported
Workplan:	Not reported	Prelim Assess:	Not reported
Pollution Char:	Not reported	Remed Plan:	Not reported
Remed Action:	Not reported		
Monitoring:	Not reported		
Close Date:	1996-10-25 00:00:00		
Release Date:	1995-01-19 00:00:00		
Cleanup Fund Id :	Not reported		
Discover Date :	Not reported		
Enforcement Dt :	Not reported		
Enf Type:	Not reported		
Enter Date :	1995-03-25 00:00:00		
Funding:	Not reported		
Staff Initials:	Not reported		
How Discovered:	Not reported		
How Stopped:	Not reported		
Interim :	Not reported		
Leak Cause:	Not reported		
Leak Source:	Not reported		
MTBE Date :	Not reported		
Max MTBE GW :	Not reported		
MTBE Tested:	Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.		
Priority:	Not reported		
Local Case # :	Not reported		
Beneficial:	Not reported		
Staff :	UNK		
GW Qualifier :	Not reported		
Max MTBE Soil :	Not reported		
Soil Qualifier :	Not reported		
Hydr Basin #:	SAN FERNANDO VALLEY		
Operator :	OLD CASE #950608-02		
Oversight Prgm:	LUST		
Review Date :	1997-02-26 00:00:00		
Stop Date :	Not reported		

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

SHELL OIL STATION (Continued)

S102437183

Work Suspended :Not reported
 Responsible PartySHELL OIL PRODUCTS CO
 RP Address: P.O. BOX 25370, SANTA ANA, CA 92799
 Global Id: T0603701996
 Org Name: Not reported
 Contact Person: Not reported
 MTBE Conc: 0
 Mtbe Fuel: 1
 Water System Name: Not reported
 Well Name: Not reported
 Distance To Lust: 0
 Waste Discharge Global ID: Not reported
 Waste Disch Assigned Name: Not reported
 Summary : 02/26/97 - WELL ABANDONMENT REPORT

LUST Region 4:

Report Date: 1/19/1995
 Lead Agency: Regional Board
 Local Agency: 19060
 Substance: Gasoline
 Case Type: Soil
 Status: Case Closed
 Region: 4
 Staff: UNK
 Date Case Last Changed on Database: 2/26/1997
 Date Leak Record Entered: 3/25/1995
 Historical Max MTBE Date: Not reported
 GW Qualifier: Not reported
 Soil Qualifier: Not reported
 Hist Max MTBE Conc in Groundwater: Not reported
 Hist Max MTBE Conc in Soil : Not reported
 County: Los Angeles
 Organization : Not reported
 Regional Board: 04
 Owner Contact: Not reported
 Responsible Party: SHELL OIL PRODUCTS CO
 RP Address: P.O. BOX 25370, SANTA ANA, CA 92799
 Significant Interim Remedial Action Taken: Not reported
 Program : LUST
 Lat / Long : 33.8032098 / -1
 Local Agency Staff: Not reported
 Beneficial Use : Not reported
 Priority : Not reported
 Cleanup Fund Id : Not reported
 Suspended : Not reported
 Local Case No : Not reported
 Substance Quantity : Not reported
 Abatement Method Used at the Site: Not reported
 Operator : OLD CASE #950608-02
 Water System : Not reported
 Well Name : Not reported
 Approx. Dist To Production Well (ft) : 1961.3872248516923264587578285
 Assigned Name : Not reported
 W Global ID : Not reported
 Source of Cleanup Funding: Not reported
 Date the Leak was Discovered: Not reported
 How the Leak was Discovered: Not reported
 How the Leak was Stopped: Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

SHELL OIL STATION (Continued)

EDR ID Number
 EPA ID Number

Database(s)

S102437183

Cause of Leak: Not reported
 Leak Source: Not reported
 Date The Leak was Stopped: Not reported
 Date Confirmation Leak Began: Not reported
 Preliminary Site Assessment Workplan Submitted: Not reported
 Preliminary Site Assessment Began: Not reported
 Pollution Characterization Began: Not reported
 Remediation Plan Submitted: Not reported
 Remedial Action Underway: Not reported
 Post Remedial Action Monitoring Began: Not reported
 Date the Case was Closed: 10/25/1996
 Enforcement Action Date: Not reported
 Date Leak First Reported: 1/19/1995
 Enforcement Type: Not reported
 Global ID : T0603701996
 Cross Street: WILLOW
 Summary : 02/26/97 - WELL ABANDONMENT REPORT

CORTESE:

Region: CORTESE
 Fac Address 2: 2589 LAKEWOOD BLVD

C14
 South
 1/8-1/4
 792 ft.

SHELL S/S #204-4482-0904
2589 LAKEWOOD
LONG BEACH, CA 90815

RCRA-SQG 1000288435
CAD981405665

Site 5 of 10 in cluster C

Relative:
Lower

RCRAInfo:
 Owner: NOT REQUIRED
 (415) 555-1212
 EPA ID: CAD981405665
 Contact: Not reported
 Classification: Small Quantity Generator
 TSDF Activities: Not reported
 Violation Status: No violations found

Actual:
31 ft.

C15
 South
 1/8-1/4
 792 ft.

KIMS SHELL SVC
2589 LAKEWOOD BLVD
LONG BEACH, CA 90815

RCRA-SQG 1000375865
HAZNET CAD981676455

Site 6 of 10 in cluster C

Relative:
Lower

RCRAInfo:
 Owner: CHANG KIM
 (415) 555-1212
 EPA ID: CAD981676455
 Contact: ENVIRONMENTAL MANAGER
 (213) 597-4489
 Classification: Small Quantity Generator
 TSDF Activities: Not reported

Actual:
31 ft.

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

KIMS SHELL SVC (Continued)

EDR ID Number
 EPA ID Number

1000375865

Violation Status: No violations found

HAZNET:

Gepaid: CAD981676455
 TSD EPA ID: CAD000088252
 Gen County: Los Angeles
 Tsd County: Los Angeles
 Tons: .4378
 Facility Address 2: Not reported
 Waste Category: Other organic solids
 Disposal Method: Transfer Station
 Contact: JIM KIM/DEALER
 Telephone: (000) 000-0000
 Mailing Name: Not reported
 Mailing Address: 2589 N LAKEWOOD BLVD
 LONG BEACH, CA 90815 - 1714
 County: Los Angeles

C16
South
1/8-1/4
792 ft.

BIXBY LAND CO.
2589 N LAKEWOOD BLVD
LONG BEACH, CA 90815

HIST UST **U001566351**
N/A

Site 7 of 10 in cluster C

Relative:
Lower

UST HIST:

Actual:
31 ft.

Facility ID: 61098
 Total Tanks: 4
 Owner Address: P.O. BOX 4848
 ANAHEIM, CA 92803
 Tank Used for: PRODUCT
 Tank Num: 1
 Tank Capacity: 00008000
 Type of Fuel: PREMIUM
 Leak Detection: Stock Inventor
 Contact Name: CHANG HYON KIM
 Facility Type: Gas Station

Owner Name: SHELL OIL COMPANY
 Region: STATE

Container Num: 1
 Year Installed: Not reported
 Tank Construction: 1/4 inches

Telephone: (213) 597-5666
 Other Type: Not reported

Facility ID: 61098
 Total Tanks: 4
 Owner Address: P.O. BOX 4848
 ANAHEIM, CA 92803
 Tank Used for: PRODUCT
 Tank Num: 2
 Tank Capacity: 00008000
 Type of Fuel: UNLEADED
 Leak Detection: Stock Inventor
 Contact Name: CHANG HYON KIM
 Facility Type: Gas Station

Owner Name: SHELL OIL COMPANY
 Region: STATE

Container Num: 2
 Year Installed: Not reported
 Tank Construction: 1/4 inches

Telephone: (213) 597-5666
 Other Type: Not reported

Facility ID: 61098
 Total Tanks: 4
 Owner Address: P.O. BOX 4848
 ANAHEIM, CA 92803
 Tank Used for: PRODUCT
 Tank Num: 3
 Tank Capacity: 00008000
 Type of Fuel: REGULAR
 Leak Detection: Stock Inventor

Owner Name: SHELL OIL COMPANY
 Region: STATE

Container Num: 3
 Year Installed: Not reported
 Tank Construction: 1/4 inches

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

BIXBY LAND CO. (Continued)

EDR ID Number
 EPA ID Number

U001566351

Contact Name:	CHANG HYON KIM	Telephone:	(213) 597-5666
Facility Type:	Gas Station	Other Type:	Not reported
Facility ID:	61098	Owner Name:	SHELL OIL COMPANY
Total Tanks:	4	Region:	STATE
Owner Address:	P.O. BOX 4848 ANAHEIM, CA 92803		
Tank Used for:	WASTE		
Tank Num:	4	Container Num:	4
Tank Capacity:	00000550	Year Installed:	Not reported
Type of Fuel:	WASTE OIL	Tank Construction:	12 gauge
Leak Detection:	Stock Inventor		
Contact Name:	CHANG HYON KIM	Telephone:	(213) 597-5666
Facility Type:	Gas Station	Other Type:	Not reported

C17
 South
 1/8-1/4
 792 ft.

SHELL SERVICE STATION
2589 LAKEWOOD BLVD.
LONG BEACH, CA 90819

LUST S106116215
N/A

Site 8 of 10 in cluster C

Relative:
Lower

State LUST:
 Cross Street: Not reported
 Qty Leaked: Not reported
 Case Number: 908150207A
 Reg Board: Los Angeles Region
 Chemical: Hydrocarbons
 Lead Agency: Regional Board
 Local Agency: 19060
 Case Type: Other ground water affected
Status: Pollution Characterization
 Review Date: 2002-11-04 00:00:00
 Workplan: 2003-10-17 00:00:00
 Pollution Char: 2003-10-17 00:00:00
 Remed Action: 2004-10-07 00:00:00
 Monitoring: Not reported
 Close Date: Not reported
 Release Date: 2002-11-04 00:00:00
 Cleanup Fund Id: Not reported
 Discover Date: 2002-11-04 00:00:00
 Enforcement Dt: Not reported
 Enf Type: DLSEL
 Enter Date: Not reported
 Funding: Not reported
 Staff Initials: Not reported
 How Discovered: OM
 How Stopped: Not reported
 Interim: Not reported
 Leak Cause: UNK
 Leak Source: UNK
 MTBE Date: Not reported
 Max MTBE GW: Not reported
 MTBE Tested: MTBE Detected. Site tested for MTBE & MTBE detected
 Priority: Not reported
 Local Case #: Not reported
 Beneficial: Not reported
 Staff: HDN
 GW Qualifier: Not reported
 Max MTBE Soil: Not reported

Confirm Leak: 2002-11-04 00:00:00
 Prelim Assess: 2003-10-17 00:00:00
 Remed Plan: 2003-10-17 00:00:00

Actual:
31 ft.

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

SHELL SERVICE STATION (Continued)

S106116215

Soil Qualifier : Not reported
Hydr Basin #: Not reported
Operator : Not reported
Oversight Prgm: LUST
Review Date : Not reported
Stop Date : Not reported
Work Suspended :Not reported
Responsible Party:RANDY ORLOWSKI
RP Address: 911 S. PRIMROSE AVE., SUITE K
Global Id: T0603710429
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: 0
Mtbe Fuel: 0
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary : Not reported

LUST Region 4:

Report Date: 11/4/2002
Lead Agency: Regional Board
Local Agency: 19060
Substance: Hydrocarbons
Case Type: Groundwater
Status: Pollution Characterization
Region: 4
Staff: HDN
Date Case Last Changed on Database: Not reported
Date Leak Record Entered: Not reported
Historical Max MTBE Date: 3/7/2003
GW Qualifier: =
Soil Qualifier: =
Hist Max MTBE Conc in Groundwater: 21000
Hist Max MTBE Conc in Soil : 4600
County: Los Angeles
Organization : Not reported
Regional Board: 04
Owner Contact: Not reported
Responsible Party: MR. BRAD BOSCHETTO
RP Address: 911 S. PRIMROSE AVE., SUITE K
Significant Interim Remedial Action Taken: Not reported
Program : LUST
Lat / Long : 0 / 0
Local Agency Staff: Not reported
Beneficial Use : Not reported
Priority : Not reported
Cleanup Fund Id : Not reported
Suspended : Not reported
Local Case No : Not reported
Substance Quantity : Not reported
Abatement Method Used at the Site: Not reported
Operator : Not reported
Water System : Not reported
Well Name : Not reported
Approx. Dist To Production Well (ft) : Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

SHELL SERVICE STATION (Continued)

EDR ID Number
 EPA ID Number

Database(s)

S106116215

Assigned Name : Not reported
 W Global ID : Not reported
 Source of Cleanup Funding: Not reported
 Date the Leak was Discovered: 11/4/2002
 How the Leak was Discovered: OM
 How the Leak was Stopped: Not reported
 Cause of Leak: UNK
 Leak Source: UNK
 Date The Leak was Stopped: Not reported
 Date Confirmation Leak Began: 11/4/2002
 Preliminary Site Assessment Workplan Submitted: 1/7/2003
 Preliminary Site Assessment Began: 10/17/2002
 Pollution Characterization Began: 2/27/2004
 Remediation Plan Submitted: Not reported
 Remedial Action Underway: Not reported
 Post Remedial Action Monitoring Began: Not reported
 Date the Case was Closed: Not reported
 Enforcement Action Date: Not reported
 Date Leak First Reported: 11/4/2002
 Enforcement Type: SI
 Global ID : T0603710429
 Cross Street: Not reported
 Summary :

C18
South
1/8-1/4
792 ft.

BIXBY LAND CO.
2589 LAKEWOOD
LONG BEACH, CA 90815

CA FID UST S106118240
SWEEPS UST N/A

Site 9 of 10 in cluster C

Relative:
Lower

Actual:
31 ft.

FID:

Facility ID:	19020619	Regulate ID:	00061098
Reg By:	Active Underground Storage Tank Location	SIC Code:	Not reported
Cortese Code:	Not reported	Facility Tel:	(213) 597-5666
Status:	Active		
Mail To:	Not reported		
	2589 LAKEWOOD		
	LONG BEACH, CA 90815		
Contact:	Not reported	Contact Tel:	Not reported
DUNs No:	Not reported	NPDES No:	Not reported
Creation:	10/22/93	Modified:	00/00/00
EPA ID:	Not reported		
Comments:	Not reported		

SWEEPS:

Status : A
 Comp Number : 61098
 Number : 9
 Board Of Equalization : 44-013638
 Ref Date : 07-01-85
 Act Date : Not reported
 Created Date : 02-29-88
 Tank Status : A
 Owner Tank Id : 1
 Swrcb Tank Id : 19-060-061098-000001
 Actv Date : 07-01-85
 Capacity : 8000
 Tank Use : M.V. FUEL
 Stg : P

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

BIXBY LAND CO. (Continued)

EDR ID Number
EPA ID Number

Database(s)

S101618240

Content : REG UNLEADED
Number Of Tanks : 4

Status : A
Comp Number : 61098
Number : 9
Board Of Equalization : 44-013638
Ref Date : 07-01-85
Act Date : Not reported
Created Date : 02-29-88
Tank Status : A
Owner Tank Id : 2
Swrcb Tank Id : 19-060-061098-000002
Actv Date : 11-05-92
Capacity : 8000
Tank Use : M.V. FUEL
Stg : P
Content : REG UNLEADED
Number Of Tanks : Not reported

Status : A
Comp Number : 61098
Number : 9
Board Of Equalization : 44-013638
Ref Date : 07-01-85
Act Date : Not reported
Created Date : 02-29-88
Tank Status : A
Owner Tank Id : 3
Swrcb Tank Id : 19-060-061098-000003
Actv Date : 11-05-92
Capacity : 8000
Tank Use : M.V. FUEL
Stg : P
Content : PRM UNLEADED
Number Of Tanks : Not reported

Status : A
Comp Number : 61098
Number : 9
Board Of Equalization : 44-013638
Ref Date : 07-01-85
Act Date : Not reported
Created Date : 02-29-88
Tank Status : A
Owner Tank Id : 4
Swrcb Tank Id : 19-060-061098-000004
Actv Date : 11-05-92
Capacity : 8000
Tank Use : M.V. FUEL
Stg : P
Content : REG UNLEADED
Number Of Tanks : Not reported

MAP FINDINGS

Map ID Direction Distance Distance (ft.) Elevation	Site	Database(s)	EDR ID Number EPA ID Number
C19 South 1/8-1/4 792 ft.	MICHAEL SHELL SERVICE(2 15M D/W O-C GAS) 2589 LAKEWOOD BLVD LONG BEACH, CA Site 10 of 10 in cluster C UST Long Beach: Total Tanks: 2T Tank Test: Dual Walled	UST	U003920392 N/A
Actual: 31 ft.	Region: LONG BEACH Leak Test: Not reported		
20 South 1/8-1/4 1091 ft.	SCHER TIRE NO 1 D B A GOODYEAR 2528 LAKEWOOD BLVD LONG BEACH, CA 90815	RCRA-SQG	1004676673 CAR000088104
Relative: Equal	RCRAInfo: Owner: BRUCE I SCHER (909) 343-3100 EPA ID: CAR000088104 Contact: KAREN SHANLEY (909) 343-3100 Classification: Small Quantity Generator TSD Activities: Not reported Violation Status: No violations found		
Actual: 33 ft.			
21 WNW 1/8-1/4 1098 ft.	KILROY AIRPORT CENTER 3800 KILROY AIRPORT WAY LONG BEACH, CA	UST	U003699907 N/A
Relative: Equal	UST Long Beach: Total Tanks: 1T Tank Test: Dual Walled	Region: LONG BEACH Leak Test: Not reported	
Actual: 33 ft.			
22 WSW 1/4-1/2 1678 ft.	LONG BEACH SCHROCDER HALL, USAR 3800 EAST WILLOW STREET LONG BEACH, CA 90808	ENVIROSTOR	S103393785 N/A
Relative: Higher	CA ENVIROSTOR: Site Type: Military Evaluation Site Type Detailed: Open Base Acres: Not reported APN: NONE SPECIFIED NPL: NO Regulatory Agencies: DTSC Lead Agency: NONE SPECIFIED Program Manager: Not reported Supervisor: Not reported Division Branch: OMF - So (Cypress) Envirostor ID: 19970017 Site Code: 400684 Assembly: 54 Senate: 27		
Actual: 43 ft.			

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

LONG BEACH SCHROCDER HALL, USAR (Continued)

EDR ID Number
EPA ID Number

Database(s)

S103393785

Special Program: Not reported
Status: * **De-listed**
Status Date: 1998-07-16 00:00:00
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Meda Affected: NONE SPECIFIED
Restricted Use: NO
Site Mgmt. Req.: NONE SPECIFIED
Funding: DERA
Latitude: 33.8038888888889
Longitude: -118.148333333333

CA ENVIROSTOR ALIAS:

Alias Type: Calsites ID Number
Alias Project Name: 19970017

Alias Type: Alternate Name
Alias Project Name: USARC, LONG BEACH

Alias Type: Project Code (Site Code)
Alias Project Name: 400684

CA ENVIROSTOR COMPLETE:

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

Area Name: PROJECT WIDE
Sub Area Name: Not reported
Document Type: * Delisting Document
Completed Date: / /
Comments: DLIST - SITE 1: The LBARC submitted a Resource Conservation and Recovery Act (RCRA) soil investigation (SI) report in November 2001 on the "field with no growth" area. Four soil borings were performed using a hand auger between one and two feet below gr

CA ENVIROSTOR FUTURE:

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

CA ENVIROSTOR SCHEDULE:

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

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

23
North
1/2-1
4950 ft.

GULFSTREAM AEROSPACE CORPORATION
4150 DONALD DOUGLAS DRIVE
LONG BEACH, CA 90808

FINDS
HAZNET
RCRA-LQG
UST
RAATS
EMI
ENVIROSTOR

1000230699
CAD981413933

Relative:
Higher

Actual:
34 ft.

FINDS:

Other Pertinent Environmental Activity Identified at Site:

California - Hazardous Waste Tracking System - Datamart

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.

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

HAZNET:

Gepaid: CAL000016507
 TSD EPA ID: CAT000613976
 Gen County: Los Angeles
 Tsd County: Orange
 Tons: .0810
 Facility Address 2: Not reported
 Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
 Disposal Method: Transfer Station
 Contact: GULFSTREAM
 Telephone: (000) 000-0000
 Mailing Name: Not reported
 Mailing Address: 4150 DONALD DOUGLAS DR
 LONG BEACH, CA 90808

County: Los Angeles

Gepaid: CAL000016507
 TSD EPA ID: CAT000613976
 Gen County: Los Angeles
 Tsd County: Orange
 Tons: .0135
 Facility Address 2: Not reported
 Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
 Disposal Method: Not reported
 Contact: GULFSTREAM
 Telephone: (000) 000-0000
 Mailing Name: Not reported
 Mailing Address: 4150 DONALD DOUGLAS DR
 LONG BEACH, CA 90808

County: Los Angeles

Gepaid: CAD981413933
 TSD EPA ID: Not reported
 Gen County: Los Angeles
 Tsd County: Los Angeles
 Tons: 0.16
 Facility Address 2: Not reported
 Waste Category: Alkaline solution (pH <UN-> 12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc)

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

GULFSTREAM AEROSPACE CORPORATION (Continued)

1000230699

Disposal Method: Not reported
 Contact: ROGER BOWMAN ENVIRONMENTAL OFFICE
 Telephone: (562) 627-5034
 Mailing Name: Not reported
 Mailing Address: 4150 E DONALD DOUGLAS DR
 LONG BEACH, CA 90808 - 1725
 County: Not reported
 Gepaid: CAD981413933
 TSD EPA ID: Not reported
 Gen County: Los Angeles
 Tsd County: Los Angeles
 Tons: 0.16
 Facility Address 2: Not reported
 Waste Category: Alkaline solution (pH <UN-> 12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc)

Disposal Method: Transfer Station
 Contact: ROGER BOWMAN ENVIRONMENTAL OFFICE
 Telephone: (562) 627-5034
 Mailing Name: Not reported
 Mailing Address: 4150 E DONALD DOUGLAS DR
 LONG BEACH, CA 90808 - 1725
 County: Not reported
 Gepaid: CAD981413933
 TSD EPA ID: Not reported
 Gen County: Los Angeles
 Tsd County: Los Angeles
 Tons: 0.42
 Facility Address 2: Not reported
 Waste Category: Aqueous solution (2 < pH < 12.5) containing reactive anions (azide, bromate, chlorate, cyanide, fluoride, hypochlorite, nitrite, perchlorate, and sulfide anions)

Disposal Method: Transfer Station
 Contact: ROGER BOWMAN ENVIRONMENTAL OFFICE
 Telephone: (562) 627-5034
 Mailing Name: Not reported
 Mailing Address: 4150 E DONALD DOUGLAS DR
 LONG BEACH, CA 90808 - 1725
 County: Not reported

[Click this hyperlink](#) while viewing on your computer to access 196 additional CA HAZNET record(s) in the EDR Site Report.

RCRAInfo:
 Owner: NOT REQUIRED
 (415) 555-1212
 EPA ID: CAD981413933
 Contact: Not reported
 Classification: Large Quantity Generator
 TSD Activities: Not reported

BIENNIAL REPORTS:
 Last Biennial Reporting Year: 2003

<u>Waste</u>	<u>Quantity (Lbs)</u>	<u>Waste</u>	<u>Quantity (Lbs)</u>
D001	76819.00	D002	4619.00

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

GULFSTREAM AEROSPACE CORPORATION (Continued)

EDR ID Number
 EPA ID Number

Database(s)

1000230699

D006	400.00	D007	22677.00
D008	14971.00	D009	258.00
D035	43489.00	F001	1085.00
F002	13886.00	F003	39885.00
F005	43489.00		

Violation Status: Violations exist

Regulation Violated: 262.30-34.C
 Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
 Date Violation Determined: 02/07/2002
 Actual Date Achieved Compliance: 05/08/2002

Regulation Violated: 262.40-43.D
 Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
 Date Violation Determined: 02/07/2002
 Actual Date Achieved Compliance: 05/06/2002

Regulation Violated: 268.7
 Area of Violation: GENERATOR-LAND BAN REQUIREMENTS
 Date Violation Determined: 02/14/1990
 Actual Date Achieved Compliance: 02/07/2002

Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER
 Enforcement Action Date: 09/30/1991
 Penalty Type: Final Monetary Penalty

Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER
 Enforcement Action Date: 04/29/1992
 Penalty Type: Final Monetary Penalty

Regulation Violated: 262.50-60
 Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
 Date Violation Determined: 02/14/1990
 Actual Date Achieved Compliance: 02/07/2002

Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER
 Enforcement Action Date: 09/30/1991
 Penalty Type: Final Monetary Penalty

Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER
 Enforcement Action Date: 04/29/1992
 Penalty Type: Final Monetary Penalty

Penalty Summary:

Penalty Description	Penalty Date	Penalty Amount	Lead Agency
-----	-----	-----	-----
Final Monetary Penalty	4/29/1992	80000	EPA
Final Monetary Penalty	9/30/1991	80000	EPA

There are 4 violation record(s) reported at this site:

<u>Evaluation</u>	<u>Area of Violation</u>	<u>Date of Compliance</u>
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	20020508
	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	20020506
Other Evaluation	GENERATOR-LAND BAN REQUIREMENTS	20020207
	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	20020207

State UST:

Facility ID: 19-060-1071
 Region: STATE
 Local Agency: Long Beach, Los Angeles County

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

GULFSTREAM AEROSPACE CORPORATION (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000230699

Status Date: 1995-04-25 00:00:00
Past Use: NONE SPECIFIED
Potential COC: 10098, 10179, 10198
Confirmed COC: NONE SPECIFIED
Potential Meda Affected: NONE SPECIFIED
Restricted Use: NO
Site Mgmt. Req.: NONE SPECIFIED
Funding: Not reported
Latitude: 0
Longitude: 0

CA ENVIROSTOR ALIAS:

Alias Type: Calsites ID Number
Alias Project Name: 19370005

Alias Type: EPA Identification Number
Alias Project Name: CAD980636534

Alias Type: Alternate Name
Alias Project Name: AIRESEARCH AVIATION CO

Alias Type: Alternate Name
Alias Project Name: PAC AERO ENGINEERING

Alias Type: Alternate Name
Alias Project Name: PACIFIC AIRMOTIVE CORP.

CA ENVIROSTOR COMPLETE:

Area Name: PROJECT WIDE
Sub Area Name: Not reported
Document Type: Site Screening
Completed Date: / /
Comments: 3/2/95 FILE REVIEW AT R4. DTSC COMPLETED A PA IN MARCH 1984 and recommended NFA. USEPA hired Ecology and Environment to reassess the PA in July 1988. The reassessment recommended NFA too. City of Long Beach owns the property. Excavation of 2 USTs was

Area Name: PROJECT WIDE
Sub Area Name: Not reported
Document Type: Discovery
Completed Date: / /
Comments: FACILITY IDENTIFIED ID FROM ERRIS

Area Name: PROJECT WIDE
Sub Area Name: Not reported
Document Type: Discovery
Completed Date: / /
Comments: FACILITY IDENTIFIED EPA NOTIS REPORT #3

CA ENVIROSTOR FUTURE:

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

CA ENVIROSTOR SCHEDULE:

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GULFSTREAM AEROSPACE CORPORATION (Continued)

1000230699

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

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
LONG BEACH	1009123051	COMMERCIAL MOTORS CO	1118 E ANAHEIM ST		EDR Historical Auto Stations
LONG BEACH	8873706	COMMERCIAL CARRIER INC. * 87	COMMERCIAL CARRIER INC. * 87		ERNS
LONG BEACH	S105628514	DOOLEY'S HARDWARE MART PROPERTY	HOME STREET/DEL AMO BOULEVARD	90806	SCH, ENVIROSTOR
LONG BEACH	1003878482	AIRFLITE INC	LAKWOOD BLVD LONG BCH ARPT	90808	CERC-NFRAP
LONG BEACH	S107863473	COVERSTREET STOCKPILE	NW OF COVER STREET @ END OF INDUSTRY		SWF/LF
LONG BEACH	S103437887	CHEVRON-ALAMITOS BAY PARTNERSH	PACIFIC COAST HWY	90815	HAZNET, LUST
LONG BEACH	S106484016	DEPT OF TRANSPORTATION DISTRICT 7 PROJECT DEV B	2100 PACIFIC COAST HWY		SLIC
LONG BEACH	S106485985	SIGNAL HILL PETROLEUM - WEST UNIT	WILLOW ST		SLIC
LONG BEACH SIGNAL	1004676598	CALTRANS	PACIFIC COAST HWY	90815	RCRA-SQG, FINDS
LOS ANGELES COUNTY	S105642458		2 / 3 MI DUE SOUTH NEWPORT BEACH PIER		HAZNET, LUST, CHMIRS
SIGNAL HILL	1009311274	ENVIROPUR PROPERTY	29TH STREET	90755	US BROWNFIELDS
SIGNAL HILL	S106485449	TOWN CENTER WEST - COMMERCIAL SITE	W. CHERRY AVE	90806	SLIC
SIGNAL HILL	S106386925	TOWN CENTER WEST - COMMERCIAL SITE	CHERRY	90806	SLIC
SIGNAL HILL	S106485560	REINGART PROPERTY	GARDENA AVE	90806	SLIC
SIGNAL HILL	S103878683	REINGART PROPERTY	GARDENA	90806	SLIC
SIGNAL HILL	S106485916	SIGNAL HILL LANDMARK PROPERTY	2828 JUNIPERO ST.	90806	SLIC
SIGNAL HILL	S106485608	TIPPIN PROPERTY	WILLOW AVE	90806	SLIC
SIGNAL HILL	S103878696	TIPPIN PROPERTY	WILLOW	90806	SLIC
SIGNAL HILL	S106924656	CITY OF SIGNAL HILL REDEV	2401 WILLOW ST	90806	SWEEPS UST
SIGNAL HILL	S106925382	DICO OIL CO	1845 WILLOW ST	90806	SWEEPS UST
SIGNAL HILL	S106925659	EASTMAN, INC	3350 WILLOW ST	90806	SWEEPS UST

EPA Waste Codes Addendum

Code	Description
D001	IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-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.
D002	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.
D006	CADMIUM
D007	CHROMIUM
D008	LEAD
D009	MERCURY
D035	METHYL ETHYL KETONE
F001	THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
F002	THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
F003	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

EPA Waste Codes Addendum

Code	Description
	SOLVENT MIXTURES.
F005	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.

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.

FEDERAL RECORDS

NPL: National Priority List

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

Date of Government Version: 07/05/2006	Source: EPA
Date Data Arrived at EDR: 08/02/2006	Telephone: N/A
Date Made Active in Reports: 09/12/2006	Last EDR Contact: 08/02/2006
Number of Days to Update: 41	Next Scheduled EDR Contact: 10/30/2006
	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

Date of Government Version: 07/05/2006	Source: EPA
Date Data Arrived at EDR: 08/02/2006	Telephone: N/A
Date Made Active in Reports: 09/12/2006	Last EDR Contact: 08/02/2006
Number of Days to Update: 41	Next Scheduled EDR Contact: 10/30/2006
	Data Release Frequency: Quarterly

DELISTED NPL: National Priority List Deletions

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

Date of Government Version: 07/05/2006	Source: EPA
Date Data Arrived at EDR: 08/02/2006	Telephone: N/A
Date Made Active in Reports: 09/12/2006	Last EDR Contact: 08/02/2006
Number of Days to Update: 41	Next Scheduled EDR Contact: 10/30/2006
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NPL RECOVERY: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 08/21/2006
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: No Update Planned

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

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

Date of Government Version: 06/19/2006	Source: EPA
Date Data Arrived at EDR: 06/22/2006	Telephone: 703-413-0223
Date Made Active in Reports: 08/23/2006	Last EDR Contact: 06/22/2006
Number of Days to Update: 62	Next Scheduled EDR Contact: 09/18/2006
	Data Release Frequency: Quarterly

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

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

Date of Government Version: 07/17/2006	Source: EPA
Date Data Arrived at EDR: 08/02/2006	Telephone: 703-413-0223
Date Made Active in Reports: 09/12/2006	Last EDR Contact: 06/23/2006
Number of Days to Update: 41	Next Scheduled EDR Contact: 09/18/2006
	Data Release Frequency: Quarterly

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/15/2006	Source: EPA
Date Data Arrived at EDR: 03/17/2006	Telephone: 800-424-9346
Date Made Active in Reports: 04/13/2006	Last EDR Contact: 09/05/2006
Number of Days to Update: 27	Next Scheduled EDR Contact: 12/04/2006
	Data Release Frequency: Quarterly

RCRA: Resource Conservation and Recovery Act Information

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS). 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. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site 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: 06/13/2006	Source: EPA
Date Data Arrived at EDR: 06/28/2006	Telephone: 800-424-9346
Date Made Active in Reports: 08/23/2006	Last EDR Contact: 08/22/2006
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: Quarterly

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: 12/31/2005	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 01/12/2006	Telephone: 202-260-2342
Date Made Active in Reports: 02/21/2006	Last EDR Contact: 07/25/2006
Number of Days to Update: 40	Next Scheduled EDR Contact: 10/23/2006
	Data Release Frequency: Annually

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 07/03/2006	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 07/19/2006	Telephone: 202-366-4555
Date Made Active in Reports: 08/23/2006	Last EDR Contact: 07/19/2006
Number of Days to Update: 35	Next Scheduled EDR Contact: 10/16/2006
	Data Release Frequency: Annually

US ENG CONTROLS: Engineering Controls Sites List

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

Date of Government Version: 03/21/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/27/2006	Telephone: 703-603-8905
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 09/07/2006
Number of Days to Update: 56	Next Scheduled EDR Contact: 10/02/2006
	Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 03/21/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/27/2006	Telephone: 703-603-8905
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 09/07/2006
Number of Days to Update: 56	Next Scheduled EDR Contact: 10/02/2006
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 12/31/2004	Source: USGS
Date Data Arrived at EDR: 02/08/2005	Telephone: 703-692-8801
Date Made Active in Reports: 08/04/2005	Last EDR Contact: 08/11/2006
Number of Days to Update: 177	Next Scheduled EDR Contact: 11/06/2006
	Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/05/2005	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 01/19/2006	Telephone: 202-528-4285
Date Made Active in Reports: 02/21/2006	Last EDR Contact: 07/17/2006
Number of Days to Update: 33	Next Scheduled EDR Contact: 10/02/2006
	Data Release Frequency: Varies

US BROWNFIELDS: A Listing of Brownfields Sites

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients--States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 07/10/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/13/2006	Telephone: 202-566-2777
Date Made Active in Reports: 09/06/2006	Last EDR Contact: 09/11/2006
Number of Days to Update: 55	Next Scheduled EDR Contact: 12/11/2006
	Data Release Frequency: Semi-Annually

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: 12/14/2004	Source: Department of Justice, Consent Decree Library
Date Data Arrived at EDR: 02/15/2005	Telephone: Varies
Date Made Active in Reports: 04/25/2005	Last EDR Contact: 07/24/2006
Number of Days to Update: 69	Next Scheduled EDR Contact: 10/23/2006
	Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 07/10/2006	Source: EPA
Date Data Arrived at EDR: 07/21/2006	Telephone: 703-416-0223
Date Made Active in Reports: 09/06/2006	Last EDR Contact: 07/06/2006
Number of Days to Update: 47	Next Scheduled EDR Contact: 10/02/2006
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 11/04/2005	Source: Department of Energy
Date Data Arrived at EDR: 11/28/2005	Telephone: 505-845-0011
Date Made Active in Reports: 01/30/2006	Last EDR Contact: 09/05/2006
Number of Days to Update: 63	Next Scheduled EDR Contact: 12/18/2006
	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/09/2004	Telephone: 800-424-9346
Date Made Active in Reports: 09/17/2004	Last EDR Contact: 06/09/2004
Number of Days to Update: 39	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 07/20/2006	Source: EPA
Date Data Arrived at EDR: 07/21/2006	Telephone: 202-564-6064
Date Made Active in Reports: 08/22/2006	Last EDR Contact: 07/06/2006
Number of Days to Update: 32	Next Scheduled EDR Contact: 10/02/2006
	Data Release Frequency: Quarterly

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: 12/31/2004	Source: EPA
Date Data Arrived at EDR: 06/22/2006	Telephone: 202-566-0250
Date Made Active in Reports: 08/23/2006	Last EDR Contact: 06/22/2006
Number of Days to Update: 62	Next Scheduled EDR Contact: 09/18/2006
	Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2002	Source: EPA
Date Data Arrived at EDR: 04/14/2006	Telephone: 202-260-5521
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 07/17/2006
Number of Days to Update: 46	Next Scheduled EDR Contact: 10/16/2006
	Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/14/2006	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 07/18/2006	Telephone: 202-566-1667
Date Made Active in Reports: 09/06/2006	Last EDR Contact: 06/19/2006
Number of Days to Update: 50	Next Scheduled EDR Contact: 09/18/2006
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Date of Government Version: 07/14/2006	Source: EPA
Date Data Arrived at EDR: 07/18/2006	Telephone: 202-566-1667
Date Made Active in Reports: 09/06/2006	Last EDR Contact: 06/19/2006
Number of Days to Update: 50	Next Scheduled EDR Contact: 09/18/2006
	Data Release Frequency: Quarterly

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: 12/31/2004	Source: EPA
Date Data Arrived at EDR: 05/11/2006	Telephone: 202-564-4203
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 07/17/2006
Number of Days to Update: 11	Next Scheduled EDR Contact: 10/16/2006
	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: 02/13/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/21/2006	Telephone: 202-564-5088
Date Made Active in Reports: 05/11/2006	Last EDR Contact: 07/17/2006
Number of Days to Update: 20	Next Scheduled EDR Contact: 10/16/2006
	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: 07/07/2006	Source: EPA
Date Data Arrived at EDR: 08/09/2006	Telephone: 202-566-0500
Date Made Active in Reports: 09/06/2006	Last EDR Contact: 08/09/2006
Number of Days to Update: 28	Next Scheduled EDR Contact: 11/06/2006
	Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/10/2006	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 07/20/2006	Telephone: 301-415-7169
Date Made Active in Reports: 09/06/2006	Last EDR Contact: 07/03/2006
Number of Days to Update: 48	Next Scheduled EDR Contact: 10/02/2006
	Data Release Frequency: Quarterly

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: 05/16/2006	Source: Department of Labor, Mine Safety and Health Administration
Date Data Arrived at EDR: 06/28/2006	Telephone: 303-231-5959
Date Made Active in Reports: 08/23/2006	Last EDR Contact: 06/28/2006
Number of Days to Update: 56	Next Scheduled EDR Contact: 09/25/2006
	Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 07/21/2006	Source: EPA
Date Data Arrived at EDR: 07/25/2006	Telephone: N/A
Date Made Active in Reports: 09/06/2006	Last EDR Contact: 04/03/2006
Number of Days to Update: 43	Next Scheduled EDR Contact: 07/03/2006
	Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 09/05/2006
Number of Days to Update: 35	Next Scheduled EDR Contact: 12/04/2006
	Data Release Frequency: No Update Planned

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: 12/31/2003	Source: EPA/NTIS
Date Data Arrived at EDR: 06/17/2005	Telephone: 800-424-9346
Date Made Active in Reports: 08/04/2005	Last EDR Contact: 07/21/2006
Number of Days to Update: 48	Next Scheduled EDR Contact: 09/11/2006
	Data Release Frequency: Biennially

STATE AND LOCAL RECORDS

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005	Source: Department of Toxic Substance Control
Date Data Arrived at EDR: 08/03/2006	Telephone: 916-323-3400
Date Made Active in Reports: 08/24/2006	Last EDR Contact: 08/28/2006
Number of Days to Update: 21	Next Scheduled EDR Contact: 11/27/2006
	Data Release Frequency: No Update Planned

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989	Source: Department of Health Services
Date Data Arrived at EDR: 07/27/1994	Telephone: 916-255-2118
Date Made Active in Reports: 08/02/1994	Last EDR Contact: 05/31/1994
Number of Days to Update: 6	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 06/06/2006	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 06/07/2006	Telephone: 916-323-3400
Date Made Active in Reports: 07/06/2006	Last EDR Contact: 08/30/2006
Number of Days to Update: 29	Next Scheduled EDR Contact: 11/27/2006
	Data Release Frequency: Quarterly

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995	Source: State Water Resources Control Board
Date Data Arrived at EDR: 08/30/1995	Telephone: 916-227-4364
Date Made Active in Reports: 09/26/1995	Last EDR Contact: 07/31/2006
Number of Days to Update: 27	Next Scheduled EDR Contact: 10/30/2006
	Data Release Frequency: No Update Planned

SWF/LF (SWIS): Solid Waste Information System

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

Date of Government Version: 06/12/2006	Source: Integrated Waste Management Board
Date Data Arrived at EDR: 06/14/2006	Telephone: 916-341-6320
Date Made Active in Reports: 07/27/2006	Last EDR Contact: 06/14/2006
Number of Days to Update: 43	Next Scheduled EDR Contact: 09/11/2006
	Data Release Frequency: Quarterly

CA WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/21/2006	Source: State Water Resources Control Board
Date Data Arrived at EDR: 06/22/2006	Telephone: 916-341-5227
Date Made Active in Reports: 07/27/2006	Last EDR Contact: 06/22/2006
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/18/2006
	Data Release Frequency: Quarterly

WMUDS/SWAT: Waste Management Unit Database

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000	Source: State Water Resources Control Board
Date Data Arrived at EDR: 04/10/2000	Telephone: 916-227-4448
Date Made Active in Reports: 05/10/2000	Last EDR Contact: 09/05/2006
Number of Days to Update: 30	Next Scheduled EDR Contact: 12/04/2006
	Data Release Frequency: Quarterly

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites). This listing is no longer updated by the state agency.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 05/29/2001
Date Made Active in Reports: 07/26/2001
Number of Days to Update: 58

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-9100
Last EDR Contact: 07/24/2006
Next Scheduled EDR Contact: 10/23/2006
Data Release Frequency: No Update Planned

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 07/10/2006
Date Data Arrived at EDR: 07/12/2006
Date Made Active in Reports: 07/27/2006
Number of Days to Update: 15

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 07/12/2006
Next Scheduled EDR Contact: 10/09/2006
Data Release Frequency: Quarterly

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.

Date of Government Version: 07/11/2006
Date Data Arrived at EDR: 07/12/2006
Date Made Active in Reports: 07/27/2006
Number of Days to Update: 15

Source: State Water Resources Control Board
Telephone: 916-341-5752
Last EDR Contact: 07/12/2006
Next Scheduled EDR Contact: 10/09/2006
Data Release Frequency: Quarterly

LUST REG 5: Leaking Underground Storage Tank Database

Date of Government Version: 07/01/2006
Date Data Arrived at EDR: 07/26/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 29

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 07/26/2006
Next Scheduled EDR Contact: 10/02/2006
Data Release Frequency: Quarterly

LUST REG 6V: Leaking Underground Storage Tank Case Listing

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: 760-346-7491
Last EDR Contact: 07/03/2006
Next Scheduled EDR Contact: 10/02/2006
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: 951-782-4130
Last EDR Contact: 08/07/2006
Next Scheduled EDR Contact: 11/06/2006
Data Release Frequency: Varies

LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 07/17/2006
Next Scheduled EDR Contact: 10/16/2006
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST REG 7: Leaking Underground Storage Tank Case Listing

Date of Government Version: 02/26/2004	Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Date Data Arrived at EDR: 02/26/2004	Telephone: 760-346-7491
Date Made Active in Reports: 03/24/2004	Last EDR Contact: 08/21/2006
Number of Days to Update: 27	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing

For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003	Source: California Regional Water Quality Control Board Lahontan Region (6)
Date Data Arrived at EDR: 09/10/2003	Telephone: 916-542-5424
Date Made Active in Reports: 10/07/2003	Last EDR Contact: 09/05/2006
Number of Days to Update: 27	Next Scheduled EDR Contact: 12/04/2006
	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	Source: California Regional Water Quality Control Board Los Angeles Region (4)
Date Data Arrived at EDR: 09/07/2004	Telephone: 213-576-6600
Date Made Active in Reports: 10/12/2004	Last EDR Contact: 06/26/2006
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/25/2006
	Data Release Frequency: No Update Planned

LUST REG 1: Active Toxic Site Investigation

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

Date of Government Version: 02/01/2001	Source: California Regional Water Quality Control Board North Coast (1)
Date Data Arrived at EDR: 02/28/2001	Telephone: 707-576-2220
Date Made Active in Reports: 03/29/2001	Last EDR Contact: 08/21/2006
Number of Days to Update: 29	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List

Date of Government Version: 09/30/2004	Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Date Data Arrived at EDR: 10/20/2004	Telephone: 510-286-0457
Date Made Active in Reports: 11/19/2004	Last EDR Contact: 07/10/2006
Number of Days to Update: 30	Next Scheduled EDR Contact: 10/09/2006
	Data Release Frequency: Quarterly

LUST REG 3: Leaking Underground Storage Tank Database

Date of Government Version: 05/19/2003	Source: California Regional Water Quality Control Board Central Coast Region (3)
Date Data Arrived at EDR: 05/19/2003	Telephone: 805-549-3147
Date Made Active in Reports: 06/02/2003	Last EDR Contact: 08/15/2006
Number of Days to Update: 14	Next Scheduled EDR Contact: 11/13/2006
	Data Release Frequency: No Update Planned

CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 09/05/1995	Telephone: 916-341-5851
Date Made Active in Reports: 09/29/1995	Last EDR Contact: 12/28/1998
Number of Days to Update: 24	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SLIC: Statewide SLIC Cases

The Spills, Leaks, Investigations, and Cleanups (SLIC) listings includes unauthorized discharges from spills and leaks, other than from underground storage tanks or other regulated sites.

Date of Government Version: 07/11/2006	Source: State Water Resources Control Board
Date Data Arrived at EDR: 07/12/2006	Telephone: 916-341-5752
Date Made Active in Reports: 07/27/2006	Last EDR Contact: 07/12/2006
Number of Days to Update: 15	Next Scheduled EDR Contact: 10/09/2006
	Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations

Date of Government Version: 04/03/2003	Source: California Regional Water Quality Control Board, North Coast Region (1)
Date Data Arrived at EDR: 04/07/2003	Telephone: 707-576-2220
Date Made Active in Reports: 04/25/2003	Last EDR Contact: 08/21/2006
Number of Days to Update: 18	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

Any contaminated site that impacts groundwater or has the potential to impact groundwater.

Date of Government Version: 09/30/2004	Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Date Data Arrived at EDR: 10/20/2004	Telephone: 510-286-0457
Date Made Active in Reports: 11/19/2004	Last EDR Contact: 07/10/2006
Number of Days to Update: 30	Next Scheduled EDR Contact: 10/09/2006
	Data Release Frequency: Quarterly

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

Any contaminated site that impacts groundwater or has the potential to impact groundwater.

Date of Government Version: 05/18/2006	Source: California Regional Water Quality Control Board Central Coast Region (3)
Date Data Arrived at EDR: 05/18/2006	Telephone: 805-549-3147
Date Made Active in Reports: 06/15/2006	Last EDR Contact: 08/15/2006
Number of Days to Update: 28	Next Scheduled EDR Contact: 11/13/2006
	Data Release Frequency: Semi-Annually

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

Any contaminated site that impacts groundwater or has the potential to impact groundwater.

Date of Government Version: 11/17/2004	Source: Region Water Quality Control Board Los Angeles Region (4)
Date Data Arrived at EDR: 11/18/2004	Telephone: 213-576-6600
Date Made Active in Reports: 01/04/2005	Last EDR Contact: 07/24/2006
Number of Days to Update: 47	Next Scheduled EDR Contact: 10/23/2006
	Data Release Frequency: Varies

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

Unregulated sites that impact groundwater or have the potential to impact groundwater.

Date of Government Version: 04/01/2005	Source: Regional Water Quality Control Board Central Valley Region (5)
Date Data Arrived at EDR: 04/05/2005	Telephone: 916-464-3291
Date Made Active in Reports: 04/21/2005	Last EDR Contact: 07/06/2006
Number of Days to Update: 16	Next Scheduled EDR Contact: 10/02/2006
	Data Release Frequency: Semi-Annually

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

Date of Government Version: 05/24/2005	Source: Regional Water Quality Control Board, Victorville Branch
Date Data Arrived at EDR: 05/25/2005	Telephone: 619-241-6583
Date Made Active in Reports: 06/16/2005	Last EDR Contact: 07/03/2006
Number of Days to Update: 22	Next Scheduled EDR Contact: 10/02/2006
	Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SLIC REG 6L: SLIC Sites

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: 09/05/2006
Next Scheduled EDR Contact: 12/04/2006
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List

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: 08/21/2006
Next Scheduled EDR Contact: 11/20/2006
Data Release Frequency: No Update Planned

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

Date of Government Version: 04/06/2006
Date Data Arrived at EDR: 04/06/2006
Date Made Active in Reports: 05/11/2006
Number of Days to Update: 35

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 07/03/2006
Next Scheduled EDR Contact: 10/02/2006
Data Release Frequency: Semi-Annually

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

Date of Government Version: 05/31/2006
Date Data Arrived at EDR: 06/01/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 14

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/28/2006
Next Scheduled EDR Contact: 11/27/2006
Data Release Frequency: Annually

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 07/11/2006
Date Data Arrived at EDR: 07/12/2006
Date Made Active in Reports: 07/26/2006
Number of Days to Update: 14

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 07/12/2006
Next Scheduled EDR Contact: 10/09/2006
Data Release Frequency: Semi-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

AST: Aboveground Petroleum Storage Tank Facilities

Registered Aboveground Storage Tanks.

Date of Government Version: 01/30/2006
Date Data Arrived at EDR: 01/30/2006
Date Made Active in Reports: 02/17/2006
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5712
Last EDR Contact: 09/05/2006
Next Scheduled EDR Contact: 10/31/2006
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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 1980's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994	Source: State Water Resources Control Board
Date Data Arrived at EDR: 07/07/2005	Telephone: N/A
Date Made Active in Reports: 08/11/2005	Last EDR Contact: 06/03/2005
Number of Days to Update: 35	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

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: 12/31/2004	Source: Office of Emergency Services
Date Data Arrived at EDR: 11/30/2005	Telephone: 916-845-8400
Date Made Active in Reports: 01/19/2006	Last EDR Contact: 08/21/2006
Number of Days to Update: 50	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: Varies

NOTIFY 65: Proposition 65 Records

Proposition 65 Notification Records. NOTIFY 65 contains facility notifications about any release which could impact drinking water and thereby expose the public to a potential health risk.

Date of Government Version: 10/21/1993	Source: State Water Resources Control Board
Date Data Arrived at EDR: 11/01/1993	Telephone: 916-445-3846
Date Made Active in Reports: 11/19/1993	Last EDR Contact: 07/17/2006
Number of Days to Update: 18	Next Scheduled EDR Contact: 10/16/2006
	Data Release Frequency: No Update Planned

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 07/05/2006	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 07/06/2006	Telephone: 916-323-3400
Date Made Active in Reports: 07/27/2006	Last EDR Contact: 07/06/2006
Number of Days to Update: 21	Next Scheduled EDR Contact: 10/02/2006
	Data Release Frequency: Semi-Annually

VCP: Voluntary Cleanup Program Properties

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

Date of Government Version: 06/06/2006	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 06/07/2006	Telephone: 916-323-3400
Date Made Active in Reports: 07/06/2006	Last EDR Contact: 08/30/2006
Number of Days to Update: 29	Next Scheduled EDR Contact: 11/27/2006
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 04/18/2005	Source: Department of Toxic Substance Control
Date Data Arrived at EDR: 04/18/2005	Telephone: 916-327-4498
Date Made Active in Reports: 05/06/2005	Last EDR Contact: 07/17/2006
Number of Days to Update: 18	Next Scheduled EDR Contact: 10/02/2006
	Data Release Frequency: Annually

WIP: Well Investigation Program Case List

Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/25/2006	Source: Los Angeles Water Quality Control Board
Date Data Arrived at EDR: 07/26/2006	Telephone: 213-576-6726
Date Made Active in Reports: 08/24/2006	Last EDR Contact: 07/24/2006
Number of Days to Update: 29	Next Scheduled EDR Contact: 10/23/2006
	Data Release Frequency: Varies

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 05/17/2006	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 05/17/2006	Telephone: 916-255-6504
Date Made Active in Reports: 06/15/2006	Last EDR Contact: 08/14/2006
Number of Days to Update: 29	Next Scheduled EDR Contact: 10/23/2006
	Data Release Frequency: Varies

RESPONSE: State Response Sites

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

Date of Government Version: 06/06/2006	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 06/07/2006	Telephone: 916-323-3400
Date Made Active in Reports: 07/06/2006	Last EDR Contact: 08/30/2006
Number of Days to Update: 29	Next Scheduled EDR Contact: 11/27/2006
	Data Release Frequency: Quarterly

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method.

Date of Government Version: 12/31/2003	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 10/11/2005	Telephone: 916-255-1136
Date Made Active in Reports: 10/31/2005	Last EDR Contact: 08/11/2006
Number of Days to Update: 20	Next Scheduled EDR Contact: 11/06/2006
	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: 12/31/2004	Source: California Air Resources Board
Date Data Arrived at EDR: 04/14/2006	Telephone: 916-322-2990
Date Made Active in Reports: 05/11/2006	Last EDR Contact: 07/21/2006
Number of Days to Update: 27	Next Scheduled EDR Contact: 10/16/2006
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ENVIROSTOR: EnviroStor Database

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

Date of Government Version: 05/10/2006
Date Data Arrived at EDR: 05/10/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 36

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/30/2006
Next Scheduled EDR Contact: 11/27/2006
Data Release Frequency: Quarterly

TRIBAL RECORDS

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2004
Date Data Arrived at EDR: 02/08/2005
Date Made Active in Reports: 08/04/2005
Number of Days to Update: 177

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 08/11/2006
Next Scheduled EDR Contact: 11/06/2006
Data Release Frequency: Semi-Annually

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 06/08/2006
Date Data Arrived at EDR: 06/09/2006
Date Made Active in Reports: 06/28/2006
Number of Days to Update: 19

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 08/21/2006
Next Scheduled EDR Contact: 11/20/2006
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 06/08/2006
Date Data Arrived at EDR: 06/09/2006
Date Made Active in Reports: 07/28/2006
Number of Days to Update: 49

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 08/21/2006
Next Scheduled EDR Contact: 11/20/2006
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: 06/01/2006
Date Data Arrived at EDR: 06/23/2006
Date Made Active in Reports: 08/02/2006
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 08/21/2006
Next Scheduled EDR Contact: 11/20/2006
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: 06/06/2006
Date Data Arrived at EDR: 06/09/2006
Date Made Active in Reports: 07/28/2006
Number of Days to Update: 49

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 08/21/2006
Next Scheduled EDR Contact: 11/20/2006
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 06/01/2006	Source: EPA Region 7
Date Data Arrived at EDR: 07/10/2006	Telephone: 913-551-7003
Date Made Active in Reports: 09/12/2006	Last EDR Contact: 08/21/2006
Number of Days to Update: 64	Next Scheduled EDR Contact: 11/20/2006
	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: 01/04/2005	Source: EPA Region 6
Date Data Arrived at EDR: 01/21/2005	Telephone: 214-665-6597
Date Made Active in Reports: 02/28/2005	Last EDR Contact: 08/21/2006
Number of Days to Update: 38	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

Date of Government Version: 06/01/2006	Source: EPA Region 7
Date Data Arrived at EDR: 07/10/2006	Telephone: 913-551-7003
Date Made Active in Reports: 09/12/2006	Last EDR Contact: 08/21/2006
Number of Days to Update: 64	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

Date of Government Version: 06/06/2006	Source: EPA Region 8
Date Data Arrived at EDR: 06/09/2006	Telephone: 303-312-6137
Date Made Active in Reports: 07/28/2006	Last EDR Contact: 08/21/2006
Number of Days to Update: 49	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: Quarterly

INDIAN UST R5: Underground Storage Tanks on Indian Land

Date of Government Version: 12/02/2004	Source: EPA Region 5
Date Data Arrived at EDR: 12/29/2004	Telephone: 312-886-6136
Date Made Active in Reports: 02/04/2005	Last EDR Contact: 08/21/2006
Number of Days to Update: 37	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

Date of Government Version: 06/08/2006	Source: EPA Region 10
Date Data Arrived at EDR: 06/09/2006	Telephone: 206-553-2857
Date Made Active in Reports: 07/28/2006	Last EDR Contact: 08/21/2006
Number of Days to Update: 49	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: Quarterly

INDIAN UST R1: Underground Storage Tanks on Indian Land

A listing of underground storage tank locations on Indian Land.

Date of Government Version: 06/08/2006	Source: EPA, Region 1
Date Data Arrived at EDR: 06/09/2006	Telephone: 617-918-1313
Date Made Active in Reports: 06/30/2006	Last EDR Contact: 08/21/2006
Number of Days to Update: 21	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/30/2006
Date Data Arrived at EDR: 07/03/2006
Date Made Active in Reports: 09/06/2006
Number of Days to Update: 65

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 08/21/2006
Next Scheduled EDR Contact: 11/20/2006
Data Release Frequency: Semi-Annually

INDIAN UST R9: Underground Storage Tanks on Indian Land

Date of Government Version: 06/01/2006
Date Data Arrived at EDR: 06/23/2006
Date Made Active in Reports: 08/02/2006
Number of Days to Update: 40

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 08/21/2006
Next Scheduled EDR Contact: 11/20/2006
Data Release Frequency: Quarterly

EDR PROPRIETARY RECORDS

Manufactured Gas Plants: 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 Historical Auto Stations: EDR Proprietary 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.

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 Historical Cleaners: EDR Proprietary 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.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 08/08/2006
Date Data Arrived at EDR: 08/10/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 14

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 07/24/2006
Next Scheduled EDR Contact: 10/23/2006
Data Release Frequency: Semi-Annually

Underground Tanks

Date of Government Version: 05/23/2006
Date Data Arrived at EDR: 05/24/2006
Date Made Active in Reports: 06/29/2006
Number of Days to Update: 36

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 07/24/2006
Next Scheduled EDR Contact: 10/23/2006
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

Site List

List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 06/09/2006
Date Data Arrived at EDR: 06/09/2006
Date Made Active in Reports: 07/27/2006
Number of Days to Update: 48

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 08/28/2006
Next Scheduled EDR Contact: 11/27/2006
Data Release Frequency: Semi-Annually

FRESNO COUNTY:

CUPA Resources List

Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 07/11/2006
Date Data Arrived at EDR: 07/12/2006
Date Made Active in Reports: 07/27/2006
Number of Days to Update: 15

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 07/10/2006
Next Scheduled EDR Contact: 11/06/2006
Data Release Frequency: Semi-Annually

KERN COUNTY:

Underground Storage Tank Sites & Tank Listing

Kern County Sites and Tanks Listing.

Date of Government Version: 06/23/2006
Date Data Arrived at EDR: 06/23/2006
Date Made Active in Reports: 07/26/2006
Number of Days to Update: 33

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 09/05/2006
Next Scheduled EDR Contact: 12/04/2006
Data Release Frequency: Quarterly

LOS ANGELES COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 12/31/1998
Date Data Arrived at EDR: 07/07/1999
Date Made Active in Reports: N/A
Number of Days to Update: 0

Source: EPA Region 9
Telephone: 415-972-3178
Last EDR Contact: 05/16/2006
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 05/31/2006
Date Data Arrived at EDR: 07/25/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 30

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 08/14/2006
Next Scheduled EDR Contact: 11/13/2006
Data Release Frequency: Semi-Annually

List of Solid Waste Facilities

Date of Government Version: 05/16/2006
Date Data Arrived at EDR: 05/30/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 16

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 08/16/2006
Next Scheduled EDR Contact: 11/13/2006
Data Release Frequency: Varies

City of Los Angeles Landfills

Date of Government Version: 03/01/2006
Date Data Arrived at EDR: 04/06/2006
Date Made Active in Reports: 05/11/2006
Number of Days to Update: 35

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 09/11/2006
Next Scheduled EDR Contact: 12/11/2006
Data Release Frequency: Varies

Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 01/05/2006
Date Data Arrived at EDR: 02/16/2006
Date Made Active in Reports: 03/13/2006
Number of Days to Update: 25

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 08/14/2006
Next Scheduled EDR Contact: 11/13/2006
Data Release Frequency: Annually

City of El Segundo Underground Storage Tank

Date of Government Version: 05/30/2006
Date Data Arrived at EDR: 05/31/2006
Date Made Active in Reports: 06/14/2006
Number of Days to Update: 14

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 09/11/2006
Next Scheduled EDR Contact: 11/13/2006
Data Release Frequency: Semi-Annually

City of Long Beach Underground Storage Tank

Date of Government Version: 03/28/2003
Date Data Arrived at EDR: 10/23/2003
Date Made Active in Reports: 11/26/2003
Number of Days to Update: 34

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 08/23/2006
Next Scheduled EDR Contact: 11/20/2006
Data Release Frequency: Annually

City of Torrance Underground Storage Tank

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/06/2006
Date Data Arrived at EDR: 05/31/2006
Date Made Active in Reports: 06/14/2006
Number of Days to Update: 14

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 08/14/2006
Next Scheduled EDR Contact: 11/13/2006
Data Release Frequency: Semi-Annually

MARIN COUNTY:

Underground Storage Tank Sites

Currently permitted USTs in Marin County.

Date of Government Version: 05/09/2006
Date Data Arrived at EDR: 06/06/2006
Date Made Active in Reports: 07/26/2006
Number of Days to Update: 50

Source: Public Works Department Waste Management
Telephone: 415-499-6647
Last EDR Contact: 07/31/2006
Next Scheduled EDR Contact: 10/30/2006
Data Release Frequency: Semi-Annually

NAPA COUNTY:

Sites With Reported Contamination

Date of Government Version: 06/28/2006
Date Data Arrived at EDR: 06/29/2006
Date Made Active in Reports: 07/27/2006
Number of Days to Update: 28

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 06/26/2006
Next Scheduled EDR Contact: 09/25/2006
Data Release Frequency: Semi-Annually

Closed and Operating Underground Storage Tank Sites

Date of Government Version: 06/28/2006
Date Data Arrived at EDR: 06/29/2006
Date Made Active in Reports: 07/26/2006
Number of Days to Update: 27

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 06/26/2006
Next Scheduled EDR Contact: 09/25/2006
Data Release Frequency: Annually

ORANGE COUNTY:

List of Industrial Site Cleanups

Petroleum and non-petroleum spills.

Date of Government Version: 06/01/2006
Date Data Arrived at EDR: 06/21/2006
Date Made Active in Reports: 07/27/2006
Number of Days to Update: 36

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 09/06/2006
Next Scheduled EDR Contact: 12/04/2006
Data Release Frequency: Annually

List of Underground Storage Tank Cleanups

Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 06/01/2006
Date Data Arrived at EDR: 06/19/2006
Date Made Active in Reports: 07/27/2006
Number of Days to Update: 38

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 09/06/2006
Next Scheduled EDR Contact: 12/04/2006
Data Release Frequency: Quarterly

List of Underground Storage Tank Facilities

Orange County Underground Storage Tank Facilities (UST).

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/01/2006
Date Data Arrived at EDR: 06/19/2006
Date Made Active in Reports: 07/26/2006
Number of Days to Update: 37

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 09/06/2006
Next Scheduled EDR Contact: 12/04/2006
Data Release Frequency: Quarterly

PLACER COUNTY:

Master List of Facilities

List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 04/03/2006
Date Data Arrived at EDR: 04/04/2006
Date Made Active in Reports: 04/13/2006
Number of Days to Update: 9

Source: Placer County Health and Human Services
Telephone: 530-889-7312
Last EDR Contact: 08/14/2006
Next Scheduled EDR Contact: 12/19/2006
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: 08/08/2006
Date Data Arrived at EDR: 08/08/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 16

Source: Department of Public Health
Telephone: 951-358-5055
Last EDR Contact: 07/17/2006
Next Scheduled EDR Contact: 10/16/2006
Data Release Frequency: Quarterly

Underground Storage Tank Tank List

Date of Government Version: 05/19/2006
Date Data Arrived at EDR: 05/19/2006
Date Made Active in Reports: 06/14/2006
Number of Days to Update: 26

Source: Health Services Agency
Telephone: 951-358-5055
Last EDR Contact: 07/17/2006
Next Scheduled EDR Contact: 10/16/2006
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

Contaminated Sites

Date of Government Version: 05/09/2006
Date Data Arrived at EDR: 05/30/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 16

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 08/02/2006
Next Scheduled EDR Contact: 10/30/2006
Data Release Frequency: Quarterly

ML - Regulatory Compliance Master List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 05/09/2006
Date Data Arrived at EDR: 05/30/2006
Date Made Active in Reports: 07/06/2006
Number of Days to Update: 37

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 08/02/2006
Next Scheduled EDR Contact: 10/30/2006
Data Release Frequency: Quarterly

SAN BERNARDINO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 06/23/2006
Date Data Arrived at EDR: 06/23/2006
Date Made Active in Reports: 07/27/2006
Number of Days to Update: 34

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 09/05/2006
Next Scheduled EDR Contact: 12/04/2006
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: 05/16/2005
Date Data Arrived at EDR: 05/18/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 29

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 07/07/2006
Next Scheduled EDR Contact: 10/02/2006
Data Release Frequency: Quarterly

Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 11/01/2005
Date Data Arrived at EDR: 12/29/2005
Date Made Active in Reports: 01/19/2006
Number of Days to Update: 21

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 08/21/2006
Next Scheduled EDR Contact: 11/20/2006
Data Release Frequency: Varies

SAN FRANCISCO COUNTY:

Local Oversight Facilities

Date of Government Version: 06/19/2006
Date Data Arrived at EDR: 06/21/2006
Date Made Active in Reports: 07/27/2006
Number of Days to Update: 36

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 09/05/2006
Next Scheduled EDR Contact: 12/04/2006
Data Release Frequency: Quarterly

Underground Storage Tank Information

Date of Government Version: 06/19/2006
Date Data Arrived at EDR: 06/21/2006
Date Made Active in Reports: 07/26/2006
Number of Days to Update: 35

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 09/05/2006
Next Scheduled EDR Contact: 12/04/2006
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

San Joaquin Co. UST

A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 02/28/2006	Source: Environmental Health Department
Date Data Arrived at EDR: 03/17/2006	Telephone: N/A
Date Made Active in Reports: 04/13/2006	Last EDR Contact: 07/17/2006
Number of Days to Update: 27	Next Scheduled EDR Contact: 10/16/2006
	Data Release Frequency: Semi-Annually

SAN MATEO COUNTY:

Business Inventory

List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 05/02/2006	Source: San Mateo County Environmental Health Services Division
Date Data Arrived at EDR: 05/02/2006	Telephone: 650-363-1921
Date Made Active in Reports: 05/26/2006	Last EDR Contact: 08/07/2006
Number of Days to Update: 24	Next Scheduled EDR Contact: 10/09/2006
	Data Release Frequency: Annually

Fuel Leak List

Date of Government Version: 07/26/2006	Source: San Mateo County Environmental Health Services Division
Date Data Arrived at EDR: 07/27/2006	Telephone: 650-363-1921
Date Made Active in Reports: 08/24/2006	Last EDR Contact: 07/27/2006
Number of Days to Update: 28	Next Scheduled EDR Contact: 10/09/2006
	Data Release Frequency: Semi-Annually

SANTA CLARA COUNTY:

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	Source: Santa Clara Valley Water District
Date Data Arrived at EDR: 03/30/2005	Telephone: 408-265-2600
Date Made Active in Reports: 04/21/2005	Last EDR Contact: 06/26/2006
Number of Days to Update: 22	Next Scheduled EDR Contact: 09/25/2006
	Data Release Frequency: No Update Planned

LOP Listing

A listing of open leaking underground storage tanks.

Date of Government Version: 07/10/2006	Source: Department of Environmental Health
Date Data Arrived at EDR: 07/18/2006	Telephone: 408-918-3417
Date Made Active in Reports: 08/24/2006	Last EDR Contact: 07/10/2006
Number of Days to Update: 37	Next Scheduled EDR Contact: 09/25/2006
	Data Release Frequency: Varies

Hazardous Material Facilities

Date of Government Version: 07/03/2006	Source: City of San Jose Fire Department
Date Data Arrived at EDR: 07/05/2006	Telephone: 408-277-4659
Date Made Active in Reports: 07/27/2006	Last EDR Contact: 09/05/2006
Number of Days to Update: 22	Next Scheduled EDR Contact: 12/04/2006
	Data Release Frequency: Annually

SOLANO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Leaking Underground Storage Tanks

Date of Government Version: 07/05/2006
Date Data Arrived at EDR: 07/25/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 30

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 06/26/2006
Next Scheduled EDR Contact: 09/25/2006
Data Release Frequency: Quarterly

Underground Storage Tanks

Date of Government Version: 07/03/2006
Date Data Arrived at EDR: 07/26/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 29

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 06/26/2006
Next Scheduled EDR Contact: 09/25/2006
Data Release Frequency: Quarterly

SONOMA COUNTY:

Leaking Underground Storage Tank Sites

Date of Government Version: 07/24/2006
Date Data Arrived at EDR: 07/25/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 30

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 07/24/2006
Next Scheduled EDR Contact: 10/23/2006
Data Release Frequency: Quarterly

SUTTER COUNTY:

Underground Storage Tanks

Date of Government Version: 12/31/0005
Date Data Arrived at EDR: 01/05/2006
Date Made Active in Reports: 01/31/2006
Number of Days to Update: 26

Source: Sutter County Department of Agriculture
Telephone: 530-822-7500
Last EDR Contact: 07/31/2006
Next Scheduled EDR Contact: 10/02/2006
Data Release Frequency: Semi-Annually

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: 05/30/2006
Date Data Arrived at EDR: 06/28/2006
Date Made Active in Reports: 07/27/2006
Number of Days to Update: 29

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 06/14/2006
Next Scheduled EDR Contact: 09/11/2006
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: 08/01/2005
Date Data Arrived at EDR: 09/20/2005
Date Made Active in Reports: 10/06/2005
Number of Days to Update: 16

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 08/25/2006
Next Scheduled EDR Contact: 11/20/2006
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Listing of Underground Tank Cleanup Sites

Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/30/2006	Source: Environmental Health Division
Date Data Arrived at EDR: 07/10/2006	Telephone: 805-654-2813
Date Made Active in Reports: 07/27/2006	Last EDR Contact: 06/30/2006
Number of Days to Update: 17	Next Scheduled EDR Contact: 09/11/2006
	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: 06/28/2006	Source: Environmental Health Division
Date Data Arrived at EDR: 07/27/2006	Telephone: 805-654-2813
Date Made Active in Reports: 08/24/2006	Last EDR Contact: 04/11/2006
Number of Days to Update: 28	Next Scheduled EDR Contact: 07/10/2006
	Data Release Frequency: Quarterly

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report

Date of Government Version: 07/19/2006	Source: Yolo County Department of Health
Date Data Arrived at EDR: 08/01/2006	Telephone: 530-666-8646
Date Made Active in Reports: 08/24/2006	Last EDR Contact: 07/17/2006
Number of Days to Update: 23	Next Scheduled EDR Contact: 10/16/2006
	Data Release Frequency: Annually

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: 12/31/2004	Source: Department of Environmental Protection
Date Data Arrived at EDR: 02/17/2006	Telephone: 860-424-3375
Date Made Active in Reports: 04/07/2006	Last EDR Contact: 09/11/2006
Number of Days to Update: 49	Next Scheduled EDR Contact: 12/11/2006
	Data Release Frequency: Annually

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 06/01/2006	Source: Department of Environmental Protection
Date Data Arrived at EDR: 07/06/2006	Telephone: N/A
Date Made Active in Reports: 08/01/2006	Last EDR Contact: 07/05/2006
Number of Days to Update: 26	Next Scheduled EDR Contact: 10/02/2006
	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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/02/2006
Date Data Arrived at EDR: 05/31/2006
Date Made Active in Reports: 06/27/2006
Number of Days to Update: 27

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 08/30/2006
Next Scheduled EDR Contact: 11/27/2006
Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 05/04/2006
Date Made Active in Reports: 06/06/2006
Number of Days to Update: 33

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 09/11/2006
Next Scheduled EDR Contact: 12/11/2006
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 09/30/2005
Date Data Arrived at EDR: 05/09/2006
Date Made Active in Reports: 05/24/2006
Number of Days to Update: 15

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 06/19/2006
Next Scheduled EDR Contact: 09/18/2006
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 03/17/2006
Date Made Active in Reports: 05/02/2006
Number of Days to Update: 46

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 07/25/2006
Next Scheduled EDR Contact: 10/09/2006
Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data

Source: PennWell Corporation
Telephone: (800) 823-6277

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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.
Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health
Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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 1999 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 and 2005 from the U.S. Fish and Wildlife Service.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

COMMERCIAL PROPERTY
4201 WILLOW STREET
LONG BEACH, CA 90815

TARGET PROPERTY COORDINATES

Latitude (North):	33.80530 - 33° 48' 19.1"
Longitude (West):	118.1426 - 118° 8' 33.4"
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	394238.2
UTM Y (Meters):	3740961.2
Elevation:	33 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	33118-G2 LONG BEACH, CA
Most Recent Revision:	1964

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 principle 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).

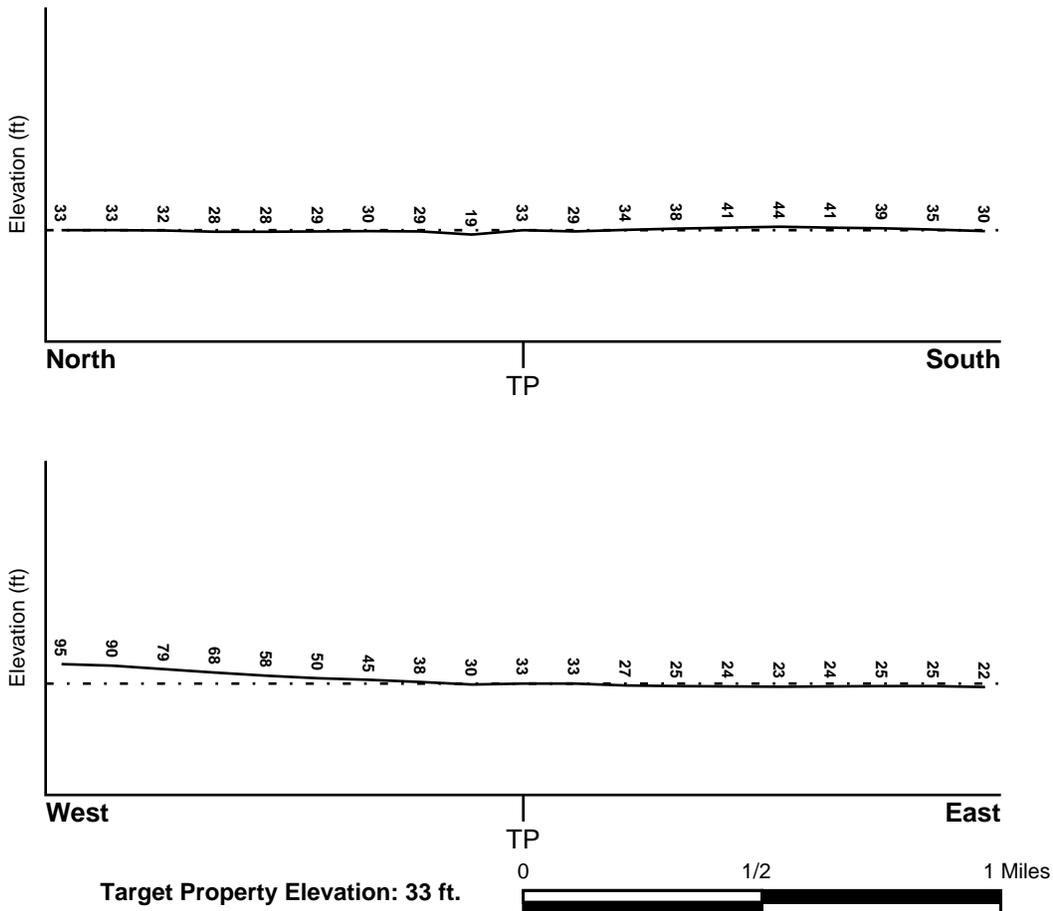
TOPOGRAPHIC INFORMATION

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 ENE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

<u>Target Property County</u>	<u>FEMA Flood</u>
LOS ANGELES, CA	<u>Electronic Data</u>
	YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 0601360015B

Additional Panels in search area: 0601360010B
0601610000A

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u>	<u>NWI Electronic</u>
NORTH LONG BEACH (OE)	<u>Data Coverage</u>
	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
1	0 - 1/8 Mile South	NW
24	1/2 - 1 Mile South	Varies
D25	1/2 - 1 Mile SW	Not Reported
30	1/2 - 1 Mile NNW	Not Reported

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: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

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							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
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
 clay loam
 sandy loam
 gravelly - sandy loam
 loamy sand
 fine sand
 coarse sand
 sand
 gravelly - sand

Surficial Soil Types: loam
 clay
 silt loam
 clay loam
 sandy loam
 gravelly - sandy loam
 loamy sand
 fine sand
 coarse sand
 sand
 gravelly - 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

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
2	USGS3156829	1/4 - 1/2 Mile NW
3	USGS3156838	1/4 - 1/2 Mile NNW
4	USGS3156828	1/4 - 1/2 Mile WNW
A5	USGS3156991	1/2 - 1 Mile SE
B6	USGS3156844	1/2 - 1 Mile NW
B7	USGS3156841	1/2 - 1 Mile NW
B8	USGS3156840	1/2 - 1 Mile NW
B9	USGS3156839	1/2 - 1 Mile NW
B10	USGS3156843	1/2 - 1 Mile NW
B11	USGS3156842	1/2 - 1 Mile NW
A12	USGS3156993	1/2 - 1 Mile SE
A13	USGS3156992	1/2 - 1 Mile SE
C14	USGS3156834	1/2 - 1 Mile NW
C15	USGS3156845	1/2 - 1 Mile NW
C18	USGS3156835	1/2 - 1 Mile WNW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
D16	5332	1/2 - 1 Mile SW
D17	5331	1/2 - 1 Mile SW
E19	5340	1/2 - 1 Mile SE
E20	5341	1/2 - 1 Mile SE
E21	5330	1/2 - 1 Mile SE
E22	5339	1/2 - 1 Mile SE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE OIL/GAS WELL INFORMATION

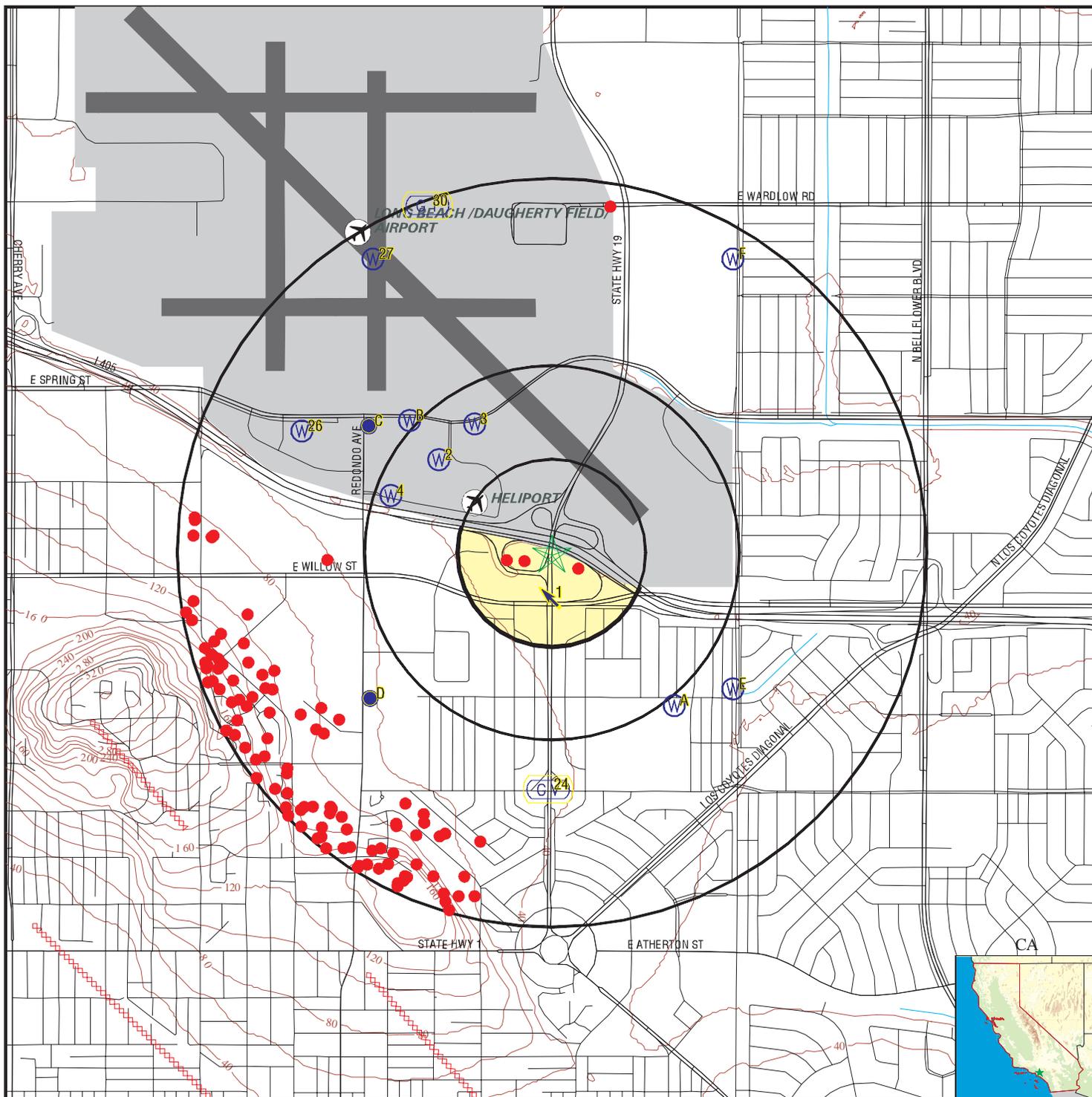
DISTANCE
FROM TP (Miles)

1/2 - 1 Mile SSW
1/2 - 1 Mile SSW

DISTANCE
FROM TP (Miles)

1/2 - 1 Mile SSW
1/2 - 1 Mile SSW

PHYSICAL SETTING SOURCE MAP - 1754405.2s



- 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
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells



SITE NAME: Commercial Property
 ADDRESS: 4201 Willow Street
 Long Beach CA 90815
 LAT/LONG: 33.8053 / 118.1426

CLIENT: Hygienetics Environmental Svcs
 CONTACT: Pamela Osuna
 INQUIRY #: 1754405.2s
 DATE: September 13, 2006 2:04 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

1	Site ID:	908150161		
South	Groundwater Flow:	NW	AQUIFLOW	70560
0 - 1/8 Mile	Shallow Water Depth:	25		
Lower	Deep Water Depth:	28		
	Average Water Depth:	Not Reported		
	Date:	05/07/1999		

2				
NW			FED USGS	USGS3156829
1/4 - 1/2 Mile				
Higher				

Agency cd:	USGS	Site no:	334832118084901
Site name:	004S012W21M004S		
Latitude:	334832		
Longitude:	1180849	Dec lat:	33.80890563
Dec lon:	-118.1478449	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	037
Country:	US	Land net:	Not Reported
Location map:	LONG BEACH	Map scale:	24000
Altitude:	33	Altitude method:	R
Altitude accuracy:	1	Altitude datum:	NGVD29
Hydrologic:	San Gabriel. California. Area = 713 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	792	Hole depth:	1422
Source of depth data:	Not Reported		
Real time data flag:	Not Reported		
Daily flow data begin date:	Not Reported		
Daily flow data end date:	Not Reported		
Peak flow data begin date:	Not Reported		
Peak flow data count:	Not Reported		
Water quality data begin date:	Not Reported		
Water quality data end date:	Not Reported		
Ground water data begin date:	Not Reported		
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

3				
NNW			FED USGS	USGS3156838
1/4 - 1/2 Mile				
Lower				

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	334837118084301
Site name:	004S012W21F001S		
Latitude:	334837		
Longitude:	1180843	Dec lat:	33.81029447
Dec lon:	-118.1461782	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	037
Country:	US	Land net:	Not Reported
Location map:	LONG BEACH	Map scale:	24000
Altitude:	Not Reported	Altitude method:	Not Reported
Altitude accuracy:	Not Reported	Altitude datum:	Not Reported
Hydrologic:	San Gabriel. California. Area = 713 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	860	Hole depth:	1155
Source of depth data:	Not Reported		
Real time data flag:	Not Reported		
Daily flow data end date:	Not Reported		
Peak flow data begin date:	Not Reported		
Peak flow data count:	Not Reported		
Water quality data end date:	Not Reported		
Ground water data begin date:	Not Reported		
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

4

**WNW
1/4 - 1/2 Mile
Higher**

FED USGS USGS3156828

Agency cd:	USGS	Site no:	334827118085701
Site name:	004S012W21M005S		
Latitude:	334827		
Longitude:	1180857	Dec lat:	33.80751678
Dec lon:	-118.15006719	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	037
Country:	US	Land net:	Not Reported
Location map:	LONG BEACH	Map scale:	24000
Altitude:	39	Altitude method:	R
Altitude accuracy:	1	Altitude datum:	NGVD29
Hydrologic:	San Gabriel. California. Area = 713 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	610	Hole depth:	695
Source of depth data:	Not Reported		
Real time data flag:	Not Reported		
Daily flow data end date:	Not Reported		
Peak flow data begin date:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Peak flow data count: Not Reported
 Water quality data end date: Not Reported
 Ground water data begin date: Not Reported
 Ground water data count: Not Reported

Water quality data begin date: Not Reported
 Water quality data count: Not Reported
 Ground water data end date: Not Reported

Ground-water levels, Number of Measurements: 0

**A5
SE
1/2 - 1 Mile
Lower**

FED USGS USGS3156991

Agency cd:	USGS	Site no:	334757118081201
Site name:	004S012W28H001S		
Latitude:	334757		
Longitude:	1180812	Dec lat:	33.79918348
Dec lon:	-118.13756656	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	037
Country:	US	Land net:	Not Reported
Location map:	LONG BEACH	Map scale:	24000
Altitude:	23	Altitude method:	M
Altitude accuracy:	2	Altitude datum:	NGVD29
Hydrologic:	San Gabriel, California. Area = 713 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	1184	Hole depth:	1184
Source of depth data:	Not Reported		
Real time data flag:	0	Project number:	9479335800
Daily flow data end date:	0000-00-00	Daily flow data begin date:	0000-00-00
Peak flow data begin date:	0000-00-00	Daily flow data count:	0
Peak flow data count:	0	Peak flow data end date:	0000-00-00
Water quality data end date:	1996-09-11	Water quality data begin date:	1996-09-11
Ground water data begin date:	1924-01-09	Water quality data count:	1
Ground water data count:	526	Ground water data end date:	1944-10-21

Ground-water levels, Number of Measurements: 526

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1944-10-21	70.5		1944-10-14	71.0	
1944-10-07	74.5		1944-10-02	72.3	
1944-09-23	71.9		1944-09-16	69.1	
1944-09-01	74.0		1944-07-31	63.5	
1944-07-15	66.7		1944-07-01	73.0	
1944-06-17	67.2		1944-05-31	65.0	
1944-05-20	64.7		1944-05-13	61.6	
1944-04-29	56.0		1944-04-15	57.7	
1944-04-08	54.6		1944-04-01	61.0	
1944-03-25	52.6		1944-03-18	50.2	
1944-03-11	51.0		1944-03-01	53.8	
1944-01-31	47.0		1944-01-15	57.9	
1944-01-08	61.4		1943-12-31	63.0	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1943-12-24	61.1		1943-12-18	61.8	
1943-12-01	65.0		1943-10-29	73.5	
1943-10-16	67.0		1943-10-01	75.0	
1943-09-25	68.3		1943-09-18	67.7	
1943-09-01	66		1943-08-04	68.0	
1943-07-24	66.0		1943-07-17	63.6	
1943-07-10	57.5		1943-06-30	63.0	
1943-06-01	62.0		1943-05-15	50.2	
1943-04-30	44.8		1943-04-24	52.9	
1943-04-17	40.9		1943-04-10	52.0	
1943-03-31	44.0		1943-03-01	52.0	
1943-02-20	53.7		1943-02-13	51.5	
1943-02-06	51.0		1943-01-29	55.8	
1942-12-31	58.0		1942-12-12	61.7	
1942-12-01	55.6		1942-11-21	54.7	
1942-11-02	59.0		1942-10-24	68.0	
1942-10-17	68.6		1942-10-10	68.0	
1942-09-30	70		1942-09-01	70.2	
1942-07-31	75		1942-07-01	60.8	
1942-06-13	57.2		1942-06-06	53.1	
1942-06-01	83		1942-05-23	45.5	
1942-05-16	43.8		1942-05-09	34.6	
1942-04-30	28.2		1942-04-25	27.2	
1942-04-18	24.6		1942-04-11	25.4	
1942-03-31	39.4		1942-03-21	27.6	
1942-03-14	28.0		1942-03-07	77.8	
1942-02-28	31.7		1942-02-21	39.5	
1942-02-14	34.7		1942-02-07	28.7	
1942-01-24	29.4		1942-01-17	29.3	
1942-01-10	31.4		1941-12-20	40.0	
1941-12-13	39		1941-11-15	77.0	
1941-11-08	38.2		1941-10-31	41.9	
1941-10-25	44.6		1941-10-18	104.0	
1941-10-11	63.2		1941-10-01	63.4	
1941-09-20	61.9		1941-09-13	62.0	
1941-09-02	62.2		1941-08-23	92.8	
1941-08-09	92.0		1941-08-01	57.6	
1941-07-26	49.8		1941-07-19	89.0	
1941-07-12	50.3		1941-07-07	85	
1941-07-01	46.6		1941-06-21	56.5	
1941-06-14	50.4		1941-06-07	49.7	
1941-06-02	47.6		1941-05-24	48.6	
1941-05-17	42		1941-05-10	39.3	
1941-04-30	74.9		1941-04-19	24.2	
1941-04-12	23.8		1941-03-31	26.5	
1941-03-22	27.2		1941-03-15	26.6	
1941-03-08	27.9		1941-02-28	29.2	
1941-02-21	30.1		1941-02-15	30.7	
1941-02-08	31.6		1941-01-31	32	
1941-01-25	33.2		1941-01-18	34.9	
1941-01-11	34.9		1941-01-02	37.3	
1940-12-21	39.7		1940-12-13	79.4	
1940-12-07	49.0		1940-12-02	45.1	
1940-11-23	43.4		1940-11-16	84.0	
1940-11-09	46.3		1940-11-01	47.6	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1940-10-26	61.5		1940-10-19	62.7	
1940-10-11	50.8		1940-10-01	58.4	
1940-09-21	54.5		1940-09-14	62.8	
1940-09-07	62.3		1940-08-30	60	
1940-08-24	91.8		1940-08-17	90.5	
1940-08-10	54		1940-08-01	59.6	
1940-07-20	89		1940-07-13	89.2	
1940-07-06	87		1940-07-01	49.1	
1940-06-22	55.5		1940-06-15	53.4	
1940-05-24	44.5		1940-05-18	42	
1940-05-11	42.9		1940-05-01	32.8	
1940-04-20	35.5		1940-04-13	31.4	
1940-04-06	26.3		1940-04-01	26.4	
1940-03-23	29.6		1940-03-16	31	
1940-03-09	28.4		1940-03-01	27.4	
1940-02-23	28.4		1940-02-16	27.8	
1940-02-09	28.9		1940-01-30	29.8	
1940-01-19	31.7		1940-01-12	33.7	
1940-01-06	34.2		1940-01-02	70.7	
1939-12-23	40.5		1939-12-15	38.8	
1939-12-08	39.2		1939-12-01	74.4	
1939-11-25	44.5		1939-11-18	41.7	
1939-11-13	40.5		1939-11-01	76.5	
1939-10-21	43.0		1939-10-14	46.6	
1939-10-07	43.8		1939-09-30	46.5	
1939-09-23	94.9		1939-09-16	50.1	
1939-09-11	49.2		1939-09-01	78.7	
1939-08-26	47.9		1939-08-19	45.5	
1939-08-12	48.2		1939-08-05	48.0	
1939-07-31	77.3		1939-07-22	46.3	
1939-07-15	42.2		1939-07-08	41.0	
1939-06-30	76.0		1939-06-24	42.2	
1939-06-17	39.0		1939-06-10	34.5	
1939-05-31	61.0		1939-05-20	29.2	
1939-05-13	32.9		1939-05-06	29.8	
1939-05-01	29.3		1939-04-22	26.9	
1939-04-15	25.7		1939-04-08	25.0	
1939-03-31	22.3		1939-03-25	21.9	
1939-03-18	22.6		1939-03-11	23.5	
1939-03-01	24.3		1939-02-20	22.9	
1939-02-11	23.8		1939-01-31	25.3	
1939-01-14	29.3		1939-01-07	31.3	
1938-12-31	33.3		1938-12-24	34.8	
1938-12-17	36.3		1938-12-10	39.7	
1938-12-01	74.7		1938-11-19	44.9	
1938-11-12	44.1		1938-11-05	44.9	
1938-10-31	74.2		1938-10-22	45.3	
1938-10-15	47.9		1938-10-08	45.3	
1938-10-01	79.6		1938-09-24	48.8	
1938-09-17	47.0		1938-09-12	48.0	
1938-08-31	82.5		1938-08-22	47.3	
1938-08-15	44.7		1938-08-08	44.1	
1938-08-01	78.6		1938-07-25	41.7	
1938-07-18	38.5		1938-07-11	38.3	
1938-06-30	73.5		1938-06-20	36.7	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1938-06-13	36.9		1938-06-01	70.4	
1938-05-23	33.9		1938-05-16	32.0	
1938-05-09	32.1		1938-05-02	66.4	
1938-04-25	30.7		1938-04-18	31.4	
1938-04-11	32.1		1938-04-01	27.0	
1938-03-28	30.9		1938-03-14	30.5	
1938-03-07	31.3		1938-03-01	27.0	
1938-02-21	31.6		1938-02-14	31.9	
1938-02-07	31.1		1938-01-31	74.8	
1938-01-24	35.6		1938-01-17	37.0	
1938-01-10	40.2		1938-01-03	77.5	
1937-12-27	37.0		1937-12-20	37.7	
1937-12-13	39.5		1937-12-06	44.40	
1937-11-30	81.4		1937-11-22	44.3	
1937-11-15	43.0		1937-11-08	46.9	
1937-11-01	85.3		1937-10-25	48.7	
1937-10-18	46.8		1937-10-11	47.1	
1937-09-30	80.0		1937-09-20	48.9	
1937-09-13	49.0		1937-09-07	47.5	
1937-08-31	85.1		1937-08-23	46.3	
1937-08-16	47.5		1937-08-09	43.0	
1937-08-02	79.2		1937-07-26	41.7	
1937-07-19	41.5		1937-07-01	80.4	
1937-06-21	48.8		1937-06-14	37.3	
1937-06-07	34.7		1937-06-01	73.4	
1937-05-24	35.0		1937-05-17	34.5	
1937-05-10	33.6		1937-05-01	72.5	
1937-04-26	30.9		1937-04-19	29.2	
1937-04-12	27.4		1937-04-01	65.4	
1937-03-22	25.2		1937-03-15	26.0	
1937-03-08	27.2		1937-03-01	63.5	
1937-02-23	27.42		1937-02-15	28.83	
1937-02-08	30.17		1937-02-04	70.66	
1937-01-25	32.08		1937-01-11	35.17	
1937-01-02	76.50		1936-12-28	38.00	
1936-12-21	41.33		1936-12-14	44.85	
1936-12-07	45.33		1936-11-30	83.33	
1936-11-23	45.83		1936-11-16	45.83	
1936-11-09	43.75		1936-11-02	76.66	
1936-10-26	44.75		1936-10-19	45.17	
1936-10-14	49.33		1936-10-01	82.25	
1936-09-21	48.00		1936-09-14	50.00	
1936-09-08	49.33		1936-08-31	82.50	
1936-08-24	49.83		1936-08-17	49.17	
1936-08-10	46.50		1936-08-03	84.75	
1936-07-27	48.66		1936-07-20	47.42	
1936-07-13	46.17		1936-07-07	46.33	
1936-06-30	80.50		1936-06-22	39.83	
1936-06-15	38.42		1936-06-08	37	
1936-06-01	70.66		1936-05-25	38.17	
1936-05-12	34.66		1936-04-30	68.00	
1936-04-20	31.08		1936-04-13	31.83	
1936-04-02	69.50		1936-03-23	28.00	
1936-03-16	27.33		1936-03-09	24.00	
1936-03-02	62.50		1936-02-24	24.00	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1936-02-18	25.66		1936-02-10	26.25	
1936-02-03	63.00		1936-01-27	29.17	
1936-01-20	30.08		1936-01-13	27.58	
1935-12-30	65.83		1935-12-23	32.58	
1935-12-16	31.75		1935-12-09	33.00	
1935-12-02	69.50		1935-11-25	32.66	
1935-11-18	34.17		1935-11-12	36.25	
1935-11-01	71.00		1935-10-21	37.25	
1935-10-14	34.66		1935-10-07	33.66	
1935-09-30	70.17		1935-09-23	37.50	
1935-09-16	35.58		1935-09-10	31.92	
1935-09-03	74.16		1935-08-26	34.75	
1935-08-20	36.50		1935-08-12	34.66	
1935-07-31	68.42		1935-07-22	32.58	
1935-07-15	34.25		1935-07-01	65.16	
1935-06-30	65.5		1935-05-31	61.8	
1935-04-30	57.5		1935-03-31	16.3	
1935-02-28	16.8		1935-01-31	52.3	
1934-12-31	52.9		1934-11-30	67	
1934-10-31	30.3		1934-09-30	76	
1934-08-31	71.8		1934-07-31	72.3	
1934-06-30	65		1934-05-31	61	
1934-04-30	55.5		1934-03-31	52.2	
1934-02-28	14		1934-01-31	60	
1933-12-31	54		1933-11-30	57	
1933-10-31	55.7		1933-09-30	61.5	
1933-08-31	62		1933-07-31	53.5	
1933-06-30	54		1933-05-31	17.7	
1933-04-30	71		1933-03-31	47.5	
1933-02-28	67.8		1933-01-31	56	
1932-12-31	67.5		1932-11-30	68.3	
1932-10-31	73		1932-09-30	31	
1932-08-31	76.5		1932-07-31	77.5	
1932-06-30	28.8		1932-05-31	49.5	
1932-04-30	75.7		1932-03-31	75	
1932-02-29	70		1932-01-31	67	
1931-12-31	74		1931-11-30	73.3	
1931-10-31	91		1931-09-30	84.5	
1931-08-31	95		1931-07-31	96.5	
1931-06-30	89		1931-05-31	79	
1931-04-30	71		1931-03-31	74	
1931-02-28	76.7		1931-01-31	77	
1930-12-31	72.3		1930-11-30	75	
1930-10-31	80		1930-09-30	80	
1930-08-31	86		1930-07-31	82	
1930-06-30	70		1930-05-31	72	
1930-04-30	64		1930-03-31	58.7	
1930-02-28	67.3		1930-01-31	56.5	
1929-12-31	74.5		1929-11-30	79	
1929-10-31	84		1929-09-30	90	
1929-08-31	92		1929-07-31	88	
1929-06-30	83		1929-05-31	81.5	
1929-04-30	72		1929-03-31	71.5	
1929-02-28	67.5		1929-01-31	58.5	
1928-12-31	60		1928-11-30	68.5	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1928-10-31	68.5		1928-09-30	71	
1928-08-31	71.5		1928-07-31	69	
1928-06-30	63		1928-05-31	59	
1928-04-30	51		1928-03-31	53	
1928-02-29	54		1928-01-31	52	
1927-12-31	65.5		1927-11-30	52	
1927-10-31	56.2		1927-09-30	64	
1927-08-31	69.5		1927-07-31	57.3	
1927-06-30	51		1927-05-31	55	
1927-04-30	52		1927-03-31	44.5	
1927-02-28	41.5		1927-01-31	46	
1926-12-31	46		1926-11-30	50.5	
1926-10-31	59		1926-09-30	58	
1926-08-31	61.5		1926-07-31	58.5	
1926-06-30	55.0		1926-05-31	53	
1926-04-30	39		1926-03-31	16.5	
1926-02-28	41		1926-01-31	40	
1925-12-31	40.5		1925-11-30	39.5	
1925-10-31	39.5		1925-09-30	44	
1925-08-31	43		1925-07-31	43	
1925-06-30	40		1925-05-31	36	
1925-04-30	32		1925-03-31	32	
1925-02-28	16		1924-12-31	33	
1924-11-30	36		1924-10-31	5	
1924-09-30	42		1924-09-24	40.29	
1924-08-31	33		1924-08-27	38.60	
1924-08-07	13.38		1924-07-31	33	
1924-07-13	47.85		1924-06-30	26.0	
1924-06-05	37.54		1924-02-28	45.50	
1924-02-02	18.20		1924-01-09	24.80	

**B6
NW
1/2 - 1 Mile
Higher**

FED USGS USGS3156844

Agency cd:	USGS	Site no:	334837118085706
Site name:	004S012W21M013S		
Latitude:	334837.53		
Longitude:	1180857.12	Dec lat:	33.810425
Dec lon:	-118.1492	Coor meth:	G
Coor acc:	5	Latlong datum:	NAD83
Dec latlong datum:	NAD83	District:	06
State:	06	County:	037
Country:	US	Land net:	Not Reported
Location map:	LONG BEACH	Map scale:	24000
Altitude:	34	Altitude method:	M
Altitude accuracy:	2.5	Altitude datum:	NGVD29
Hydrologic:	Not Reported		
Topographic:	Flat surface		
Site type:	Ground-water other than Spring	Date construction:	20020404
Date inventoried:	20020702	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	240	Hole depth:	1550
Source of depth data:	reporting agency (generally USGS)	Project number:	470651220
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Peak flow data count: 0
 Water quality data end date: 2002-07-17
 Ground water data begin date: 2002-07-17
 Ground water data count: 3

Water quality data begin date: 2002-07-17
 Water quality data count: 1
 Ground water data end date: 2002-09-26

Ground-water levels, Number of Measurements: 3

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2002-09-26	76.39		2002-09-23	76.32	
2002-07-17	74.15				

**B7
 NW
 1/2 - 1 Mile
 Higher**

FED USGS USGS3156841

Agency cd:	USGS	Site no:	334837118085703
Site name:	004S012W21M010S		
Latitude:	334837.53		
Longitude:	1180857.12	Dec lat:	33.810425
Dec lon:	-118.1492	Coor meth:	G
Coor accr:	5	Latlong datum:	NAD83
Dec latlong datum:	NAD83	District:	06
State:	06	County:	037
Country:	US	Land net:	Not Reported
Location map:	LONG BEACH	Map scale:	24000
Altitude:	34	Altitude method:	M
Altitude accuracy:	2.5	Altitude datum:	NGVD29
Hydrologic:	Not Reported		
Topographic:	Flat surface		
Site type:	Ground-water other than Spring	Date construction:	20020404
Date inventoried:	20020702	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	760	Hole depth:	1550
Source of depth data:	reporting agency (generally USGS)	Project number:	470651220
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	2002-07-17
Water quality data end date:	2002-07-17	Water quality data count:	1
Ground water data begin date:	2002-07-17	Ground water data end date:	2002-09-26
Ground water data count:	3		

Ground-water levels, Number of Measurements: 3

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2002-09-26	118.12		2002-09-23	117.96	
2002-07-17	108.14				

**B8
 NW
 1/2 - 1 Mile
 Higher**

FED USGS USGS3156840

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	334837118085702
Site name:	004S012W21M009S		
Latitude:	334837.53		
Longitude:	1180857.12	Dec lat:	33.810425
Dec lon:	-118.1492	Coor meth:	G
Coor accr:	5	Latlong datum:	NAD83
Dec latlong datum:	NAD83	District:	06
State:	06	County:	037
Country:	US	Land net:	Not Reported
Location map:	LONG BEACH	Map scale:	24000
Altitude:	34	Altitude method:	M
Altitude accuracy:	2.5	Altitude datum:	NGVD29
Hydrologic:	Not Reported		
Topographic:	Flat surface		
Site type:	Ground-water other than Spring	Date construction:	20020404
Date inventoried:	20020702	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	950	Hole depth:	1550
Source of depth data:	reporting agency (generally USGS)	Project number:	470651220
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	2002-07-16
Water quality data end date:	2002-07-16	Water quality data count:	1
Ground water data begin date:	2002-07-16	Ground water data end date:	2002-09-26
Ground water data count:	3		

Ground-water levels, Number of Measurements: 3

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2002-09-26	116.29		2002-09-23	116.15	
2002-07-16	105.66				

**B9
NW
1/2 - 1 Mile
Higher**

FED USGS USGS3156839

Agency cd:	USGS	Site no:	334837118085701
Site name:	004S012W21M008S		
Latitude:	334837.53		
Longitude:	1180857.12	Dec lat:	33.810425
Dec lon:	-118.1492	Coor meth:	G
Coor accr:	5	Latlong datum:	NAD83
Dec latlong datum:	NAD83	District:	06
State:	06	County:	037
Country:	US	Land net:	Not Reported
Location map:	LONG BEACH	Map scale:	24000
Altitude:	34	Altitude method:	M
Altitude accuracy:	2.5	Altitude datum:	NGVD29
Hydrologic:	Not Reported		
Topographic:	Flat surface		
Site type:	Ground-water other than Spring	Date construction:	20020404
Date inventoried:	20020702	Mean greenwich time offset:	PST

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 3

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2002-09-26	160.41		2002-09-23	160.28	
2002-08-22	159.10				

**B11
NW
1/2 - 1 Mile
Higher**

FED USGS USGS3156842

Agency cd:	USGS	Site no:	334837118085704
Site name:	004S012W21M011S		
Latitude:	334837.53		
Longitude:	1180857.12	Dec lat:	33.810425
Dec lon:	-118.1492	Coor meth:	G
Coor accr:	5	Latlong datum:	NAD83
Dec latlong datum:	NAD83	District:	06
State:	06	County:	037
Country:	US	Land net:	Not Reported
Location map:	LONG BEACH	Map scale:	24000
Altitude:	34	Altitude method:	M
Altitude accuracy:	2.5	Altitude datum:	NGVD29
Hydrologic:	Not Reported		
Topographic:	Flat surface		
Site type:	Ground-water other than Spring	Date construction:	20020404
Date inventoried:	20020702	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	500	Hole depth:	1550
Source of depth data:	reporting agency (generally USGS)	Project number:	470651220
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	2002-08-21
Water quality data end date:	2002-08-21	Water quality data count:	1
Ground water data begin date:	2002-08-21	Ground water data end date:	2002-09-26
Ground water data count:	3		

Ground-water levels, Number of Measurements: 3

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2002-09-26	160.59		2002-09-23	160.47	
2002-08-21	159.20				

**A12
SE
1/2 - 1 Mile
Lower**

FED USGS USGS3156993

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	334758118080901
Site name:	004S012W28H012S		
Latitude:	334758		
Longitude:	1180809	Dec lat:	33.79946124
Dec lon:	-118.13673319	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	037
Country:	US	Land net:	Not Reported
Location map:	LONG BEACH	Map scale:	24000
Altitude:	21.3	Altitude method:	M
Altitude accuracy:	1	Altitude datum:	NGVD29
Hydrologic:	San Gabriel. California. Area = 713 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	902	Hole depth:	1030
Source of depth data:	Not Reported		
Real time data flag:	Not Reported		
Daily flow data begin date:	Not Reported		
Daily flow data end date:	Not Reported		
Peak flow data begin date:	Not Reported		
Peak flow data count:	Not Reported		
Water quality data end date:	Not Reported		
Water quality data count:	Not Reported		
Ground water data begin date:	Not Reported		
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

**A13
SE
1/2 - 1 Mile
Lower**

FED USGS USGS3156992

Agency cd:	USGS	Site no:	334758118080801
Site name:	004S012W28H002S		
Latitude:	334758		
Longitude:	1180808	Dec lat:	33.79946124
Dec lon:	-118.13645541	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	037
Country:	US	Land net:	Not Reported
Location map:	LONG BEACH	Map scale:	24000
Altitude:	25	Altitude method:	M
Altitude accuracy:	5	Altitude datum:	NGVD29
Hydrologic:	San Gabriel. California. Area = 713 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	902	Hole depth:	1030
Source of depth data:	Not Reported		
Real time data flag:	0	Project number:	9479335800
Daily flow data begin date:	0000-00-00	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Peak flow data count: 0
 Water quality data end date: 0000-00-00
 Ground water data begin date: 1929-10-26
 Ground water data count: 681

Water quality data begin date: 0000-00-00
 Water quality data count: 0
 Ground water data end date: 1944-12-11

Ground-water levels, Number of Measurements: 681

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1944-12-11	13.26		1944-12-04	13.32	
1944-11-27	13.57		1944-11-20	13.99	
1944-11-13	15.20		1944-11-06	13.85	
1944-10-30	15.19		1944-10-23	15.45	
1944-10-16	15.71		1944-10-09	15.87	
1944-10-02	16.05		1944-09-25	16.14	
1944-09-18	16.40		1944-09-11	16.66	
1944-09-04	16.80		1944-08-28	16.56	
1944-08-21	16.26		1944-08-14	15.73	
1944-08-07	15.11		1944-07-31	14.85	
1944-07-24	15.05		1944-07-17	14.78	
1944-07-10	14.61		1944-07-03	14.53	
1944-06-26	14.44		1944-06-19	14.00	
1944-06-12	13.81		1944-06-05	13.51	
1944-05-29	13.38		1944-05-22	13.05	
1944-05-15	12.80		1944-05-08	12.51	
1944-05-01	11.63		1944-04-24	12.04	
1944-04-17	11.86		1944-04-10	11.99	
1944-03-27	13.05		1944-03-20	12.81	
1944-03-13	12.60		1944-03-06	12.60	
1944-02-28	13.05		1944-02-21	13.23	
1944-02-14	13.64		1944-02-07	13.70	
1944-01-31	13.69		1944-01-24	13.82	
1944-01-17	14.23		1944-01-10	14.15	
1944-01-03	14.51		1943-12-27	15.00	
1943-12-20	15.75		1943-12-13	16.23	
1943-12-06	16.72		1943-11-29	16.93	
1943-11-22	17.17		1943-11-15	17.53	
1943-11-08	17.64		1943-11-01	17.84	
1943-10-25	18.19		1943-10-18	18.75	
1943-10-11	19.03		1943-10-04	19.18	
1943-09-27	19.26		1943-09-20	19.10	
1943-09-13	19.25		1943-09-06	19.50	
1943-08-30	19.52		1943-08-23	19.46	
1943-08-16	19.02		1943-08-09	19.04	
1943-08-02	18.85		1943-07-26	18.58	
1943-07-19	17.91		1943-07-12	17.65	
1943-07-05	17.73		1943-06-28	17.58	
1943-06-21	16.79		1943-06-14	16.12	
1943-06-07	16.10		1943-05-31	15.70	
1943-05-24	15.93		1943-05-17	15.48	
1943-05-10	14.99		1943-05-03	14.48	
1943-04-26	14.20		1943-04-19	13.71	
1943-04-12	13.57		1943-04-05	13.30	
1943-03-29	13.25		1943-03-22	13.36	
1943-03-15	13.39		1943-03-08	13.45	
1943-03-01	13.40		1943-02-22	14.66	
1943-02-15	14.70		1943-02-08	14.74	
1943-02-01	14.80		1943-01-25	15.35	
1943-01-18	16.53		1943-01-11	16.31	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1943-01-04	16.36		1942-12-28	16.74	
1942-12-21	17.07		1942-12-14	17.38	
1942-12-07	17.45		1942-11-30	17.73	
1942-11-23	18.04		1942-11-16	18.03	
1942-11-09	18.60		1942-11-02	18.85	
1942-10-26	19.96		1942-10-19	19.91	
1942-10-12	19.99		1942-10-05	20.41	
1942-09-28	20.15		1942-09-21	20.50	
1942-09-14	20.64		1942-09-07	20.40	
1942-08-31	20.76		1942-08-24	20.90	
1942-08-17	20.60		1942-08-10	20.10	
1942-08-03	20.15		1942-07-27	19.84	
1942-07-20	19.38		1942-07-13	18.28	
1942-07-06	17.72		1942-06-29	16.66	
1942-06-22	16.23		1942-06-15	16.09	
1942-06-08	16.24		1942-06-01	15.25	
1942-05-25	14.25		1942-05-18	13.81	
1942-05-11	13.67		1942-05-04	13.71	
1942-04-27	13.42		1942-04-20	13.37	
1942-04-13	13.72		1942-04-06	14.36	
1942-03-30	14.47		1942-03-23	14.02	
1942-03-16	13.49		1942-03-09	13.30	
1942-03-02	13.17		1942-02-23	13.00	
1942-02-16	12.80		1942-02-09	12.63	
1942-02-02	12.55		1942-01-26	12.68	
1942-01-19	12.74		1942-01-12	12.78	
1942-01-05	12.82		1941-12-29	13.17	
1941-12-22	13.93		1941-12-15	14.33	
1941-12-08	14.99		1941-12-01	15.70	
1941-11-24	15.76		1941-11-17	15.65	
1941-11-10	16.88		1941-11-03	17.41	
1941-10-27	18.21		1941-10-20	21.07	
1941-10-13	19.76		1941-10-06	20.06	
1941-09-29	20.62		1941-09-22	20.39	
1941-09-17	20.56		1941-09-10	20.60	
1941-09-03	20.64		1941-08-27	20.15	
1941-08-20	20.01		1941-08-13	19.58	
1941-08-06	19.36		1941-07-30	18.59	
1941-07-23	18.32		1941-07-16	17.69	
1941-07-09	16.97		1941-07-02	16.64	
1941-06-25	16.55		1941-06-18	16.20	
1941-06-11	16.04		1941-06-04	15.66	
1941-05-28	15.43		1941-05-21	14.94	
1941-05-14	14.74		1941-05-07	14.55	
1941-04-30	14.59		1941-04-23	13.74	
1941-04-16	13.75		1941-04-09	14.05	
1941-04-02	14.12		1941-03-26	14.95	
1941-03-19	14.78		1941-03-12	15.09	
1941-03-05	14.90		1941-02-26	15.74	
1941-02-19	16.37		1941-02-12	16.87	
1941-02-05	17.3		1941-01-29	17.36	
1941-01-22	17.96		1941-01-15	18.18	
1941-01-08	18.4		1940-12-31	18.60	
1940-12-24	18.87		1940-12-18	19.94	
1940-12-11	20.52		1940-12-04	21.3	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1940-11-27	21.19		1940-11-20	21.34	
1940-11-13	21.67		1940-11-06	21.9	
1940-10-30	22.52		1940-10-23	23.74	
1940-10-16	24.53		1940-10-09	24.40	
1940-10-02	25.37		1940-09-25	25.21	
1940-09-18	25.30		1940-09-11	25.36	
1940-09-04	25.24		1940-08-28	25.24	
1940-08-21	25.23		1940-08-14	24.89	
1940-08-07	24.91		1940-07-31	24.66	
1940-07-24	23.78		1940-07-17	22.59	
1940-07-10	22.04		1940-07-03	21.79	
1940-06-26	21.18		1940-06-19	20.15	
1940-06-12	19.38		1940-06-05	19.27	
1940-05-29	18.58		1940-05-24	17.61	
1940-05-18	17.05		1940-05-11	16.02	
1940-05-01	15.20		1940-04-20	15.38	
1940-04-13	14.77		1940-04-06	15.04	
1940-04-01	15.53		1940-03-23	15.58	
1940-03-16	15.65		1940-03-09	15.17	
1940-03-01	15.04		1940-02-23	15.20	
1940-02-16	15.42		1940-02-09	15.47	
1940-01-30	16.20		1940-01-19	16.70	
1940-01-12	16.82		1940-01-06	17.73	
1940-01-02	17.80		1939-12-23	18.54	
1939-12-15	18.99		1939-12-08	19.40	
1939-12-01	19.92		1939-11-25	20.40	
1939-11-18	20.42		1939-11-13	20.28	
1939-11-01	21.38		1939-10-21	21.83	
1939-10-14	22.06		1939-10-07	23.02	
1939-09-23	26.17		1939-09-16	25.50	
1939-09-11	25.21		1939-09-01	25.55	
1939-08-26	24.80		1939-08-19	25.31	
1939-08-05	24.64		1939-07-31	24.49	
1939-07-22	23.86		1939-07-15	22.98	
1939-07-08	22.33		1939-06-30	22.28	
1939-06-26	21.54		1939-06-24	21.54	
1939-06-17	19.92		1939-06-10	19.14	
1939-05-31	18.40		1939-05-20	15.96	
1939-05-13	15.97		1939-05-06	15.34	
1939-05-01	15.24		1939-04-22	14.71	
1939-04-15	14.27		1939-04-08	14.00	
1939-03-31	14.14		1939-03-25	14.63	
1939-03-18	14.84		1939-03-11	15.33	
1939-03-01	15.44		1939-02-20	15.42	
1939-02-11	15.71		1939-01-31	16.27	
1939-01-21	17.20		1939-01-14	17.53	
1939-01-07	17.93		1938-12-31	18.27	
1938-12-24	18.64		1938-12-17	20.44	
1938-12-10	20.99		1938-12-01	21.53	
1938-11-19	21.70		1938-11-12	22.40	
1938-11-05	22.66		1938-10-31	23.31	
1938-10-22	23.74		1938-10-15	24.21	
1938-10-08	24.62		1938-10-01	24.88	
1938-09-24	25.05		1938-09-17	25.12	
1938-09-12	25.09		1938-08-31	24.86	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1938-08-22	24.73		1938-08-15	24.70	
1938-08-08	23.94		1938-08-01	23.10	
1938-07-25	22.79		1938-07-18	21.56	
1938-07-11	21.17		1938-06-30	20.97	
1938-06-20	19.57		1938-06-13	19.46	
1938-06-01	18.69		1938-05-23	17.91	
1938-05-16	18.31		1938-05-09	18.00	
1938-05-02	18.26		1938-04-25	18.69	
1938-04-18	18.50		1938-04-11	18.17	
1938-04-01	18.09		1938-03-28	18.12	
1938-03-14	18.10		1938-03-07	18.30	
1938-03-01	19.17		1938-02-21	18.83	
1938-02-07	20.13		1938-01-31	21.05	
1938-01-24	21.57		1938-01-17	22.14	
1938-01-10	21.15		1938-01-03	20.92	
1937-12-20	22.03		1937-12-13	23.41	
1937-12-06	23.09		1937-11-30	23.39	
1937-11-22	23.63		1937-11-15	23.92	
1937-11-08	24.03		1937-11-01	24.18	
1937-10-25	24.89		1937-10-18	25.05	
1937-10-11	24.83		1937-09-30	24.34	
1937-09-20	25.30		1937-09-13	25.17	
1937-09-07	25.51		1937-08-31	25.60	
1937-08-23	25.53		1937-08-16	25.07	
1937-08-09	24.45		1937-08-02	24.28	
1937-07-26	23.80		1937-07-19	22.86	
1937-07-17	21.67		1937-06-21	21.00	
1937-06-14	19.80		1937-06-07	19.31	
1937-06-02	19.56		1937-06-01	19.29	
1937-05-26	19.25		1937-05-19	19.38	
1937-05-12	18.96		1937-05-05	18.85	
1937-05-01	18.25		1937-04-28	17.52	
1937-04-21	17.93		1937-04-14	16.75	
1937-04-07	16.83		1937-04-01	16.96	
1937-03-31	17.00		1937-03-24	17.25	
1937-03-17	17.43		1937-03-10	17.85	
1937-03-03	18.03		1937-03-01	17.90	
1937-02-24	18.15		1937-02-17	18.29	
1937-02-10	19.28		1937-02-04	19.93	
1937-02-03	20.92		1937-01-27	21.45	
1937-01-20	20.36		1937-01-13	21.07	
1937-01-06	21.09		1937-01-02	21.71	
1936-12-30	21.76		1936-12-23	23.03	
1936-12-16	23.62		1936-12-09	24.01	
1936-12-02	24.84		1936-11-30	24.45	
1936-11-25	25.01		1936-11-18	24.93	
1936-11-11	25.50		1936-11-04	24.88	
1936-11-02	24.91		1936-10-28	25.65	
1936-10-21	25.43		1936-10-14	26.71	
1936-10-07	26.81		1936-10-01	26.69	
1936-09-30	27.06		1936-09-23	27.26	
1936-09-16	28.22		1936-09-09	28.49	
1936-09-02	29.06		1936-08-31	28.42	
1936-08-26	29.53		1936-08-19	29.17	
1936-08-12	28.41		1936-08-05	28.82	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1936-08-03	28.17		1936-07-29	28.85	
1936-07-22	29.52		1936-07-15	27.76	
1936-07-13	27.04		1936-07-08	27.51	
1936-07-01	27.14		1936-06-24	25.44	
1936-06-17	25.41		1936-06-10	23.34	
1936-06-03	22.30		1936-05-27	22.03	
1936-05-20	21.49		1936-05-13	20.98	
1936-05-06	19.93		1936-04-29	18.79	
1936-04-22	18.28		1936-04-15	18.03	
1936-04-08	17.42		1936-04-01	17.11	
1936-03-25	16.73		1936-03-18	16.40	
1936-03-11	16.32		1936-03-04	16.62	
1936-02-26	16.52		1936-02-19	16.47	
1936-02-12	16.88		1936-02-05	17.11	
1936-01-29	17.75		1936-01-22	17.64	
1936-01-15	17.34		1936-01-08	17.60	
1935-12-31	18.16		1935-12-24	18.65	
1935-12-18	18.81		1935-12-11	18.96	
1935-12-04	19.35		1935-11-27	19.67	
1935-11-20	19.72		1935-11-13	20.32	
1935-11-06	20.61		1935-10-30	21.02	
1935-10-23	21.00		1935-10-16	21.05	
1935-10-09	20.83		1935-10-02	21.75	
1935-09-25	22.41		1935-09-18	22.78	
1935-09-11	22.03		1935-09-04	22.0	
1935-08-28	22.49		1935-08-21	23.38	
1935-08-14	26.38		1935-08-07	21.73	
1935-07-31	21.74		1935-07-24	21.03	
1935-07-17	20.49		1935-07-10	19.05	
1935-07-03	18.48		1935-06-26	18.18	
1935-06-19	17.66		1935-06-12	16.31	
1935-06-05	15.55		1935-05-29	15.06	
1935-05-22	14.58		1935-05-15	14.43	
1935-05-08	13.83		1935-05-01	13.48	
1935-04-24	13.04		1935-04-17	12.77	
1935-04-10	12.65		1935-04-03	12.96	
1935-03-27	12.68		1935-03-20	12.92	
1935-03-13	12.98		1935-03-06	13.45	
1935-02-27	14.14		1935-02-20	13.63	
1935-02-13	13.70		1935-02-06	13.99	
1935-01-30	14.30		1935-01-23	14.83	
1935-01-16	15.18		1935-01-09	15.88	
1935-01-02	16.51		1934-12-26	16.72	
1934-12-19	17.28		1934-12-12	17.96	
1934-12-05	18.74		1934-11-28	18.67	
1934-11-21	19.60		1934-11-14	20.66	
1934-11-07	21.20		1934-10-31	21.62	
1934-10-24	22.17		1934-10-17	23.37	
1934-10-10	24.69		1934-10-03	23.82	
1934-09-26	23.51		1934-09-19	24.30	
1934-09-12	23.96		1934-09-05	23.98	
1934-08-29	23.47		1934-08-22	23.55	
1934-08-15	23.53		1934-08-08	23.34	
1934-08-01	26.43		1934-07-25	22.48	
1934-07-18	24.86		1934-07-11	22.03	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1934-07-04	22.86		1934-06-27	22.74	
1934-06-20	22.01		1934-06-13	21.63	
1934-06-06	21.73		1934-05-30	23.46	
1934-05-23	26.02		1934-05-16	24.66	
1934-05-09	20.35		1934-05-02	19.62	
1934-04-26	18.42		1934-04-25	18.69	
1934-04-18	18.05		1934-04-11	17.93	
1934-04-04	16.95		1934-03-28	18.54	
1934-03-21	14.70		1934-03-14	14.28	
1934-03-07	13.55		1934-02-28	14.13	
1934-02-21	14.81		1934-02-14	15.43	
1934-02-07	15.43		1934-01-31	14.69	
1934-01-24	14.18		1934-01-17	14.59	
1934-01-10	15.12		1934-01-03	15.80	
1933-12-27	16.22		1933-12-20	16.91	
1933-12-13	17.72		1933-12-06	17.35	
1933-11-29	17.87		1933-11-22	18.29	
1933-11-15	19.23		1933-11-08	22.20	
1933-11-01	18.77		1933-10-25	18.9	
1933-10-18	19.14		1933-10-11	18.95	
1933-10-04	18.74		1933-09-27	18.71	
1933-09-20	18.72		1933-09-13	18.75	
1933-09-06	18.73		1933-08-30	18.77	
1933-08-23	19.23		1933-08-16	20.53	
1933-08-09	20.00		1933-08-02	19.43	
1933-07-26	18.71		1933-07-19	18.05	
1933-07-12	17.84		1933-07-05	17.57	
1933-06-28	18.10		1933-06-21	18.44	
1933-06-14	18.17		1933-06-07	18.25	
1933-05-31	19.36		1933-05-24	24.80	
1933-05-17	21.01		1933-05-10	16.88	
1933-05-03	15.70		1933-04-28	16.89	
1933-04-21	16.59		1933-04-14	16.24	
1933-04-07	13.77		1933-03-31	12.62	
1933-03-24	12.62		1933-03-17	15.35	
1933-03-10	17.04		1933-03-03	15.78	
1933-02-24	15.80		1933-02-18	15.80	
1933-02-11	16.94		1933-02-04	18.24	
1933-01-28	18.82		1933-01-21	19.49	
1933-01-19	18.98		1932-12-07	26.2	
1932-03-20	21.4		1932-02-17	21.5	
1932-01-20	22.8		1932-01-13	21.9	
1931-12-31	22.0		1931-12-23	25.0	
1931-12-16	24.0		1931-12-09	27.1	
1931-12-01	24.7		1931-11-18	29.8	
1931-10-28	32.4		1931-10-21	29.9	
1931-10-14	33.3		1931-10-08	33.7	
1931-10-01	32.5		1931-09-24	35.2	
1931-09-17	33.1		1931-09-10	35.6	
1931-09-05	34.9		1931-08-27	37.0	
1931-08-13	33.0		1931-08-06	35.9	
1931-07-02	34.40		1931-06-11	30.6	
1931-05-31	28.7		1931-05-28	24.4	
1931-05-07	25.0		1931-04-16	30.0	
1931-04-09	26.0		1931-03-12	23.6	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1931-03-05	24.6		1931-02-12	18.3	
1931-01-30	24.5		1931-01-23	20.8	
1931-01-16	23.3		1930-12-26	25.6	
1930-12-05	26.6		1930-11-07	30.1	
1930-10-31	28.0		1930-10-24	30.1	
1930-10-17	27.8		1930-09-26	32.1	
1930-08-29	30.8		1930-07-25	28.7	
1930-06-27	25.3		1930-06-13	23.8	
1930-05-02	17.1		1930-04-25	21.4	
1930-04-18	20.78		1930-04-11	19.73	
1930-03-07	14.3		1930-02-28	20.8	
1930-02-14	18.36		1930-02-07	19.3	
1930-01-31	14.1		1930-01-03	22.7	
1929-12-27	22.6		1929-12-06	21.8	
1929-11-15	27.0		1929-11-09	25.9	
1929-10-26	27.5				

**C14
NW
1/2 - 1 Mile
Higher**

FED USGS USGS3156834

Agency cd:	USGS	Site no:	334836118086001
Site name:	004S012W21M002S		
Latitude:	334836		
Longitude:	1180900	Dec lat:	33.81001675
Dec lon:	-118.1509006	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	037
Country:	US	Land net:	Not Reported
Location map:	LONG BEACH	Map scale:	24000
Altitude:	37	Altitude method:	M
Altitude accuracy:	1	Altitude datum:	NGVD29
Hydrologic:	San Gabriel. California. Area = 713 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	600	Hole depth:	725
Source of depth data:	Not Reported		
Real time data flag:	0		
Daily flow data begin date:	0000-00-00		
Daily flow data end date:	0000-00-00		
Peak flow data begin date:	0000-00-00		
Peak flow data end date:	0000-00-00		
Peak flow data count:	0		
Water quality data begin date:	0000-00-00		
Water quality data end date:	0000-00-00		
Water quality data count:	0		
Ground water data begin date:	1923-11-03		
Ground water data end date:	1944-10-21		
Ground water data count:	571		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 571

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1944-10-21	62.0		1944-10-14	66.0	
1944-10-02	64.0		1944-09-16	66.1	
1944-09-01	74.0		1944-07-31	57.0	
1944-07-22	57.0		1944-07-15	60.0	
1944-07-08	60.6		1944-07-01	68.0	
1944-06-17	63.4		1944-05-31	69.0	
1944-05-06	52.0		1944-05-01	49.0	
1944-04-22	63.9		1944-04-15	59.5	
1944-04-08	59.9		1944-03-25	51.7	
1944-03-18	39.7		1944-03-01	39	
1944-02-19	39.8		1944-02-11	40.4	
1944-01-31	41		1944-01-22	41.1	
1944-01-15	39.3		1944-01-08	35.8	
1943-12-31	37		1943-12-24	44.1	
1943-12-18	44.8		1943-12-11	45.8	
1943-12-01	55		1943-11-20	51.4	
1943-11-13	59.1		1943-11-06	56.4	
1943-10-29	56.5		1943-10-16	59	
1943-10-01	62.5		1943-09-25	63.2	
1943-09-18	61.2		1943-09-11	60	
1943-09-01	65		1943-08-14	67.7	
1943-08-07	69.9		1943-08-04	72.6	
1943-06-30	65		1943-06-19	61.9	
1943-06-12	57.4		1943-06-01	59	
1943-04-30	55		1943-04-24	45.2	
1943-04-17	42.7		1943-04-10	37.3	
1943-03-31	37.4		1943-03-20	34.5	
1943-03-13	34.8		1943-03-06	34	
1943-03-01	35		1943-02-20	38.6	
1943-02-13	59		1943-02-06	39	
1943-01-29	39.7		1943-01-16	41.8	
1943-01-09	45.8		1942-12-31	44.2	
1942-12-19	41.8		1942-12-12	46.1	
1942-12-01	47.1		1942-11-21	49.0	
1942-11-14	57.6		1942-11-07	55.3	
1942-11-02	57.7		1942-10-24	68.6	
1942-10-17	66.8		1942-10-10	66.5	
1942-09-30	68.0		1942-09-19	70.3	
1942-09-12	71.8		1942-09-01	69.8	
1942-08-22	76.2		1942-08-15	73.2	
1942-08-08	74.5		1942-07-31	74.0	
1942-07-17	67.7		1942-07-11	65.4	
1942-07-01	59.6		1942-06-13	54.1	
1942-06-06	71.3		1942-06-01	59.0	
1942-05-23	67.2		1942-05-16	62.8	
1942-05-09	57.4		1942-04-30	40.0	
1942-04-25	34.3		1942-04-18	33.3	
1942-04-11	33.0		1942-03-31	39.7	
1942-03-21	38.8		1942-03-14	36.2	
1942-03-07	38.3		1942-02-28	40.0	
1942-02-21	54.5		1942-02-14	49.5	
1942-02-07	47.0		1942-01-24	43.4	
1942-01-17	35.4		1942-01-10	34.2	
1941-12-20	36.6		1941-12-13	37.4	
1941-11-15	70.0		1941-11-08	48.9	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1941-10-31	48.0		1941-10-25	52.9	
1941-10-18	90.0		1941-10-11	54.8	
1941-10-01	59.0		1941-09-20	70.0	
1941-09-13	70.8		1941-09-02	57.5	
1941-08-23	72.0		1941-08-09	72.6	
1941-08-01	60.4		1941-07-26	67.6	
1941-07-19	70.8		1941-07-12	52.8	
1941-07-07	48.3		1941-07-01	52	
1941-06-21	64.6		1941-06-14	49.4	
1941-06-07	48.9		1941-06-02	46.4	
1941-05-24	44.4		1941-05-17	40.8	
1941-05-10	56.3				
Note: The site was being pumped.					
1941-04-30	31.0		1941-04-19	32.5	
1941-04-12	30.1		1941-03-31	36.2	
1941-03-22	50.0				
Note: The site was being pumped.					
1941-03-15	49.1				
Note: The site was being pumped.					
1941-03-08	48.5				
Note: The site was being pumped.					
1941-02-28	39.3		1941-02-21	38.9	
1941-02-15	54.0				
Note: The site was being pumped.					
1941-02-08	59.6				
Note: The site was being pumped.					
1941-01-31	42.4				
1941-01-25	52.9				
Note: The site was being pumped.					
1941-01-18	41.1				
1941-01-11	54.8				
Note: The site was being pumped.					
1941-01-02	42.8		1940-12-21	44.2	
1940-12-14	54.1		1940-12-07	52.3	
1940-12-02	50.7		1940-11-23	48.3	
1940-11-16	55.4		1940-11-09	52.6	
1940-11-01	52.0		1940-10-26	56.0	
1940-10-19	71.8				
Note: The site was being pumped.					
1940-10-11	58.3		1940-10-01	61.2	
1940-09-21	69.7				
Note: The site was being pumped.					
1940-09-14	61.4				
1940-09-07	72.0				
Note: The site was being pumped.					
1940-08-30	60.4				
1940-08-24	74.0				
Note: The site was being pumped.					
1940-08-17	72.0				
Note: The site was being pumped.					
1940-08-10	72.8				
Note: The site was being pumped.					
1940-08-01	63.3				
1940-07-20	73.0				
Note: The site was being pumped.					

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1940-07-13	73.0				
Note: The site was being pumped.					
1940-07-06	57.2		1940-07-01	56.9	
1940-06-22	56.3		1940-06-15	63.5	
1940-05-24	63.8		1940-05-18	63.4	
1940-05-11	47.9		1940-05-01	45.3	
1940-04-20	43.2		1940-04-13	55.7	
1940-04-06	37.8		1940-04-01	41.0	
1940-03-23	54.9		1940-03-16	60	
1940-03-09	60.8		1940-03-01	42.6	
1940-02-23	53.5		1940-02-16	38.4	
1940-02-09	51.9				
Note: The site was being pumped.					
1940-01-30	41.5		1940-01-19	43.4	
1940-01-12	52.9				
Note: The site was being pumped.					
1940-01-06	40		1940-01-02	46.6	
1939-12-23	44.5		1939-12-15	44.3	
1939-12-08	45.5		1939-12-01	46.3	
1939-11-25	49.7		1939-11-18	47.5	
1939-11-13	61.6				
Note: The site was being pumped.					
1939-11-01	57.0		1939-10-21	52	
1939-10-14	54.8		1939-10-07	52.6	
1939-09-30	57.8				
1939-09-23	87.4				
Note: The site was being pumped.					
1939-09-16	76				
Note: The site was being pumped.					
1939-09-11	74				
Note: The site was being pumped.					
1939-09-01	67.3				
1939-08-26	74				
Note: The site was being pumped.					
1939-08-19	74				
Note: The site was being pumped.					
1939-08-12	74				
Note: The site was being pumped.					
1939-08-05	74				
Note: The site was being pumped.					
1939-07-31	61.5				
1939-07-22	73.5				
Note: The site was being pumped.					
1939-07-15	72.4				
Note: The site was being pumped.					
1939-07-08	67.5				
Note: The site was being pumped.					
1939-06-30	57.7				
1939-06-24	61.6				
Note: The site was being pumped.					
1939-06-17	66.4				
Note: The site was being pumped.					
1939-06-10	64				
Note: The site was being pumped.					
1939-05-31	48				
1939-05-20	56				
Note: The site was being pumped.					

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1939-05-13	54.6				
Note: The site was being pumped.					
1939-05-06	51.2				
Note: The site was being pumped.					
1939-05-01	35.1				
1939-04-22	51.2				
Note: The site was being pumped.					
1939-04-15	29.9				
1939-04-08	47.9				
Note: The site was being pumped.					
1939-03-31	30.9				
1939-03-25	46.2				
Note: The site was being pumped.					
1939-03-18	47.9				
Note: The site was being pumped.					
1939-03-11	35.2		1939-03-01	39.5	
1939-02-20	45				
Note: The site was being pumped.					
1939-02-11	32.5		1939-01-31	34.4	
1939-01-21	37.7				
1939-01-14	51				
Note: The site was being pumped.					
1939-01-07	52				
Note: The site was being pumped.					
1938-12-31	35.5		1938-12-24	36.1	
1938-12-17	38		1938-12-10	43.5	
1938-12-01	45.0				
1938-11-19	61.5				
Note: The site was being pumped.					
1938-11-12	46.9		1938-11-05	48	
1938-10-31	49.5				
1938-10-22	69				
Note: The site was being pumped.					
1938-10-15	53.2				
1938-10-08	67.5				
Note: The site was being pumped.					
1938-10-01	62.1		1938-09-24	61.9	
1938-09-17	67.5				
Note: The site was being pumped.					
1938-09-12	67				
Note: The site was being pumped.					
1938-08-31	63.4				
1938-08-22	69.6				
Note: The site was being pumped.					
1938-08-15	69.4				
Note: The site was being pumped.					
1938-08-08	69.9				
Note: The site was being pumped.					
1938-08-01	58.3				
1938-07-25	67.8				
Note: The site was being pumped.					
1938-07-18	65.0				
Note: The site was being pumped.					
1938-07-11	63				
Note: The site was being pumped.					

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1938-06-30	52.0		1938-06-20	59	
1938-06-13	54.4		1938-06-01	47.2	
1938-05-23	52.2		1938-05-16	39.5	
1938-05-09	53.5		1938-05-02	41.9	
1938-04-25	52.5				
1938-04-18	59.0				
Note: The site was being pumped.					
1938-04-11	59.7				
Note: The site was being pumped.					
1938-04-01	52.0				
1938-03-28	58.1				
Note: The site was being pumped.					
1938-03-14	55.8				
1938-03-07	58.5				
Note: The site was being pumped.					
1938-03-01	46.0				
1938-02-21	55.5				
Note: The site was being pumped.					
1938-02-14	57.9				
Note: The site was being pumped.					
1938-02-07	57.2				
Note: The site was being pumped.					
1938-01-31	45.9				
1938-01-24	58.2				
Note: The site was being pumped.					
1938-01-17	62.0				
Note: The site was being pumped.					
1938-01-10	51.4		1938-01-03	47.0	
1937-12-27	56.0				
Note: The site was being pumped.					
1937-12-20	58.2				
Note: The site was being pumped.					
1937-12-13	49.9				
1937-12-06	66.8				
Note: The site was being pumped.					
1937-11-30	46.5				
1937-11-22	58.2				
Note: The site was being pumped.					
1937-11-15	64.3				
Note: The site was being pumped.					
1937-11-08	64.6				
Note: The site was being pumped.					
1937-11-01	54.2		1937-10-25	53.2	
1937-10-18	69.4				
1937-10-11	68.2				
Note: The site was being pumped.					
1937-09-30	56.0				
1937-09-20	73.5				
Note: The site was being pumped.					
1937-09-13	70.9				
Note: The site was being pumped.					
1937-09-07	69.5				
Note: The site was being pumped.					
1937-08-31	64.2				
1937-08-23	74.0				
Note: The site was being pumped.					

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1937-08-16	72.1				
Note: The site was being pumped.					
1937-08-09	71.3				
Note: The site was being pumped.					
1937-08-02	63.5				
1937-07-26	70.8				
Note: The site was being pumped.					
1937-07-19	70.2				
Note: The site was being pumped.					
1937-07-01	73.7				
Note: The site was being pumped.					
1937-06-21	67.6				
Note: The site was being pumped.					
1937-06-14	66.0				
Note: The site was being pumped.					
1937-06-07	62.1				
Note: The site was being pumped.					
1937-06-01	50.8				
1937-05-24	62.9				
Note: The site was being pumped.					
1937-05-17	62.0				
Note: The site was being pumped.					
1937-05-10	61.10				
Note: The site was being pumped.					
1937-05-01	48.8				
1937-04-26	59.3				
Note: The site was being pumped.					
1937-04-19	54.2				
Note: The site was being pumped.					
1937-04-12	38.5		1937-04-01	37.2	
1937-03-15	38.0		1937-03-08	39.00	
1937-03-01	40.80		1937-02-23	41.83	
1937-02-15	43.00		1937-02-08	44.25	
1937-02-04	45.17		1937-01-25	46.25	
1937-01-11	49.75		1937-01-02	53.00	
1936-12-28	53.66		1936-12-21	56.25	
1936-12-14	58.25		1936-12-07	58.00	
1936-11-30	102.00		1936-11-23	69.00	
1936-11-16	59.58		1936-11-09	56.25	
1936-11-02	56.00		1936-10-26	57.50	
1936-10-19	58.75		1936-10-14	61.00	
1936-10-01	61.66		1936-09-21	61.17	
1936-09-14	67.00		1936-09-08	60.66	
1936-08-31	62.00		1936-08-24	65.50	
1936-08-17	60.17		1936-08-10	103.00	
1936-08-03	61.17		1936-07-27	60.66	
1936-07-20	74.25		1936-07-13	58.75	
1936-07-07	56.33		1936-06-30	56.66	
1936-06-22	52.50		1936-06-15	75.00	
1936-06-08	51.75		1936-06-01	48.9	
1936-05-25	50.50		1936-05-12	49.42	
1936-04-30	45.58		1936-04-20	71.50	
1936-04-13	44.17		1936-04-02	39.25	
1936-03-23	40.83		1936-03-16	39.83	
1936-03-09	38.25		1936-03-02	38.00	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1936-02-24	38.25		1936-02-18	40.08	
1936-02-10	40.83		1936-02-03	42.00	
1936-01-27	43.75		1936-01-20	43.66	
1936-01-13	41.66		1935-12-30	43.83	
1935-12-23	46.00		1935-12-16	45.92	
1935-12-09	46.58		1935-12-02	48.25	
1935-11-25	48.33		1935-11-18	50.33	
1935-11-12	51.00		1935-11-01	54.00	
1935-10-21	51.25		1935-10-14	50.66	
1935-10-07	50.00		1935-09-30	51.25	
1935-09-23	51.17		1935-09-16	51.66	
1935-09-10	50.83		1935-09-03	45.25	
1935-08-26	50.16		1935-08-20	98.00	
1935-08-12	51.92		1935-07-31	49.50	
1935-07-22	99.00		1935-07-15	48.75	
1935-07-01	46.00		1935-06-30	46.0	
1935-05-31	39.0		1935-04-30	32.1	
1935-03-31	29.0		1935-02-28	29.5	
1935-01-31	30.3		1934-12-31	31.7	
1934-11-30	36.0		1934-10-31	43	
1934-09-30	49.5		1934-08-31	47.9	
1934-07-31	43.5		1934-06-30	38.4	
1934-05-31	38.4		1934-04-30	32	
1934-03-31	30		1934-02-28	27.3	
1934-01-31	29		1933-12-31	32	
1933-12-08	36		1933-11-30	34	
1933-10-31	34.2		1933-09-30	39	
1933-08-31	41		1933-07-31	35.5	
1933-06-30	29.7		1933-06-15	27.6	
1933-05-31	30.0		1933-04-30	35.5	
1933-03-31	23.1		1933-02-28	29.2	
1933-01-31	29.7		1932-12-31	37	
1932-12-07	44.2		1932-12-01	71	
1932-11-30	44		1932-11-01	43.3	
1932-10-31	43.3		1932-10-01	45	
1932-09-30	45		1932-09-01	43.2	
1932-08-31	43.2		1932-08-01	40.8	
1932-07-31	40.8		1932-07-01	40.5	
1932-06-30	40.5		1932-06-01	51	
1932-05-31	51		1932-05-01	50	
1932-04-30	50.0		1932-04-01	47.9	
1932-03-31	47.9		1932-03-01	45	
1932-02-29	45		1932-02-01	46	
1932-01-31	46		1932-01-01	49	
1931-12-31	49		1931-12-01	56.2	
1931-11-30	56.2		1931-11-01	65.6	
1931-10-31	65		1931-10-01	59	
1931-09-30	59		1931-09-01	64.8	
1931-08-31	64.8		1931-08-01	66	
1931-07-31	66		1931-07-01	58.6	
1931-06-30	58.6		1931-06-01	49.5	
1931-05-31	49.5		1931-05-01	48	
1931-04-30	48		1931-03-31	51	
1931-02-28	48		1931-01-31	48.5	
1930-12-31	50		1930-12-01	47	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1930-11-30	45		1930-10-31	60	
1930-09-30	60		1930-08-31	60	
1930-07-31	58		1930-06-30	50	
1930-05-31	50		1930-04-30	34.5	
1930-03-31	38.3		1930-02-28	32.3	
1930-01-31	32.3		1929-12-31	53.3	
1929-11-30	58		1929-10-31	62	
1929-09-30	66.5		1929-08-31	71	
1929-07-31	58.5		1929-06-30	59	
1929-05-31	55		1929-04-30	44	
1929-03-31	46		1929-02-28	41.5	
1929-01-31	35		1928-12-31	45	
1928-11-30	46		1928-10-31	50	
1928-09-30	51.5		1928-08-31	55	
1928-07-31	50		1928-06-30	37.5	
1928-05-31	33.5		1928-04-30	40	
1928-03-31	29		1928-02-29	31	
1928-01-31	30.7		1927-12-31	31.5	
1927-11-30	36		1927-10-31	43.8	
1927-09-30	44		1927-08-31	44.5	
1927-07-31	40		1927-06-30	33	
1927-05-31	31		1927-04-30	25	
1927-03-31	23		1927-02-28	22	
1927-01-31	20		1926-12-31	29	
1926-11-30	33.5		1926-10-31	41	
1926-09-30	37		1926-08-31	43	
1926-07-31	38.5		1926-06-30	23.5	
1926-05-31	33		1926-04-30	28	
1926-03-31	29		1926-02-28	21.5	
1926-01-31	20		1925-12-31	18.5	
1925-11-30	24.5		1925-10-31	23.5	
1925-09-30	32		1925-08-31	29	
1925-07-31	33		1925-06-30	26	
1925-05-31	19		1925-04-30	18	
1925-03-31	16		1925-02-28	15	
1925-01-31	15		1924-12-31	5	
1924-11-30	18		1924-10-31	15	
1924-09-30	24				
1924-09-24	48.40				
Note: The site was being pumped.					
1924-08-31	23.25				
1924-08-27	47.55				
Note: The site was being pumped.					
1924-08-07	46.82				
Note: The site was being pumped.					
1924-07-31	18				
1924-07-13	47.00				
Note: The site was being pumped.					
1924-06-30	17		1924-06-05	8.12	
1923-11-20	3.85		1923-11-03	3.03	

C15
NW
1/2 - 1 Mile
Higher

FED USGS USGS3156845

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	334837118090301
Site name:	004S012W21M007S		
Latitude:	334837		
Longitude:	1180903	Dec lat:	33.81027778
Dec lon:	-118.15083333	Coor meth:	G
Coor accr:	5	Latlong datum:	NAD83
Dec latlong datum:	NAD83	District:	06
State:	06	County:	037
Country:	US	Land net:	Not Reported
Location map:	LONG BEACH	Map scale:	24000
Altitude:	37	Altitude method:	M
Altitude accuracy:	2.5	Altitude datum:	NGVD29
Hydrologic:	Not Reported		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	20000928	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	910	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Real time data flag:	0	Project number:	470657500
Daily flow data end date:	0000-00-00	Daily flow data begin date:	0000-00-00
Peak flow data begin date:	0000-00-00	Daily flow data count:	0
Peak flow data count:	0	Peak flow data end date:	0000-00-00
Water quality data end date:	2000-09-28	Water quality data begin date:	2000-09-28
Ground water data begin date:	0000-00-00	Water quality data count:	1
Ground water data count:	0	Ground water data end date:	0000-00-00

Ground-water levels, Number of Measurements: 0

D16
SW
1/2 - 1 Mile
Higher

CA WELLS 5332

Water System Information:

Prime Station Code:	04S/12W-21M05 S	User ID:	MET
FRDS Number:	1910065010	County:	Los Angeles
District Number:	15	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Destroyed
Source Lat/Long:	334800.0 1180900.0	Precision:	Undefined
Source Name:	CITIZENS WELL 05 - DESTROYED		
System Number:	1910065		
System Name:	LONG BEACH-CITY, WATER DEPT.		
Organization That Operates System:	1800 E WARDLOW ROAD LONG BEACH, CA 90807		
Pop Served:	424276	Connections:	85818
Area Served:	LONG BEACH		

D17
SW
1/2 - 1 Mile
Higher

CA WELLS 5331

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Water System Information:

Prime Station Code:	04S/12W-21M02 S	User ID:	MET
FRDS Number:	1910065011	County:	Los Angeles
District Number:	15	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Destroyed
Source Lat/Long:	334800.0 1180900.0	Precision:	Undefined
Source Name:	CITIZENS WELL 07 - DESTROYED		
System Number:	1910065		
System Name:	LONG BEACH-CITY, WATER DEPT.		
Organization That Operates System:	1800 E WARDLOW ROAD LONG BEACH, CA 90807		
Pop Served:	424276	Connections:	85818
Area Served:	LONG BEACH		

**C18
WNW
1/2 - 1 Mile
Higher**

FED USGS USGS3156835

Agency cd:	USGS	Site no:	334836118090201
Site name:	004S012W20J004S		
Latitude:	334836		
Longitude:	1180902	Dec lat:	33.81001675
Dec lon:	-118.15145618	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	037
Country:	US	Land net:	Not Reported
Location map:	LONG BEACH	Map scale:	24000
Altitude:	Not Reported	Altitude method:	Not Reported
Altitude accuracy:	Not Reported	Altitude datum:	Not Reported
Hydrologic:	San Gabriel. California. Area = 713 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	2188	Hole depth:	2362
Source of depth data:	Not Reported	Project number:	9479335800
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

**E19
SE
1/2 - 1 Mile
Lower**

CA WELLS 5340

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Water System Information:

Prime Station Code:	04S/12W-28H06 S	User ID:	MET
FRDS Number:	1910065001	County:	Los Angeles
District Number:	15	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	334800.0 1180800.0	Precision:	Undefined
Source Name:	ALAMITOS WELL 08		
System Number:	1910065		
System Name:	LONG BEACH-CITY, WATER DEPT.		
Organization That Operates System:			

1800 E WARDLOW ROAD
LONG BEACH, CA 90807

Pop Served:	424276	Connections:	85818
Area Served:	LONG BEACH		
Sample Collected:	05/11/2001 00:00:00	Findings:	2 TON
Chemical:	ODOR THRESHOLD @ 60 C		
Sample Collected:	05/11/2001 00:00:00	Findings:	210 UG/L
Chemical:	BORON		
Sample Collected:	05/11/2001 00:00:00	Findings:	.173 MG/L
Chemical:	FOAMING AGENTS (MBAS)		
Sample Collected:	05/24/2001 00:00:00	Findings:	2 TON
Chemical:	ODOR THRESHOLD @ 60 C		
Sample Collected:	08/29/2001 00:00:00	Findings:	32.2 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	08/29/2001 00:00:00	Findings:	135 UNITS
Chemical:	COLOR		
Sample Collected:	08/29/2001 00:00:00	Findings:	383 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	08/29/2001 00:00:00	Findings:	8.81
Chemical:	PH, LABORATORY		
Sample Collected:	08/29/2001 00:00:00	Findings:	178.86 MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO3		
Sample Collected:	08/29/2001 00:00:00	Findings:	176.56 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	08/29/2001 00:00:00	Findings:	.3 MG/L
Chemical:	CARBONATE ALKALINITY		
Sample Collected:	08/29/2001 00:00:00	Findings:	5.31 MG/L
Chemical:	TOTAL ORGANIC CARBON (TOC)		
Sample Collected:	08/29/2001 00:00:00	Findings:	15.53 MG/L
Chemical:	HARDNESS (TOTAL) AS CaCO3		
Sample Collected:	08/29/2001 00:00:00	Findings:	5.61 MG/L
Chemical:	CALCIUM		
Sample Collected:	08/29/2001 00:00:00	Findings:	.38 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	08/29/2001 00:00:00	Findings:	89.16 MG/L
Chemical:	SODIUM		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	08/29/2001 00:00:00	Findings:	9.83
Chemical:	SODIUM ABSORPTION RATIO		
Sample Collected:	08/29/2001 00:00:00	Findings:	1.65 MG/L
Chemical:	POTASSIUM		
Sample Collected:	08/29/2001 00:00:00	Findings:	16.15 MG/L
Chemical:	CHLORIDE		
Sample Collected:	08/29/2001 00:00:00	Findings:	.63 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	08/29/2001 00:00:00	Findings:	19.21 MG/L
Chemical:	SILICA		
Sample Collected:	08/29/2001 00:00:00	Findings:	251 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	08/29/2001 00:00:00	Findings:	.54
Chemical:	LANGELIER INDEX AT SOURCE TEMP.		
Sample Collected:	08/29/2001 00:00:00	Findings:	.03 MG/L
Chemical:	HYDROGEN SULFIDE		
Sample Collected:	08/29/2001 00:00:00	Findings:	.47 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	08/29/2001 00:00:00	Findings:	.1 MG/L
Chemical:	BROMIDE		
Sample Collected:	08/29/2001 00:00:00	Findings:	12.2
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	08/29/2001 00:00:00	Findings:	637 MG/L
Chemical:	FLUORIDE (TREATMENT RELATED-DISTRIBUTION)		
Sample Collected:	09/20/2001 00:00:00	Findings:	220 UG/L
Chemical:	BORON		
Sample Collected:	07/03/2002 00:00:00	Findings:	3.3 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	07/03/2002 00:00:00	Findings:	1 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	07/03/2002 00:00:00	Findings:	.65 PCI/L
Chemical:	GROSS BETA COUNTING ERROR		
Sample Collected:	08/07/2002 00:00:00	Findings:	1 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	08/21/2002 00:00:00	Findings:	32.5 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	08/21/2002 00:00:00	Findings:	155 UNITS
Chemical:	COLOR		
Sample Collected:	08/21/2002 00:00:00	Findings:	376 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	08/21/2002 00:00:00	Findings:	8.76
Chemical:	PH, LABORATORY		
Sample Collected:	08/21/2002 00:00:00	Findings:	175.6 MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	08/21/2002 00:00:00	Findings:	175.6 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	08/21/2002 00:00:00	Findings:	.05 MG/L
Chemical:	PHOSPHATE, ORTHO		
Sample Collected:	08/21/2002 00:00:00	Findings:	4.57 MG/L
Chemical:	TOTAL ORGANIC CARBON (TOC)		
Sample Collected:	08/21/2002 00:00:00	Findings:	.03 MG/L
Chemical:	SULFIDE		
Sample Collected:	08/21/2002 00:00:00	Findings:	32.8 MG/L
Chemical:	HARDNESS (TOTAL) AS CaCO ₃		
Sample Collected:	08/21/2002 00:00:00	Findings:	12.3 MG/L
Chemical:	CALCIUM		
Sample Collected:	08/21/2002 00:00:00	Findings:	.5 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	08/21/2002 00:00:00	Findings:	87.7 MG/L
Chemical:	SODIUM		
Sample Collected:	08/21/2002 00:00:00	Findings:	6.66
Chemical:	SODIUM ABSORPTION RATIO		
Sample Collected:	08/21/2002 00:00:00	Findings:	2.9 MG/L
Chemical:	POTASSIUM		
Sample Collected:	08/21/2002 00:00:00	Findings:	16.1 MG/L
Chemical:	CHLORIDE		
Sample Collected:	08/21/2002 00:00:00	Findings:	.638 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	08/21/2002 00:00:00	Findings:	19.3 MG/L
Chemical:	SILICA		
Sample Collected:	08/21/2002 00:00:00	Findings:	248 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	08/21/2002 00:00:00	Findings:	.84
Chemical:	LANGELIER INDEX AT SOURCE TEMP.		
Sample Collected:	08/21/2002 00:00:00	Findings:	.472 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	08/21/2002 00:00:00	Findings:	12.5
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	09/12/2002 00:00:00	Findings:	.96 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	09/12/2002 00:00:00	Findings:	.62 PCI/L
Chemical:	GROSS BETA COUNTING ERROR		
Sample Collected:	10/02/2002 00:00:00	Findings:	.54 PCI/L
Chemical:	GROSS BETA COUNTING ERROR		
Sample Collected:	07/28/2004 00:00:00	Findings:	31 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	07/28/2004 00:00:00	Findings:	142 UNITS
Chemical:	COLOR		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	07/28/2004 00:00:00	Findings:	354 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	07/28/2004 00:00:00	Findings:	8.8
Chemical:	PH, LABORATORY		
Sample Collected:	07/28/2004 00:00:00	Findings:	.17 MG/L
Chemical:	PHOSPHATE, ORTHO		
Sample Collected:	07/28/2004 00:00:00	Findings:	5.08 MG/L
Chemical:	TOTAL ORGANIC CARBON (TOC)		
Sample Collected:	07/28/2004 00:00:00	Findings:	16.8 MG/L
Chemical:	HARDNESS (TOTAL) AS CaCO ₃		
Sample Collected:	07/28/2004 00:00:00	Findings:	6.2 MG/L
Chemical:	CALCIUM		
Sample Collected:	07/28/2004 00:00:00	Findings:	.32 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	07/28/2004 00:00:00	Findings:	85.8 MG/L
Chemical:	SODIUM		
Sample Collected:	07/28/2004 00:00:00	Findings:	9.07
Chemical:	SODIUM ABSORPTION RATIO		
Sample Collected:	07/28/2004 00:00:00	Findings:	.87 MG/L
Chemical:	POTASSIUM		
Sample Collected:	07/28/2004 00:00:00	Findings:	15.5 MG/L
Chemical:	CHLORIDE		
Sample Collected:	07/28/2004 00:00:00	Findings:	.68 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	07/28/2004 00:00:00	Findings:	17.2 MG/L
Chemical:	SILICA		
Sample Collected:	07/28/2004 00:00:00	Findings:	256 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	07/28/2004 00:00:00	Findings:	.09 MG/L
Chemical:	HYDROGEN SULFIDE		
Sample Collected:	07/28/2004 00:00:00	Findings:	.27 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	07/28/2004 00:00:00	Findings:	3 TON
Chemical:	ODOR THRESHOLD @ 60 C		
Sample Collected:	07/28/2004 00:00:00	Findings:	8.9
Chemical:	PH, LABORATORY		
Sample Collected:	07/28/2004 00:00:00	Findings:	164 MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO ₃		
Sample Collected:	07/28/2004 00:00:00	Findings:	196 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	07/28/2004 00:00:00	Findings:	5.4 MG/L
Chemical:	CALCIUM		
Sample Collected:	07/28/2004 00:00:00	Findings:	250 UG/L
Chemical:	BORON		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	07/28/2004 00:00:00	Findings:	4.3 UG/L
Chemical:	VANADIUM		
Sample Collected:	07/28/2004 00:00:00	Findings:	.48
Chemical:	LANGELIER INDEX @ 60 C		
Sample Collected:	08/26/2004 00:00:00	Findings:	8.88
Chemical:	PH, FIELD		
Sample Collected:	08/26/2004 00:00:00	Findings:	162 MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO3		
Sample Collected:	08/26/2004 00:00:00	Findings:	194 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	08/26/2004 00:00:00	Findings:	4.42 MG/L
Chemical:	CARBONATE ALKALINITY		
Sample Collected:	05/27/2005 00:00:00	Findings:	1.6 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	05/27/2005 00:00:00	Findings:	1.2 PCI/L
Chemical:	GROSS BETA COUNTING ERROR		
Sample Collected:	06/29/2005 00:00:00	Findings:	1.1 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	06/29/2005 00:00:00	Findings:	1 PCI/L
Chemical:	GROSS BETA COUNTING ERROR		
Sample Collected:	06/29/2005 00:00:00	Findings:	.53 PCI/L
Chemical:	RADIUM 228 COUNTING ERROR		
Sample Collected:	07/27/2005 00:00:00	Findings:	1.1 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	07/27/2005 00:00:00	Findings:	.99 PCI/L
Chemical:	GROSS BETA COUNTING ERROR		
Sample Collected:	08/25/2005 00:00:00	Findings:	1.3 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	08/25/2005 00:00:00	Findings:	1 PCI/L
Chemical:	GROSS BETA COUNTING ERROR		

**E20
SE
1/2 - 1 Mile
Lower**

CA WELLS 5341

Water System Information:

Prime Station Code:	04S/12W-28H12 S	User ID:	MET
FRDS Number:	1910065003	County:	Los Angeles
District Number:	15	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	334800.0 1180800.0	Precision:	Undefined
Source Name:	ALAMITOS WELL 13		
System Number:	1910065		
System Name:	LONG BEACH-CITY, WATER DEPT.		
Organization That Operates System:	1800 E WARDLOW ROAD LONG BEACH, CA 90807		
Pop Served:	424276	Connections:	85818
Area Served:	LONG BEACH		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	05/11/2001 00:00:00	Findings:	2 TON
Chemical:	ODOR THRESHOLD @ 60 C		
Sample Collected:	05/11/2001 00:00:00	Findings:	130 UG/L
Chemical:	BORON		
Sample Collected:	08/29/2001 00:00:00	Findings:	29.8 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	08/29/2001 00:00:00	Findings:	70 UNITS
Chemical:	COLOR		
Sample Collected:	08/29/2001 00:00:00	Findings:	324 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	08/29/2001 00:00:00	Findings:	8.89
Chemical:	PH, LABORATORY		
Sample Collected:	08/29/2001 00:00:00	Findings:	140.86 MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO3		
Sample Collected:	08/29/2001 00:00:00	Findings:	140.44 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	08/29/2001 00:00:00	Findings:	.42 MG/L
Chemical:	CARBONATE ALKALINITY		
Sample Collected:	08/29/2001 00:00:00	Findings:	3.15 MG/L
Chemical:	TOTAL ORGANIC CARBON (TOC)		
Sample Collected:	08/29/2001 00:00:00	Findings:	16.1 MG/L
Chemical:	HARDNESS (TOTAL) AS CaCO3		
Sample Collected:	08/29/2001 00:00:00	Findings:	5.61 MG/L
Chemical:	CALCIUM		
Sample Collected:	08/29/2001 00:00:00	Findings:	.51 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	08/29/2001 00:00:00	Findings:	73.07 MG/L
Chemical:	SODIUM		
Sample Collected:	08/29/2001 00:00:00	Findings:	7.92
Chemical:	SODIUM ABSORPTION RATIO		
Sample Collected:	08/29/2001 00:00:00	Findings:	1.47 MG/L
Chemical:	POTASSIUM		
Sample Collected:	08/29/2001 00:00:00	Findings:	15.1 MG/L
Chemical:	CHLORIDE		
Sample Collected:	08/29/2001 00:00:00	Findings:	.57 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	08/29/2001 00:00:00	Findings:	17.71 MG/L
Chemical:	SILICA		
Sample Collected:	08/29/2001 00:00:00	Findings:	207 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	08/29/2001 00:00:00	Findings:	.47
Chemical:	LANGELIER INDEX AT SOURCE TEMP.		
Sample Collected:	08/29/2001 00:00:00	Findings:	.13 MG/L
Chemical:	HYDROGEN SULFIDE		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	08/29/2001 00:00:00	Findings:	.24 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	08/29/2001 00:00:00	Findings:	.05 MG/L
Chemical:	BROMIDE		
Sample Collected:	08/29/2001 00:00:00	Findings:	12.17
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	08/29/2001 00:00:00	Findings:	580 MG/L
Chemical:	FLUORIDE (TREATMENT RELATED-DISTRIBUTION)		
Sample Collected:	09/20/2001 00:00:00	Findings:	120 UG/L
Chemical:	BORON		
Sample Collected:	07/03/2002 00:00:00	Findings:	.9 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	07/03/2002 00:00:00	Findings:	.7 PCI/L
Chemical:	GROSS BETA COUNTING ERROR		
Sample Collected:	08/07/2002 00:00:00	Findings:	.5 PCI/L
Chemical:	GROSS BETA COUNTING ERROR		
Sample Collected:	08/21/2002 00:00:00	Findings:	30 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	08/21/2002 00:00:00	Findings:	82 UNITS
Chemical:	COLOR		
Sample Collected:	08/21/2002 00:00:00	Findings:	318 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	08/21/2002 00:00:00	Findings:	8.88
Chemical:	PH, LABORATORY		
Sample Collected:	08/21/2002 00:00:00	Findings:	139.5 MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO3		
Sample Collected:	08/21/2002 00:00:00	Findings:	139 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	08/21/2002 00:00:00	Findings:	.5 MG/L
Chemical:	CARBONATE ALKALINITY		
Sample Collected:	08/21/2002 00:00:00	Findings:	.12 MG/L
Chemical:	PHOSPHATE, ORTHO		
Sample Collected:	08/21/2002 00:00:00	Findings:	2.9 MG/L
Chemical:	TOTAL ORGANIC CARBON (TOC)		
Sample Collected:	08/21/2002 00:00:00	Findings:	.22 MG/L
Chemical:	SULFIDE		
Sample Collected:	08/21/2002 00:00:00	Findings:	15.4 MG/L
Chemical:	HARDNESS (TOTAL) AS CaCO3		
Sample Collected:	08/21/2002 00:00:00	Findings:	5.26 MG/L
Chemical:	CALCIUM		
Sample Collected:	08/21/2002 00:00:00	Findings:	.56 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	08/21/2002 00:00:00	Findings:	70.9 MG/L
Chemical:	SODIUM		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	08/21/2002 00:00:00	Findings:	7.84
Chemical:	SODIUM ABSORPTION RATIO		
Sample Collected:	08/21/2002 00:00:00	Findings:	2.4 MG/L
Chemical:	POTASSIUM		
Sample Collected:	08/21/2002 00:00:00	Findings:	14.8 MG/L
Chemical:	CHLORIDE		
Sample Collected:	08/21/2002 00:00:00	Findings:	.59 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	08/21/2002 00:00:00	Findings:	18.3 MG/L
Chemical:	SILICA		
Sample Collected:	08/21/2002 00:00:00	Findings:	202 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	08/21/2002 00:00:00	Findings:	.45
Chemical:	LANGELIER INDEX AT SOURCE TEMP.		
Sample Collected:	08/21/2002 00:00:00	Findings:	.23 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	08/21/2002 00:00:00	Findings:	12.2
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	07/14/2004 00:00:00	Findings:	30 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	07/14/2004 00:00:00	Findings:	63 UNITS
Chemical:	COLOR		
Sample Collected:	07/14/2004 00:00:00	Findings:	317 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	07/14/2004 00:00:00	Findings:	8.96
Chemical:	PH, LABORATORY		
Sample Collected:	07/14/2004 00:00:00	Findings:	139.2 MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO ₃		
Sample Collected:	07/14/2004 00:00:00	Findings:	138.6 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	07/14/2004 00:00:00	Findings:	.5 MG/L
Chemical:	CARBONATE ALKALINITY		
Sample Collected:	07/14/2004 00:00:00	Findings:	.14 MG/L
Chemical:	PHOSPHATE, ORTHO		
Sample Collected:	07/14/2004 00:00:00	Findings:	3.37 MG/L
Chemical:	TOTAL ORGANIC CARBON (TOC)		
Sample Collected:	07/14/2004 00:00:00	Findings:	16.3 MG/L
Chemical:	HARDNESS (TOTAL) AS CaCO ₃		
Sample Collected:	07/14/2004 00:00:00	Findings:	5.81 MG/L
Chemical:	CALCIUM		
Sample Collected:	07/14/2004 00:00:00	Findings:	.43 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	07/14/2004 00:00:00	Findings:	67.6 MG/L
Chemical:	SODIUM		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	07/14/2004 00:00:00	Findings:	7.28
Chemical:	SODIUM ABSORPTION RATIO		
Sample Collected:	07/14/2004 00:00:00	Findings:	.63 MG/L
Chemical:	POTASSIUM		
Sample Collected:	07/14/2004 00:00:00	Findings:	14.6 MG/L
Chemical:	CHLORIDE		
Sample Collected:	07/14/2004 00:00:00	Findings:	.64 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	07/14/2004 00:00:00	Findings:	15.2 MG/L
Chemical:	SILICA		
Sample Collected:	07/14/2004 00:00:00	Findings:	202 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	07/14/2004 00:00:00	Findings:	.57
Chemical:	LANGELIER INDEX AT SOURCE TEMP.		
Sample Collected:	07/14/2004 00:00:00	Findings:	.24 MG/L
Chemical:	HYDROGEN SULFIDE		
Sample Collected:	07/14/2004 00:00:00	Findings:	.21 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	07/14/2004 00:00:00	Findings:	12.3
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	07/14/2004 00:00:00	Findings:	2 TON
Chemical:	ODOR THRESHOLD @ 60 C		
Sample Collected:	07/14/2004 00:00:00	Findings:	8.8
Chemical:	PH, LABORATORY		
Sample Collected:	07/14/2004 00:00:00	Findings:	130 MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO ₃		
Sample Collected:	07/14/2004 00:00:00	Findings:	156 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	07/14/2004 00:00:00	Findings:	5.5 MG/L
Chemical:	CALCIUM		
Sample Collected:	07/14/2004 00:00:00	Findings:	120 UG/L
Chemical:	BORON		
Sample Collected:	07/14/2004 00:00:00	Findings:	.29
Chemical:	LANGELIER INDEX @ 60 C		
Sample Collected:	05/25/2005 00:00:00	Findings:	1.3 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	05/25/2005 00:00:00	Findings:	1.1 PCI/L
Chemical:	GROSS BETA COUNTING ERROR		
Sample Collected:	06/22/2005 00:00:00	Findings:	1.1 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	06/22/2005 00:00:00	Findings:	1.1 PCI/L
Chemical:	GROSS BETA COUNTING ERROR		
Sample Collected:	06/22/2005 00:00:00	Findings:	.43 PCI/L
Chemical:	RADIUM 228 COUNTING ERROR		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	07/20/2005 00:00:00	Findings:	1.1 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	07/20/2005 00:00:00	Findings:	1.3 PCI/L
Chemical:	GROSS BETA COUNTING ERROR		
Sample Collected:	09/22/2005 00:00:00	Findings:	1.7 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	09/22/2005 00:00:00	Findings:	1.3 PCI/L
Chemical:	GROSS BETA COUNTING ERROR		

E21
SE
 1/2 - 1 Mile
 Lower

CA WELLS 5330

Water System Information:

Prime Station Code:	04S/12W-21J04 S	User ID:	MET
FRDS Number:	1910065009	County:	Los Angeles
District Number:	15	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Destroyed
Source Lat/Long:	334800.0 1180800.0	Precision:	Undefined
Source Name:	CITIZENS WELL 03-A - DESTROYED		
System Number:	1910065		
System Name:	LONG BEACH-CITY, WATER DEPT.		
Organization That Operates System:	1800 E WARDLOW ROAD LONG BEACH, CA 90807		
Pop Served:	424276	Connections:	85818
Area Served:	LONG BEACH		

E22
SE
 1/2 - 1 Mile
 Lower

CA WELLS 5339

Water System Information:

Prime Station Code:	04S/12W-28H01 S	User ID:	MET
FRDS Number:	1910065002	County:	Los Angeles
District Number:	15	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	334800.0 1180800.0	Precision:	Undefined
Source Name:	ALAMITOS WELL 09		
System Number:	1910065		
System Name:	LONG BEACH-CITY, WATER DEPT.		
Organization That Operates System:	1800 E WARDLOW ROAD LONG BEACH, CA 90807		
Pop Served:	424276	Connections:	85818
Area Served:	LONG BEACH		
Sample Collected:	08/07/2002 00:00:00	Findings:	.96 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	08/21/2002 00:00:00	Findings:	32.5 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	08/21/2002 00:00:00	Findings:	175 UNITS
Chemical:	COLOR		
Sample Collected:	08/21/2002 00:00:00	Findings:	368 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	08/21/2002 00:00:00	Findings:	8.84
Chemical:	PH, LABORATORY		
Sample Collected:	08/21/2002 00:00:00	Findings:	170.3 MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO ₃		
Sample Collected:	08/21/2002 00:00:00	Findings:	170 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	08/21/2002 00:00:00	Findings:	.3 MG/L
Chemical:	CARBONATE ALKALINITY		
Sample Collected:	08/21/2002 00:00:00	Findings:	.1 MG/L
Chemical:	PHOSPHATE, ORTHO		
Sample Collected:	08/21/2002 00:00:00	Findings:	4.2 MG/L
Chemical:	TOTAL ORGANIC CARBON (TOC)		
Sample Collected:	08/21/2002 00:00:00	Findings:	.05 MG/L
Chemical:	SULFIDE		
Sample Collected:	08/21/2002 00:00:00	Findings:	14.4 MG/L
Chemical:	HARDNESS (TOTAL) AS CaCO ₃		
Sample Collected:	08/21/2002 00:00:00	Findings:	4.89 MG/L
Chemical:	CALCIUM		
Sample Collected:	08/21/2002 00:00:00	Findings:	.52 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	08/21/2002 00:00:00	Findings:	85.7 MG/L
Chemical:	SODIUM		
Sample Collected:	08/21/2002 00:00:00	Findings:	9.83
Chemical:	SODIUM ABSORPTION RATIO		
Sample Collected:	08/21/2002 00:00:00	Findings:	2.8 MG/L
Chemical:	POTASSIUM		
Sample Collected:	08/21/2002 00:00:00	Findings:	15.8 MG/L
Chemical:	CHLORIDE		
Sample Collected:	08/21/2002 00:00:00	Findings:	.6 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	08/21/2002 00:00:00	Findings:	20 MG/L
Chemical:	SILICA		
Sample Collected:	08/21/2002 00:00:00	Findings:	243 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	08/21/2002 00:00:00	Findings:	.51
Chemical:	LANGELIER INDEX AT SOURCE TEMP.		
Sample Collected:	08/21/2002 00:00:00	Findings:	.636 NTU
Chemical:	TURBIDITY, LABORATORY		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	08/21/2002 00:00:00	Findings:	.13 MG/L
Chemical:	BROMIDE		
Sample Collected:	08/21/2002 00:00:00	Findings:	12.2
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	09/12/2002 00:00:00	Findings:	.86 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	10/02/2002 00:00:00	Findings:	.91 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	07/28/2004 00:00:00	Findings:	30 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	07/28/2004 00:00:00	Findings:	135 UNITS
Chemical:	COLOR		
Sample Collected:	07/28/2004 00:00:00	Findings:	337 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	07/28/2004 00:00:00	Findings:	8.84
Chemical:	PH, LABORATORY		
Sample Collected:	07/28/2004 00:00:00	Findings:	.17 MG/L
Chemical:	PHOSPHATE, ORTHO		
Sample Collected:	07/28/2004 00:00:00	Findings:	5.22 MG/L
Chemical:	TOTAL ORGANIC CARBON (TOC)		
Sample Collected:	07/28/2004 00:00:00	Findings:	15.4 MG/L
Chemical:	HARDNESS (TOTAL) AS CaCO ₃		
Sample Collected:	07/28/2004 00:00:00	Findings:	5.62 MG/L
Chemical:	CALCIUM		
Sample Collected:	07/28/2004 00:00:00	Findings:	.32 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	07/28/2004 00:00:00	Findings:	83.5 MG/L
Chemical:	SODIUM		
Sample Collected:	07/28/2004 00:00:00	Findings:	9.26
Chemical:	SODIUM ABSORPTION RATIO		
Sample Collected:	07/28/2004 00:00:00	Findings:	.82 MG/L
Chemical:	POTASSIUM		
Sample Collected:	07/28/2004 00:00:00	Findings:	15.2 MG/L
Chemical:	CHLORIDE		
Sample Collected:	07/28/2004 00:00:00	Findings:	.67 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	07/28/2004 00:00:00	Findings:	16.4 MG/L
Chemical:	SILICA		
Sample Collected:	07/28/2004 00:00:00	Findings:	244 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	07/28/2004 00:00:00	Findings:	.08 MG/L
Chemical:	HYDROGEN SULFIDE		
Sample Collected:	07/28/2004 00:00:00	Findings:	.22 NTU
Chemical:	TURBIDITY, LABORATORY		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	07/28/2004 00:00:00	Findings:	3 TON
Chemical:	ODOR THRESHOLD @ 60 C		
Sample Collected:	07/28/2004 00:00:00	Findings:	8.9
Chemical:	PH, LABORATORY		
Sample Collected:	07/28/2004 00:00:00	Findings:	157 MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO ₃		
Sample Collected:	07/28/2004 00:00:00	Findings:	188 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	07/28/2004 00:00:00	Findings:	4.8 MG/L
Chemical:	CALCIUM		
Sample Collected:	07/28/2004 00:00:00	Findings:	250 UG/L
Chemical:	BORON		
Sample Collected:	07/28/2004 00:00:00	Findings:	4.3 UG/L
Chemical:	VANADIUM		
Sample Collected:	07/28/2004 00:00:00	Findings:	.41
Chemical:	LANGELIER INDEX @ 60 C		
Sample Collected:	08/26/2004 00:00:00	Findings:	8.84
Chemical:	PH, FIELD		
Sample Collected:	08/26/2004 00:00:00	Findings:	159 MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO ₃		
Sample Collected:	08/26/2004 00:00:00	Findings:	190 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	08/26/2004 00:00:00	Findings:	3.97 MG/L
Chemical:	CARBONATE ALKALINITY		
Sample Collected:	05/27/2005 00:00:00	Findings:	1.2 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	05/27/2005 00:00:00	Findings:	1.1 PCI/L
Chemical:	GROSS BETA COUNTING ERROR		
Sample Collected:	06/29/2005 00:00:00	Findings:	1.4 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	06/29/2005 00:00:00	Findings:	1.3 PCI/L
Chemical:	GROSS BETA COUNTING ERROR		
Sample Collected:	06/29/2005 00:00:00	Findings:	.46 PCI/L
Chemical:	RADIUM 228 COUNTING ERROR		
Sample Collected:	07/27/2005 00:00:00	Findings:	1.2 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	07/27/2005 00:00:00	Findings:	1.1 PCI/L
Chemical:	GROSS BETA COUNTING ERROR		
Sample Collected:	08/25/2005 00:00:00	Findings:	1.9 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	08/25/2005 00:00:00	Findings:	1.2 PCI/L
Chemical:	GROSS BETA COUNTING ERROR		
Sample Collected:	06/28/2001 00:00:00	Findings:	250 UG/L
Chemical:	BORON		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	06/28/2001 00:00:00	Findings:	3.1 UG/L
Chemical:	VANADIUM		
Sample Collected:	06/28/2001 00:00:00	Findings:	2.2 UG/L
Chemical:	CHROMIUM (TOTAL CR-CRVI SCREEN)		
Sample Collected:	08/29/2001 00:00:00	Findings:	31.9 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	08/29/2001 00:00:00	Findings:	143 UNITS
Chemical:	COLOR		
Sample Collected:	08/29/2001 00:00:00	Findings:	375 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	08/29/2001 00:00:00	Findings:	8.82
Chemical:	PH, LABORATORY		
Sample Collected:	08/29/2001 00:00:00	Findings:	172.81 MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO ₃		
Sample Collected:	08/29/2001 00:00:00	Findings:	172.45 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	08/29/2001 00:00:00	Findings:	.36 MG/L
Chemical:	CARBONATE ALKALINITY		
Sample Collected:	08/29/2001 00:00:00	Findings:	5.12 MG/L
Chemical:	TOTAL ORGANIC CARBON (TOC)		
Sample Collected:	08/29/2001 00:00:00	Findings:	15.05 MG/L
Chemical:	HARDNESS (TOTAL) AS CaCO ₃		
Sample Collected:	08/29/2001 00:00:00	Findings:	5.26 MG/L
Chemical:	CALCIUM		
Sample Collected:	08/29/2001 00:00:00	Findings:	.46 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	08/29/2001 00:00:00	Findings:	87.16 MG/L
Chemical:	SODIUM		
Sample Collected:	08/29/2001 00:00:00	Findings:	9.78
Chemical:	SODIUM ABSORPTION RATIO		
Sample Collected:	08/29/2001 00:00:00	Findings:	1.31 MG/L
Chemical:	POTASSIUM		
Sample Collected:	08/29/2001 00:00:00	Findings:	16.09 MG/L
Chemical:	CHLORIDE		
Sample Collected:	08/29/2001 00:00:00	Findings:	.64 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	08/29/2001 00:00:00	Findings:	19.91 MG/L
Chemical:	SILICA		
Sample Collected:	08/29/2001 00:00:00	Findings:	250 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	08/29/2001 00:00:00	Findings:	.5
Chemical:	LANGELIER INDEX AT SOURCE TEMP.		
Sample Collected:	08/29/2001 00:00:00	Findings:	.03 MG/L
Chemical:	HYDROGEN SULFIDE		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	08/29/2001 00:00:00	Findings:	.47 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	08/29/2001 00:00:00	Findings:	.11 MG/L
Chemical:	BROMIDE		
Sample Collected:	08/29/2001 00:00:00	Findings:	12.17
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	08/29/2001 00:00:00	Findings:	628 MG/L
Chemical:	FLUORIDE (TREATMENT RELATED-DISTRIBUTION)		
Sample Collected:	09/20/2001 00:00:00	Findings:	220 UG/L
Chemical:	BORON		
Sample Collected:	07/05/2002 00:00:00	Findings:	.94 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		

**C23
NW
1/2 - 1 Mile
Higher**

CA WELLS 5333

Water System Information:

Prime Station Code:	04S/12W-21M07 S	User ID:	MET
FRDS Number:	1910065012	County:	Los Angeles
District Number:	15	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	334838.0 1180901.5	Precision:	1,000 Feet (10 Seconds)
Source Name:	CITIZENS WELL 07-A		
System Number:	1910065		
System Name:	LONG BEACH-CITY, WATER DEPT.		
Organization That Operates System:	1800 E WARDLOW ROAD LONG BEACH, CA 90807		
Pop Served:	424276	Connections:	85818
Area Served:	LONG BEACH		
Sample Collected:	05/10/2001 00:00:00	Findings:	170 UG/L
Chemical:	BORON		
Sample Collected:	05/10/2001 00:00:00	Findings:	130 UG/L
Chemical:	IRON		
Sample Collected:	05/10/2001 00:00:00	Findings:	72 UG/L
Chemical:	ALUMINUM		
Sample Collected:	05/24/2001 00:00:00	Findings:	2 TON
Chemical:	ODOR THRESHOLD @ 60 C		
Sample Collected:	08/29/2001 00:00:00	Findings:	27.5 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	08/29/2001 00:00:00	Findings:	56 UNITS
Chemical:	COLOR		
Sample Collected:	08/29/2001 00:00:00	Findings:	320 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	08/29/2001 00:00:00	Findings:	8.7
Chemical:	PH, LABORATORY		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	08/29/2001 00:00:00	Findings:	132.68 MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO ₃		
Sample Collected:	08/29/2001 00:00:00	Findings:	132.48 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	08/29/2001 00:00:00	Findings:	.2 MG/L
Chemical:	CARBONATE ALKALINITY		
Sample Collected:	08/29/2001 00:00:00	Findings:	2.85 MG/L
Chemical:	TOTAL ORGANIC CARBON (TOC)		
Sample Collected:	08/29/2001 00:00:00	Findings:	28.63 MG/L
Chemical:	HARDNESS (TOTAL) AS CaCO ₃		
Sample Collected:	08/29/2001 00:00:00	Findings:	10.08 MG/L
Chemical:	CALCIUM		
Sample Collected:	08/29/2001 00:00:00	Findings:	.84 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	08/29/2001 00:00:00	Findings:	67.06 MG/L
Chemical:	SODIUM		
Sample Collected:	08/29/2001 00:00:00	Findings:	5.5
Chemical:	SODIUM ABSORPTION RATIO		
Sample Collected:	08/29/2001 00:00:00	Findings:	1.62 MG/L
Chemical:	POTASSIUM		
Sample Collected:	08/29/2001 00:00:00	Findings:	16.22 MG/L
Chemical:	CHLORIDE		
Sample Collected:	08/29/2001 00:00:00	Findings:	.53 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	08/29/2001 00:00:00	Findings:	17.86 MG/L
Chemical:	SILICA		
Sample Collected:	08/29/2001 00:00:00	Findings:	10 UG/L
Chemical:	LITHIUM		
Sample Collected:	08/29/2001 00:00:00	Findings:	203 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	08/29/2001 00:00:00	Findings:	.49
Chemical:	LANGELIER INDEX AT SOURCE TEMP.		
Sample Collected:	08/29/2001 00:00:00	Findings:	.2 MG/L
Chemical:	HYDROGEN SULFIDE		
Sample Collected:	08/29/2001 00:00:00	Findings:	.22 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	08/29/2001 00:00:00	Findings:	.08 MG/L
Chemical:	BROMIDE		
Sample Collected:	08/29/2001 00:00:00	Findings:	12.24
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	08/29/2001 00:00:00	Findings:	529 MG/L
Chemical:	FLUORIDE (TREATMENT RELATED-DISTRIBUTION)		
Sample Collected:	07/03/2002 00:00:00	Findings:	.49 PCI/L
Chemical:	GROSS BETA COUNTING ERROR		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	08/21/2002 00:00:00	Findings:	27 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	08/21/2002 00:00:00	Findings:	48 UNITS
Chemical:	COLOR		
Sample Collected:	08/21/2002 00:00:00	Findings:	309 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	08/21/2002 00:00:00	Findings:	8.68
Chemical:	PH, LABORATORY		
Sample Collected:	08/21/2002 00:00:00	Findings:	127.4 MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO ₃		
Sample Collected:	08/21/2002 00:00:00	Findings:	127 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	08/21/2002 00:00:00	Findings:	.4 MG/L
Chemical:	CARBONATE ALKALINITY		
Sample Collected:	08/21/2002 00:00:00	Findings:	.07 MG/L
Chemical:	PHOSPHATE, ORTHO		
Sample Collected:	08/21/2002 00:00:00	Findings:	2.24 MG/L
Chemical:	TOTAL ORGANIC CARBON (TOC)		
Sample Collected:	08/21/2002 00:00:00	Findings:	.22 MG/L
Chemical:	SULFIDE		
Sample Collected:	08/21/2002 00:00:00	Findings:	28.2 MG/L
Chemical:	HARDNESS (TOTAL) AS CaCO ₃		
Sample Collected:	08/21/2002 00:00:00	Findings:	10.2 MG/L
Chemical:	CALCIUM		
Sample Collected:	08/21/2002 00:00:00	Findings:	.69 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	08/21/2002 00:00:00	Findings:	65 MG/L
Chemical:	SODIUM		
Sample Collected:	08/21/2002 00:00:00	Findings:	5.32
Chemical:	SODIUM ABSORPTION RATIO		
Sample Collected:	08/21/2002 00:00:00	Findings:	2.33 MG/L
Chemical:	POTASSIUM		
Sample Collected:	08/21/2002 00:00:00	Findings:	15.8 MG/L
Chemical:	CHLORIDE		
Sample Collected:	08/21/2002 00:00:00	Findings:	.55 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	08/21/2002 00:00:00	Findings:	17 MG/L
Chemical:	SILICA		
Sample Collected:	08/21/2002 00:00:00	Findings:	225 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	08/21/2002 00:00:00	Findings:	.42
Chemical:	LANGELIER INDEX AT SOURCE TEMP.		
Sample Collected:	08/21/2002 00:00:00	Findings:	.17 NTU
Chemical:	TURBIDITY, LABORATORY		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	08/21/2002 00:00:00	Findings:	12.2
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	10/02/2002 00:00:00	Findings:	.61 PCI/L
Chemical:	GROSS BETA COUNTING ERROR		
Sample Collected:	07/14/2004 00:00:00	Findings:	27.4 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	07/14/2004 00:00:00	Findings:	39 UNITS
Chemical:	COLOR		
Sample Collected:	07/14/2004 00:00:00	Findings:	300 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	07/14/2004 00:00:00	Findings:	8.77
Chemical:	PH, LABORATORY		
Sample Collected:	07/14/2004 00:00:00	Findings:	126 MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO3		
Sample Collected:	07/14/2004 00:00:00	Findings:	125.6 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	07/14/2004 00:00:00	Findings:	.4 MG/L
Chemical:	CARBONATE ALKALINITY		
Sample Collected:	07/14/2004 00:00:00	Findings:	2.59 MG/L
Chemical:	TOTAL ORGANIC CARBON (TOC)		
Sample Collected:	07/14/2004 00:00:00	Findings:	29.7 MG/L
Chemical:	HARDNESS (TOTAL) AS CaCO3		
Sample Collected:	07/14/2004 00:00:00	Findings:	10.7 MG/L
Chemical:	CALCIUM		
Sample Collected:	07/14/2004 00:00:00	Findings:	.7 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	07/14/2004 00:00:00	Findings:	58.4 MG/L
Chemical:	SODIUM		
Sample Collected:	07/14/2004 00:00:00	Findings:	4.67
Chemical:	SODIUM ABSORPTION RATIO		
Sample Collected:	07/14/2004 00:00:00	Findings:	.89 MG/L
Chemical:	POTASSIUM		
Sample Collected:	07/14/2004 00:00:00	Findings:	16 MG/L
Chemical:	CHLORIDE		
Sample Collected:	07/14/2004 00:00:00	Findings:	.6 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	07/14/2004 00:00:00	Findings:	14.7 MG/L
Chemical:	SILICA		
Sample Collected:	07/14/2004 00:00:00	Findings:	190 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	07/14/2004 00:00:00	Findings:	.55
Chemical:	LANGELIER INDEX AT SOURCE TEMP.		
Sample Collected:	07/14/2004 00:00:00	Findings:	.26 MG/L
Chemical:	HYDROGEN SULFIDE		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	07/14/2004 00:00:00	Findings:	.13 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	07/14/2004 00:00:00	Findings:	12.3
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	07/14/2004 00:00:00	Findings:	2 TON
Chemical:	ODOR THRESHOLD @ 60 C		
Sample Collected:	07/14/2004 00:00:00	Findings:	8.7
Chemical:	PH, LABORATORY		
Sample Collected:	07/14/2004 00:00:00	Findings:	118 MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO3		
Sample Collected:	07/14/2004 00:00:00	Findings:	142 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	07/14/2004 00:00:00	Findings:	10 MG/L
Chemical:	CALCIUM		
Sample Collected:	07/14/2004 00:00:00	Findings:	110 UG/L
Chemical:	BORON		
Sample Collected:	07/14/2004 00:00:00	Findings:	.41
Chemical:	LANGELIER INDEX @ 60 C		
Sample Collected:	05/25/2005 00:00:00	Findings:	1.1 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	05/25/2005 00:00:00	Findings:	1.2 PCI/L
Chemical:	GROSS BETA COUNTING ERROR		
Sample Collected:	06/29/2005 00:00:00	Findings:	1.2 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	06/29/2005 00:00:00	Findings:	1 PCI/L
Chemical:	GROSS BETA COUNTING ERROR		
Sample Collected:	06/29/2005 00:00:00	Findings:	.41 PCI/L
Chemical:	RADIUM 228 COUNTING ERROR		
Sample Collected:	07/20/2005 00:00:00	Findings:	1.2 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	07/20/2005 00:00:00	Findings:	1.3 PCI/L
Chemical:	GROSS BETA COUNTING ERROR		
Sample Collected:	09/22/2005 00:00:00	Findings:	1.3 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	09/22/2005 00:00:00	Findings:	1.1 PCI/L
Chemical:	GROSS BETA COUNTING ERROR		

**24
South
1/2 - 1 Mile
Higher**

Site ID:	908150198	AQUIFLOW	70520
Groundwater Flow:	Varies		
Shallow Water Depth:	38.25		
Deep Water Depth:	40.00		
Average Water Depth:	Not Reported		
Date:	05/1999		

**D25
SW
1/2 - 1 Mile
Higher**

Site ID:	908081125	AQUIFLOW	70530
Groundwater Flow:	Not Reported		
Shallow Water Depth:	Not Reported		
Deep Water Depth:	Not Reported		
Average Water Depth:	28		
Date:	11/29/1989		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

26
WNW
1/2 - 1 Mile
Higher

CA WELLS 5329

Water System Information:

Prime Station Code:	04S/12W-20K01 S	User ID:	MET
FRDS Number:	1910065043	County:	Los Angeles
District Number:	15	Station Type:	WELL/AMBNT/MUN/INTAKE
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	334836.0 1180912.0	Precision:	100 Feet (one Second)
Source Name:	CITIZENS WELL 10		
System Number:	1910065		
System Name:	LONG BEACH-CITY, WATER DEPT.		
Organization That Operates System:	1800 E WARDLOW ROAD LONG BEACH, CA 90807		

Pop Served:	424276	Connections:	85818
Area Served:	LONG BEACH		

Sample Collected:	07/14/2004 00:00:00	Findings:	.09 MG/L
Chemical:	HYDROGEN SULFIDE		
Sample Collected:	07/14/2004 00:00:00	Findings:	.2 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	07/14/2004 00:00:00	Findings:	.11 MG/L
Chemical:	BROMIDE		
Sample Collected:	07/14/2004 00:00:00	Findings:	12.3
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	07/14/2004 00:00:00	Findings:	2 TON
Chemical:	ODOR THRESHOLD @ 60 C		
Sample Collected:	07/14/2004 00:00:00	Findings:	8.7
Chemical:	PH, LABORATORY		
Sample Collected:	07/14/2004 00:00:00	Findings:	150 MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO3		
Sample Collected:	07/14/2004 00:00:00	Findings:	181 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	07/14/2004 00:00:00	Findings:	6.8 MG/L
Chemical:	CALCIUM		
Sample Collected:	07/14/2004 00:00:00	Findings:	190 UG/L
Chemical:	BORON		
Sample Collected:	07/14/2004 00:00:00	Findings:	3.9 UG/L
Chemical:	VANADIUM		
Sample Collected:	07/14/2004 00:00:00	Findings:	.34
Chemical:	LANGELIER INDEX @ 60 C		
Sample Collected:	05/25/2005 00:00:00	Findings:	.93 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	05/25/2005 00:00:00	Findings:	1.1 PCI/L
Chemical:	GROSS BETA COUNTING ERROR		
Sample Collected:	06/29/2005 00:00:00	Findings:	1.3 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	06/29/2005 00:00:00	Findings:	.92 PCI/L
Chemical:	GROSS BETA COUNTING ERROR		
Sample Collected:	06/29/2005 00:00:00	Findings:	.43 PCI/L
Chemical:	RADIUM 228 COUNTING ERROR		
Sample Collected:	07/20/2005 00:00:00	Findings:	1.2 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	07/20/2005 00:00:00	Findings:	1.2 PCI/L
Chemical:	GROSS BETA COUNTING ERROR		
Sample Collected:	09/22/2005 00:00:00	Findings:	1.1 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	09/22/2005 00:00:00	Findings:	1.2 PCI/L
Chemical:	GROSS BETA COUNTING ERROR		
Sample Collected:	05/10/2001 00:00:00	Findings:	160 UG/L
Chemical:	BORON		
Sample Collected:	08/29/2001 00:00:00	Findings:	27.8 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	08/29/2001 00:00:00	Findings:	106 UNITS
Chemical:	COLOR		
Sample Collected:	08/29/2001 00:00:00	Findings:	344 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	08/29/2001 00:00:00	Findings:	8.73
Chemical:	PH, LABORATORY		
Sample Collected:	08/29/2001 00:00:00	Findings:	148.92 MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO ₃		
Sample Collected:	08/29/2001 00:00:00	Findings:	148.68 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	08/29/2001 00:00:00	Findings:	.24 MG/L
Chemical:	CARBONATE ALKALINITY		
Sample Collected:	08/29/2001 00:00:00	Findings:	.08 UG/L
Chemical:	PHOSPHATE (AS PO ₄)		
Sample Collected:	08/29/2001 00:00:00	Findings:	4 MG/L
Chemical:	TOTAL ORGANIC CARBON (TOC)		
Sample Collected:	08/29/2001 00:00:00	Findings:	21.7 MG/L
Chemical:	HARDNESS (TOTAL) AS CaCO ₃		
Sample Collected:	08/29/2001 00:00:00	Findings:	7.57 MG/L
Chemical:	CALCIUM		
Sample Collected:	08/29/2001 00:00:00	Findings:	.68 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	08/29/2001 00:00:00	Findings:	76.15 MG/L
Chemical:	SODIUM		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	08/29/2001 00:00:00	Findings:	7.11
Chemical:	SODIUM ABSORPTION RATIO		
Sample Collected:	08/29/2001 00:00:00	Findings:	1.74 MG/L
Chemical:	POTASSIUM		
Sample Collected:	08/29/2001 00:00:00	Findings:	19.64 MG/L
Chemical:	CHLORIDE		
Sample Collected:	08/29/2001 00:00:00	Findings:	.6 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	08/29/2001 00:00:00	Findings:	18.46 MG/L
Chemical:	SILICA		
Sample Collected:	08/29/2001 00:00:00	Findings:	221 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	08/29/2001 00:00:00	Findings:	.42
Chemical:	LANGELIER INDEX AT SOURCE TEMP.		
Sample Collected:	08/29/2001 00:00:00	Findings:	.03 MG/L
Chemical:	HYDROGEN SULFIDE		
Sample Collected:	08/29/2001 00:00:00	Findings:	.29 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	08/29/2001 00:00:00	Findings:	.11 MG/L
Chemical:	BROMIDE		
Sample Collected:	08/29/2001 00:00:00	Findings:	12.17
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	08/29/2001 00:00:00	Findings:	556 MG/L
Chemical:	FLUORIDE (TREATMENT RELATED-DISTRIBUTION)		
Sample Collected:	09/20/2001 00:00:00	Findings:	150 UG/L
Chemical:	BORON		
Sample Collected:	07/03/2002 00:00:00	Findings:	.53 PCI/L
Chemical:	GROSS BETA COUNTING ERROR		
Sample Collected:	08/08/2002 00:00:00	Findings:	.57 PCI/L
Chemical:	GROSS BETA COUNTING ERROR		
Sample Collected:	08/21/2002 00:00:00	Findings:	27.4 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	08/21/2002 00:00:00	Findings:	119 UNITS
Chemical:	COLOR		
Sample Collected:	08/21/2002 00:00:00	Findings:	337 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	08/21/2002 00:00:00	Findings:	8.72
Chemical:	PH, LABORATORY		
Sample Collected:	08/21/2002 00:00:00	Findings:	148.1 MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO3		
Sample Collected:	08/21/2002 00:00:00	Findings:	148 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	08/21/2002 00:00:00	Findings:	.08 MG/L
Chemical:	PHOSPHATE, ORTHO		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	08/21/2002 00:00:00	Findings:	4 MG/L
Chemical:	TOTAL ORGANIC CARBON (TOC)		
Sample Collected:	08/21/2002 00:00:00	Findings:	.09 MG/L
Chemical:	SULFIDE		
Sample Collected:	08/21/2002 00:00:00	Findings:	21.3 MG/L
Chemical:	HARDNESS (TOTAL) AS CaCO ₃		
Sample Collected:	08/21/2002 00:00:00	Findings:	7.42 MG/L
Chemical:	CALCIUM		
Sample Collected:	08/21/2002 00:00:00	Findings:	.68 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	08/21/2002 00:00:00	Findings:	76 MG/L
Chemical:	SODIUM		
Sample Collected:	08/21/2002 00:00:00	Findings:	7.16
Chemical:	SODIUM ABSORPTION RATIO		
Sample Collected:	08/21/2002 00:00:00	Findings:	2.67 MG/L
Chemical:	POTASSIUM		
Sample Collected:	08/21/2002 00:00:00	Findings:	19.4 MG/L
Chemical:	CHLORIDE		
Sample Collected:	08/21/2002 00:00:00	Findings:	.57 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	08/21/2002 00:00:00	Findings:	18.1 MG/L
Chemical:	SILICA		
Sample Collected:	08/21/2002 00:00:00	Findings:	219 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	08/21/2002 00:00:00	Findings:	.4
Chemical:	LANGELIER INDEX AT SOURCE TEMP.		
Sample Collected:	08/21/2002 00:00:00	Findings:	.27 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	08/21/2002 00:00:00	Findings:	.06 MG/L
Chemical:	BROMIDE		
Sample Collected:	08/21/2002 00:00:00	Findings:	12.2
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	09/13/2002 00:00:00	Findings:	.61 PCI/L
Chemical:	GROSS BETA COUNTING ERROR		
Sample Collected:	07/14/2004 00:00:00	Findings:	29.7 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	07/14/2004 00:00:00	Findings:	104 UNITS
Chemical:	COLOR		
Sample Collected:	07/14/2004 00:00:00	Findings:	354 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	07/14/2004 00:00:00	Findings:	8.86
Chemical:	PH, LABORATORY		
Sample Collected:	07/14/2004 00:00:00	Findings:	159 MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO ₃		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	07/14/2004 00:00:00	Findings:	158.6 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	07/14/2004 00:00:00	Findings:	.4 MG/L
Chemical:	CARBONATE ALKALINITY		
Sample Collected:	07/14/2004 00:00:00	Findings:	.17 MG/L
Chemical:	PHOSPHATE, ORTHO		
Sample Collected:	07/14/2004 00:00:00	Findings:	4.63 MG/L
Chemical:	TOTAL ORGANIC CARBON (TOC)		
Sample Collected:	07/14/2004 00:00:00	Findings:	20.2 MG/L
Chemical:	HARDNESS (TOTAL) AS CaCO3		
Sample Collected:	07/14/2004 00:00:00	Findings:	7.19 MG/L
Chemical:	CALCIUM		
Sample Collected:	07/14/2004 00:00:00	Findings:	.55 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	07/14/2004 00:00:00	Findings:	75.5 MG/L
Chemical:	SODIUM		
Sample Collected:	07/14/2004 00:00:00	Findings:	7.3
Chemical:	SODIUM ABSORPTION RATIO		
Sample Collected:	07/14/2004 00:00:00	Findings:	.88 MG/L
Chemical:	POTASSIUM		
Sample Collected:	07/14/2004 00:00:00	Findings:	17.6 MG/L
Chemical:	CHLORIDE		
Sample Collected:	07/14/2004 00:00:00	Findings:	.66 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	07/14/2004 00:00:00	Findings:	16 MG/L
Chemical:	SILICA		
Sample Collected:	07/14/2004 00:00:00	Findings:	224 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	07/14/2004 00:00:00	Findings:	.61
Chemical:	LANGELIER INDEX AT SOURCE TEMP.		

**27
NNW
1/2 - 1 Mile
Higher**

CA WELLS 5328

Water System Information:

Prime Station Code:	04S/12W-20G01 S	User ID:	MET
FRDS Number:	1910065030	County:	Los Angeles
District Number:	15	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	334900.0 1180900.0	Precision:	Undefined
Source Name:	DEVELOPMENT WELL 05		
System Number:	1910065		
System Name:	LONG BEACH-CITY, WATER DEPT.		
Organization That Operates System:	1800 E WARDLOW ROAD LONG BEACH, CA 90807		
Pop Served:	424276	Connections:	85818
Area Served:	LONG BEACH		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	06/28/2001 00:00:00	Findings:	130 UG/L
Chemical:	BORON		
Sample Collected:	06/28/2001 00:00:00	Findings:	3 UG/L
Chemical:	CHROMIUM (TOTAL CR-CRVI SCREEN)		
Sample Collected:	09/21/2001 00:00:00	Findings:	110 UG/L
Chemical:	BORON		
Sample Collected:	07/03/2002 00:00:00	Findings:	.52 PCI/L
Chemical:	GROSS BETA COUNTING ERROR		
Sample Collected:	08/21/2002 00:00:00	Findings:	27.6 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	08/21/2002 00:00:00	Findings:	64 UNITS
Chemical:	COLOR		
Sample Collected:	08/21/2002 00:00:00	Findings:	335 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	08/21/2002 00:00:00	Findings:	8.49
Chemical:	PH, LABORATORY		
Sample Collected:	08/21/2002 00:00:00	Findings:	140.5 MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO ₃		
Sample Collected:	08/21/2002 00:00:00	Findings:	140 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	08/21/2002 00:00:00	Findings:	.5 MG/L
Chemical:	CARBONATE ALKALINITY		
Sample Collected:	08/21/2002 00:00:00	Findings:	.05 MG/L
Chemical:	PHOSPHATE, ORTHO		
Sample Collected:	08/21/2002 00:00:00	Findings:	2.99 MG/L
Chemical:	TOTAL ORGANIC CARBON (TOC)		
Sample Collected:	08/21/2002 00:00:00	Findings:	30.6 MG/L
Chemical:	HARDNESS (TOTAL) AS CaCO ₃		
Sample Collected:	08/21/2002 00:00:00	Findings:	11.2 MG/L
Chemical:	CALCIUM		
Sample Collected:	08/21/2002 00:00:00	Findings:	.65 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	08/21/2002 00:00:00	Findings:	66.8 MG/L
Chemical:	SODIUM		
Sample Collected:	08/21/2002 00:00:00	Findings:	5.25
Chemical:	SODIUM ABSORPTION RATIO		
Sample Collected:	08/21/2002 00:00:00	Findings:	2.48 MG/L
Chemical:	POTASSIUM		
Sample Collected:	08/21/2002 00:00:00	Findings:	24.2 MG/L
Chemical:	CHLORIDE		
Sample Collected:	08/21/2002 00:00:00	Findings:	.52 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	08/21/2002 00:00:00	Findings:	229 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	08/21/2002 00:00:00	Findings:	.32
Chemical:	LANGELIER INDEX AT SOURCE TEMP.		
Sample Collected:	08/21/2002 00:00:00	Findings:	.02 MG/L
Chemical:	HYDROGEN SULFIDE		
Sample Collected:	08/21/2002 00:00:00	Findings:	.24 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	08/21/2002 00:00:00	Findings:	.16 MG/L
Chemical:	BROMIDE		
Sample Collected:	08/21/2002 00:00:00	Findings:	12.1
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	09/12/2002 00:00:00	Findings:	.6 PCI/L
Chemical:	GROSS BETA COUNTING ERROR		
Sample Collected:	10/02/2002 00:00:00	Findings:	.68 PCI/L
Chemical:	GROSS BETA COUNTING ERROR		
Sample Collected:	07/28/2004 00:00:00	Findings:	27.2 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	07/28/2004 00:00:00	Findings:	57 UNITS
Chemical:	COLOR		
Sample Collected:	07/28/2004 00:00:00	Findings:	302 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	07/28/2004 00:00:00	Findings:	8.62
Chemical:	PH, LABORATORY		
Sample Collected:	07/28/2004 00:00:00	Findings:	.08 MG/L
Chemical:	PHOSPHATE, ORTHO		
Sample Collected:	07/28/2004 00:00:00	Findings:	3.5 MG/L
Chemical:	TOTAL ORGANIC CARBON (TOC)		
Sample Collected:	07/28/2004 00:00:00	Findings:	34.4 MG/L
Chemical:	HARDNESS (TOTAL) AS CaCO ₃		
Sample Collected:	07/28/2004 00:00:00	Findings:	15.1 MG/L
Chemical:	CALCIUM		
Sample Collected:	07/28/2004 00:00:00	Findings:	1.11 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	07/28/2004 00:00:00	Findings:	65.5 MG/L
Chemical:	SODIUM		
Sample Collected:	07/28/2004 00:00:00	Findings:	1.19 MG/L
Chemical:	POTASSIUM		
Sample Collected:	07/28/2004 00:00:00	Findings:	22.7 MG/L
Chemical:	CHLORIDE		
Sample Collected:	07/28/2004 00:00:00	Findings:	.55 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	07/28/2004 00:00:00	Findings:	17 MG/L
Chemical:	SILICA		
Sample Collected:	07/28/2004 00:00:00	Findings:	220 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	07/28/2004 00:00:00	Findings:	.024 MG/L
Chemical:	HYDROGEN SULFIDE		
Sample Collected:	07/28/2004 00:00:00	Findings:	.17 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	07/28/2004 00:00:00	Findings:	.14 MG/L
Chemical:	BROMIDE		
Sample Collected:	07/28/2004 00:00:00	Findings:	2 TON
Chemical:	ODOR THRESHOLD @ 60 C		
Sample Collected:	07/28/2004 00:00:00	Findings:	8.7
Chemical:	PH, LABORATORY		
Sample Collected:	07/28/2004 00:00:00	Findings:	130 MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO ₃		
Sample Collected:	07/28/2004 00:00:00	Findings:	156 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	07/28/2004 00:00:00	Findings:	12 MG/L
Chemical:	CALCIUM		
Sample Collected:	07/28/2004 00:00:00	Findings:	160 UG/L
Chemical:	BORON		
Sample Collected:	07/28/2004 00:00:00	Findings:	.53
Chemical:	LANGELIER INDEX @ 60 C		
Sample Collected:	08/26/2004 00:00:00	Findings:	8.62
Chemical:	PH, FIELD		
Sample Collected:	08/26/2004 00:00:00	Findings:	130 MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO ₃		
Sample Collected:	08/26/2004 00:00:00	Findings:	157 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	05/27/2005 00:00:00	Findings:	1.1 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	05/27/2005 00:00:00	Findings:	1.1 PCI/L
Chemical:	GROSS BETA COUNTING ERROR		
Sample Collected:	06/29/2005 00:00:00	Findings:	1.2 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	06/29/2005 00:00:00	Findings:	1.3 PCI/L
Chemical:	GROSS BETA COUNTING ERROR		
Sample Collected:	06/29/2005 00:00:00	Findings:	.39 PCI/L
Chemical:	RADIUM 228 COUNTING ERROR		
Sample Collected:	07/27/2005 00:00:00	Findings:	1.3 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	07/27/2005 00:00:00	Findings:	.99 PCI/L
Chemical:	GROSS BETA COUNTING ERROR		
Sample Collected:	07/27/2005 00:00:00	Findings:	3 TON
Chemical:	ODOR THRESHOLD @ 60 C		
Sample Collected:	07/27/2005 00:00:00	Findings:	8.6
Chemical:	PH, LABORATORY		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	07/27/2005 00:00:00	Findings:	133 MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO3		
Sample Collected:	07/27/2005 00:00:00	Findings:	160 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	07/27/2005 00:00:00	Findings:	11 MG/L
Chemical:	CALCIUM		
Sample Collected:	07/27/2005 00:00:00	Findings:	120 UG/L
Chemical:	BORON		
Sample Collected:	07/27/2005 00:00:00	Findings:	.4
Chemical:	LANGELIER INDEX @ 60 C		
Sample Collected:	08/25/2005 00:00:00	Findings:	1.4 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	08/25/2005 00:00:00	Findings:	1 PCI/L
Chemical:	GROSS BETA COUNTING ERROR		

F28
NNE
1/2 - 1 Mile
Higher

CA WELLS 5319

Water System Information:

Prime Station Code:	04S/12W-16J01 S	User ID:	MET
FRDS Number:	1910065004	County:	Los Angeles
District Number:	15	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Inactive Raw
Source Lat/Long:	334900.0 1180800.0	Precision:	Undefined
Source Name:	ANNEX WELL 026 - INACTIVE		
System Number:	1910065		
System Name:	LONG BEACH-CITY, WATER DEPT.		
Organization That Operates System:	1800 E WARDLOW ROAD LONG BEACH, CA 90807		
Pop Served:	424276	Connections:	85818
Area Served:	LONG BEACH		

F29
NNE
1/2 - 1 Mile
Higher

CA WELLS 5321

Water System Information:

Prime Station Code:	04S/12W-16R01 S	User ID:	MET
FRDS Number:	1910065013	County:	Los Angeles
District Number:	15	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	334900.0 1180800.0	Precision:	Undefined
Source Name:	CITIZENS WELL 08		
System Number:	1910065		
System Name:	LONG BEACH-CITY, WATER DEPT.		
Organization That Operates System:	1800 E WARDLOW ROAD LONG BEACH, CA 90807		
Pop Served:	424276	Connections:	85818
Area Served:	LONG BEACH		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	05/10/2001 00:00:00	Findings:	3.6 UG/L
Chemical:	ARSENIC		
Sample Collected:	08/29/2001 00:00:00	Findings:	23.9 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	08/29/2001 00:00:00	Findings:	11 UNITS
Chemical:	COLOR		
Sample Collected:	08/29/2001 00:00:00	Findings:	327 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	08/29/2001 00:00:00	Findings:	8.41
Chemical:	PH, LABORATORY		
Sample Collected:	08/29/2001 00:00:00	Findings:	133.12 MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO ₃		
Sample Collected:	08/29/2001 00:00:00	Findings:	133.08 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	08/29/2001 00:00:00	Findings:	.04 MG/L
Chemical:	CARBONATE ALKALINITY		
Sample Collected:	08/29/2001 00:00:00	Findings:	.38 MG/L
Chemical:	AMMONIA (NH ₃ -N)		
Sample Collected:	08/29/2001 00:00:00	Findings:	.93 MG/L
Chemical:	TOTAL ORGANIC CARBON (TOC)		
Sample Collected:	08/29/2001 00:00:00	Findings:	69.4 MG/L
Chemical:	HARDNESS (TOTAL) AS CaCO ₃		
Sample Collected:	08/29/2001 00:00:00	Findings:	23.67 MG/L
Chemical:	CALCIUM		
Sample Collected:	08/29/2001 00:00:00	Findings:	2.5 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	08/29/2001 00:00:00	Findings:	46.35 MG/L
Chemical:	SODIUM		
Sample Collected:	08/29/2001 00:00:00	Findings:	2.43
Chemical:	SODIUM ABSORPTION RATIO		
Sample Collected:	08/29/2001 00:00:00	Findings:	1.92 MG/L
Chemical:	POTASSIUM		
Sample Collected:	08/29/2001 00:00:00	Findings:	11.36 MG/L
Chemical:	CHLORIDE		
Sample Collected:	08/29/2001 00:00:00	Findings:	.33 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	08/29/2001 00:00:00	Findings:	20.13 MG/L
Chemical:	SILICA		
Sample Collected:	08/29/2001 00:00:00	Findings:	206 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	08/29/2001 00:00:00	Findings:	.47
Chemical:	LANGELIER INDEX AT SOURCE TEMP.		
Sample Collected:	08/29/2001 00:00:00	Findings:	.02 MG/L
Chemical:	HYDROGEN SULFIDE		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	08/29/2001 00:00:00	Findings:	.17 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	08/29/2001 00:00:00	Findings:	12.31
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	08/29/2001 00:00:00	Findings:	332 MG/L
Chemical:	FLUORIDE (TREATMENT RELATED-DISTRIBUTION)		
Sample Collected:	07/03/2002 00:00:00	Findings:	.6 PCI/L
Chemical:	GROSS BETA COUNTING ERROR		
Sample Collected:	08/08/2002 00:00:00	Findings:	.58 PCI/L
Chemical:	GROSS BETA COUNTING ERROR		
Sample Collected:	08/21/2002 00:00:00	Findings:	24 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	08/21/2002 00:00:00	Findings:	12 UNITS
Chemical:	COLOR		
Sample Collected:	08/21/2002 00:00:00	Findings:	324 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	08/21/2002 00:00:00	Findings:	8.43
Chemical:	PH, LABORATORY		
Sample Collected:	08/21/2002 00:00:00	Findings:	132.5 MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO ₃		
Sample Collected:	08/21/2002 00:00:00	Findings:	132 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	08/21/2002 00:00:00	Findings:	.5 MG/L
Chemical:	CARBONATE ALKALINITY		
Sample Collected:	08/21/2002 00:00:00	Findings:	.07 MG/L
Chemical:	PHOSPHATE, ORTHO		
Sample Collected:	08/21/2002 00:00:00	Findings:	.92 MG/L
Chemical:	TOTAL ORGANIC CARBON (TOC)		
Sample Collected:	08/21/2002 00:00:00	Findings:	.02 MG/L
Chemical:	SULFIDE		
Sample Collected:	08/21/2002 00:00:00	Findings:	63.5 MG/L
Chemical:	HARDNESS (TOTAL) AS CaCO ₃		
Sample Collected:	08/21/2002 00:00:00	Findings:	22.5 MG/L
Chemical:	CALCIUM		
Sample Collected:	08/21/2002 00:00:00	Findings:	1.75 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	08/21/2002 00:00:00	Findings:	47.3 MG/L
Chemical:	SODIUM		
Sample Collected:	08/21/2002 00:00:00	Findings:	2.58
Chemical:	SODIUM ABSORPTION RATIO		
Sample Collected:	08/21/2002 00:00:00	Findings:	2.45 MG/L
Chemical:	POTASSIUM		
Sample Collected:	08/21/2002 00:00:00	Findings:	11.5 MG/L
Chemical:	CHLORIDE		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	08/21/2002 00:00:00	Findings:	.34 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	08/21/2002 00:00:00	Findings:	19.8 MG/L
Chemical:	SILICA		
Sample Collected:	08/21/2002 00:00:00	Findings:	203 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	08/21/2002 00:00:00	Findings:	.47
Chemical:	LANGELIER INDEX AT SOURCE TEMP.		
Sample Collected:	08/21/2002 00:00:00	Findings:	.13 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	08/21/2002 00:00:00	Findings:	12.3
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	10/02/2002 00:00:00	Findings:	.6 PCI/L
Chemical:	GROSS BETA COUNTING ERROR		
Sample Collected:	10/16/2002 00:00:00	Findings:	3.5 UG/L
Chemical:	ARSENIC		
Sample Collected:	07/14/2004 00:00:00	Findings:	26 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	07/14/2004 00:00:00	Findings:	21 UNITS
Chemical:	COLOR		
Sample Collected:	07/14/2004 00:00:00	Findings:	301 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	07/14/2004 00:00:00	Findings:	8.68
Chemical:	PH, LABORATORY		
Sample Collected:	07/14/2004 00:00:00	Findings:	124 MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO3		
Sample Collected:	07/14/2004 00:00:00	Findings:	123.4 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	07/14/2004 00:00:00	Findings:	.3 MG/L
Chemical:	CARBONATE ALKALINITY		
Sample Collected:	07/14/2004 00:00:00	Findings:	1.63 MG/L
Chemical:	TOTAL ORGANIC CARBON (TOC)		
Sample Collected:	07/14/2004 00:00:00	Findings:	47.5 MG/L
Chemical:	HARDNESS (TOTAL) AS CaCO3		
Sample Collected:	07/14/2004 00:00:00	Findings:	16.8 MG/L
Chemical:	CALCIUM		
Sample Collected:	07/14/2004 00:00:00	Findings:	1.35 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	07/14/2004 00:00:00	Findings:	51.5 MG/L
Chemical:	SODIUM		
Sample Collected:	07/14/2004 00:00:00	Findings:	3.25
Chemical:	SODIUM ABSORPTION RATIO		
Sample Collected:	07/14/2004 00:00:00	Findings:	1.18 MG/L
Chemical:	POTASSIUM		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	07/14/2004 00:00:00	Findings:	16.7 MG/L
Chemical:	CHLORIDE		
Sample Collected:	07/14/2004 00:00:00	Findings:	.48 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	07/14/2004 00:00:00	Findings:	16.4 MG/L
Chemical:	SILICA		
Sample Collected:	07/14/2004 00:00:00	Findings:	191 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	07/14/2004 00:00:00	Findings:	.61
Chemical:	LANGELIER INDEX AT SOURCE TEMP.		
Sample Collected:	07/14/2004 00:00:00	Findings:	.16 MG/L
Chemical:	HYDROGEN SULFIDE		
Sample Collected:	07/14/2004 00:00:00	Findings:	.1 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	07/14/2004 00:00:00	Findings:	12.4
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	07/14/2004 00:00:00	Findings:	8.5
Chemical:	PH, LABORATORY		
Sample Collected:	07/14/2004 00:00:00	Findings:	115 MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO3		
Sample Collected:	07/14/2004 00:00:00	Findings:	139 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	07/14/2004 00:00:00	Findings:	16 MG/L
Chemical:	CALCIUM		
Sample Collected:	07/14/2004 00:00:00	Findings:	.4
Chemical:	LANGELIER INDEX @ 60 C		
Sample Collected:	05/27/2005 00:00:00	Findings:	.88 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	05/27/2005 00:00:00	Findings:	1.2 PCI/L
Chemical:	GROSS BETA COUNTING ERROR		
Sample Collected:	06/29/2005 00:00:00	Findings:	1.2 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	06/29/2005 00:00:00	Findings:	1.4 PCI/L
Chemical:	GROSS BETA COUNTING ERROR		
Sample Collected:	06/29/2005 00:00:00	Findings:	.44 PCI/L
Chemical:	RADIUM 228 COUNTING ERROR		
Sample Collected:	07/27/2005 00:00:00	Findings:	1.23 PCI/L
Chemical:	RADIUM 228		
Sample Collected:	07/27/2005 00:00:00	Findings:	.365 PCI/L
Chemical:	RADIUM 228 COUNTING ERROR		
Sample Collected:	07/27/2005 00:00:00	Findings:	1.2 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	07/27/2005 00:00:00	Findings:	1.1 PCI/L
Chemical:	GROSS BETA COUNTING ERROR		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	08/25/2005 00:00:00	Findings:	1.1 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	08/25/2005 00:00:00	Findings:	1 PCI/L
Chemical:	GROSS BETA COUNTING ERROR		
Sample Collected:	09/22/2005 00:00:00	Findings:	1.3 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	09/22/2005 00:00:00	Findings:	1.3 PCI/L
Chemical:	GROSS BETA COUNTING ERROR		

**30
NNW
1/2 - 1 Mile
Higher**

Site ID:	001032
Groundwater Flow:	Not Reported
Shallow Water Depth:	9.7
Deep Water Depth:	14
Average Water Depth:	Not Reported
Date:	06/15/1990

AQUIFLOW 68655

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction _____ Database _____ EDR ID Number _____
 Distance _____

North
1/2 - 1 Mile

OIL_GAS CA10015230

Apinumber:	03720633	Operator:	Amerada Petroleum Corp.
Lease:	Lakewood Community	Well no:	1
Field:	LOS ANGELES COUNTY	Cagaso m3 area:	Not Reported
Map:	W1-6	Status cod:	006
Source:	hud		
Latitude:	33.818701		
Longitude:	-118.138991		
Td:	10073	Sec:	16
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

West
1/2 - 1 Mile

OIL_GAS CA10013667

Apinumber:	03709652	Operator:	Grover Collins
Lease:	Grover Collins-Signal Refinery	Well no:	2
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	138	Status cod:	006
Source:	hud		
Latitude:	33.806648		
Longitude:	-118.158276		
Td:	0	Sec:	20
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

West
1/2 - 1 Mile

OIL_GAS CA10013646

Apinumber:	03709651	Operator:	Grover Collins
Lease:	Signal Refinery	Well no:	1
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	138	Status cod:	008
Source:	gps		
Latitude:	33.806547		
Longitude:	-118.158268		
Td:	0	Sec:	20
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction _____ Database _____ EDR ID Number _____
 Distance _____

West
1/2 - 1 Mile

OIL_GAS CA10013561

Apinumber:	03709963	Operator:	Herley-Callahan Operators
Lease:	Not Reported	Well no:	1
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	138	Status cod:	006
Source:	hud		
Latitude:	33.805947		
Longitude:	-118.158336		
Td:	0	Sec:	20
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

West
1/2 - 1 Mile

OIL_GAS CA10013559

Apinumber:	03709654	Operator:	Grover Collins
Lease:	City Of Long Beach	Well no:	2
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	006
Source:	hud		
Latitude:	33.805943		
Longitude:	-118.1574		
Td:	8500	Sec:	20
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

West
1/2 - 1 Mile

OIL_GAS CA10013546

Apinumber:	03709653	Operator:	Grover Collins
Lease:	City Of Long Beach	Well no:	1
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	014
Source:	hud		
Latitude:	33.805884		
Longitude:	-118.157487		
Td:	0	Sec:	20
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction _____ Database _____ EDR ID Number _____
 Distance _____

West
1/2 - 1 Mile

OIL_GAS CA10013443

Apinumber:	03706276	Operator:	ChevronTexaco
Lease:	Bixby (nct-1)	Well no:	2
Field:	LOS ANGELES COUNTY	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	006
Source:	hud		
Latitude:	33.805		
Longitude:	-118.152123		
Td:	12159	Sec:	20
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

West
0 - 1/8 Mile

OIL_GAS CA10013441

Apinumber:	03706275	Operator:	ChevronTexaco
Lease:	Bixby	Well no:	1
Field:	LOS ANGELES COUNTY	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	006
Source:	hud		
Latitude:	33.804992		
Longitude:	-118.143795		
Td:	12550	Sec:	21
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

WSW
0 - 1/8 Mile

OIL_GAS CA10013435

Apinumber:	03721075	Operator:	Occidental Petroleum Corp.
Lease:	Bixby	Well no:	1
Field:	LOS ANGELES COUNTY	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	007
Source:	hud		
Latitude:	33.804956		
Longitude:	-118.142973		
Td:	9497	Sec:	21
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction _____ Database _____ EDR ID Number _____
 Distance _____

ESE
0 - 1/8 Mile

OIL_GAS CA10013381

Apinumber:	03705877	Operator:	CalResources LLC
Lease:	Bixby	Well no:	100
Field:	LOS ANGELES COUNTY	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	006
Source:	hud		
Latitude:	33.804666		
Longitude:	-118.140476		
Td:	10507	Sec:	21
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

West
1/2 - 1 Mile

OIL_GAS CA10013191

Apinumber:	03710363	Operator:	Mobil Oil Corp.
Lease:	I.P.C.	Well no:	4
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	138	Status cod:	006
Source:	hud		
Latitude:	33.803404		
Longitude:	-118.158334		
Td:	0	Sec:	29
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

West
1/2 - 1 Mile

OIL_GAS CA10013142

Apinumber:	03709678	Operator:	Cooper Petroleum Co.
Lease:	Not Reported	Well no:	1
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	138	Status cod:	006
Source:	hud		
Latitude:	33.802966		
Longitude:	-118.158674		
Td:	0	Sec:	29
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction _____ Database _____ EDR ID Number _____
 Distance _____

WSW
1/2 - 1 Mile

OIL_GAS CA10013135

Apinumber:	03710586	Operator:	Edward Kline
Lease:	Not Reported	Well no:	51
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	004
Source:	hud		
Latitude:	33.802888		
Longitude:	-118.155821		
Td:	0	Sec:	29
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

West
1/2 - 1 Mile

OIL_GAS CA10013090

Apinumber:	03712145	Operator:	CalResources LLC
Lease:	Not Reported	Well no:	19-I2
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	138	Status cod:	c01
Source:	hud		
Latitude:	33.802668		
Longitude:	-118.1584		
Td:	0	Sec:	29
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

WSW
1/2 - 1 Mile

OIL_GAS CA10013016

Apinumber:	03710460	Operator:	Santa Cruz Island Co.
Lease:	Hart Lease	Well no:	2
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	014
Source:	hud		
Latitude:	33.802137		
Longitude:	-118.157059		
Td:	0	Sec:	29
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction _____ Database _____ EDR ID Number _____
 Distance _____

WSW
1/2 - 1 Mile

OIL_GAS CA10012964

Apinumber:	03709329	Operator:	Signal Hill Petroleum, Inc.
Lease:	Not Reported	Well no:	158
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	L03
Source:	gps		
Latitude:	33.801844		
Longitude:	-118.157368		
Td:	0	Sec:	29
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

WSW
1/2 - 1 Mile

OIL_GAS CA10012955

Apinumber:	03708880	Operator:	Atlantic Oil Co.
Lease:	Hart Community	Well no:	1
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	006
Source:	hud		
Latitude:	33.801771		
Longitude:	-118.155996		
Td:	10347	Sec:	29
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

WSW
1/2 - 1 Mile

OIL_GAS CA10012927

Apinumber:	03710464	Operator:	Santa Cruz Island Co.
Lease:	Hilton Lease	Well no:	2
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	014
Source:	hud		
Latitude:	33.80159		
Longitude:	-118.157795		
Td:	0	Sec:	29
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction _____ Database _____ EDR ID Number _____
 Distance _____

WSW
1/2 - 1 Mile

OIL_GAS CA10012894

Apinumber:	03711818	Operator:	Union Oil Co. of California
Lease:	Hart	Well no:	1
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	014
Source:	hud		
Latitude:	33.801334		
Longitude:	-118.157501		
Td:	0	Sec:	19
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

WSW
1/2 - 1 Mile

OIL_GAS CA10012871

Apinumber:	03710462	Operator:	Santa Cruz Island Co.
Lease:	Hilton	Well no:	4
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	014
Source:	hud		
Latitude:	33.801164		
Longitude:	-118.157173		
Td:	0	Sec:	29
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

WSW
1/2 - 1 Mile

OIL_GAS CA10012855

Apinumber:	03711819	Operator:	Union Oil Co. of California
Lease:	Hart	Well no:	3
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	014
Source:	hud		
Latitude:	33.801027		
Longitude:	-118.155783		
Td:	0	Sec:	19
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction _____ Database _____ EDR ID Number _____
 Distance _____

WSW **OIL_GAS** **CA10012854**
1/2 - 1 Mile

Apinumber:	03710463	Operator:	Santa Cruz Island Co.
Lease:	Hilton	Well no:	5
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	014
Source:	hud		
Latitude:	33.801019		
Longitude:	-118.157788		
Td:	0	Sec:	29
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

WSW **OIL_GAS** **CA10012843**
1/2 - 1 Mile

Apinumber:	03709237	Operator:	Signal Hill Petroleum, Inc.
Lease:	Hilton-Stanton	Well no:	1
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	008
Source:	gps		
Latitude:	33.800948		
Longitude:	-118.156985		
Td:	0	Sec:	29
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

WSW **OIL_GAS** **CA10012839**
1/2 - 1 Mile

Apinumber:	03710461	Operator:	Santa Cruz Island Co.
Lease:	Hilton	Well no:	1
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	006
Source:	hud		
Latitude:	33.800923		
Longitude:	-118.157685		
Td:	6446	Sec:	29
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction _____ Database _____ EDR ID Number _____
 Distance _____

WSW
1/2 - 1 Mile

OIL_GAS CA10012830

Apinumber:	03708948	Operator:	Signal Hill Petroleum, Inc.
Lease:	Not Reported	Well no:	157
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	L00
Source:	gps		
Latitude:	33.800802		
Longitude:	-118.157734		
Td:	0	Sec:	29
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

WSW
1/2 - 1 Mile

OIL_GAS CA10012827

Apinumber:	03708949	Operator:	Signal Hill Petroleum, Inc.
Lease:	Not Reported	Well no:	156
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	L00
Source:	gps		
Latitude:	33.800786		
Longitude:	-118.157184		
Td:	0	Sec:	29
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

WSW
1/2 - 1 Mile

OIL_GAS CA10012823

Apinumber:	03711218	Operator:	CalResources LLC
Lease:	Dolley	Well no:	2
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	014
Source:	hud		
Latitude:	33.800708		
Longitude:	-118.15458		
Td:	0	Sec:	29
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction _____ Database _____ EDR ID Number _____
 Distance _____

WSW
1/2 - 1 Mile

OIL_GAS CA10012804

Apinumber:	03711289	Operator:	Signal Hill Oil & Gas Co
Lease:	Not Reported	Well no:	1
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	006
Source:	hud		
Latitude:	33.800547		
Longitude:	-118.155134		
Td:	0	Sec:	29
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

WSW
1/2 - 1 Mile

OIL_GAS CA10012779

Apinumber:	03710987	Operator:	CalResources LLC
Lease:	Alamitos	Well no:	12
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	014
Source:	gps		
Latitude:	33.800327		
Longitude:	-118.156491		
Td:	0	Sec:	29
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

WSW
1/2 - 1 Mile

OIL_GAS CA10012772

Apinumber:	03710983	Operator:	Signal Hill Petroleum, Inc.
Lease:	Not Reported	Well no:	154
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	L01
Source:	gps		
Latitude:	33.800302		
Longitude:	-118.157439		
Td:	0	Sec:	29
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction _____ Database _____ EDR ID Number _____
 Distance _____

WSW
1/2 - 1 Mile

OIL_GAS CA10012767

Apinumber:	03711030	Operator:	Signal Hill Petroleum, Inc.
Lease:	Not Reported	Well no:	155
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	L00
Source:	gps		
Latitude:	33.80026		
Longitude:	-118.157659		
Td:	0	Sec:	29
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

WSW
1/2 - 1 Mile

OIL_GAS CA10012730

Apinumber:	03710459	Operator:	Santa Cruz Island Co.
Lease:	Dolley Lease	Well no:	1
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	014
Source:	hud		
Latitude:	33.800031		
Longitude:	-118.154992		
Td:	0	Sec:	29
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

WSW
1/2 - 1 Mile

OIL_GAS CA10012720

Apinumber:	03711029	Operator:	Signal Hill Petroleum, Inc.
Lease:	Not Reported	Well no:	153
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	L00
Source:	gps		
Latitude:	33.799991		
Longitude:	-118.15712		
Td:	0	Sec:	29
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction _____ Database _____ EDR ID Number _____
 Distance _____

WSW
1/2 - 1 Mile

OIL_GAS CA10012715

Apinumber:	03711217	Operator:	CalResources LLC
Lease:	Dolley	Well no:	1
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	006
Source:	hud		
Latitude:	33.79998		
Longitude:	-118.154667		
Td:	5305	Sec:	29
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

WSW
1/2 - 1 Mile

OIL_GAS CA10012667

Apinumber:	03710994	Operator:	CalResources LLC
Lease:	Alamitos	Well no:	20
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	014
Source:	gps		
Latitude:	33.799683		
Longitude:	-118.155599		
Td:	0	Sec:	29
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

WSW
1/2 - 1 Mile

OIL_GAS CA10012649

Apinumber:	03711024	Operator:	CalResources LLC
Lease:	Alamitos	Well no:	49
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	006
Source:	gps		
Latitude:	33.799583		
Longitude:	-118.156199		
Td:	5506	Sec:	29
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction _____ Database _____ EDR ID Number _____
 Distance _____

WSW
1/2 - 1 Mile

OIL_GAS CA10012640

Apinumber:	03711032	Operator:	Signal Hill Petroleum, Inc.
Lease:	Not Reported	Well no:	150
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	L01
Source:	gps		
Latitude:	33.799484		
Longitude:	-118.156556		
Td:	0	Sec:	29
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

WSW
1/2 - 1 Mile

OIL_GAS CA10012624

Apinumber:	03711025	Operator:	Signal Hill Petroleum, Inc.
Lease:	Alamitos	Well no:	49-A
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	008
Source:	gps		
Latitude:	33.79933		
Longitude:	-118.155864		
Td:	0	Sec:	29
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

SW
1/2 - 1 Mile

OIL_GAS CA10012620

Apinumber:	03711066	Operator:	CalResources LLC
Lease:	Bixby Fee	Well no:	1
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	006
Source:	hud		
Latitude:	33.799262		
Longitude:	-118.152406		
Td:	10565	Sec:	29
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction _____ Database _____ EDR ID Number _____
 Distance _____

WSW **OIL_GAS** **CA10012598**
1/2 - 1 Mile

Apinumber:	03710995	Operator:	CalResources LLC
Lease:	Alamitos	Well no:	21
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	014
Source:	gps		
Latitude:	33.799083		
Longitude:	-118.154799		
Td:	0	Sec:	29
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

WSW **OIL_GAS** **CA10012592**
1/2 - 1 Mile

Apinumber:	03711063	Operator:	CalResources LLC
Lease:	Bixby	Well no:	1
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	014
Source:	hud		
Latitude:	33.799008		
Longitude:	-118.153357		
Td:	0	Sec:	29
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

SW **OIL_GAS** **CA10012568**
1/2 - 1 Mile

Apinumber:	03711064	Operator:	CalResources LLC
Lease:	Bixby	Well no:	2
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	014
Source:	hud		
Latitude:	33.79881		
Longitude:	-118.151574		
Td:	0	Sec:	29
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction _____ Database _____ EDR ID Number _____
 Distance _____

WSW
1/2 - 1 Mile

OIL_GAS CA10012567

Apinumber:	03710992	Operator:	Signal Hill Petroleum, Inc.
Lease:	Not Reported	Well no:	946
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	L01
Source:	gps		
Latitude:	33.798783		
Longitude:	-118.156299		
Td:	0	Sec:	29
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

SW
1/2 - 1 Mile

OIL_GAS CA10012518

Apinumber:	03709673	Operator:	Continental Properties, Inc.
Lease:	Bixby	Well no:	1
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	014
Source:	hud		
Latitude:	33.79843		
Longitude:	-118.152639		
Td:	0	Sec:	29
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

WSW
1/2 - 1 Mile

OIL_GAS CA10012511

Apinumber:	03711020	Operator:	Signal Hill Petroleum, Inc.
Lease:	Not Reported	Well no:	147
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	L00
Source:	gps		
Latitude:	33.798388		
Longitude:	-118.156817		
Td:	0	Sec:	29
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction _____ Database _____ EDR ID Number _____
 Distance _____

SW **OIL_GAS** **CA10012498**
1/2 - 1 Mile

Apinumber:	03711065	Operator:	CalResources LLC
Lease:	Bixby	Well no:	3
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	014
Source:	hud		
Latitude:	33.798271		
Longitude:	-118.152281		
Td:	0	Sec:	29
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

WSW **OIL_GAS** **CA10012484**
1/2 - 1 Mile

Apinumber:	03711033	Operator:	Signal Hill Petroleum, Inc.
Lease:	Not Reported	Well no:	144
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	L03
Source:	gps		
Latitude:	33.798216		
Longitude:	-118.15641		
Td:	0	Sec:	29
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

WSW **OIL_GAS** **CA10012465**
1/2 - 1 Mile

Apinumber:	03710991	Operator:	ARCO Western Energy
Lease:	Not Reported	Well no:	126
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	L13
Source:	gps		
Latitude:	33.798083		
Longitude:	-118.154899		
Td:	0	Sec:	29
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction _____ Database _____ EDR ID Number _____
 Distance _____

WSW
1/2 - 1 Mile

OIL_GAS CA10012412

Apinumber:	03711026	Operator:	Signal Hill Petroleum, Inc.
Lease:	Alamitos	Well no:	50
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	008
Source:	gps		
Latitude:	33.797724		
Longitude:	-118.155932		
Td:	0	Sec:	29
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

SW
1/2 - 1 Mile

OIL_GAS CA10012378

Apinumber:	03711035	Operator:	Signal Hill Petroleum, Inc.
Lease:	Not Reported	Well no:	127
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	L03
Source:	gps		
Latitude:	33.797386		
Longitude:	-118.155032		
Td:	0	Sec:	29
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

SW
1/2 - 1 Mile

OIL_GAS CA10012370

Apinumber:	03700405	Operator:	Signal Hill Petroleum, Inc.
Lease:	Not Reported	Well no:	128
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	L03
Source:	gps		
Latitude:	33.797263		
Longitude:	-118.155433		
Td:	0	Sec:	29
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction _____ Database _____ EDR ID Number _____
 Distance _____

SW
1/2 - 1 Mile

OIL_GAS CA10012329

Apinumber:	03710990	Operator:	ARCO Western Energy
Lease:	Not Reported	Well no:	104
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	L01
Source:	gps		
Latitude:	33.79692		
Longitude:	-118.15398		
Td:	0	Sec:	29
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

SW
1/2 - 1 Mile

OIL_GAS CA10012317

Apinumber:	03711027	Operator:	Signal Hill Petroleum, Inc.
Lease:	Not Reported	Well no:	105
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	L03
Source:	gps		
Latitude:	33.796729		
Longitude:	-118.153996		
Td:	0	Sec:	29
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

SW
1/2 - 1 Mile

OIL_GAS CA10012300

Apinumber:	03710976	Operator:	ARCO Western Energy
Lease:	Not Reported	Well no:	122
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	L01
Source:	gps		
Latitude:	33.796551		
Longitude:	-118.155406		
Td:	0	Sec:	29
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction _____ Database _____ EDR ID Number _____
 Distance _____

SW
1/2 - 1 Mile

OIL_GAS CA10012259

Apinumber:	03711009	Operator:	Signal Hill Petroleum, Inc.
Lease:	Not Reported	Well no:	106
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	L03
Source:	gps		
Latitude:	33.796127		
Longitude:	-118.154545		
Td:	0	Sec:	29
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

SW
1/2 - 1 Mile

OIL_GAS CA10012248

Apinumber:	03710989	Operator:	ARCO Western Energy
Lease:	Not Reported	Well no:	99
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	L01
Source:	gps		
Latitude:	33.795962		
Longitude:	-118.153976		
Td:	0	Sec:	29
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

SSW
1/2 - 1 Mile

OIL_GAS CA10012208

Apinumber:	03710353	Operator:	Mobil Oil Corp.
Lease:	Bixby	Well no:	1
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	014
Source:	hud		
Latitude:	33.795556		
Longitude:	-118.148499		
Td:	0	Sec:	28
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction _____ Database _____ EDR ID Number _____
 Distance _____

SW
1/2 - 1 Mile

OIL_GAS CA10012196

Apinumber:	03711013	Operator:	Signal Hill Petroleum, Inc.
Lease:	Not Reported	Well no:	73
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	L00
Source:	gps		
Latitude:	33.795437		
Longitude:	-118.152795		
Td:	0	Sec:	29
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

SW
1/2 - 1 Mile

OIL_GAS CA10012195

Apinumber:	03711036	Operator:	Signal Hill Petroleum, Inc.
Lease:	Not Reported	Well no:	61
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	L03
Source:	gps		
Latitude:	33.795433		
Longitude:	-118.151979		
Td:	0	Sec:	29
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

SW
1/2 - 1 Mile

OIL_GAS CA10012191

Apinumber:	03711037	Operator:	Signal Hill Petroleum, Inc.
Lease:	Not Reported	Well no:	83
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	L00
Source:	gps		
Latitude:	33.795423		
Longitude:	-118.153195		
Td:	0	Sec:	29
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction _____ Database _____ EDR ID Number _____
 Distance _____

SW **OIL_GAS** **CA10012189**
1/2 - 1 Mile

Apinumber:	03711003	Operator:	Signal Hill Petroleum, Inc.
Lease:	Not Reported	Well no:	93
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	L03
Source:	gps		
Latitude:	33.795411		
Longitude:	-118.154045		
Td:	0	Sec:	29
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

SW **OIL_GAS** **CA10012184**
1/2 - 1 Mile

Apinumber:	03711034	Operator:	Signal Hill Petroleum, Inc.
Lease:	Alamitos	Well no:	58
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	008
Source:	gps		
Latitude:	33.795354		
Longitude:	-118.15191		
Td:	0	Sec:	29
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

SW **OIL_GAS** **CA10012176**
1/2 - 1 Mile

Apinumber:	03711031	Operator:	Signal Hill Petroleum, Inc.
Lease:	Not Reported	Well no:	84
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	L03
Source:	gps		
Latitude:	33.795311		
Longitude:	-118.153348		
Td:	0	Sec:	29
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction _____ Database _____ EDR ID Number _____
 Distance _____

SW
1/2 - 1 Mile

OIL_GAS CA10012167

Apinumber:	03711038	Operator:	Signal Hill Petroleum, Inc.
Lease:	Not Reported	Well no:	62
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	L03
Source:	gps		
Latitude:	33.795181		
Longitude:	-118.152		
Td:	0	Sec:	29
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

SSW
1/2 - 1 Mile

OIL_GAS CA10012160

Apinumber:	03710354	Operator:	Mobil Oil Corp.
Lease:	Bixby	Well no:	2
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	014
Source:	hud		
Latitude:	33.795147		
Longitude:	-118.147648		
Td:	0	Sec:	28
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

SW
1/2 - 1 Mile

OIL_GAS CA10012142

Apinumber:	03711491	Operator:	Signal Hill Petroleum, Inc.
Lease:	Not Reported	Well no:	85
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	L01
Source:	hud		
Latitude:	33.79509		
Longitude:	-118.153933		
Td:	0	Sec:	29
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction _____ Database _____ EDR ID Number _____
 Distance _____

SW
1/2 - 1 Mile

OIL_GAS CA10012139

Apinumber:	03710996	Operator:	Signal Hill Petroleum, Inc.
Lease:	Not Reported	Well no:	960
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	L03
Source:	gps		
Latitude:	33.795042		
Longitude:	-118.151454		
Td:	0	Sec:	29
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

SSW
1/2 - 1 Mile

OIL_GAS CA10012119

Apinumber:	03709391	Operator:	Dumm Bros. Petroleum Corp.
Lease:	Not Reported	Well no:	12
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	014
Source:	hud		
Latitude:	33.794812		
Longitude:	-118.147626		
Td:	0	Sec:	28
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

SSW
1/2 - 1 Mile

OIL_GAS CA10012114

Apinumber:	03710984	Operator:	CalResources LLC
Lease:	Alamitos	Well no:	10
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	004
Source:	hud		
Latitude:	33.794773		
Longitude:	-118.148926		
Td:	0	Sec:	28
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction _____ Database _____ EDR ID Number _____
 Distance _____

SSW
1/2 - 1 Mile

OIL_GAS CA10012104

Apinumber:	03710985	Operator:	CalResources LLC
Lease:	Alamitos	Well no:	10-A
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	014
Source:	hud		
Latitude:	33.794684		
Longitude:	-118.148916		
Td:	0	Sec:	28
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

SW
1/2 - 1 Mile

OIL_GAS CA10012102

Apinumber:	03710982	Operator:	Signal Hill Petroleum, Inc.
Lease:	Not Reported	Well no:	74
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	L03
Source:	gps		
Latitude:	33.794668		
Longitude:	-118.153331		
Td:	0	Sec:	29
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

SW
1/2 - 1 Mile

OIL_GAS CA10012097

Apinumber:	03711011	Operator:	Signal Hill Petroleum, Inc.
Lease:	Not Reported	Well no:	63
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	L00
Source:	gps		
Latitude:	33.79463		
Longitude:	-118.15237		
Td:	0	Sec:	29
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction _____ Database _____ EDR ID Number _____
 Distance _____

SW **OIL_GAS** **CA10012088**
1/2 - 1 Mile

Apinumber:	03711012	Operator:	Signal Hill Petroleum, Inc.
Lease:	Not Reported	Well no:	953
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	L03
Source:	gps		
Latitude:	33.794555		
Longitude:	-118.151218		
Td:	0	Sec:	29
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

SSW **OIL_GAS** **CA10012067**
1/2 - 1 Mile

Apinumber:	03725198	Operator:	CalResources LLC
Lease:	Hathaway Core Hole	Well no:	A
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	006
Source:	hud		
Latitude:	33.794387		
Longitude:	-118.146655		
Td:	0	Sec:	28
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	?	District:	1

SSW **OIL_GAS** **CA10012063**
1/2 - 1 Mile

Apinumber:	03711021	Operator:	CalResources LLC
Lease:	Alamitos	Well no:	47
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	014
Source:	hud		
Latitude:	33.794326		
Longitude:	-118.147998		
Td:	0	Sec:	28
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction _____ Database _____ EDR ID Number _____
 Distance _____

SSW
1/2 - 1 Mile

OIL_GAS CA10012060

Apinumber:	03710619	Operator:	Estate of Kenneth Mills
Lease:	Bixby	Well no:	11
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	014
Source:	hud		
Latitude:	33.794287		
Longitude:	-118.146909		
Td:	0	Sec:	28
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

SW
1/2 - 1 Mile

OIL_GAS CA10012059

Apinumber:	03711022	Operator:	CalResources LLC
Lease:	Alamitos	Well no:	48
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	006
Source:	hud		
Latitude:	33.794266		
Longitude:	-118.152399		
Td:	5678	Sec:	29
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

SW
1/2 - 1 Mile

OIL_GAS CA10012054

Apinumber:	03711023	Operator:	Signal Hill Petroleum, Inc.
Lease:	Not Reported	Well no:	64
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	L00
Source:	gps		
Latitude:	33.794203		
Longitude:	-118.152583		
Td:	0	Sec:	29
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction _____ Database _____ EDR ID Number _____
 Distance _____

SSW
1/2 - 1 Mile

OIL_GAS CA10012041

Apinumber:	03711263	Operator:	CalResources LLC
Lease:	Hathaway	Well no:	1
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	006
Source:	hud		
Latitude:	33.794083		
Longitude:	-118.145025		
Td:	6400	Sec:	28
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

SW
1/2 - 1 Mile

OIL_GAS CA10012026

Apinumber:	03710986	Operator:	Signal Hill Petroleum, Inc.
Lease:	Not Reported	Well no:	45
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	L01
Source:	hud		
Latitude:	33.793867		
Longitude:	-118.151053		
Td:	0	Sec:	29
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

SW
1/2 - 1 Mile

OIL_GAS CA10012022

Apinumber:	03711000	Operator:	Signal Hill Petroleum, Inc.
Lease:	Not Reported	Well no:	46
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	L00
Source:	gps		
Latitude:	33.793826		
Longitude:	-118.151369		
Td:	0	Sec:	29
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction _____ Database _____ EDR ID Number _____
 Distance _____

SW
1/2 - 1 Mile

OIL_GAS CA10012020

Apinumber:	03710988	Operator:	Signal Hill Petroleum, Inc.
Lease:	Not Reported	Well no:	54
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	L00
Source:	gps		
Latitude:	33.793821		
Longitude:	-118.15218		
Td:	0	Sec:	29
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

SSW
1/2 - 1 Mile

OIL_GAS CA10012017

Apinumber:	03710993	Operator:	Signal Hill Petroleum, Inc.
Lease:	Not Reported	Well no:	36
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	L13
Source:	hud		
Latitude:	33.793816		
Longitude:	-118.149642		
Td:	0	Sec:	28
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

SSW
1/2 - 1 Mile

OIL_GAS CA10012003

Apinumber:	03711008	Operator:	Signal Hill Petroleum, Inc.
Lease:	Not Reported	Well no:	37
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	L03
Source:	gps		
Latitude:	33.793734		
Longitude:	-118.150036		
Td:	0	Sec:	28
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction _____ Database _____ EDR ID Number _____
 Distance _____

SSW **OIL_GAS** **CA10011995**
1/2 - 1 Mile

Apinumber:	03711010	Operator:	Signal Hill Petroleum, Inc.
Lease:	Not Reported	Well no:	930
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	L00
Source:	gps		
Latitude:	33.793629		
Longitude:	-118.149058		
Td:	0	Sec:	28
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

SSW **OIL_GAS** **CA10011958**
1/2 - 1 Mile

Apinumber:	03708403	Operator:	Signal Hill Petroleum, Inc.
Lease:	Not Reported	Well no:	925
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	L03
Source:	gps		
Latitude:	33.793209		
Longitude:	-118.149303		
Td:	0	Sec:	28
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

SSW **OIL_GAS** **CA10011957**
1/2 - 1 Mile

Apinumber:	03711014	Operator:	CalResources LLC
Lease:	Alamitos	Well no:	40
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	014
Source:	hud		
Latitude:	33.793201		
Longitude:	-118.147985		
Td:	0	Sec:	28
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction _____ Database _____ EDR ID Number _____
 Distance _____

SSW **OIL_GAS** **CA10011956**
1/2 - 1 Mile

Apinumber:	03708402	Operator:	Signal Hill Petroleum, Inc.
Lease:	Not Reported	Well no:	38
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	L03
Source:	gps		
Latitude:	33.793194		
Longitude:	-118.150273		
Td:	0	Sec:	28
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

SSW **OIL_GAS** **CA10011949**
1/2 - 1 Mile

Apinumber:	03708468	Operator:	ARCO Western Energy
Lease:	City	Well no:	B-2
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	006
Source:	hud		
Latitude:	33.793146		
Longitude:	-118.150646		
Td:	3740	Sec:	29
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

SSW **OIL_GAS** **CA10011944**
1/2 - 1 Mile

Apinumber:	03708469	Operator:	ARCO Western Energy
Lease:	City	Well no:	B-2-A
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	014
Source:	hud		
Latitude:	33.793077		
Longitude:	-118.150707		
Td:	0	Sec:	29
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction _____ Database _____ EDR ID Number _____
 Distance _____

SSW **OIL_GAS** **CA10011940**
1/2 - 1 Mile

Apinumber:	03708470	Operator:	Signal Hill Petroleum, Inc.
Lease:	Not Reported	Well no:	26
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	L01
Source:	hud		
Latitude:	33.793033		
Longitude:	-118.14973		
Td:	0	Sec:	28
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

SSW **OIL_GAS** **CA10011918**
1/2 - 1 Mile

Apinumber:	03708405	Operator:	Signal Hill Petroleum, Inc.
Lease:	Not Reported	Well no:	20
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	L00
Source:	gps		
Latitude:	33.792741		
Longitude:	-118.148523		
Td:	0	Sec:	28
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

SSW **OIL_GAS** **CA10011916**
1/2 - 1 Mile

Apinumber:	03711019	Operator:	CalResources LLC
Lease:	Alamitos	Well no:	45
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	014
Source:	hud		
Latitude:	33.792733		
Longitude:	-118.147203		
Td:	0	Sec:	28
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction _____ Database _____ EDR ID Number _____
 Distance _____

SSW **OIL_GAS** **CA10011914**
1/2 - 1 Mile

Apinumber:	03725199	Operator:	CalResources LLC
Lease:	Hathaway Core Hole	Well no:	C
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	006
Source:	hud		
Latitude:	33.792725		
Longitude:	-118.145762		
Td:	0	Sec:	28
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	?	District:	1

SSW **OIL_GAS** **CA10011912**
1/2 - 1 Mile

Apinumber:	03708404	Operator:	Signal Hill Petroleum, Inc.
Lease:	Not Reported	Well no:	15
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	L00
Source:	gps		
Latitude:	33.792701		
Longitude:	-118.148422		
Td:	0	Sec:	28
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

SSW **OIL_GAS** **CA10011903**
1/2 - 1 Mile

Apinumber:	03708474	Operator:	Signal Hill Petroleum, Inc.
Lease:	Not Reported	Well no:	16
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	L01
Source:	gps		
Latitude:	33.792567		
Longitude:	-118.148583		
Td:	0	Sec:	28
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction _____ Database _____ EDR ID Number _____
 Distance _____

SSW
1/2 - 1 Mile

OIL_GAS CA10011895

Apinumber:	03708406	Operator:	Signal Hill Petroleum, Inc.
Lease:	Not Reported	Well no:	21
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	L03
Source:	gps		
Latitude:	33.79247		
Longitude:	-118.14885		
Td:	0	Sec:	28
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

SSW
1/2 - 1 Mile

OIL_GAS CA10011880

Apinumber:	03708475	Operator:	Signal Hill Petroleum, Inc.
Lease:	Not Reported	Well no:	17
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	L00
Source:	gps		
Latitude:	33.792351		
Longitude:	-118.148866		
Td:	0	Sec:	28
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

SSW
1/2 - 1 Mile

OIL_GAS CA10011852

Apinumber:	03711018	Operator:	Signal Hill Petroleum, Inc.
Lease:	Not Reported	Well no:	9
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	L00
Source:	gps		
Latitude:	33.792066		
Longitude:	-118.146719		
Td:	0	Sec:	28
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction _____ Database _____ EDR ID Number _____
 Distance _____

SSW
1/2 - 1 Mile

OIL_GAS CA10011847

Apinumber:	03711028	Operator:	Signal Hill Petroleum, Inc.
Lease:	Not Reported	Well no:	3
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	L13
Source:	hud		
Latitude:	33.791963		
Longitude:	-118.145288		
Td:	0	Sec:	28
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

SSW
1/2 - 1 Mile

OIL_GAS CA10011845

Apinumber:	03725200	Operator:	CalResources LLC
Lease:	Hathaway Core Hole	Well no:	D
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	006
Source:	hud		
Latitude:	33.791962		
Longitude:	-118.14603		
Td:	0	Sec:	28
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	?	District:	1

SSW
1/2 - 1 Mile

OIL_GAS CA10011835

Apinumber:	03725001	Operator:	CalResources LLC
Lease:	Core Hole	Well no:	A
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	006
Source:	hud		
Latitude:	33.791755		
Longitude:	-118.14664		
Td:	0	Sec:	28
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spupdate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction _____ Database _____ EDR ID Number _____
 Distance _____

SSW
1/2 - 1 Mile

OIL_GAS CA10011811

Apinumber:	03709181	Operator:	Signal Hill Petroleum, Inc.
Lease:	Not Reported	Well no:	5
Field:	LONG BEACH	Cagaso m3 area:	Not Reported
Map:	139	Status cod:	L01
Source:	hud		
Latitude:	33.791424		
Longitude:	-118.146465		
Td:	0	Sec:	28
Twn:	4S	Rge:	12W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zip	Total Sites	> 4 Pci/L	Pct. > 4 Pci/L
90815	13	1	7.69

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.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 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 and 2005 from the U.S. Fish and Wildlife Service.

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 Services

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

California Drinking Water Quality Database

Source: Department of Health Services

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

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.

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.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

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APPENDIX C-2

GENERAL PUBLIC RECORDS

APPLICATION FOR BUILDING PERMIT
 DEPARTMENT OF BUSINESS AND SAFETY
 CITY OF LOS ANGELES, CALIFORNIA
 FORM 4921
 APPLICANT FILL IN AREA BELOW

Address: **4201 E. WILLOW ST**
 Portion lot # **5**
 Block No. **10598**
 Owner: **BIBBY LAND CO.**
 Occupier: **017 SECURITY Bldg**
 NE 646 W. FISHER ST
 J.W. GREIG
 160861

Proposed Bldg. Use: **NEW CAR SALES**

Description of Work: **TRANSFERRY, WOOD STUDS ONE STORY AUTO SALES**

Map, Block No. **24**, No. **1**, Total Area Sq. Ft. **14131**
 Material Used: **Block & Studs Stone & H.M.**
 Valuation: **70,655**

THE FORD MOTOR PROPERTY VALUATION IS A PERMIT TO DO THE WORK DESCRIBED SEPARATE PERMITS ARE REQUIRED FOR ELECTRIC - PLUMBING & MECHANICAL

I have carefully examined and read the above application and being the owner of this and stating that in doing this work, all provisions of laws, ordinances, regulations and rules there will be complied with, and no laws, ordinances or rules there will be violated, and I hereby apply for a Certificate of Compliance to be issued after all final payments have been called for by me and this permit issued by the Dept. of Building & Safety.

Signature: *J. W. Greig* Date: _____

I certify that in the performance of the work for which this permit is issued, I will conform and comply to the laws, ordinances, regulations and rules of the Department of Building & Safety of the State of California.

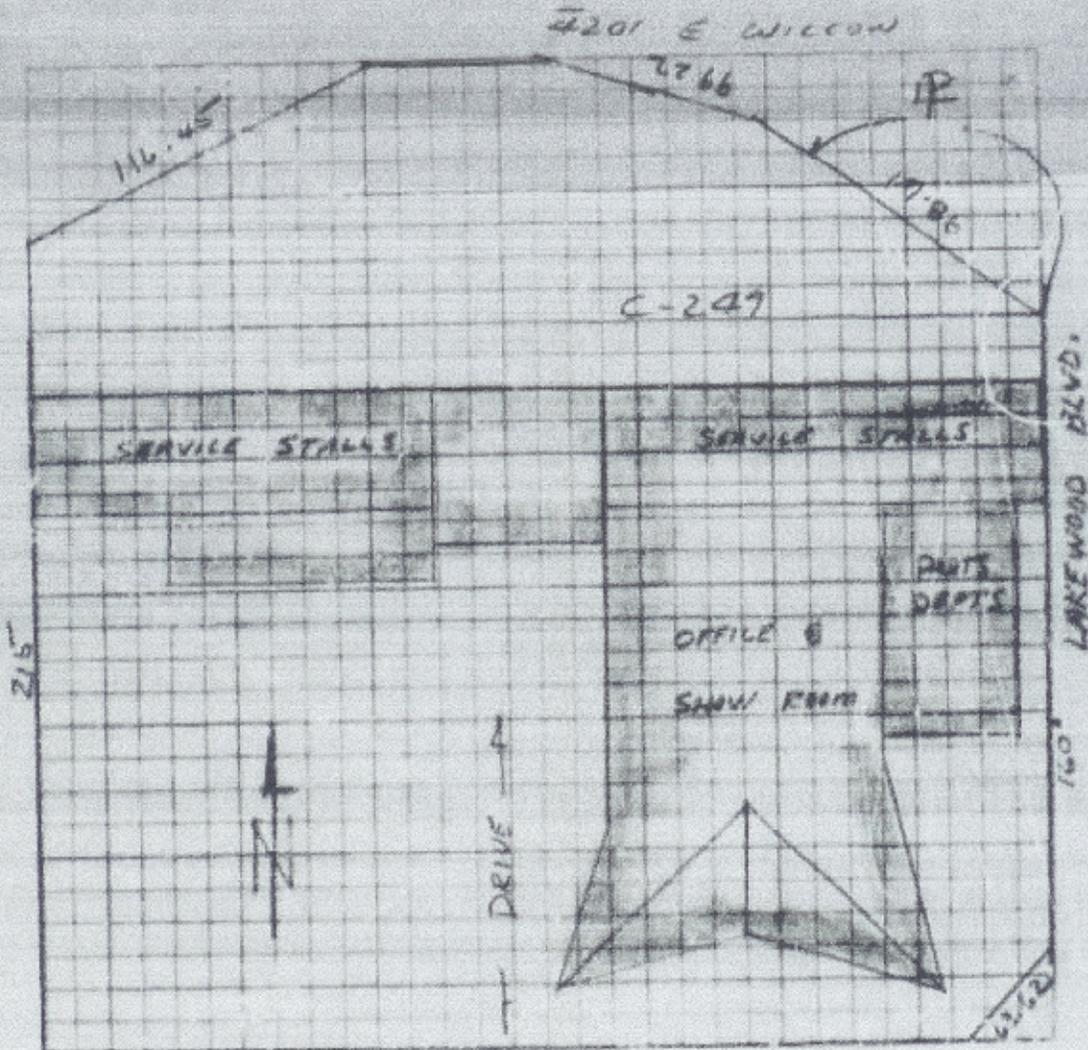
Signature: _____ Date: _____

Address: **4201 E WILLOW ST**
 Owner: **BIBBY LAND CO.**
 Occupier: **017 SECURITY Bldg**
 J.W. GREIG 4356220
 NEW AUTO SALE Bldg
 w/ ATTACHED MECH +
 CAR SERVICE Bldg
 L.P.C. Auto Showroom

Permit No. **C-249**
 Charge Fee No. **3726 CP**
 Charge Fee **\$5**
 Permit Fee **\$172**

18-63 ? 5107 0000172.00

Req. Illustration Required	Yes	No
Arch.		
Eng.		
Elect.		
Plumb.		
Mech.		
Fire		
Health		
Sanit.		
Stair		
Struct.		
Wind		
Other		
Remarks	3-140-43	
N-18 N. ALLEY		



SEE BIDDY PRICE AND DRAW HEAVY LINES 240.06
 Mark areas should be correctly placed. WILLOW

Have correct legal description and address of property.
 Have adjoining streets or alleys and width of each one.
 Also location of each side property fence.

Date Rec'd 7/5/53 Check One New Alteration Addition Repair Demolition

Location of Job 4201 E. WILLOW ST.

Owner's Name BIXBY LAND CO Address 217 SECURITY Bldg 4.13

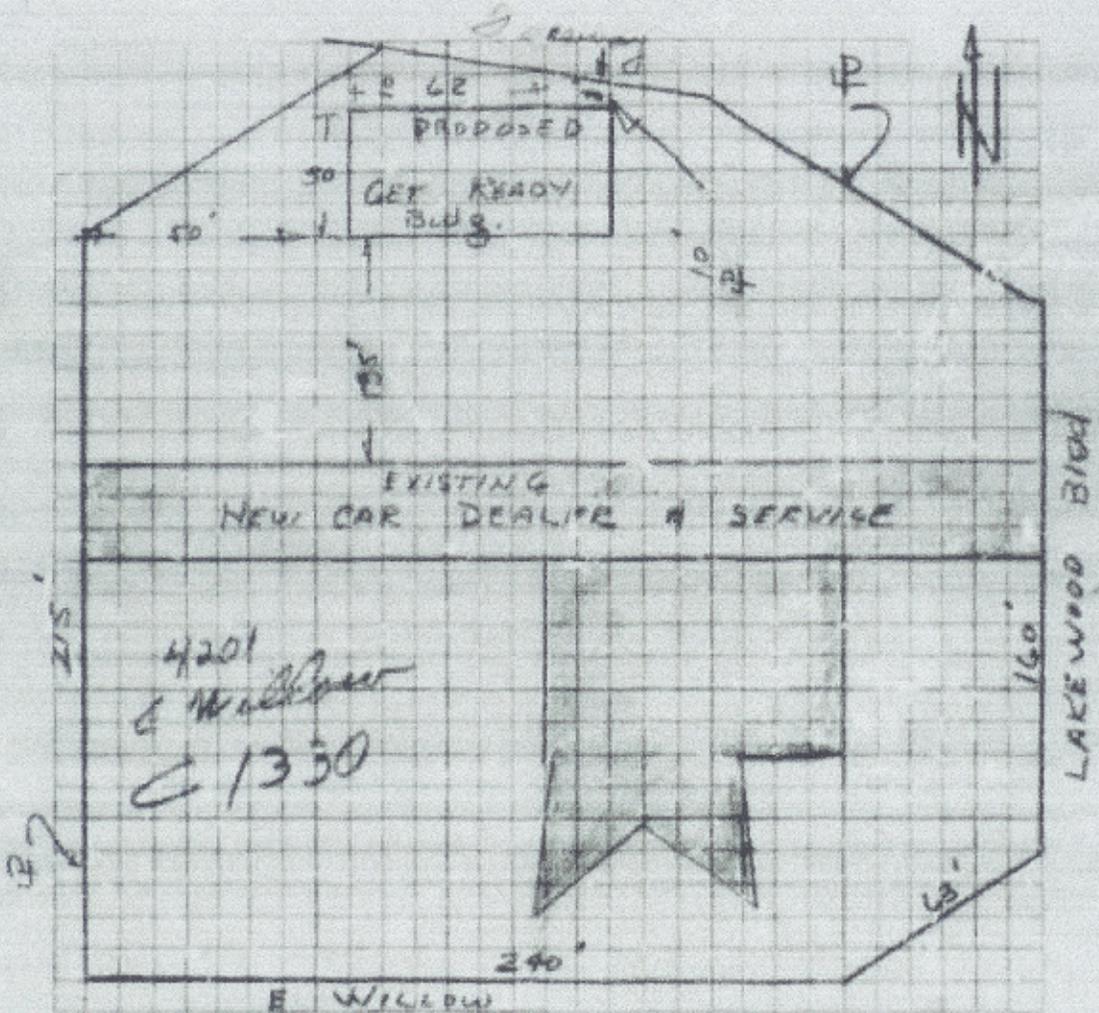
Lot PART 15

Block _____ Tract 10548

Contractor's Name _____ Address _____

Valuation Of Proposed Work \$7000 Applicant J. J. C. Clark Phone 4356220

CHECKED BY Cameron _____ Field Inspector _____ Per Checker _____



SEE CITY ORDINANCES AND ZONING ORDINANCES.
North arrow should be correct, please
Draw completely dimensioned for file

Please attach legal description and address of property.
Note existing Streets or Alleys and width of Curb Cuts.
Note Location of Each Auto Parking Space.

Date Rec'd. 2-24-67 Check One: New Alteration Addition Repair Demolition

Location of Job: 4201 E WILLOW Zone: _____

Owner's Name: VINCE AMYSEK Address: 4201 E WILLOW

Lot: PORTON LOT 5

Block: _____ Tract: 10548

Contractor's Name: D.W.C. Address: _____

Valuation Of Proposed Work: \$7500 Applicant: Vince Amysek Phone: 4267301

City Engineer: J.M. Field Inspector: _____ Plan Checker: Bull...

APPENDIX D

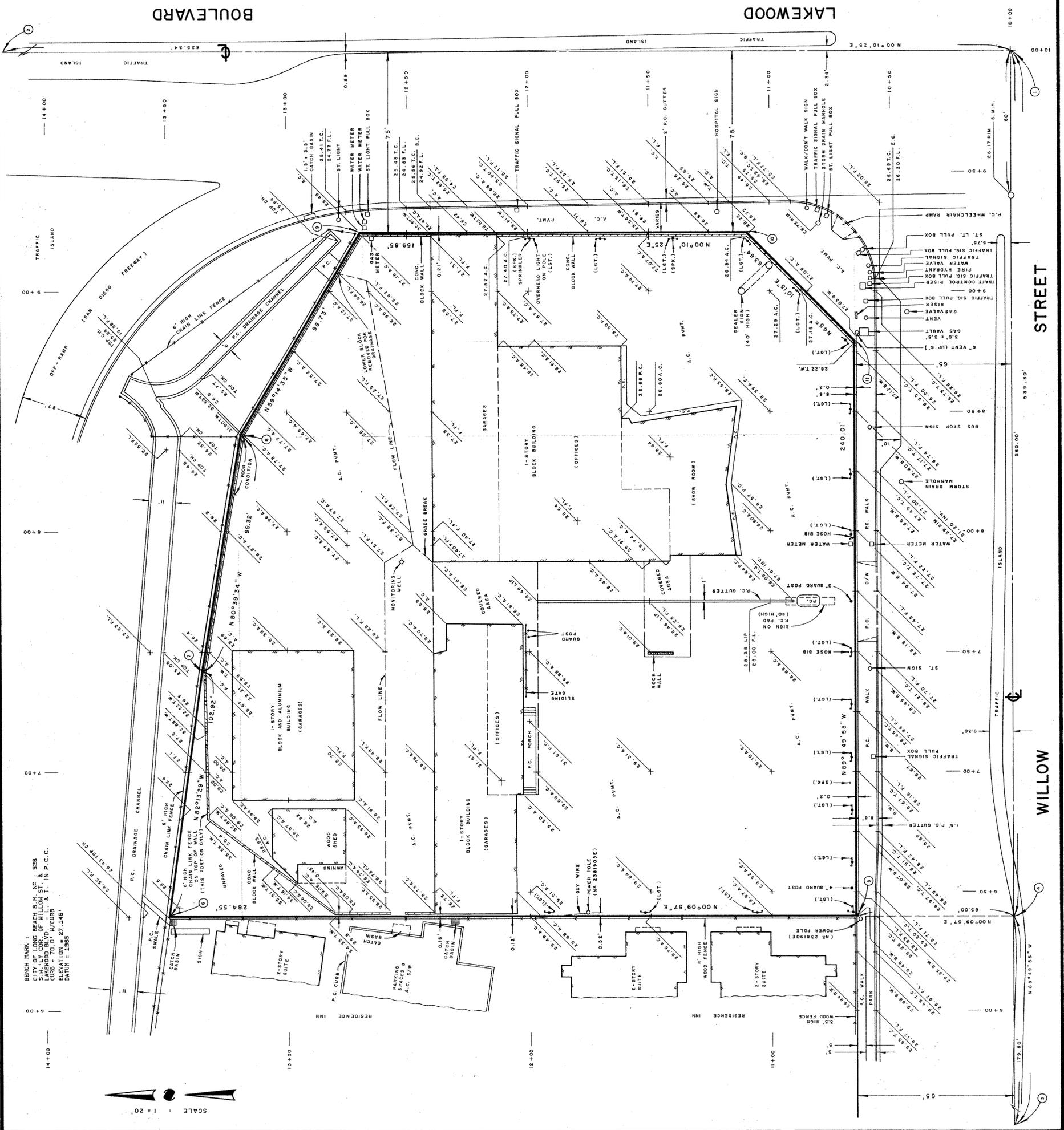
CLIENT PROVIDED DOCUMENTATION

BOUNDARY AND TOPOGRAPHIC SURVEY
 4201 E. WILLOW STREET
 LONG BEACH, CALIFORNIA 90806
 LOT 1, TRACT N^o 28771, M.B. 712 / 41 AND
 A PORTION OF LOT 5, TRACT N^o 10548,
 M.B. 174 / 15-23, INCL.

PREPARED FOR : BIXBY LAND COMPANY
 JOB N^o : 920209
 DATE : MARCH 10, 1992

PREPARED BY :
 R. V. PEARSALL INC.
 2595 LIME AVE.
 LONG BEACH, CALIF. 90806
 (310) 595-7391
 L.S. 5203

- MONUMENT NOTES :**
- ① C.L.B. MON. NE 2906 WELL (DOWN 12")
PER C.L.B.F.B. L-048-101
 - ② C.L.B. MON. N^o 4330
P.D. BRASS CAP IN P.C.C. (FLUSH)
PER C.L.B.F.B. L-048-085
 - ③ C.L.B. MON. N^o 4371 WELL (DOWN 10")
PER C.L.B.F.B. L-048-085
 - ④ P.D. LEAD & TAG L.S. 2387 PER R.S.
85/90 AND PARCEL MAP N^o 17890.
P.H.D. 130-84-85 (0.03' S'LY)
 - ⑤ P.D. 2" I.P.P. & TAG L.S. 2896 PER
280-84-85
 - ⑥ P.D. LEAD & TAG L.S. 5603 (NO REF.)
 - ⑦ P.D. LEAD & TAG L.S. 2896 (NO REF.)
 - ⑧ P.D. LEAD & TAG L.S. 2387 PER R.S.
85/90
 - ⑨ P.D. SPK. & WASHER STAMPED L.S. 2387
PER R.S. 85/90 (5 35' 14" S 5' 0" E)
 - ⑩ SET NAIL & TAG L.S. 5603 (FLUSH)
 - ⑪ P.D. SPK. & WASHER STAMPED L.S. 2387
PER R.S. 85/90 (0.04' N'LY)



EASEMENT AND UTILITY MAP

4201 EAST WILLOW STREET
LONG BEACH, CALIFORNIA 90806

LOT 1, TRACT N^o 28771, M.B. 712/41, AND
A PORTION OF LOT 5, TRACT N^o 10548,
M.B. 174/15-23 INCLUSIVE

PREPARED FOR: BIXBY LAND COMPANY
JOB N^o 3202029
DATE: MARCH 10, 1992

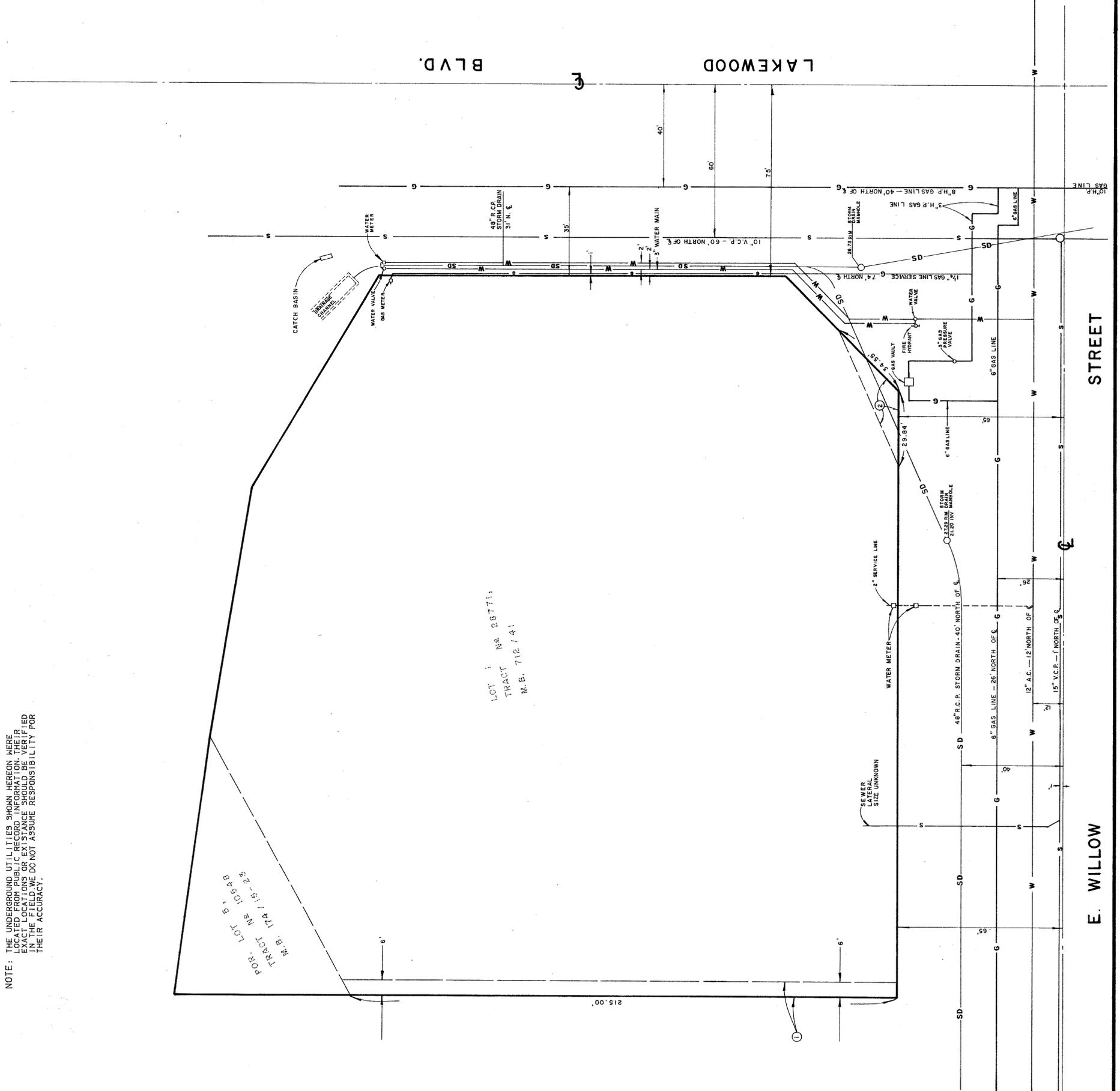
PREPARED BY: R. V. PEARSALL, INC.
2595 LIME AVENUE
LONG BEACH, CALIFORNIA 90806
(310) 535-7381
L.S. 52803

EASEMENTS:

- 6' WIDE EASEMENT OF THE SOUTHERN CALIFORNIA EDISON COMPANY FOR CONVEYING ELECTRIC ENERGY PER DEED RECORDED NOVEMBER 18, 1953 AS INSTRUMENT N^o 4784, O.R. (TIER L)
- VARIABLE WIDTH EASEMENT OF THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT FOR COVERED STORM DRAIN PURPOSES PER DEED RECORDED AND DEED RECORDED AUGUST 2, 1979 AS INSTRUMENT N^o 79-856031, BOTH O.R. (ITEMS N.N AND O)

LEGEND

- SD STORM DRAIN
- G GAS LINE
- W WATER LINE
- S SEWER LINE
- HP HIGH PRESSURE
- CP CENTER LINE
- N NORTH
- R.C.P. REINFORCED CONCRETE PIPE
- V.C.P. VITRIFIED CLAY PIPE



APPENDIX E

LABORATORY REPORTS

NO LABORATORY REPORTS AVAILABLE

APPENDIX F

OTHER SUPPORTING DOCUMENTATION

NO OTHER SUPPORTING DOCUMENTATION AVAILABLE

APPENDIX G

QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONALS

RODGER C. WITHAM

Senior Hydrogeologist

Mr. Witham has 27 years experience in geology, hydrogeology, and hazardous and non-hazardous waste assessment, remediation, and management. As both technical and project manager, he has directed remedial investigations and remedial actions at landfills, steel-making and petroleum refining facilities, dry cleaners, and fuel underground storage tank sites, that included the definition and cleanup of contamination in soil and ground water. He has designed, directed, and performed investigations and cleanups at numerous chemical release sites where work involved contaminant characterization, installation of treatment systems, operation and maintenance activities, and ground-water monitoring. In performing these projects, he was responsible for technical quality, scheduling, budget preparation and tracking costs, liaison with clients and regulators, and preparation of proposals, work plans, and technical reports.

Some of Mr. Witham's work experience includes:

- Co-founded and served as Technical Vice President of a local environmental consulting firm where he was in charge of all technical aspects of the company's projects. Managed, directed, and participated in many projects, and prepared proposals, budgets, work plans, and technical reports. Clients included private, local, state, and federal entities.
- Oversaw more than 50 projects involving hazardous waste assessment, remediation, and ground-water monitoring at fuel underground storage tank sites at another local environmental consulting firm. Managed a staff of 11 employees.
- Delineated and characterized hydrogeology and contamination in soil and ground water at a former petroleum refinery. Interpreted and presented results to characterize the regional and local geology and ground-water system and delineate the extent of organic and inorganic contaminants in the soil and ground water.
- Designed a remedial investigation-feasibility (RI-FS) study at a former steel making facility, which addressed sampling and analyzing various waste materials, soil, surface water, and ground water, and remediating bunker oil and sludge in a storm water runoff pond.
- Characterized hydrogeology and delineated and remediated contamination in soil and ground water at the location of a former dry cleaner. Performed aquifer testing and analysis, evaluated health risk of contamination, and designed, installed, and maintained operation of soil-vapor and ground-water-recovery and treatment systems.
- Conducted hydrogeologic and contamination investigations of water-supply springs in the eastern U. S., which included literature searches, field geologic mapping, reconnaissance for possible contaminant sources, and sampling and analysis of the springs to evaluate water quality.
- Delineated and remediated petroleum hydrocarbon contamination at numerous truck stops and gasoline service stations throughout the western and southwestern United States. Installed and operated ground-water and soil-vapor recovery and treatment systems.
- Served as Program Manager/Geologist for a federal agency where he provided guidance and technical support to district and area offices for administering the permit program for exploration and development of geothermal resources on federal land. Assisted in estimating the value of the resources, and made recommendations on approval of applications for unitizing geothermal resources. Also developed technical guidelines for industry exploration methods.
- Served as Engineering Geologic Technician for a local firm. Participated in fault investigations that included mapping trenches and interpreting shallow subsurface lithology and structure.

Technical Specialties:

Hazardous Waste Assessment and Remediation

Phase I and II Site Assessments

Soil and Ground-water Assessment, Remediation, and Monitoring

Aquifer Testing and Analysis

Risk Assessments

Storm Water Pollution Prevention Plans

Preliminary Endangerment Assessments

Education:

M.S., Geology, California State University, San Jose, 1982

B.A., Geology, California State University, Fresno, 1974

Certifications:

Registered Geologist, California

Certified Engineering Geologist, California

Registered Environmental Assessor II, California

Professional Affiliations:

Association of Engineering Geologists

William L. Felix, REA
Regional Director
West Region

Mr. Felix has over eighteen years experience in the environmental field as a consultant in the private sector. He has been responsible for the direction of Environmental Due Diligence programs at various environmental consulting firms. He has directed or participated in the performance of more than 750 environmental site assessments and 150 property condition assessments of industrial, commercial, and residential properties.

Prior to joining Hygienetics Environmental, Mr. Felix led the corporate environmental site assessment practice for a national consulting firm where he was responsible for developing corporate policy and technical procedures for conducting Phase I ESAs. He also managed and performed CERCLA site investigations for various military installations located in southern California. These projects involved assessing potentially contaminated areas prior to base closure or realignment.

REPRESENTATIVE PROJECT EXPERIENCE:

Environmental Site Assessment—Project/Client Manager for Phase I and II Environmental Site Assessment, and other site characterization projects.

- Nextel Communications Inc.; Various sites throughout San Diego, Orange, Riverside, Los Angeles, and Imperial Counties, California - Client manager for Phase I ESAs, NEPA compliance, and geotechnical engineering projects.
- Mountain Union Telecom; Various sites throughout San Diego, Los Angeles, Orange, Santa Barbara, and Riverside Counties, California and the Denver, Colorado metropolitan area - Client manager for Phase I ESA, NEPA compliance, environmental reporting, and geotechnical engineering projects.
- Office Depot Nationwide – Client manager for all Office Depot projects in the U.S. and Puerto Rico. Responsible for staffing projects and acting as liaison between Office Depot and project personnel, managing various Phase I environmental projects, and managing special projects for Office Depot. Other duties involved setting pricing and contract negotiation.
- Caltrans, San Diego, California - Project manager for a site investigation along a segment of the I-5 Freeway between Del Mar Heights Road and the San Dieguito River Bridge. The site investigation focused on evaluating soil along the northbound shoulder of I-5 for aerially deposited lead. The scope of the site investigation included preparing a health and safety plan, work plan, utility clearance, soil sampling and analysis, GPS survey of boring locations, statistical analysis of collected data, and report preparation. The analytical data was used to evaluate soil disposal and reuse options based on SW-846 and DTSC guidelines.
- Standard Insurance Company, Former Gasoline Station; San Diego County, California - Project manager for performing a site investigation of a former gasoline station property to determine the extent of petroleum hydrocarbon contamination. The scope of the investigation was performed in accordance with San Diego County Department of Environmental Health (DEH) Site Assessment Manual (SAM) guidelines. The DEH provided oversight of the project under the Voluntary Assistance Program.

Technical Specialties

Environmental Site Assessment
 Property Condition Assessment

Education:

B.A., Applied Ecology, University of California at Irvine, 1988

Certifications/Accreditations:

29 CFR 1910.120 (e) (3) (i) 40-Hour
 General Workers Training

29 CFR 1910.120 (e) (4) Management and
 Supervisors Training

California Registered Environmental
 Assessor I (REA) #05256

William L. Felix, REA
Regional Director
West Region

- Costco; Garden Grove, California - Project manager for performing Phase II ESA on vacant property to determine the extent of solvent and petroleum hydrocarbon contamination; assisted Costco with obtaining an indemnity agreement with the City of Garden Grove prior to site development.
- COVS Partners; Fullerton, California - Project manager for a Phase II ESA on a dry cleaning facility to determine extent of PCE contamination in soil and groundwater. Soil and groundwater data obtained was used to evaluate remedial options; worked closely with RWQCB/Orange County Health Care Agency to seek “case closure” for the site.
- United States Navy; San Diego, California - Contract task order leader for CERCLA PA/SI projects conducted at naval training center. Managed preliminary assessment activities involving aerial photo, records review, interviews with base personnel, onsite and offsite reconnaissance, and community relations support. Also managed site inspection activities at the naval training center, which involved work plan preparation, establishing data quality objectives, soil and groundwater sampling, and locating abandoned USTs.
- LSG Sky Chefs – Managed and performed a UST tank removal project at LSG’s Vernon, California facility. Coordinated the removal of a 10,000 gallon UST and performed onsite screening of potentially affected soil, soil sample collection activities, and oversight of excavation backfill and repaving efforts. Other duties involved acquiring UST removal permits, work plan preparation, final report preparation, and negotiations with the City of Vernon to gain “no further action” status.
- Comerica Bank; Northern/Southern California - Client manager for statewide ESA services; managed ESA projects statewide, performed senior technical review, and acted as liaison between client and project offices.

Property Condition Assessment—Project/Client Manager for property condition assessment projects performed in various locations throughout the U.S.

- Washington Mutual Bank, Prudential Mortgage Capital Company, GMAC Commercial Mortgage, and Bank of America; various cities in the United States. Conducted property condition assessments of commercial, industrial, and residential properties for a variety of real estate transactions. Duties involved preparing repair/replacement cost estimates, construction drawing review, and identification and condition evaluation of major system groups.

**PHASE I ENVIRONMENTAL SITE ASSESSMENT
UPDATE**

OF

**FORMER KIA AUTOMOTIVE DEALERSHIP
4201 EAST WILLOW STREET
LONG BEACH, CALIFORNIA 90815**

CALVADA PROJECT NO. CES07.057



March 12, 2007

Prepared by:

Calvada Environmental Services, Inc.
1560 Commerce Street, Unit D
Corona, CA 92880
Phone: (951) 808-8585
Fax: (951) 808-8405

Prepared for:

Major Enterprises LLC
781 East 14th Street
Los Angeles, CA 90021
(213) 763-8080
(213) 763-8090

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EXECUTIVE SUMMARY

Calvada Environmental Services, Inc. (CES) has completed the Phase I Environmental Site Assessment (ESA) Update for the Kia Dealership. This assessment includes the results of our updated findings from three additional regulatory agencies, visual reconnaissance, and review of previous reports. CES assessment, in addition, includes the analytical results of the soil surrounding a approximate 350 gallon clarifier located in the garage area of the site.

This Phase I Update was performed in accordance with the scope of services dated February 23, 2007, as provided by Major Enterprises, LLC. The original Phase I ESA was completed on September 29, 2006 and a subsequent report dated November 14, 2006 was prepared for the exploration for a potential waste oil tank prepared by Hygienetics Environmental, Inc. (HEI). A summary environmental review was completed on February 9, 2007 prepared by Keith G. Farrell, Consulting Geologist.

The conclusions of the reports identified three areas that are a recognized environmental concern (REC). They were identified as follows:

- Former Waste Oil Tank
- Asbestos and lead based paint.
- Oil Water Separator (clarifier)

On August 18, 1989 a 550 gallon waste tank was removed from the subject property. I a report prepared by Suni Gupta, soil samples were obtained and analyzed. It was concluded that based on the laboratory results that "no contamination of soils is present underlying the removed 550 gallon waste oil tank."

HEI prepared a report regarding the former waste oil storage tank (It is apparent that HEI was unable to obtain a copy of this report from the Long Beach Fire Department). HEI excavated an area of 6' X 8'X6'. HEI noted any stained soil and screened the soil for organic vapors using a photoionization detector (PID). HEI did not observe any stained soil. Based on the visual and olfactory evidence HEI did not collect any soil samples. Based on the results of the excavation, HEI concluded that the waste oil tank did not exist and there were no stained soil/petroleum odors was detected.

On March 6, 2007, CES conducted a review of the site and to performed a limited subsurface investigation around the oil water separator (clarifier). The items identified in the previous Phase I and subsequent reports have not changed since their respective publications.

A total of 4 soil borings were advanced to 10 feet below ground surface (bgs). Soil samples were obtained at 5 and 10 feet. Selected soil samples were analyzed for total petroleum hydrocarbons (TPH) for carbon chain analysis by Environmental Protection Agency (EPA) modified Method 8105 and a bottom sample closest to the clarifier was analyzed for volatile organic compounds (VOC's) by EPA Method 8260.

Laboratory analytical data indicated non detectable concentrations of TPH and VOC's in the five soil samples analyzed.

CES understands that Major Enterprises LLC and its Investors, assignees, designees, successors, and assigns intend to rely upon this report as an evaluation of the environmental conditions at the subject property for the purpose of deciding whether and under what conditions to proceed with the real estate transaction involving the property. The work was performed with sufficient detail and scope to meet the standard diligence practices for an environmental assessment for an institutional investor of real estate in the current marketplace under 40 CFR part 312 and ASTM 1527-05. CES understands that the intent is to complete an investigation which will help provide for the Major Enterprises LLC and its Investors, assignees, designees, successors, and assigns the status of "Innocent Purchaser" as defined in Section 101(35)(A) and (B) of 42 U.S.C.A. SS 9601(35) and 107(b)(3) of 42 U.S.C.A. SS 9607 and that the Major Enterprises LLC and its Investors, assignees, designees, successors, and assigns may rely upon the work for the above purpose.

CES services for the Major Enterprise LLC are to be held in strict confidence. CES will not discuss or disclose any information about CES's services to any third party without Major Enterprise LLC consent.

Records Review

CES has reviewed the Phase I report prepared by HEI dated September 29, 2006. In addition to the information provided, CES has contacted the following agencies for the possibility of obtaining additional records for this Phase I update:

- Long Beach Fire Department
- Long Beach Health Department
- Department of Toxic Substance and Control

CONCLUSIONS/RECOMMENDATIONS

CES has performed this Phase I ESA update in conformance with the scope and limitations of ASTM Designation E 1527-05 of the site located at 4201 East Willow Street, Long Beach, California ,90815 and identified under the APN as 7218-001-017. The conclusions are based upon the previous reports reviewed and the subsequent work performed. Any exceptions to, or deletions from, this practice are described in Section 1.2 of this report.

In the professional opinion of CES, an appropriate level of inquiry has been made into the previous ownership and uses of the property, and recognized environmental conditions found during the Phase I consistent with good commercial and customary practice in an effort to minimize liability. Since there is no immediate threat related to the oil water separator (clarifier) and there appears to have been no significant release, no additional work is required.

1.0 INTRODUCTION

This Phase I ESA update was conducted utilizing a standard of good commercial and customary practice that was consistent with the ASTM Designation E 1527-05. Any significant scope-of-work additions, deletions, or deviations to ASTM Designation E 1527-05 are noted below or in the corresponding sections of this report. The scope-of-work for this assessment included an evaluation of the following:

- Physical characteristics of the site through a review of referenced sources (previous Phase I Report) for topographic, geologic, soils, and hydrologic data.
- Historical land use at the site, adjoining properties and surrounding area through a review of referenced sources including land title records, fire insurance maps, city directories, aerial photographs, and prior reports.
- Current site conditions including observations and interviews regarding the presence or absence of hazardous substances or petroleum products; generation, treatment, storage, or disposal of hazardous, regulated, or medical waste; equipment that utilizes oils which potentially contain polychlorinated biphenyls (PCBs); and, storage tanks (aboveground and underground).
- Information in referenced environmental agency databases (provided by others) and local environmental records.

1.1 Assumptions, Limitations, and Exceptions

CES has prepared this Phase I ESA update using reasonable efforts in each phase of its work to identify *recognized environmental conditions* associated with hazardous substances or petroleum products at the Site. The scope-of-work for this Phase I ESA update was consistent with ASTM Designation E 1527-05. Findings within this report are based on information collected from observations made on the day of the Site investigation and from reasonably ascertainable information obtained from governing public agencies and referenced sources.

This report is not definitive and should not be assumed to be a complete or specific definition of all conditions above or below grade. Subsurface conditions may differ from the conditions implied by the surface observations and can only be reliably evaluated through intrusive techniques. CES makes no representation or warranty that the past or current operations at the Site are or have been in compliance with all applicable federal, state, and local laws, regulations, and codes.

Regardless of the findings stated in this report, CES is not responsible for consequences or conditions arising from facts that were concealed, withheld, or not fully disclosed at the time the assessment was conducted.

This report does not warrant against future operations or conditions, nor does it warrant against operations or conditions present of a type or at a location not investigated.

The regulatory database report provided is based on an evaluation of the data collected and compiled by a contracted data research company. The report focuses on the Site and neighboring properties that could impact the property. Neighboring properties listed in governmental environmental records are identified within specific search distances. The search distance varies depending upon the particular government record being checked. The regulatory research is designed to meet the requirements of ASTM Practice E 1527-05. The information provided in the regulatory database report is assumed to be correct and complete unless obviously contradicted by field observation or other reviewed sources.

Reasonable efforts have been made during this assessment of AST's and UST's and ancillary equipment. "Reasonable efforts" are limited to information gained from visual observation of largely unobstructed areas, recorded database information held in public record and available information gathered from interviews. Such methods may not identify subsurface equipment that may have been hidden from view due to snow cover, paving, construction or debris pile storage, or incorrect information from sources.

CES is not a professional title insurance firm and makes no guarantee, explicit or implied, that any land title records reviewed represent a comprehensive or precise delineation of past property ownership or occupancy for legal purposes.

1.2 Special Terms and Conditions (User Reliance)

This report is for the use and benefit of, and may be relied upon by Major Enterprises, LLC or any of its affiliates, and third parties authorized in writing by Major Enterprises, LLC or CES, including the lender(s) in connection with a secured financing of the Site, and their respective successors and assigns. Any third party agrees by accepting this report that any use or reliance on this report shall be limited by the exceptions and limitations in this report, and with the acknowledgment that actual Site conditions may change with time, and that hidden conditions may exist at the Site that were not discoverable within the authorized scope of the assessment.

CES makes no other representation to any third party except that it has used the degree of care and skill ordinarily exercised by environmental consultants in the preparation of the report and in the assembling of data and information related thereto. No other warranties are made to any third party, either express or implied. CES liability to any third party authorized to use or rely on this report with respect to any acts or omissions shall be limited to a maximum of \$100.00

2.0 SITE DESCRIPTION

2.1 Location and Description

The site is located on the northwestern corner of the intersection of Willow Street and Lakewood Boulevard. The site is presently a vacant Kia automotive dealership which consists of a 1.68 parcel of land. A portion of the site is developed with two single story buildings and the remaining areas are paved. According to the previous Phase I report, the buildings were constructed in 1963-1964 for use as an automotive dealership.

2.2 Current Use of the Site

The Site is currently developed and vacant.

2.3 Description of Site Improvements

Refer to Section 2.0

2.4 Current Use of Adjoining Properties

No changes from the previous Phase I report.

3.0 USER PROVIDED INFORMATION

The following section summarizes information (if any) provided by Major Enterprises, LLC with regard to the updated Phase I ESA.

3.1 Title Records

CES was not provided with any preliminary title information of the site. A 50 year chain of title was provided to HEI and a through review was conducted.

3.2 Environmental Liens or Activity and Use Limitations

At this time no information regarding the Environmental Liens has been provided to CES at the time of this report. An Addendum to this report will be issued once information is received.

3.3 Specialized Knowledge

CES was not provided with specialized knowledge from Major Enterprises, LLC with the exception of the clarifier which will be detailed in later sections of this updated report.

3.4 Valuation Reduction for Environmental Issues

CES is not a licensed appraiser and has no knowledge of valuation of the property. Bixby Land has been given the ASTM User Questionnaire. Bixby Land has refused to respond to the questionnaire (Copy Attached).

3.5 Owner, Property Manager, and Occupant Information

The current Property Manager is Bixby Land Company located at 1200 Newport Center Drive, Suite 300, Newport Beach, California. Limited information from the site was obtained from the real estate broker, Pat Toomey with CB Richard Ellis. According to phone conversations and subsequent emails, the site contact is Greg Gilroy, VP Asset Management. No other information has been provided.

The site is a former Kia Automotive dealership. The site is currently vacant.

3.6 Reason for Performing Phase I ESA

Major Enterprises, LLC indicated that the Phase I Site Assessment was performed to evaluate the environmental risk associated with the purchase of the property.

4.0 RECORDS REVIEW

4.1 Standard Environmental Records

The regulatory agency database report discussed in this section, provided by EDR, was reviewed for information regarding reported releases of hazardous substances and petroleum products on or near the Site. A summary of the data was presented in the HEI report dated September 29, 2006 (copy attached). As additional elements to this Phase I update, CES contacted the

- Department of Toxic Substance and Control
- Long Beach Health Department
- Long Beach Fire Department

Department of Toxic Substance Control (DTSC)

The agency has responded and after an extensive search of their records. The DTSC has found that no records exist for this property (response letter attached).

Long Beach Health Department

The agency is has not responded to CES's request for information. An addendum will follow in the event of any findings for the site.

Long Beach Fire Department

The agency responded via email of our request for information. Several files were reviewed. In particular was a closure report of a 550 gallon waste oil tank removed in August 18, 1989. The report was prepared by Sunil Gupta for RO Gould dated October 16, 1989.

Based on the report, no detectable concentrations were identified. Long Beach Fire had closed the site on October 4, 1989 (Copies attached)

4.2 Physical Setting Sources

Descriptive features of the site has been described in the HEI report dated September 29, 2006 Phase I. No changes have occurred to the site that would substantially change the previous report.

4.3 Alquist Priolo Earthquake Fault Zone Map Report

The Alquist-Priolo Earthquake Fault Zoning Act was passed in 1972 to mitigate the hazard of surface faulting to structures for human occupancy. This state law was a direct result of the 1971 San Fernando Earthquake, which was associated with extensive surface fault ruptures that damaged numerous homes, commercial buildings, and other structures. Surface rupture is the most easily avoided seismic hazard. The Alquist-Priolo Earthquake Fault Zoning Act's main purpose is to prevent the construction of buildings used for human occupancy on the surface trace of active faults. The law requires the State Geologist to establish regulatory zones (known as Earthquake Fault Zones) around the surface traces of active faults and to issue appropriate maps. ["Earthquake Fault Zones" were called "Special Studies Zones" prior to January 1, 1994.] The maps are distributed to all affected cities, counties, and state agencies for their use in planning and controlling new or renewed construction. Local agencies must regulate most development projects within the zones. Projects include all land divisions and most structures for human occupancy. Single family wood-frame and steel-frame dwellings up to two stories not part of a development of four units or more are exempt. However, local agencies can be more restrictive than state law requires. Before a project can be permitted, cities and counties must require a geologic investigation to demonstrate that proposed buildings will not be constructed across active faults. A licensed geologist must prepare an evaluation and written report of a specific site. If an active fault is found, a structure for human occupancy cannot be placed over the trace of the fault and must be set back from the fault (generally 50 feet). The Site is not located within a mapped Alquist-Priolo zone.

4.4 National Wetlands Inventory (NWI)/ Federal Emergency Management Agency (FEMA)

A review of the HEI report indicated that the Site is not located within a Flood Zone and the site is not within a designated wetland.

4.5 Aerial Photographs

CES has reviewed the HEI report dated September 29, 2006 and no changes have occurred since the reports publication.

4.6 Land Title Records

See section 3.1.

5.0 SITE RECONNAISSANCE

The site reconnaissance was conducted on March 6, 2007, by Timothy J. Lane. The following is a summary of visual and/or physical observations of the Site on the day of the site visit.

5.1 Methodology and Limiting Conditions

The site reconnaissance consisted of visual and/or physical observations of the site based on the September 29, 2006 report. Our review consisted of

- Review of Previous Reports and agency files not reviewed;
- the Site and improvements;
- Limited Soil investigation to a oil water separator (clarifier).

5.2 Hazardous Substance Use/Storage/Storage Tanks/PCB's

The hazardous substances were well documented in the previous Phase I prepared by HEI dated September 29, 2006.

5.3 Asbestos-Containing Material (ACM)/Lead-Based Paint (LBP)

A survey of asbestos containing materials (ACM) and Lead Based Paint (LBP) are outside the scope of work under ASTM 1527-05.

5.4 Septic Systems

CES did not observe any septic systems on the Site.

5.5 Wells

CES did not observe any wells on the site or on adjoining properties.

6.0 LIMITED SOIL INVESTIGATION

On March 6, 2007, CES retained Core Probe International, Inc. of Irwindale, California, to four soil borings to a depth of 10 feet bgs at the site. Each soil boring was drilled using utilizing a limited access geoprobe 4400T limited access push rig. Soil samples were obtained at 5 and 10 feet using a California split tube sampler that was driven into undisturbed soils at the desired depths. Soil samples were retained in eighteen-inch acetate sleeves. After sample retrieval, the sample was sealed with Teflon tape, capped, labeled and placed on ice pending shipment to the laboratory under chain of custody procedures. The locations of the borings are shown on Drawing 4 –Soil Boring Location Map. Each soil boring was drilled to a maximum depth of 10 feet.

Soil borings SB-1 through SB-4 were situated to evaluate the subsurface conditions around the oil water separator (clarifier). Several attempts were made to advance SB-2 in its anticipated location near the oil water separator (clarifier) but a several large pieces of rebar were encountered in two attempts. SB-2 was relocated approximately 1.5 feet east of the oil water separator.

The encountered soils were logged using the Unified Soil Classification system as shown in Attachment A, Boring Logs. Each soil sample was monitored for organic vapors using a Thermo Tech 580 Organic Vapor Meter (OVM) and field tested using a Petro Flag test kit by EPA Method 9074. The field test kit and OVM readings obtained during drilling were utilized in part to select which soil samples were to be analyzed.

6.1 Findings

Soil encountered during this limited sampling program consisted of fine-grained sand and silt. Concentrations above the measured detection limits were not identified in any of the soil samples analyzed by EPA Methods *015 cc and one soil sample by EP Method 8260B. No other constituents tested were identified within the reporting levels of the laboratory.

6.2 Conclusions

Based upon the visual observations and monitoring during fieldwork and evaluation of the analytical results of collected soil samples, the following conclusions can be made:

6.2 Conclusions (Cont'd)

Based on the data collected, the results do not indicate the presence of TPH carbon chain or VOC in the soil samples tested. The tabulated laboratory data is detailed below.

LABORATORY SUMMARY – SOIL
OIL WATER SEPARATOR
FORMER KIA AUTOMOTIVE
4201 EAST WILLOW, LONG BEACH CA

Sample	Depth (in Feet BGS)	8015cc	8260B
SB-1	5	NA	NA
SB-1	10	ND	NA
SB-2	5	NA	NA
SB-2	10	ND	NA
SB-3	5	NA	NA
SB-3	10	ND	NA
SB-4	5	NA	NA
SB-4	10	ND	ND

8015cc = EPA Method 8015 carbon chain Analysis

8260B =EPA Method 8260B for Volatile Organic Compounds (VOC's)

NA = Not Analyzed

ND = Not Detected at Laboratory Detection Levels

7.0 INTERVIEWS

CES did not conduct any interviews with regards to the vacant lot. However, pertinent information from our review of all available information is discussed in applicable sections of this report and the findings are within the body of this report. I User Questionnaire was sent to Bixby Land but on advice of their consultant, Bixby Land has refused to answer the questionnaire.

8.0 FINDINGS

The following summarizes known or suspected environmental conditions in connection with the Site based on information collected during the Phase I ESA. For each condition, CES provides an opinion of the impact on the Site based on an evaluation of the results of record reviews, site reconnaissance, and environmental sampling issues as discussed in this report. CES also provides a conclusion and rationale regarding whether or not an environmental condition is a *recognized environmental condition*.

Records Review

CES has reviewed the Phase I report prepared by HEI dated September 29, 2006. In addition to the information provided, CES has contacted the following agencies for the possibility of obtaining additional records for this Phase I update:

- Long Beach Fire Department
- Long Beach Health Department
- Department of Toxic Substance and Control

9.0 CONCLUSIONS/RECOMMENDATIONS

CES has performed this Phase I ESA update in conformance with the scope and limitations of ASTM Designation E 1527-05 of the site located at 4201 East Willow Street, Long Beach, California ,90815 and identified under the APN as 7218-001-017. The conclusions are based upon the previous reports reviewed and the subsequent work performed. Any exceptions to, or deletions from, this practice are described in Section 1.2 of this report.

In the professional opinion of CES, an appropriate level of inquiry has been made into the previous ownership and uses of the property, and recognized environmental conditions found during the Phase I consistent with good commercial and customary practice in an effort to minimize liability. Based on the data collected, the results do not indicate the presence of TPH carbon chain or VOC in the soil samples tested. Since there is no immediate threat related from the oil water separator (clarifier) and there appears to have been no significant release, no additional work is required.

10.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

Calvada Environmental Services, Inc. (CES) has performed an updated Phase I ESA of the parcel of land identified as APN 7218-001-017 located at 4201 East Willow Street in the City of Long Beach, California (Site). CES has the specific qualifications based on the education, training, and experience to assess a property of the nature, history, and setting of the subject property. CES has developed and performed the all appropriate inquires in conformance with the standards and practices set forth in the AAI rule.

The conclusions and statements expressed in this report are based on present conditions are valid relative to current conditions and regulations. Conditional changes may occur through time by natural or manmade processes on this or adjacent properties which the client should be made aware. Future review and interpretations should consider regulatory changes that may have been enacted subsequent to preparation of this report.

CES makes no other representation to any third party except that it has used the degree of care and skill ordinarily exercised by environmental consultants in the preparation of the report and in the assembling of data and information related thereto. No other warranties are made to any third party, either express or implied.

CALVADA ENVIRONMENTAL SERVICES, INC.



Timothy J. Lane, REA #04322
Principal

11.0 REFERENCES

ASTM, "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process," ASTM Designation E 1527-05, Published November 1, 2006.

California Environmental Protection Agency, Department of Toxic Substances Control (DTSC), written communication.

California Geological Survey, Alquist Priolo Earthquake Fault Zone Maps.

City of Long Beach Health and Fire Department written communication.

Sunil Gupta Closure Report for RO Gould, 4201 East Willow, 550 gallon Waste oil Removal dated October 16, 1989.

Hygientics Environmental Services, Inc. Phase I Site Assessment dated September 29, 2006.

Hygientics Environmental Services, Inc. Exploration for Potential Waste Oil Underground Storage Tank dated November 14, 2006.

Keith G. Farrell consulting Geologist , Environmental Review dated February 9, 2007

Certified Laboratory Report/Chain of Custody dated March 6, 2007

12.0 APPENDICES

- Appendix A - Site Vicinity Map
- Appendix B - Site Map
- Appendix C - Aerial Photo of Site
- Appendix D - Soil Boring Location Map
- Appendix E - Regulatory Responses
- Appendix F - User Questionnaire
- Appendix G- Records of Communication
- Appendix H - Terminology
- Appendix I - Certified Laboratory Results
- Appendix J - Previous Reports

TERMINOLOGY

The following provides definitions and descriptions of certain terms that may be used in this report. Italics indicate terms that are defined by ASTM Designation E 1527-05 and should be referenced for further detail (such as the precise wording), related definitions or additional explanation regarding the meaning of terms.

recognized environmental condition(s) (REC) - the presence or likely presence of any *hazardous substances* or *petroleum products* on a *property* under conditions that indicate an existing release, a past release, or a *material threat* of a release of any *hazardous substances* or *petroleum products* into structures on the *property* or into the ground, ground water, or surface water of the *property*. The term includes *hazardous substances* or *petroleum products* even under conditions in compliance with laws. The term is not intended to include *de minimus* conditions.

de minimus conditions – are conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be *de minimus* are not *recognized environmental conditions*.

historical recognized environmental condition(s) (HREC) - environmental condition which in the past would have been considered a *recognized environmental condition*, but which may or may not be considered a *recognized environmental condition* currently. The final decision rests with the *environmental professional* and will be influenced by the current impact of the *historical recognized environmental condition* on the *property*. If a past release of any *hazardous substances* or *petroleum products* has occurred in connection with the *property*, with such remediation accepted by the responsible regulatory agency (for example, as evidenced by the issuance of a no further action letter or equivalent), this condition shall be considered a *historical recognized environmental condition*.

material threat – a physically observable or obvious threat, which is reasonably likely to lead to a release that, in the opinion of the *environmental professional*, is threatening and might result in impact to public health or the environment. An example might include an aboveground storage tank that contains a hazardous substance and which shows evidence of damage such that it may cause or contribute to tank integrity failure with a release of contents to the environment.

material impact to public health or environment – a substantial risk of harm to public health or the environment resulting from the presence or likely presence of an existing release, a past release, or a *material threat* of a release of any *hazardous substances* or *petroleum products* into structures on the *property* or into the ground, ground water, or surface water of the *property*. An example might include a release of a hazardous substance in concentrations exceeding applicable governmental agency standards under conditions that could reasonably and foreseeably result in substantial exposure to humans or substantial damage to natural resources. The risk of that exposure or damage would represent a material impact to public health or environment.

general risk of enforcement action – the likelihood that an environmental condition would be subject to enforcement action if brought to the attention of appropriate governmental agencies. If the circumstances suggest an enforcement action would be more likely than not, then the condition is considered a general risk of enforcement action.

APPENDIX A
SITE VICINITY MAP

APPENDIX B

SITE MAP

APPENDIX C

AERIAL PHOTO OF SITE

APPENDIX D

SOIL BORING LOCATION MAP

APPENDIX E
REGULATORY RESPONSES

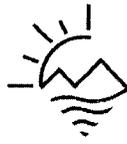
APPENDIX F
USER QUESTIONNAIRE

APPENDIX G
RECORDS OF COMMUNICATION

APPENDIX H
TERMINOLOGY

APPENDIX I
CERTIFIED LABORATORY REPORTS

APPENDIX J
PREVIOUS REPORTS



Department of Toxic Substances Control



Linda S. Adams
Secretary for
Environmental Protection

Maureen F. Gorsen, Director
5796 Corporate Avenue
Cypress, California 90630



Arnold Schwarzenegger
Governor

February 28, 2007

Mr. Timothy J. Lane
Principal
Calvada Environmental Services, Inc.
1560 Commerce Street, Unit D
Corona, California 92280

4201 EAST WILLOW AVENUE, LONG BEACH, CA 90815
PR#40227079

Dear Mr. Lane:

The Department of Toxic Substances Control has received your letter to review records under the Public Records Act.

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

If you have any questions or would like further information regarding your request, please contact our Regional Records Coordinators at (714) 484-5337.

Sincerely,

Sofia Olmedo
Regional Records Coordinator

brm

Tim Lane

From: Leticia Servin [Leticia_Servin@longbeach.gov]
Sent: Tuesday, March 06, 2007 10:19 AM
To: tim@calvadaenvironmental.com
Subject: File Search for: 4201 E. Willow

Good morning Timothy,

We received your fax for a file search for records on **4201 E. Willow Avenue, Long Beach, CA**. We do have some files that are available for review to the public. These files can't be faxed or emailed. Yet, they can be viewed here @ LBFD headquarter during our office hours, no appointments are needed. You are welcome to bring a camera, scanner, or any other form of copy making if you'd like. Otherwise, we can make the copies for you at 10 cents a copy. If you have any questions, please feel free to contact me.

-Leti

Long Beach Fire Department Headquarters
Bureau of Fire Prevention
925 Harbor Plaza, Suite 100
Long Beach, CA 90802
Office hours: 8 am- 4 pm



Long Beach Fire Department
Bureau of Fire Prevention
Direct Line: (562) 570-2543
Office Line: (562) 570-2563
Fax Number: (562) 570-2566
leticia_servin@longbeach.gov

100 W. Broadway



February 27, 2007

FAXED
2/27/07

Long Beach Fire Department
Fire Operations Bureau
925 Harbor Plaza, Suite 100
Long Beach, California 90802
Telephone (562) 570-2560
Facsimile: (562) 570-2566

RE: Hazardous Materials Records

Please commence a records search for any complaints, violations, incidents, permits, applications, hazardous materials spills, and/or inspections that have occurred at the following address(es):

4201 E. Willow Avenue
Long Beach, CA 90815

Please let me know as soon as possible when the search has been completed. Thank you for your prompt attention to this matter. Please feel free to call me if any questions should arise.

Sincerely,
Calvada Environmental Services, Inc.



Timothy J. Lane
Principal



FAXED
2/27/07

February 27, 2007

Ms. Julie Johnson
California Environmental Protection Agency
Department of Toxic Substances Control
File Review
5796 Corporate Avenue
Cypress, California 90630
Fax: 714/484-5302

Re: Hazardous Materials Records

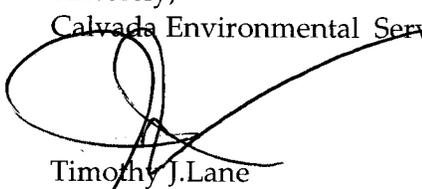
Dear Ms. Johnson:

Please commence a records search for any files that may exist for the following address (es)/site(s):

4201 E. Willow Avenue
Long Beach, CA 90815

Please let us know as soon as possible when the search has been completed. Thank you for your prompt attention to this matter. Please feel free to call if you have any questions.

Sincerely,
Calvada Environmental Services, Inc.



Timothy J. Lane
Principal

FAXED
2/27/07



February 27, 2007

Mr. Jeff Benedict
LONG BEACH HEALTH DEPARTMENT
2525 Grand Avenue
Long Beach, California 90815
Phone: (562) 570-4153
Fax: (562) 570-4038

Re: UST Records
4201 E. Willow Street
Long Beach, CA 90815

Dear Mr. Benedict:

Please commence a records search for any underground storage tank information that you may have for the following site:

4201 E. Willow Street
Long Beach, CA 90815

Please let us know as soon as possible when the search has been completed. Thank you for your prompt attention to this matter. Please feel free to call me if any questions should arise.

Sincerely,

Calvada Environmental Services, Inc.



Timothy J. Lane
Principal

UNIFIED PROGRAM CONSOLIDATED FORM

BUSINESS ACTIVITIES

PAGE 1 OF 1

I. FACILITY IDENTIFICATION

FACILITY ID #	1	EPA ID# (hazardous Waste Only)	2
		CAL000301953	
BUSINESS NAME (Same as FACILITY NAME or DBA-Doing Business As)			
KIA OF LONG BEACH			

II. ACTIVITIES DECLARATION

**NOTE: If you check YES to any part of this list,
please submit the Business Owner/Operator Identification page (OES Form 2730).**

Does your facility . . .	If Yes, please complete these pages of the UPCF . . .		
A. HAZARDOUS MATERIALS			
Have on site (for any purpose) hazardous materials at or above 55 gallons for liquids, 500 pounds for solids, or 200 cubic feet for compressed gases (include liquids in ASTs and USTs); or the applicable Federal threshold quantity for an extremely hazardous substance specified in 40CFR Part 355, Appendix A or B; or handle radiological materials in quantities for which an emergency plan is required pursuant to 10CFR Parts 30, 40 or 70?	<input checked="" type="radio"/> YES <input type="radio"/> NO 4.	k	HAZARDOUS MATERIAL INVENTORY - CHEMICAL DESCRIPTION (OES 2731)
B. UNDERGROUND STORAGE TANKS (USTs)			
1. Own or operate underground storage tank?	<input type="radio"/> YES <input checked="" type="radio"/> NO 5.	k	UST FACILITY (Formerly SWRCB Form A)
2. Intend to upgrade existing or install new USTs?	<input type="radio"/> YES <input checked="" type="radio"/> NO 6.	k	UST TANK (one page per tank) (Formerly Form B)
3. Need to report closing a UST?	<input type="radio"/> YES <input checked="" type="radio"/> NO 7.	k	UST FACILITY UST TANK (one per tank) UST INSTALLATION - CERTIFICATE OF COMPLIANCE (one per page per tank) (Formerly Form C) UST TANK (closure portion—one page per tank)
C. ABOVE GROUND PETROLEUM STORAGE TANKS (ASTS)			
Own or operate ASTs above these thresholds: --any tank capacity is greater than 660 gallons, or --the total capacity for the facility is greater than 1,320 gallons?	<input checked="" type="radio"/> YES <input type="radio"/> NO 8.		NO FORM REQUIRED TO CUPAS
D. HAZARDOUS WASTE			
1. Generate hazardous waste?	<input checked="" type="radio"/> YES <input type="radio"/> NO 9.	k	EPA ID NUMBER --provide at the top of this page
2. Recycle more than 100 kg/month of excluded or exempted recyclable materials (per HSC §25143.2)?	<input type="radio"/> YES <input checked="" type="radio"/> NO 10.	k	RECYCLABLE MATERIALS REPORT (one per recycler)
3. Treat a hazardous waste on site?	<input type="radio"/> YES <input checked="" type="radio"/> NO 11.	k	ONSITE HAZARDOUS WASTE TREATMENT - FACILITY (Formerly DTSC Form 1772)
4. Treatment subject to financial assurance requirements (for Permit by Rule and Conditional Authorization)?	<input type="radio"/> YES <input checked="" type="radio"/> NO 12.	k	ONSITE HAZARDOUS WASTE TREATMENT - UNIT (one page per unit) (Formerly DTSC Form 1772A,B,C,D, and L)
5. Consolidate hazardous waste generated at a remote site?	<input type="radio"/> YES <input checked="" type="radio"/> NO 13.	k	CERTIFICATION OF FINANCIAL ASSURANCE (Formerly DTSC Form 1232)
6. Need to report the closure/removal of a tank that was classified as hazardous waste and cleaned onsite?	<input type="radio"/> YES <input checked="" type="radio"/> NO 14.	k	REMOTE WASTE/CONSOLIDATION SITE ANNUAL NOTIFICATION (Formerly DTSC Form 1196)
E. LOCAL REQUIREMENTS			
Have Regulated Substances (RS) including Extremely Hazardous Substances (EHS) stored on site at greater than the threshold planning quantities established by the California Accidental Release Program (Cal ARP)?	<input type="radio"/> YES <input checked="" type="radio"/> NO		In addition to Hazardous Materials requirements, complete: k Regulated Substance Registration k Risk Management Plan (when required)
a. Have hazardous materials stored on site at or above a threshold amount established by a CUPA'S or PA's local ordinance?	<input type="radio"/> YES <input checked="" type="radio"/> NO		k Consult local CUPA or PA for added reporting requirements.
b. Required by a CUPA OR PA to provide other information?	<input checked="" type="radio"/> YES <input type="radio"/> NO		k Waste Generator form (LA County)

CITY OF LONG BEACH — DEPARTMENT OF FIRE
INSPECTION NOTICE

BUREAU OF FIRE PREVENTION
Phone: 435-2458

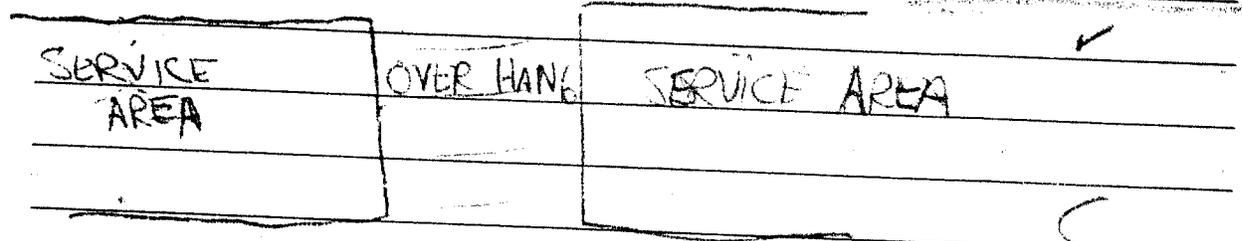
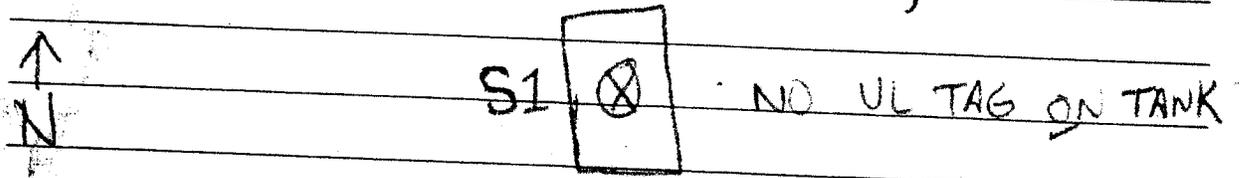
Date AUG. 18, 1989

NAME R.D. GOULD (HEALEY ENVIRONMENTAL, CONTRACTOR)

ADDRESS 4201 E. WILLOW ST.

In accordance with the provisions of LBMC 18.48.010 an inspection of the above premises has been made; the following corrections are necessary to provide reasonable fire safety:

- Item # REMOVE 1 UNDERGROUND STORAGE TANK LOW ST AND TAKE SOIL SAMPLES AS INDICATED AT A DEPTH OF 3' TO 5' BENEATH TANKS. TEST FOR CONTENTS OF TANKS. FURNISH L.B. HEALTH AND L.B. FIRE PREVENTION WITH FINAL SOIL ANALYSIS



⊗ DENOTES AREA OF SAMPLE
CONTRACTOR - HEALEY ENVIRONMENTAL

PINK HANDOUT ISSUED

x Rec'd Pete Martin
PETE MARTIN

1st NOTICE

FINAL NOTICE

The above must be complied with within _____ days to avoid subsequent action.

FRANK GALINOO
INSPECTOR NAME (PRINT)

F.P.
STA/SHIFT

CITY OF LONG BEACH — DEPARTMENT OF FIRE
INSPECTION NOTICE

BUREAU OF FIRE PREVENTION
Phone: 435-2458

Date AUG. 18, 1989

NAME R.D. GOULD (HEALEY ENVIRONMENTAL, CONTRACTOR)

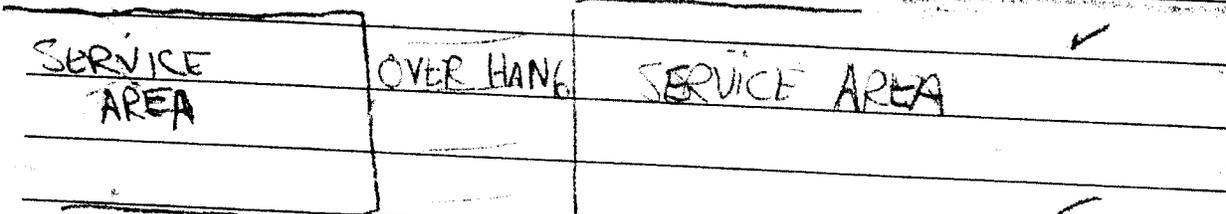
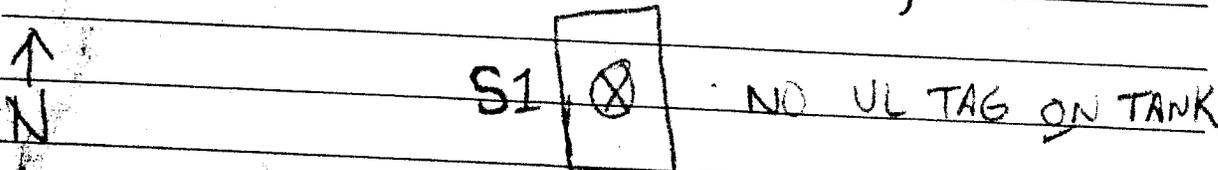
ADDRESS 4201 E. WILLOW ST.

In accordance with the provisions of LBMC 18.48.010 an inspection of the above premises has been made; the following corrections are necessary to provide reasonable fire safety:

Item # REMOVE 1 UNDERGROUND STORAGE TANK LOW ST AND TAKE SOIL SAMPLES AS INDICATED AT A DEPTH

Item # OF 3' TO 5' BENEATH TANKS. TEST FOR CONTENTS OF TANKS. FURNISH L.B. HEALTH AND L.B. FIRE

Item # PREVENTION WITH FINAL SOIL ANALYSIS



⊗ DENOTES AREA OF SAMPLE
CONTRACTOR - HEALEY ENVIRONMENTAL

PINK HANDOUT ISSUED

x
Rec'd Pete Martin
PETE MARTIN

1st NOTICE

FINAL NOTICE

The above must be complied with within _____ days to avoid subsequent action.

FRANK GALINDO
INSPECTOR NAME (PRINT)

F.P.
STA/SHIFT

LONG BEACH FIRE DEPARTMENT
 FIRE PREVENTION BUREAU
 -- Underground Storage Tanks --

Tanks	Tank Test	Leak	Strt Number	Street Name	Business Name	DF
0F	*****	*****	3111	E WILLOW ST	** SWENSON-> MARINE 88 INSTALLED 2M JOOR (MOTOR OIL) UL#27623 SWENSON-> MARINE 88 REMOVED 1.5M MOTOR OIL FLEET SERVICES SWENSON-> TANKS INSTALLED UNKNOWN DATE	-> 6021
0F	*****	*****	3311	E WILLOW ST	** SWENSON-> F.A.FULLER CONST RMVD 3 (2 2M,5M) FOR CITY OF L.B. SWENSON-> COAS EQUIP INST 5M DIESEL E822628 FOR O'MEARA & ROGERS CONST. WHEN WERE THE 2M'S INSTALLED	-> 6022
0T	*****	*****	3333	E WILLOW ST	** CIRCLE MOVING & STORAGE INC SWENSON-> HEALTH SAYS CLEAN	-> 1197
0T	*****	*****	3366	E WILLOW ST	** OFFICE DEPOT SWENSON-> HEALTH SAYS CLEAN CONTACT JEFF BENEDICT 570-4128 PERKINS-> M.T.WALKER RMV'D 2 12M (GAS & DIESEL) PROJ #357365. R.CHANG (REM) (626)336-9608 SAMPLING TO CHEMICAL & ENV LABS 921-8123 SWENSON-> ISSUED 1998 COMPLIANCE STICKER #05776 TO M.MCCARTHY PORTER-> BILLED UST NON-COMPLIANCE #2, 7 & 9 11/13 & 12/15 PORTER-> NON-COMPLIANCE 1, 2, 3, 5, 7 & 9 - BILL \$50 PORTER-> NO A&B FORMS, WRMP & FINANCIAL RESPONSIBILITY PORTER-> ELEC. MONITOR CERTIFIED (RED JACKET PPM 4000) SWENSON-> L.A.COUNTY INSTALLED 2 (12M D/W JOOR & ?M S/W F/G)	-> 232
0T	*****	*****	3399	E WILLOW ST	** COAST CADILLAC SWENSON-> DIRTY-HEALTH LEAD CONTACT MITCH YAMADA 570-4136 SWENSON-> DIRTY HEALTH LEAD SWENSON-> DIRTY-HEALTH LEAD GALINDO-> COAST CADILLAC REMOVED 2 (10M GAS, 1M W/O) HEALY	-> 1225
0T	*****	*****	4201	E WILLOW ST	** BROWNING LONG BEACH OLDSMOBILE/SAAB SWENSON-> HEALTH SAYS CLEAN MCINTYRE-> HEALY REMOVED 550 W/O	-> 1482

Enviro - Chem, Inc.**1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907**

Date: March 9, 2007

Mr. Timothy Lane
Calvada Environmental Services, Inc.
1560 Commerce Street, Unit D
Corona, CA 92880
Tel(951)808-8585 Fax(951)808-8405

Project: **Former Kia / CES 07.057**
Lab I.D.: **070306-23 through -30**

Dear Mr. Lane:

The **analytical results** for the soil samples, received by our lab on March 6, 2007, are attached. The samples were received chilled, intact, and accompanying chain of custody.

Enviro-Chem appreciates the opportunity to provide you and your company this and other services. Please do not hesitate to call us if you have any questions.

Sincerely,



Curtis Desilets
Vice President/Program Manager



Jesse Ta, Ph.D.
Laboratory Manager

Enviro - Chem, Inc.

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: Calvada Environmental Services, Inc.
 1560 Commerce Street, Unit D
 Corona, CA 92880
 Tel(951)808-8585 Fax(951)808-8405

PROJECT: Former Kia / 07.057

DATE RECEIVED: 03/06/07

SAMPLING DATE: 03/06/07

DATE EXTRACTED: 03/06/07

MATRIX: SOIL

DATE ANALYZED: 03/06-07/07

REPORT TO: MR. TIMOTHY LANE

DATE REPORTED: 03/09/07

TOTAL PETROLEUM HYDROCARBONS (TPH) - CARBON CHAIN ANALYSIS

METHOD: EPA 8015B

UNIT: MG/KG = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	C4-C10	C11-C22	C23-C35	DF
SB-1-10	070306-24	ND	ND	ND	1
SB-2-10	070306-26	ND	ND	ND	1
SB-3-10	070306-28	ND	ND	ND	1
SB-4-10	070306-30	ND	ND	ND	1
METHOD BLANK		ND	ND	ND	1
	PQL	0.100	10	50	

COMMENTS

C4-C10 = GASOLINE RANGE

C11-C22 = DIESEL RANGE

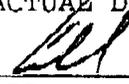
C23-C35 = MOTOR OIL RANGE

DF = DILUTION FACTOR

PQL = PRACTICAL QUANTITATION LIMIT

ACTUAL DETECTION LIMIT = DF X PQL

ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

Data Reviewed and Approved by: 

CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro - Chem, Inc.

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

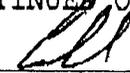
CUSTOMER: **Calvada Environmental Services, Inc.**
 1560 Commerce Street, Unit D
 Corona, CA 92880
 Tel(951)808-8585 Fax(951)808-8405

PROJECT: **Former Kia / 07.057**SAMPLING DATE: **03/06/07**DATE RECEIVED: **03/06/07**MATRIX: **SOIL**DATE ANALYZED: **03/06/07**REPORT TO: **MR. TIMOTHY LANE**DATE REPORTED: **03/09/07**SAMPLE I.D.: **SB-4-10**LAB I.D.: **070306-30**

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: MG/KG = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: 

Enviro - Chem, Inc.

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Calvada Environmental Services, Inc.**
 1560 Commerce Street, Unit D
 Corona, CA 92880
 Tel (951) 808-8585 Fax (951) 808-8405

PROJECT: **Former Kia / 07.057**SAMPLING DATE: **03/06/07**DATE RECEIVED: **03/06/07**MATRIX: **SOIL**DATE ANALYZED: **03/06/07**REPORT TO: **MR. TIMOTHY LANE**DATE REPORTED: **03/09/07**SAMPLE I.D.: **SB-4-10**LAB I.D.: **070306-30**

ANALYSIS: **VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2**
 UNIT: **MG/KG = MILLIGRAM PER KILOGRAM = PPM**

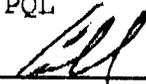
PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT

ND = NON-DETECTED OR BELOW THE PQL

DATA REVIEWED AND APPROVED BY:

CAL-DHS CERTIFICATE # 1555



Enviro-Chem, Inc. Laboratories
 1214 E. Lexington Avenue,
 Pomona, CA 91766
 Tel: (909) 590-5905 Fax: (909) 590-5907
 CA-DHS ELAP CERTIFICATE # 1555

Turnaround Time
 Same Day
 24 Hours
 48 Hours
 72 Hours
 1 Week (Standard)
 Other:



SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONTAINERS	TEMPERATURE	PRESERVATION	Analysis Required		COMMENTS
SB-1-5	070206-23	3/10/07	9:05	Soil	1	40	-			Misc. RUSH - DR FRAMA
SB-1-10	-24		7:15		1	40	-	X		
SB-2-5	-25		7:25		1	40	-	X		
SB-2-10	-26		7:30		1	40	-	X		
SB-3-5	-27		8:10		1	40	-	X		
SB-3-10	-28		8:15		1	40	-	X		
SB-3-5	-29		9:00		1	40	-	X		
SB-4-10	-30		9:15		1	40	-	X		

Company Name: **CEB**
 Address: **1560 Commerce St UNIT 9**
 City/State/Zip: **Pomona CA 91766**
 Tel: **909-908-8585**
 Fax: **951-805-8405**
 Project Contact: **CEB Tina Lu**
 Project Name/ID: **Fumer 07-057**
 Sampler's Signature: *[Signature]*

Received by: *[Signature]*
 Relinquished by: *[Signature]*
 Relinquished by: *[Signature]*

Instructions for Sample Storage After Analysis:
 Dispose of Return to Client Store (30 Days)
 Other:
 Date & Time: **3/8/07 11:50**
 Date & Time:
 Date: **3-6-07**

CHAIN OF CUSTODY RECORD

WHITE WITH SAMPLE - YELLOW TO CLIENT

SUNIL GUPTA
California Registered Civil Engineer # 42195
11, Fox Hollow
Irvine, CA 92714
Telephone No. (714) 733-9786

Healy Environmental, Inc.
11211 Chandler Boulevard
North Hollywood, CA 91605

October 16, 1989

Attention: Mr. Paul Earney

Subject: Closure Report
Closure Permit No. 000681
Issued on August 1, 1989

Property R. O. Gould
Location: 4201 East Willow
Long Beach, California 90806

Gentlemen:

This report is submitted in accordance with the provisions of Closure Permit No. 000681, issued by the Bureau of Fire Prevention, Long Beach, on August 1, 1989, with regards to the removal of one underground fuel storage tanks from the property of Mr. R. O. Gould, located at 4201 East Willow, Long Beach, California 90806.

Figure 1 - Plot Plan of the subject site shows the location of the underground storage tank (550 gallon waste oil tank), and the locations of soil samples obtained.

On August 18, 1989, the subject 550-gallon waste oil tank was drained, uncovered, washed and triple rinsed, and decontaminated. Prior to pulling each tank was purged with approximately 15 pounds of ice. Inspector Swensen from the County of Los Angeles, Fire Department was present on the site. The UL tags were found,

recorded and retained by Inspector Swensen. When the L.E.L. readings were 0 percent, the tanks were pulled with a crane and delivered to American Metal Recycling, Inc., located at 2202 South Milliken, Ontario, California 91761, for destruction. Copies of the certification of tank destruction are enclosed. Also enclosed are the work orders for triple rinse and manifest numbers for disposal of liquid from the operations.

After the removal of tanks, one soil samples was obtained by a representative of Healy Environmental, Inc., from the bottom of the underground storage tank removed. The soil sample obtained was immediately packed overflowing into Mason jars, closed with Mason lids and screw bands, sealed with tin foil and duct taped, labeled and immediately placed into a refrigerated ice-chest. The sample was then transported by a company vehicle to a state certified laboratory Golden State Analytical Services, Inc., Van Nuys, California) accompanied by a chain-of-custody form.

The soil sample were analyzed by EPA Methods 8015 and 418.1 for total petroleum hydrocarbons (TPH). The chain-of-custody and history of events for the soil samples and analysis are documented in the attached enclosures. The date and time at which soil samples were obtained are also indicated on the chain-of-custody forms.

Groundwater was not encountered in the excavation made for the removal of the subject tank. Groundwater depth is reported by Flood Control District (Tel. No. 818-458-6120) to be 94 feet below ground surface at monitoring well # 4605 as measured in March 1989.

The laboratory test result (shown below in Table 1), performed on the soil samples obtained from beneath the removed underground storage tank indicated no detectable amounts of total petroleum hydrocarbons (TPH).

TABLE 1: SUMMARY OF LABORATORY TEST RESULTS

Sample No.	<u>EPA Method 418.1</u>	<u>EPA Method 8015</u>
	Total Petroleum Hydrocarbons (mg/Kg)	
SP-1	ND	ND

ND = Not Detected above Detection Limit

Based upon these laboratory test results, it was, therefore concluded that no contamination of soils is present underlying the removed 550-gallon Waste oil tank. Additionally, the banks of the excavations made for tank removal did not appear to exhibit any discoloration. The tank was inspected upon removal from the excavation. These observations did not reveal visual evidence of tank leakage, broken seams or holes. From these inspections, it appeared that the 550-gallon tank was in sound condition.

CONCLUSIONS

Based upon the results obtained from the laboratory test analysis, it is concluded that no contamination exists beneath the removed underground tank. No soil was removed from the property as a result of the tank removal. The subject site is considered to

be free of contamination and the surface of the ground has been restored to the specifications of the owner. It is further recommended that the tank closure activities, as authorized by the subject closure permit, be considered complete and the property owner be notified.

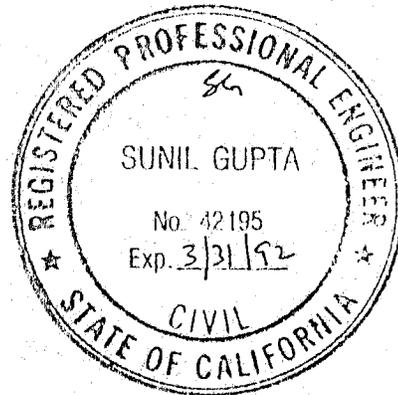
Although our evaluation of the laboratory test data did not reveal obvious deficiencies, we do not guarantee the Contractor's work, nor do the services performed by us relieve the Contractor of responsibility in the event of subsequently discovered defects.

Please feel free to contact Healy Environmental, Inc., if there are any questions concerning this report.

Sincerely,

Sunil Gupta

Sunil Gupta
California RCE# 42195
(expires 03/31/92)



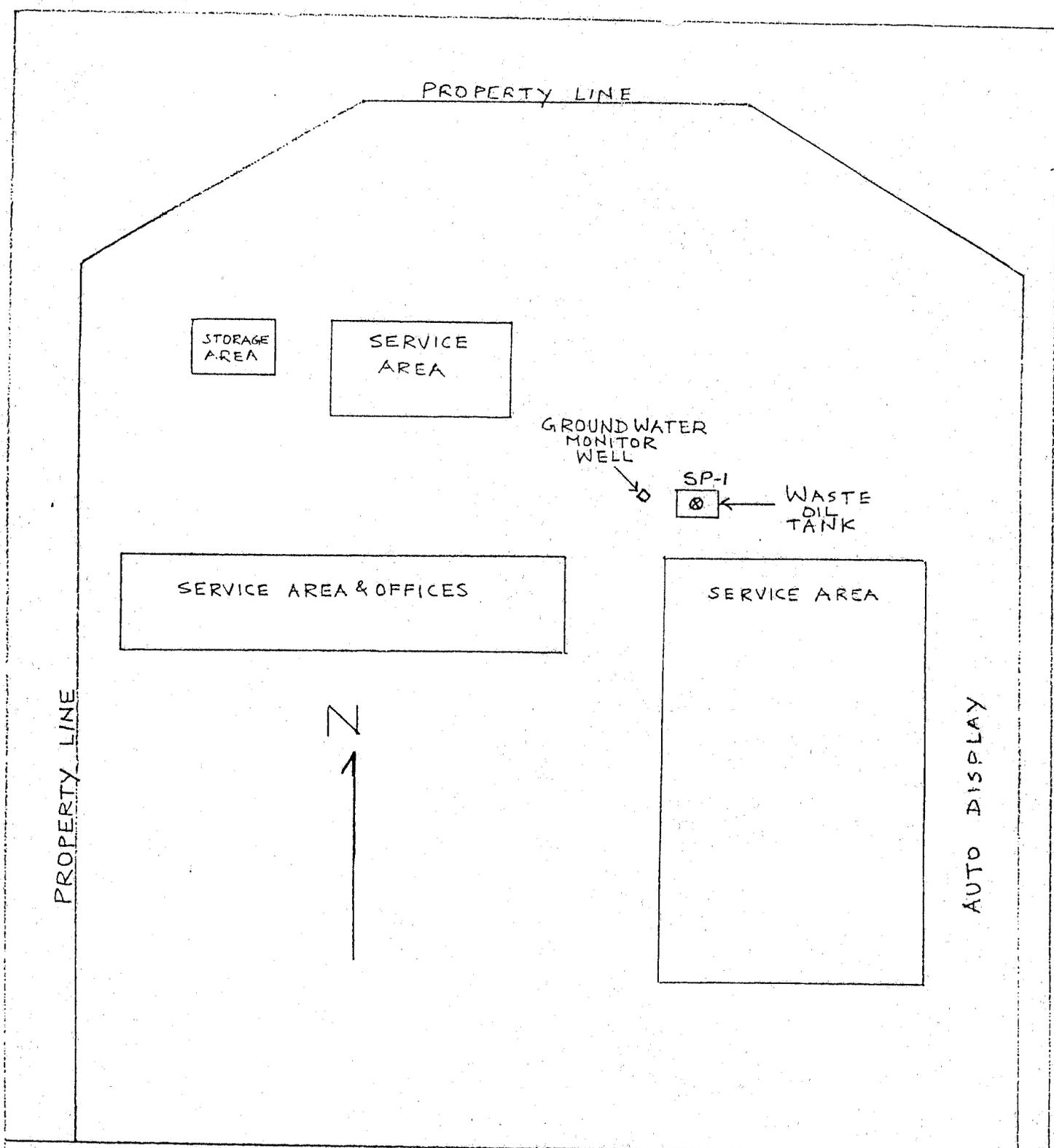


FIGURE 1: SITE PLAN

SITE ADDRESS:
4201 E. WILLOW
LONG BEACH, CALIFORNIA

APPENDIX

BUREAU OF FIRE PREVENTION
DEPARTMENT OF FIRE • 400 WEST BROADWAY • LONG BEACH, CA 90802

APPLICATION AND PERMIT TO REMOVE OR ABANDON STORAGE TANK(S)

ANY TANK(S) USED FOR THE STORAGE OF ANY HAZARDOUS AND/OR FLAMMABLE LIQUIDS

NO. TRA- 000681

ACCT. NO. _____

PROPERTY OWNER HAL SCHELLENBORGER PHONE 213 775-2424

ADDRESS 4201 E WILLOW LONG BEACH

FACILITY NAME R.O. GOULD PHONE 213 595-1801

FACILITY ADDRESS 4201 E WILLOW LONG BEACH

TYPE OF BUSINESS CAR DEALERSHIP OCC. CLASS ~~RETAIL~~

OPERATOR/TENANT/SUPERVISOR FRANK SCESNET RES. PHONE 213 595-1801

RES. ADDRESS 4201 E WILLOW LONG BEACH

TOTAL NO. OF EXISTING TANKS
ABOVE GRND _____ UNDER GRND 1 LAST/PRIOR INSTALLATION PERMIT NO. _____

NO. OF TANKS TO BE REMOVED/ABANDONED
ABOVE GRND _____ UNDER GRND 1 TANK CONST. MATERIAL STEEL SINGLE WALLED

NAME OF CONTRACTOR HENDI/T-RECISION TANK TESTING CITY BUS. LIC. NO. 293269

STATE CONTRACTOR'S LIC. NO. 551074 CLASSIFICATION C61

ADDRESS 11211 CHANDLER TR N. HOLLYWOOD PHONE 313 766-2222

This application and permit is for the removal _____ abandonment _____ of tank(s) identified on this form, and shall only be valid and in force for a maximum of ten (10) working days from date of application.

Permittee or his authorized agent shall notify the Hazardous Materials Unit, Long Beach Health Department, Phone No. (213) 427-7421 and Bureau of Fire Prevention, Long Beach Fire Department, Phone No. (213) 435-2458 a minimum of 72 hours prior to the removal or filling of any tank(s). An official from each of these two departments shall be present at the job site to witness the removal or filling of any and all tanks. All directions made/given by these City officials shall be complied within a timely and reasonable fashion.

When any underground storage tank(s) is/are removed from the ground, the resulting excavated site shall be secured in an approved manner until filled. Any excavation shall be temporarily backfilled or enclosed by a fence with a minimum height of six (6) feet. If the foregoing security measures are not feasible, a security guard shall be provided, until the completion of the permit, by the permittee and at the expense of the permittee. The structural integrity of the tank(s) shall be maintained during removal and transport. Tank(s) removed from the ground are not permitted to remain at the site or within the City limits overnight. No temporary or permanent storage of any used hazardous or flammable liquids/materials storage tank(s) is/are permitted within the City limits of Long Beach.

The removal or filling of any tank(s) shall be in accordance with Long Beach Municipal Code, Title 18.48; California State Health and Safety Code, Division 20, Chapter 6.5; the Uniform Fire Code, Articles 79 and 80; and LBFD Fire Prevention Requirements, the 14 series.

I, THE UNDERSIGNED, HAVE READ COMPLETELY AND FULLY UNDERSTAND THE ABOVE LONG BEACH FIRE DEPARTMENT REQUIREMENTS WHICH APPLY TO THIS APPLICATION AND PERMIT. I, THE UNDERSIGNED, ATTEST TO THE BEST OF MY KNOWLEDGE, UNDER THE PENALTY OF PERJURY, THAT THE ABOVE PROVIDED INFORMATION IS TRUE AND CORRECT. I, THE UNDERSIGNED, ACCEPT THE CONDITION THAT ANY DEVIATION(S) FROM AND/OR MISINFORMATION ON THIS FORM WILL RENDER THIS APPLICATION AND PERMIT NULL AND VOID.

APPLICANT SIGNATURE [Signature] DATE 8-1-89

PRINTED NAME MICHAEL SMITH TITLE PERMITS PHONE 313 766-2222

APPLICATION APPROVED DENIED _____ BY Richard W. McAtylo DATE 8-1-89
LBFD Fire Prevention Official

FOR FIRE DEPARTMENT USE ONLY

TANK(S) UL NO #1 _____ #2 _____ #3 _____ #4 _____

TANK CAPACITY #1 _____ #2 _____ #3 _____ #4 _____

FINAL INSPECTION BY _____ DATE _____

LBFD Fire Prevention Official witnessing tank removal or filling

COPY DISTRIBUTION

WHITE: LBFD Bureau of Fire Prevention
GREEN: LBHD Hazardous Materials Unit

CANARY: extra copy
PINK: applicant's copy

GOLDENROD: property owner's copy
FR-29 (7/88)

TYPE OR USE BLACK INK ONLY

EDWIN S. WYNKOOP, P.E. and ASSOCIATES
 CERTIFIED SAFETY PROFESSIONAL
 LICENSE NO. 2960
 (818) 333-0873

15241 Valdemar Dr.
 Hacienda Heights, CA 91745

CERTIFICATE SERIAL 1295

Healy Envirio
 R.O. Gould
 Survey Requested by
 Tank
 Vessel
 Last Three (3) Cargoes
 R.O. GOULD
 Vessel Owner or Agent
 Steel
 Type of Vessel
 LEL-O₂-VISUAL
 Tests Performed
 8-18-89
 Date
 Willow Long Beach
 Specific Location of Vessel
 12.50
 Time Survey Completed

This underground Tank is identified with Red Paint - 1295 -

Tank Tested 0% LEL / 20.9% oxygen

Not Safe For Workers To Enter

#1 - Tank 550 Gal Cap.

Not Tested For Specific Toxics

This Tank has been washed on-site and certified as clean and vapor free (zero percent of the lower explosive limit). This cleaned tank is no longer a hazardous waste and may be transported for either disposal, material recycling or salvage.

In the event of any physical or atmospheric changes adversely affecting the STANDARD SAFETY DESIGNATIONS assigned to any of the above spaces, or if in any doubt, immediately stop all work and contact the undersigned.

QUALIFICATIONS: Transfer of ballast or manipulation of valves or closure equipment tending to alter conditions in pipe lines, tanks or compartments subject to gas accumulation, unless specifically approved in this Certificate, requires inspection and endorsement or reissue of Certificate for the spaces so affected. All lines, vents, heating coils, valves, and similarly enclosed appurtenances shall be considered "not safe" unless otherwise specifically designated.

STANDARD SAFETY DESIGNATIONS (partial list, paraphrased from NFPA 306 Subsections 1-6.1 through 1-6.4, and Subsection 5-3.2).

SAFE FOR WORKERS: Means that in the compartment or space so designated: (a) the oxygen content of the atmosphere is at least 19.5 percent by volume; and that, (b) toxic materials in the atmosphere are within permissible concentrations; and that, (c) the residues are not capable of producing toxic materials under existing atmospheric conditions while maintained as directed on the Certificate.

NOT SAFE FOR WORKERS: Means that in the compartment or space so designated, the requirements of Safe for Workers have not been met.
ENTER WITH RESTRICTIONS: Means that in any compartment or space so designated, entry for work may be made only if conditions of proper protective equipment, clothing, and time are as specified.

SAFE FOR HOT WORK: Means that in the compartment so designated: (a) oxygen content of the atmosphere is at least 19.5 percent by volume, with the exception of inerted spaces or where external hot work is to be performed; and that, (b) the concentration of flammable materials in the atmosphere is below 10 percent of the lower flammable limit; and that, (c) the residues are not capable of producing a higher concentration permitted by (b) above under existing atmospheric conditions in the presence of fire, and while maintained as directed on the Certificate; and further, that, (d) all adjacent spaces containing or having contained flammable or combustible materials have been cleaned sufficiently to prevent the spread of fire, or are satisfactorily inerted, or, in the case of the fuel tanks or lube oil tanks, or engine room or fire room bilges, have been treated in accordance with the requirements.

NOT SAFE FOR HOT WORK: Means that in the compartment so designated, the requirements of Safe for Hot Work have not been met.
SAFE FOR REPAIR YARD ENTRY: Means that the compartments and spaces of the flammable cryogenic liquid carrier so designated: (a) have been tested by sampling at remote sampling stations, and results indicate the atmosphere tested to be above 19.5 percent oxygen, and less than 10 percent of the lower flammable limit, or (b) are inerted.

CERTIFIED SAFETY PROFESSIONAL'S ENDORSEMENT: This is to certify that I have personally determined that all spaces in the foregoing list are in accordance with NFPA 306 Control of Gas Hazards in tanks, etc., have been found the condition of each to be in accordance with the assigned designation.

"The undersigned acknowledges receipt of this Certificate under Section 2-3 of NFPA 306 and understands conditions and limitations under which it was issued."

This Certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.

Signed Pete Martin 8-18-89
 Name Date
Healy Envir.
 Company

Signed Edwin S. Wynkoop Associate
 Name
Edwin S. Wynkoop 2960
 Certified Safety Professional Certificate No.



GOLDEN STATE Analytical Services, Inc.

15735-1 STRATHERN ST.

VAN NUYS, CA 91406

(818) 376-1122

Client: Healy Environmental
 Project Name: R O Gould
 Client Project#: N/A
 Matrix: Soil
 Date Received: 08/23/89
 Date Analyzed: 08/24/89

GSAS Job#: 4549

Total Petroleum Hydrocarbons (8015m - Gasoline)
 =====

Client Sample #	GSAS Sample #	Amount Detected	R.L.
SP1	GS-0889-275	BRL	5.0 mg/Kg

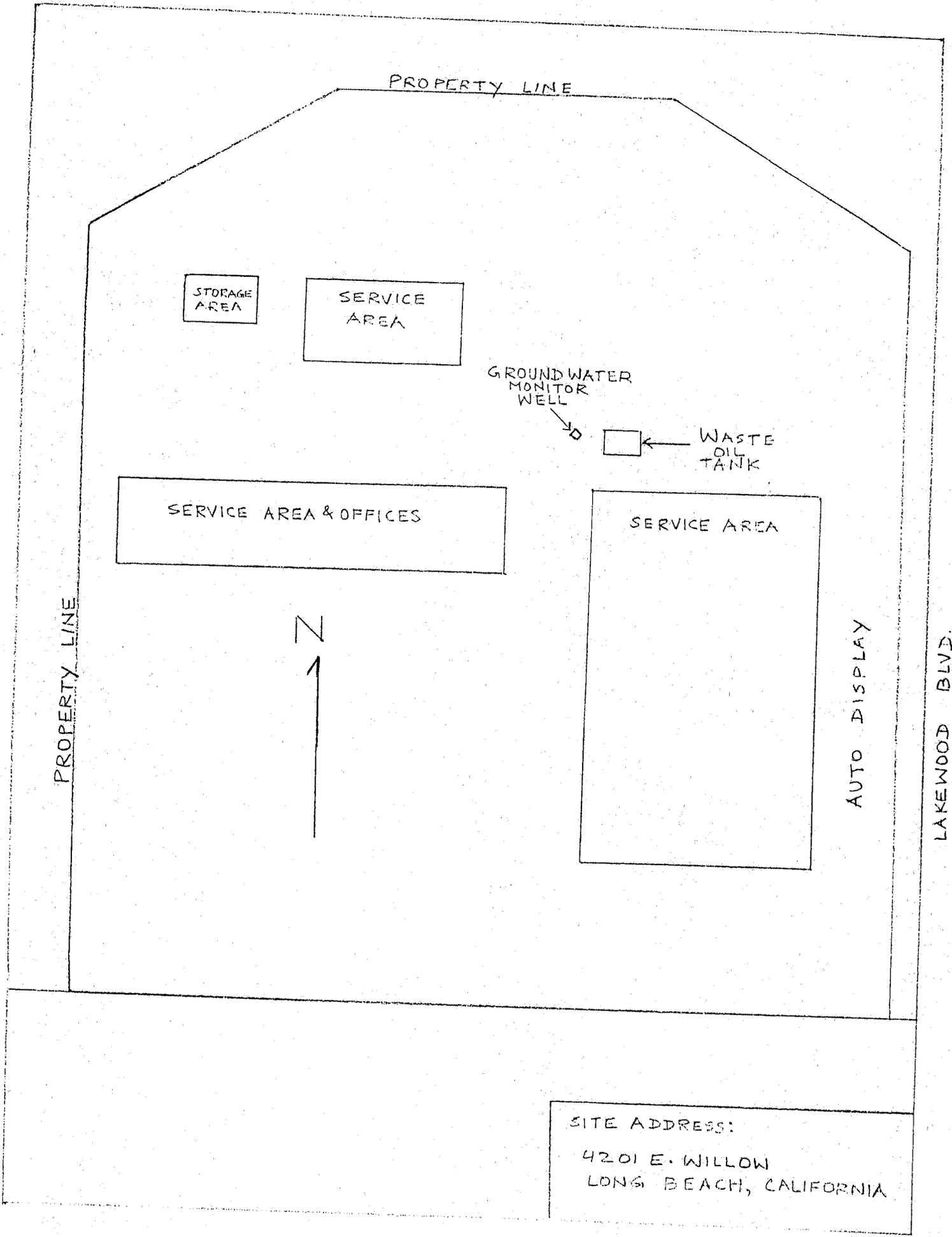
Total Petroleum Hydrocarbons (418.1)
 =====

SP1	GS-0889-275	BRL	10.0 mg/Kg
-----	-------------	-----	------------

 RL: Reporting Limit
 BRL: Below Reporting Limit

Approved by: Dr. B. Gene Bennett

Dr. B. Gene Bennett



PROPERTY LINE

STORAGE AREA

SERVICE AREA

GROUNDWATER MONITOR WELL



WASTE OIL TANK

SERVICE AREA & OFFICES

SERVICE AREA

AUTO DISPLAY

LAKELWOOD BLVD.

PROPERTY LINE



SITE ADDRESS:
4201 E. WILLOW
LONG BEACH, CALIFORNIA

PROPERTY LINE

Service Area

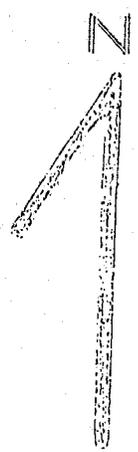
SERVICE AREA

GROUNDWATER MONITOR WELL

WASTE OIL TANK

SERVICE AREA & OFFICES

SERVICE AREA
OFFICES



PROPERTY LINE

AUTO DISPLAY

LAKEMOOD BLVD

E. WILLOW

HEALY
ENVIRONMENTAL INC.

STANLEY HODGE

11211 Chandler Blvd. • No. Hollywood, CA 91601
(818) 766-2222 • (714) 646-2232
FAX (818) 766-8263

CUSTOMER	R. O. Gould
ADDRESS	4201 E. Willow, Long Beach
	(213) 595-1801

