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**Phase I  
Environmental Site Assessment  
901 Embarcadero  
Oakland, California**

13 October 2000

Prepared for  
**Praxair, Inc.**  
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## List of Acronyms

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- ACM – Asbestos-Containing Materials  
APN – Assessors Parcel Number  
ASPIS – Abandoned Site Program Information System  
AST – Aboveground Storage Tank  
ASTM – American Society of Testing and Materials  
AWP – Annual Work Plan  
bgs – Depth below ground surface  
Cal-EPA – California Environmental Protection Agency  
CHMIRS – California Hazardous Materials Incident Reporting System  
DTSC – California Environmental Protection Agency, Department of Toxic Substances Control  
EDR – Environmental Data Resources, Inc.  
EPA – United States Environmental Protection Agency  
FEMA – Federal Emergency Management Agency  
HMBP – Hazardous Materials Business Plan  
LBP – Lead-Based Paint  
LUST – Leaking Underground Storage Tank  
MCL – Maximum Contaminant Level  
mg/kg – Milligrams per Kilogram  
ND – Analyte not detected by laboratory analysis  
OES – California Governor's Office of Emergency Services  
PCBs – Polychlorinated Biphenyls  
PG&E – Pacific Gas & Electric Company  
POLs – Petroleum, Oils, Lubricants  
TPH – Total Petroleum Hydrocarbons  
µg/l – Micrograms per Liter  
USGS – United States Geological Survey  
UST – Underground Storage Tank

## Executive Summary

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Praxair, Inc (Praxair) presently leases an industrial property from the Port of Oakland (Port) at 901 Embarcadero, within the City of Oakland, Alameda County, California (Site). Praxair is the successor to the former Liquid Carbonic Corporation (Liquid Carbonic), which in approximately 1954-1955, entered into a 50-year lease with the Port. Liquid Carbonic historically operated a carbon dioxide gas generation and bottling operation at the Site. Sometime prior to 1971, Liquid Carbonic began acetylene gas generation and bottling operations at the Site. Praxair purchased Liquid Carbonic Corporation in 1996 through acquisition of its parent company, CBI. As successor to the obligations, assets, and liabilities of Liquid Carbonic, the lease of the property transferred to Praxair. In 1998, Praxair subleased the Site and facility improvements to International Gas & Cryogenics, a California Corporation doing business as Alliance Gas Products, Inc. (Alliance).

Praxair requested Kennedy/Jenks Consultants (Kennedy/Jenks) to conduct a Phase I Environmental Site Assessment (ESA) of the Site. In response to this request, Kennedy/Jenks conducted a Phase I ESA in accordance with the agreed scope of work. This scope is generally consistent with the guidelines presented by the American Society of Testing and Materials (ASTM) in Standard E-1527 – *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*.

Based on the information obtained during the ESA, Kennedy/Jenks identified several recognized environmental conditions that may present environmental concerns to Praxair prior to their required return of the subject Site to the Port. These recognized environmental conditions are summarized below:

- Two “bead blast” paint-stripping chambers were located within Building 1, wherein paint was removed from gas cylinders. Residues generated from the bead blast process were ducted outside for capture in “dust containment bins.” The paint residue may contain heavy metals.
  - Neither of the two dust containment bins was equipped with air-filtration bags on the exhaust ports.
  - Dust was apparently allowed to discharge from the bottom of the containment bins, where it was shoveled into open top drums. At the time of the Site reconnaissance, one drum was open, while two other drums did not have their lids secured.
  - None of the drums had proper labeling to indicate the contents, hazard classification, or accumulation start dates. Alliance supplied no information documenting appropriate offsite transport and disposal of this waste.
  - A large amount of caked paint dust was present on the ground beneath and adjacent to the containment bin and drums.
  - Runoff from this open area drained approximately 25 feet to a nearby storm drain inlet, which was marked “Drains to Bay.”
- The production of acetylene gas at the Site historically involved purification through a vessel containing a mixture of dry chemicals called “monkey dust.” The monkey dust reportedly contained mercury bichloride at an approximate concentration of 0.1 percent. Reportedly,

monkey dust was periodically removed and spread to dry in the area between Building 1 and Building 2. This process was continued until the material eventually required replacement due to saturation.

- In the early summer of 2000, regional power supply fluctuations caused the original slab-mounted electrical transformer along the northern Site boundary to fail and explode. Based upon its age, the transformer may have contained PCBs, which may have been released to the area surrounding its former location.
- At the time of the Site reconnaissance, Kennedy/Jenks noted substantial spillage of carbide lime to various locations on the Site. A failure of the acetylene generation system in July 1999 resulted in a reportable release of carbide lime liquids to a nearby estuary of the Oakland Harbor and emergency response by the Oakland Fire Department Office of Emergency Services. The follow-up results from this incident were unavailable to Kennedy/Jenks.
- Empty gas cylinders are pressure tested and re-certified through an on-site hydrostatic pressure test. At the time of the Site reconnaissance, Kennedy/Jenks noted that hydrostatic pressure test wastewater spillage overflowed to a nearby storm drain drop inlet, which was labeled "Drains to Bay."
- Several 55-gallon drums of acetone are maintained adjacent to a shed outside Building 2. The drums were observed within a metal, secondary containment bin, which showed signs of rust and questionable integrity. This containment bin was located on concrete but immediately adjacent to bare earth.
- A small shed formerly associated with historic truck maintenance activities is located adjacent to the northern Site boundary. The shed is constructed of transite asbestos sheeting over a metal frame with a dirt floor. The transite asbestos was damaged in various locations and is considered friable.
- An inoperable hydraulic lift was observed at the eastern loading dock of Building 1. Oil staining around the base of the lift was apparent at the time of the Site reconnaissance. No evidence could be found of the former hydraulic fluid reservoir.
- A large air compressor was noted within a shed attached to the southwest exterior wall of Building 1. The compressor was noted to be in bad condition, with a large amount of oil staining present on the concrete slab below the compressor and on the concrete outside the southern shed wall.
- Kennedy/Jenks observed a spray painting booth in apparent operation in the western end of Building 1. The Alliance representative who accompanied Kennedy/Jenks on the Site reconnaissance noted that the spray paint booth currently does not have a Permit to Operate from the Bay Area Air Quality Management District. Numerous containers of paint were observed stacked adjacent to the spray paint booth.
- Hundreds of older, worn, empty gas cylinders are stored on the ground along the northern Site boundary. During the Site reconnaissance, Kennedy/Jenks observed that some of these cylinders were being removed from the Site.

An historic recognized environmental condition that has apparently been resolved and is no longer considered by Kennedy/Jenks to be a significant environmental concern is the removal of four underground storage tanks (USTs) in 1989 and 1990. These tanks included: one 1,000-gallon gasoline UST (located along the northeastern boundary of the Site), one 2,000-gallon diesel UST and one 4,000-gallon diesel UST (located west of the maintenance shed along the northern Site boundary), and one 2,000-gallon acetone UST (located at the southeastern portion of the Site outside Building 2). Following sampling, excavation of contaminated soils, and groundwater monitoring, the Alameda County Environmental Health Services (the designated lead enforcement agency), issued a "Remedial Action Completion Certification" to the Site on 24 January 1997.

Based on the findings and conclusions presented above, the following recommendations pertaining to operation of the Site have been developed:

- At a minimum, management of the paint dust collection system should be improved to address the following:
  - Install and utilize exhaust bags to capture fugitive dust emissions.
  - Elevate the waste paint dust containment bins so their contents may be discharged directly into hazardous waste drums.
  - Affix and maintain proper labeling to the drums.
  - Clean up and dispose of the caked waste paint dust from the surrounding ground.
- Qualified and state-licensed asbestos abatement contractors should be retained to disassemble the former transite maintenance shed and appropriately ship and dispose of the generated asbestos-containing waste.
- To prevent further release of oil, repair the old compressor located within the shed attached to the southwest exterior wall of Building 1. Clean up oil deposited on the surrounding floor.
- Continue with the removal of old, empty gas cylinders located along the northern portion of the Site.
- Remove the inoperable hydraulic lift and search for the associated hydraulic fluid reservoir. If located, the reservoir should also be removed.
- The secondary containment for the acetone drums should be weatherproofed to prevent infiltration and ponding of water that could impair the integrity of the secondary containment.
- Discontinue direct discharge of hydrostatic pressure test wastewater to the storm drain.
- Confirm that operational practices have been modified to prevent the release of carbide lime ~~carbide~~ to the storm drain system.

In addition, we recommend that Praxair consider additional investigations (i.e., collection and analysis of soil samples) to evaluate the presence of chemicals of concern in the following areas:

- Metals (from paint dust) in the vicinity of the dust containment bins
- Mercury compounds in the former "monkey dust" handling and drying area between Buildings 1 and 2
- PCBs within, beneath and adjacent to, the former slab-mounted transformer pad
- Petroleum hydrocarbons within and to the east of the former truck maintenance area in transite shed
- Hydraulic fluid in the vicinity of the hydraulic lift system associated with the Building 1 loading dock
- Following clean up of the stained area adjacent to the compressor, evaluate oils, potentially including PCBs
- Following removal of the cylinders from the northern portion of the Site, evaluate metals in soils in this area
- Acetone in soils adjacent to the secondary containment for the acetone drums



## Section 1: Introduction

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This introduction section describes the purpose for performing this ESA, the scope of services, authorization, significant assumptions, limitations and exceptions, special terms and conditions, and report reliance.

### 1.1 Purpose

Praxair, Inc (Praxair) presently leases an industrial property from the Port of Oakland (Port) at 901 Embarcadero, within the City of Oakland, Alameda County, California (Site). Praxair is the successor to the former Liquid Carbonic Corporation (Liquid Carbonic), which in approximately 1954-1955, entered into a 50-year lease with the Port. Liquid Carbonic historically operated a carbon dioxide gas generation and bottling operation at the Site. Sometime prior to 1971, Liquid Carbonic began acetylene gas generation and bottling operations at the Site. Praxair purchased the Liquid Carbonic Corporation in 1996 through the acquisition of its parent company, CBI. As successor to the obligations, assets, and liabilities of Liquid Carbonic, the lease of the property transferred to Praxair. In 1998, Praxair subleased the Site and facility improvements to International Gas & Cryogenics, a California Corporation doing business as Alliance Gas Products, Inc. (Alliance).

Praxair requested Kennedy/Jenks Consultants (Kennedy/Jenks) to conduct a Phase I Environmental Site Assessment (ESA) of the Site. In response to this request, Kennedy/Jenks conducted a Phase I ESA in accordance with the agreed scope of work. This scope is generally consistent with the guidelines presented by the American Society of Testing and Materials (ASTM) in Standard E-1527 – *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*.

The purpose of this ESA was to evaluate if there are recognized environmental conditions associated with the Site. The term “recognized environmental condition” is defined in Section 1.1.1 of ASTM Standard E 1527 as:

“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, groundwater, or surface water of the property.”

The term is not intended to include *de minimis* 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 regulatory agencies. *De minimis* conditions are not recognized environmental conditions (ASTM, 2000).

### 1.2 Detailed Scope of Services

The detailed scope of services is provided in Kennedy/Jenks Proposal No. 00-082-NCIS, dated 22 August 2000. A copy of this proposal is included as Appendix A.

### **1.3 Limitations and Exceptions**

During the execution of this work, Kennedy/Jenks was unable to perform certain elements standard to the methodology for performing a due diligence Phase I ESA. These limitations and exceptions to the standard methodology include the following.

- An interview regarding development history and utility infrastructure systems with a representative of the Owner of Record (the Port of Oakland) for the subject Site was not conducted due to lack of contact information and potential sensitivities.
- During the period of field investigation and interviews, the Captain of the Oakland Fire Department Office of Emergency Services was on vacation. Some of the case file information concerning a July 1999 release from the Site into the Oakland Harbor was unavailable for review by Kennedy/Jenks.

### **1.4 Special Terms and Conditions**

No special terms and conditions pertain to this report other than those between Praxair and Kennedy/Jenks contained within the agreement provided in Appendix A.

### **1.5 User Reliance**

Kennedy/Jenks prepared this report for the exclusive use of Praxair. In order to create a report on which Praxair could rely, Kennedy/Jenks worked closely with Praxair in development of the scope of services upon which all subsequent tasks have been based. Responsibilities to any third parties are specifically denied.

## **Section 2: Site Description**

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This section describes the Site with its location and legal description, general vicinity characteristics, current uses of the Site, description of onsite improvements, and current uses of adjoining properties.

### **2.1 Location and Legal Description**

The Site is located within the incorporated limits of the City of Oakland in Alameda County, California. Its given address is 901 Embarcadero. The Site is irregularly shaped, resembling an arrowhead pointed to the east. It is bounded by Embarcadero to the north, 9<sup>th</sup> Avenue to the northwest, Defremery Street to the southwest, and 10<sup>th</sup> Avenue to the southeast. It appears on the Alameda County tax rolls as portions of Assessors Parcel Nos. 074-465-002 and 074-470-002. Copies of Alameda County Assessors Parcel Maps of the Site are provided in Appendix B. The location of the Site with respect to its vicinity is shown in Figure 1.

### **2.2 Site and Vicinity General Characteristics**

The Site and vicinity are located within an area currently and historically developed for mixed commercial, industrial manufacturing, warehousing and shipping. The area is flat and virtually level, with a slight slope to the south-southwest. It is situated at an approximate elevation of 10 feet above mean sea level. The Site is located adjacent to the south side of the Embarcadero, a major surface street/truck route, and only slightly further south of US Interstate 880 (Nimitz Freeway), and the Union Pacific Railroad tracks. West 9<sup>th</sup> Avenue, West 10<sup>th</sup> Avenue, and Defremery Avenue are asphalt-paved secondary streets. The area is served by telephone, cable, electricity, gas, and water utilities. Storm-drain and sanitary sewer pipelines for the area are owned and maintained by the Port of Oakland. The grade of the Site is level with the ground surface bordering the northern boundary of the Site. However, the elevation difference reaches approximately four feet along the southwest border, as the Site remains level while the grade of the surrounding land surface slopes downward.

### **2.3 Current Uses of the Site**

The Site currently supports an acetylene gas generation and bottling operation. Various other industrial gases are rebottled from stationary and mobile bulk storage tanks into pressurized, transportable gas cylinders. Further descriptions of the current uses of the Site are described within Section 5 of this report.

### **2.4 Descriptions of Structures, Roads, and Other Site Improvements**

Improvements on the Site include two primary industrial manufacturing buildings, several smaller associated support buildings, several aboveground storage tanks (ASTs) containing compressed gases and process wastes, three below grade process sumps, a railroad track spur, storm drain and sanitary sewer collection systems, and perimeter fence. Portions of the Site are paved with asphalt or concrete.

The structure referred to as Building 1 is used for the bottling of compressed gas from bulk containers into metal cylinders. Its L-shaped layout covers approximately 40,000 square feet. It has loading docks along a portion of its northwestern side and all along its northeastern side. Three small sheds are attached to Building 1; the water boiler shed, the compressor room, and the paint storage shed. Associated with its gas bottling operations are several ASTs, including an 18,000-pound capacity carbon dioxide tank, a 7,000-gallon capacity liquid nitrogen tank, a 4,500-gallon capacity liquid oxygen tank, and a 3,500-gallon capacity liquid argon tank. A diked cooling tower with a below grade water reservoir is located on its southwestern side. A small shed formerly used as the vehicle maintenance garage is located next to the fence, approximately 150 feet north of the main building. A railroad track spur runs along the southeastern side of the building, terminating at the corner of Building 2.

Building 2 is used for the generation and bottling of acetylene gas. Its rectangular layout covers approximately 11,200 square feet. A loading dock is located along its southwestern side. A small storage building is located a short distance from the southwestern corner. An underground water reservoir and an underground concrete sludge pit are located next to its northwestern side. A short distance further west of the storage building are four 10,000-gallon capacity carbide lime/water settling tanks within a concrete-block containment berm, and a below-grade high pH water sump.

## **2.5 Current Uses of the Adjoining Properties**

Properties adjacent to the Site are currently used for the following purposes:

- The Embarcadero, a concrete two-lane truck route, borders the northern boundary of the Site. Further north are the railroad yards of the Union Pacific railroad and the elevated Nimitz Freeway, Interstate I-880.
- West 9th Avenue, an asphalt secondary street, borders the northwestern boundary of the Site. A parking lot for a furniture warehouse is located across this street.
- Defremery Avenue (a curving extension of West 9th Avenue), an asphalt secondary street, borders the western boundary of the Site. A recycled metals warehouse is located across this street.
- West 10th Avenue, an asphalt secondary street, borders the southeastern boundary of the Site. The Port of Oakland's 9th Avenue Terminal is located to the southeast, south and southwest of the Site.

## **Section 3: User Provided Information**

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This section describes information provided by Praxair for Kennedy/Jenks use in preparing this report. The information is used to help identify the possibility of recognized environmental conditions in connection with the Site. As the information provided in this section does not require the technical expertise of an environmental professional to obtain, Kennedy/Jenks did not gather this information or perform research.

### **3.1 Title Records**

On or prior to the 30 August 2000 Site reconnaissance, Praxair informed Kennedy/Jenks that the Site was owned by the Port of Oakland and leased to Praxair, the successor of the Liquid Carbonic Corporation (the original lessee). Praxair did not provide to Kennedy/Jenks with further information regarding title records or preliminary title reports of the Site.

### **3.2 Environmental Liens or Activity and Use Limitations**

On or prior to the 30 August 2000 Site reconnaissance, Praxair informed Kennedy/Jenks that it was unaware of any documented environmental liens or recorded activity and/or use limitations in connection with the Site. A consent decree or agreement following a release event at the Site is discussed in the following subsection.

### **3.3 Specialized Knowledge**

On or prior to the 30 August 2000 Site reconnaissance, Praxair provided Kennedy/Jenks with the following documentation regarding historical environmental issues at the Site. These documents are discussed within Section 4.2 of this report.

- Alameda County Department of Environmental Health, Hazardous Materials Division, 24 January 1989. Letter from Rafat A. Shahid to Mr. William Stuhle, Liquid Carbonic, RE: Notice of Violation.
- Liquid Carbonic Specialty Gas Corp., 23 February 1989. Letter from Mr. John Edwards to Mr. Lowell Miller, Department of Environmental Health, Hazardous Materials Division, RE: Response to letter dated 24 January 1989.
- Alameda County District Attorney's Office, 21 June 1989. Cover letter from John J. Meehan to Mr. Brian Curtis, Liquid Carbonic Industries Corp, of Complaint, Stipulation, and Order.
- Alameda County District Attorney's Office, 20 October 1989. Complaint for Permanent Injunction; Civil Penalties for Violations of the Hazardous Waste Control Act and Business and Professions Code Sect. 17200, and Other Relief. Cover letter from John J. Meehan to Mr. Brian Curtis, Liquid Carbonic Industries Corp.
- Subsurface Consultants, Inc., 8 February 1991. Closure Report for Four Underground Storage Tanks, Liquid Carbonic, 901 Embarcadero, Oakland, California. Prepared for Liquid Carbonic. Subsurface Consultants, Inc. Project No. 364.019.

- Clayton Environmental Consultants, 22 February 1993. Subsurface Investigation at Liquid Carbonic Corporation, 901 Embarcadero, Oakland, California. Prepared for Liquid Carbonic, Clayton Project No. 41899.05.
- Alameda County Department of Environmental Health, Environmental Protection Division, 28 March 1995. Letter from Ms. Eva Chu to Mr. John Edwards, Liquid Carbonic, RE: Quarterly Monitoring Report for 901 Embarcadero, Oakland 94606.
- Clayton Environmental Consultants, 24 May 1996. March 1996 Groundwater Sampling at Liquid Carbonic Corp. Facility, 901 Embarcadero, Oakland, CAL. Prepared for Liquid Carbonic Corporation. Clayton Environmental Consultants Project No. 62676.00

Praxair informed Kennedy/Jenks that Alliance Gas Products, the tenant and sub-lessee at the Site, had a reportable release on 22 July 1999. The spill resulted in the release of lime slurry into the Brooklyn Basin of the Oakland Harbor. As a consequence, the Port of Oakland was investigating within the original lease agreement the appropriateness and legality of Praxair's sublease of the Site to Alliance Gas Products.

### **3.4 Valuation Reduction for Environmental Issues**

There was no discussion between Praxair and Kennedy/Jenks regarding valuation reduction for environmental issues, as the Site is not contemplated for purchase.

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

On or prior to the 30 August 2000 Site reconnaissance, Praxair provided Kennedy/Jenks with the following information regarding the Owner, Property Manager, and Occupant for the Site.

- The Owner of the Site is the Port of Oakland. Praxair did not provide Kennedy/Jenks with any further contact information for the Port of Oakland.
- Praxair identified the Property Manager for the Site as Mr. Jim Rowland, Central Division Operations Manager for Praxair Distribution, Inc. Kennedy/Jenks met Mr. Rowland at the Site on 30 August 2000 and conducted the Site reconnaissance in his presence.
- Praxair identified the Occupant of the Site as Alliance Gas Products. Since 1998, Praxair has subleased the Site to Alliance Gas Products, a subsidiary of International Gas & Cryogenics. Praxair identified Mr. Russell Wortham, General Manager and Operation Manager for Alliance Gas Products, as the Occupant contact. Kennedy/Jenks met Mr. Wortham on 30 August 2000 and conducted the Site reconnaissance in his presence.

### **3.6 Reason for Performing Environmental Site Assessment**

Praxair is the successor to the former Liquid Carbonic Corporation, which in approximately 1954-1955, entered into a 50-year lease with the Port. As successor to the obligations, assets, and liabilities of Liquid Carbonic, Praxair is interested in the environmental conditions present at the Site. During the Site reconnaissance Praxair representatives stated that they might have to perform certain restoration activities prior to returning the Site to the Port. Praxair requested that

Kennedy/Jenks perform this ESA to identify the recognized environmental conditions present at the Site.

## Section 4: Records Review

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This section contains discussions on the results of standard federal and state environmental record sources review and research, physical setting discussion (including soil and geology, groundwater occurrence, and radon potential), historical records source discussion, and the results of supplemental records review.

### 4.1 Standard Environmental Record Sources

As part of the overall regulatory review for the Site, Kennedy/Jenks supplemented our research by retaining Environmental Data Resources, Inc. (EDR) to prepare a report of regulatory agency list review and file search summary results. Record searches were conducted consistent with ASTM guidelines for radius of influence and age of databases.

The database search listed 124 individual sites with documented environmental concerns within the vicinity of the Site. Note however, that a site in the database report may be listed in more than one database or under more than one name. The databases containing sites with documented environmental concerns are discussed below. A copy of the EDR search report is provided in Appendix C.

#### 4.1.1 Abandoned Sites Program Information System

Formerly known as the Abandoned Sites Program Information System but now referred to by the DTSC as the Cal-Sites information system, the Cal-Sites database contains both known and potential hazardous substance sites. A review of the Cal-Sites list, as provided by EDR and dated 1 April 2000, revealed that as listed below, there are nine Cal-Sites within a one-mile radius of the Site.

- Capitol Supply Company, 351 Embarcadero, ¼ - ½ mile to WNW
- Bedford Property Site, 54 Embarcadero Street, ½ - 1 mile to WNW
- Wilfred's Auto Wrecking, 1834 7<sup>th</sup> Street, ½ - 1 mile to NNE
- LIPS Propellers, 1899 7<sup>th</sup> Ave, ½ - 1 mile to NE
- Lakeside Non-Ferrous Metals Co., 412 Madison Street, ½ - 1 mile to WNW
- Pennzoil Company, 2015 Grand Street, ½ - 1 mile to S
- Alameda Unified School Site (Proposed), 1527 Buena Vista Avenue, ½ - 1 mile to SSW
- Kem Mil Co., Division of Graphic Services, 1829 Clement Avenue, ½ - 1 mile to SSE
- Port of Oakland – Embarcadero, Dennison/Embarcadero, ½ - 1 mile to SE

Based on the nature of the cases, distances, and/or relative locations from the Site, Kennedy/Jenks does not expect these sites to present an environmental concern to the Site.

The Site itself is listed on the Cal-Sites database. A Site Screening done on 21 April 1987 discovered "Dumping of oil residue to soil, soil is discolored. Lined acetylene pond frequently overflowed."



#### 4.1.2 California Hazardous Materials Incident Report System

The California Hazardous Materials Incident Reporting System (CHMIRS) contains information on reported hazardous materials incidents (accidental releases or spills). The source is the California Governor's Office of Emergency Services (OES). A review of the CHMIRS list, as provided by EDR and dated 31 December 1994, revealed that as listed below, there are 17 CHMIRS sites within a one-mile radius of the Site.

- 845 Embarcadero Street, <1/8 mile to WNW, date of release not reported
- Southbound Highway 880 / 5<sup>th</sup> Avenue, 1/4 - 1/2 mile to WNW, 1989 release
- 1235 E. 14<sup>th</sup> Street, 1/4 - 1/2 mile to ENE, 1991 release
- I-880 20' N/16<sup>th</sup> Avenue, 1/2 - 1 mile to ESE, 1989 release
- Northbound I-880 south of 16<sup>th</sup> Avenue, 1/2 - 1 mile to ESE, 1988 release
- Southbound I-880 / 16<sup>th</sup> Avenue, 1/2 - 1 mile to ESE, 1991 release
- E. 12<sup>th</sup> Street / 16<sup>th</sup> Avenue, 1/2 - 1 mile to ESE, 1990 release
- 1138 E. 17<sup>th</sup> Street, 1/2 - 1 mile to ENE, 1991 release
- Marin Way / 16<sup>th</sup> Avenue, 1/2 - 1 mile to E, 1989 release
- A/O Victory Court / F, 1/2 - 1 mile to WNW, 1990 release
- 1832 E. 12<sup>th</sup> Street, 1/2 - 1 mile to ESE, 1990 release
- Northbound I-880 Oak Street Off Ramp, 1/2 - 1 mile to NW, 1990 release
- #2 Pacific Marina, 1/2 - 1 mile to WSW, 1988 release
- 210 Embarcadero, 1/2 - 1 mile to WNW, 1989 release
- Northbound I-880 625'N/Jackson, 1/2 - 1 mile to WNW, 1990 release
- 6<sup>th</sup> / Alice Street, 1/2 - 1 mile to NW, 1989 release
- 1899 Dennison, 1/2 - 1 mile to SE, 1991 release

Based on the date of the incident, distances, and/or relative locations from the Site, Kennedy/Jenks does not expect these sites to present an environmental concern to the Site.

#### 4.1.3 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 underground storage tanks (USTs) having a reportable release, and solid waste disposal facilities from which there is known contaminant migration. The source is the OES. A review of the Cortese database, as provided by EDR and dated 1 April 1998, revealed that there are 23 Cortese sites within a one-mile radius of the Site as listed below.

- BART Maintenance Facility, (no street number) 5<sup>th</sup> Street, 0-1/8 mile to NNW
- Keep On Trucking Co., Inc., 370 8<sup>th</sup> Avenue, 1/8 - 1/4 mile to W
- J & R Used Auto Parts, 823 12<sup>th</sup> Street, 1/4 - 1/2 mile to NNE
- Peralta District Administration Center, 501 5<sup>th</sup> Avenue, 1/4 - 1/2 mile to NW
- Gibson Paint Co., 1199 E 12<sup>th</sup> Street, 1/4 - 1/2 mile to ENE
- Stern Property, 1033 4<sup>th</sup> Avenue, 1/4 - 1/2 mile to NNW

- Time Oil Company, 255 14<sup>th</sup> Street, ½ - 1 mile to N
- Port of Oakland Embarcadero Cove, 1755 Embarcadero, ½ - 1 mile to ESE
- Sunset Wholesale Company, 105 Embarcadero, ½ - 1 mile to WNW
- Peerless Coffee, 225 Fallon Street, ½ - 1 mile to WNW
- Vukasim Property, 54 Embarcadero, ½ - 1 mile to WNW
- Grand Marina, Inc., 2099 Grand Street, ½ - 1 mile to SSE
- Yuen's Automotive 1901 Park Blvd., ½ - 1 mile to NNE
- Encinal Marina, 2051 Grand Street, ½ - 1 mile to S
- Marina Village, 2051 Sherman Street, ½ - 1 mile to SW
- PE O'Hair & Company, 339 3<sup>rd</sup> Street, ½ - 1 mile to WNW
- Silveira Property, 1200 20<sup>th</sup> Avenue, ½ - 1 mile to ESE
- East Bay Packing Company, 208 Jackson Street, ½ - 1 mile to WNW
- United Beverage Distributors, 105 Jackson Street, ½ - 1 mile to WNW
- Shell Oil Company, 2101 Park Blvd./Newton, ½ - 1 mile to NNE
- Miller Packing, 206 2<sup>nd</sup> Street, ½ - 1 mile to WNW
- Future Amtrak Station, 245 2<sup>nd</sup> Street, ½ - 1 mile to WNW
- Weyerhaeuser Company, 1801 Hibbard Street, ½ - 1 mile to S

Based on the nature of the cases, distances, and/or relative locations from the Site, Kennedy/Jenks does not expect these sites to present an environmental concern to the Site.

#### **4.1.4 Leaking Underground Storage Tank Information System**

The Leaking Underground Storage Tank (LUST) Incident Reports contains an inventory of reported leaking UST incidents. The data comes from the California State Water Resources Control Board (SWRCB) through the respective Regional Water Quality Control Board (RWQCB). A review of the LUST database, as provided by EDR and dated 1 May 2000, revealed that as identified below, there are 23 sites within a one-half mile radius of the Site.

- Canney Bldg. H 211, 845 Embarcadero, <1/8 mile to NW
- Keep On Trucking Co., Inc., 370 8<sup>th</sup> Avenue, 1/8 - ¼ mile to W
- Marine Terminals Corporation, 101 10<sup>th</sup> Avenue, 1/8 - ¼ mile to SW
- Salle's Paint & Body, 1049 9<sup>th</sup> Avenue, 1/8 - ¼ mile to NE
- BART Oakland Maint. Facility, 601 E 8<sup>th</sup> Street, ¼ - ½ mile to NNW
- American Ink Products, 630 East 10<sup>th</sup> Street, ¼ - ½ mile to NNW
- Allift & Equipment Company, 251 5<sup>th</sup> Avenue, ¼ - ½ mile to NW
- JR Used Auto Parts, 823 12<sup>th</sup> Street E, ¼ - ½ mile to NNE
- Cakebread's Garage, Inc., 802 E 12<sup>th</sup> Street, ¼ - ½ mile to NNE
- Glass On The Move, 1111 12<sup>th</sup> Street E, ¼ - ½ mile to ENE
- Halsted, N. Gray, Carew & English, Inc., 1101 Sutter Street, ¼ - ½ mile to ENE
- Peralta District Administration Center, 501 5<sup>th</sup> Avenue, ¼ - ½ mile to NW
- Peralta Community College - Laney, 333 E 8<sup>th</sup> Street, ¼ - ½ mile to NNW

- Harley Davidson Motorcycle, 744 12<sup>th</sup> Street E, ¼ - ½ mile to NNE
- NAS Alameda, B 117 Avenue 6, ¼ - ½ mile to W
- Former Cooper Tire Shop, 1200 E 12<sup>th</sup> Street, ¼ - ½ mile to ENE
- Gibson Paint Company, 1199 E. 12<sup>th</sup> Street, ¼ - ½ mile to ENE
- Merritt Environmental Corporation, 1044 5<sup>th</sup> Avenue, ¼ - ½ mile to N
- Stern Property, 1033 4<sup>th</sup> Avenue, ¼ - ½ mile to NNW
- Former Pacific Dry Dock Yard 2, 321 Embarcadero, ¼ - ½ mile to WNW
- Residential, 725-727 E. 15<sup>th</sup>, ¼ - ½ mile to NNE
- Johnston Sons, 801 3<sup>rd</sup> Avenue, ¼ - ½ mile to NNW
- General Tire, 1201 14<sup>th</sup> Avenue, ¼ - ½ mile to E

Based on the nature of the cases, distances, and/or relative locations from the Site, Kennedy/Jenks does not expect these sites to present an environmental concern to the Site.

The Site itself is listed on the LUST database. The former USTs at the Site is discussed in more detail in Section 4.2.

#### **4.1.5 Bond Expenditure Plan**

The California Bond Expenditure Plan (BEP) comes from the Department of Health Services. A review of the California BEP list, as provided by EDR and dated 1 January 1989, revealed that there is one California BEP site within a one-mile radius of the Site.

- Port of Oakland, Embarcadero, Dennison/Embarcadero, ½ - 1 SE

Based on the nature of the case, distance, and/or relative location from the Site, Kennedy/Jenks does not expect this site to present an environmental concern to the Site.

#### **4.1.6 California SLIC**

The California Spills, Leaks, Investigation and Cleanup (CA SLIC) Cost Recovery Listing comes from the California RWQCB. A review of the CA SLIC list, as provided by EDR and dated 3 January 2000, revealed that as listed below, there are five CA SLIC sites within a one-half mile radius of the Site.

- Port of Oakland Ninth Avenue Terminal, Eighth-Ninth Avenue, <1/8 mile to W
- Port of Oakland Keep On Trucking, 370 8<sup>th</sup> Avenue, 1/8 - ¼ mile to W
- Seabreeze Yacht Center, 280 6<sup>th</sup> Avenue, ¼ - ½ mile to WNW
- Oakland City Of, E. 12<sup>th</sup> Street / 14<sup>th</sup> Avenue, ¼ - ½ mile to E
- Commercial Tire, 1201 14<sup>th</sup> Avenue, ¼ - ½ mile to E

Based on the nature of the cases, distances, and/or relative locations from the Site, Kennedy/Jenks does not expect these sites to present an environmental concern to the Site.

## 4.2 Supplemental Environmental Information

Kennedy/Jenks supplemented the standard environmental record sources review (discussed in Section 4.1, above) with review of reasonably ascertainable site reports and regulatory agency environmental record files. Findings of this research are discussed below.

### 4.2.1 July 1999 Release Incident

Alliance Gas Products incurred a reportable release incident at 10 a.m. on 22 July 1999. Carbide lime slurry was spilled during transfer of decanted water to a holding tank. During transfer, the transfer pump reportedly shifted and the hose was dislodged, resulting in a spill to the ground surface. The spill reached an on-site storm drain drop inlet, and was conveyed via the storm drain system to the nearby estuary known as the Brooklyn Basin of Oakland Harbor.

On 23 July 1999, City of Oakland Fire Department, Office of Emergency Services Chief Leroy Griffin conducted an inspection in response to the spill. The following violations with follow-up actions were cited in the hazardous materials inspection report (City of Oakland, 1999).

1. Spilled material was noted within the secondary containment area. Remove within 30 days.
2. The flammable storage area was unmarked. Provide proper signage.
3. Secondary containment damaged around cooler unit. Fix leak on cooler and repair secondary containment.
4. No Hazardous Materials Business Plan (HMBP) was located on the Site. Provide copy of HMBP.
5. No ballistic protection present on the propane tank. Provide for protection from vehicles.
6. Cease all operations regarding the use of the lime slurry and dewatering tank system until the following corrective actions are completed:
  - a. Provide a detailed plan for temporary use of the lime slurry system. Plan shall include drawings of fixed systems and procedures. Upon receipt and approval of this plan, the use of the system can be resumed. Based upon information provided, this temporary use is not to exceed three weeks.
  - b. Within three weeks provide a project plan for installation of a new lime slurry system or repair and certification of existing system.

Records regarding spill response and cleanup actions were not available during Kennedy/Jenks' review of agency files.

### 4.2.2 Underground Storage Tank Removal and Remediation

Praxair provided Kennedy/Jenks with a report prepared by Subsurface Consultants titled "Closure Report, Four Underground Storage Tanks, Liquid Carbonic, 901 Embarcadero, Oakland, California" (Subsurface Consultants, 1991). The closure report was written in partial response to a Notice of Violation letter dated 24 January 1989, sent by Alameda County Department of Environmental

Health, Hazardous Materials Division to Liquid Carbonic (Alameda County, 1989a). According to the closure report, four USTs, listed below, were removed from the Site during 1989 and 1990.

- One 2,000-gallon diesel UST
- One 4,000-gallon diesel UST
- One 1,000-gallon gasoline UST
- One 2,000-gallon acetone UST

Diesel and gasoline contaminated soils were encountered at the diesel dispenser and gasoline tank excavations respectively. No acetone-contaminated soils were encountered at the former acetone tank. Diesel and gasoline contaminated soils with total petroleum hydrocarbon (TPH) concentrations greater than 100 milligrams per kilogram (mg/kg, or parts per million, ppm) were removed. The resulting excavations were backfilled with imported material. The excavated soils were disposed of at Class III landfills. Groundwater samples taken from the excavation beneath the gasoline tank indicated the presence of hydrocarbons in water (Subsurface Consultants, 1991).

On 16 September 1992, Clayton Environmental Consultants (Clayton) installed three groundwater monitoring wells at the Site. Two monitoring wells were installed within approximately 10 feet of the former gasoline and diesel storage tanks (MW-1 and MW-2, respectively) (Clayton, 1993). Clayton performed groundwater monitoring at the Site for Liquid Carbonic in June 1995, September 1995, December 1995, and March 1996 (Clayton, 1996). Additionally, Golden Gate Tank Removal performed groundwater monitoring at the Site for Liquid Carbonic in August and September 1996 (Golden Gate Tank Removal, 1996).

Analytical results from groundwater samples collected over the above monitoring period indicated that TPH in the diesel range (TPH<sub>d</sub>) had decreased from 2,400 micrograms per liter (µg/l) to 300 µg/l in Well MW-1, from 1,600 µg/l to non-detect (ND) in Well MW-2, and from 1,800 µg/l to ND in Well MW-3. Concentrations of TPH in the gasoline range (TPH<sub>g</sub>) had decreased from 2,700 µg/l to 220 µg/l in Well MW-1. Concentrations of benzene, with an allowable maximum contaminant level (MCL) of 1 µg/l, had dropped from 220 µg/l to 36 µg/l in Well MW-1. Concentrations of TPH<sub>g</sub> and benzene had reportedly never been detected in samples from Wells MW-2 and MW-3 (Golden Gate Tank Removal, 1996).

Results were deemed low enough that the Alameda County Department of Environmental Health Department (ACDEH) granted a verbal no further remedial action required/conditional case closure, contingent upon destruction of the monitoring wells. On 22 January 1997, Golden Gate Tank Removal submitted a letter to ACDEH noting the completion of the well abandonments. According to notes provided by John Carver, PE and C-57 license holder for Golden Gate Tank Removal on the California Department of Water Resources Well Drillers Reports, the "Wells were abandoned by pressure grouting and surface sealing" on 14 January 1997 (Golden Gate Tank Removal, 1997). In response, ACDEH sent a "Remedial Action Completion Certification" letter to Liquid Carbonic and the Port (Alameda County, 1997). A copy of this letter is provided in Appendix D. The locations of the former USTs and monitoring wells are provided in Figure 2.

#### **4.2.3 Hazardous Materials Business Plan**

On 1 September 2000, Kennedy/Jenks reviewed the current Hazardous Materials Business Plan (HMBP) on file for the Site at the City of Oakland Fire Department, Office of Emergency Services.

The current HMBP, dated 1999, is for Alliance Gas Products. Mr. Russell Wortham was identified as the General Manager of Production. Mr. Jeff Sanborn was identified as the Plant Manager. Kennedy/Jenks documented the inventory of the chemicals listed as used on the Site (Alliance Gas Products, 1999). This inventory is included in Table 1.

### 4.3 Physical Setting

Information on the physical setting of the Site area was gathered from the GeoCheck® Section of the EDR Radius Map Report. This information includes general topography, groundwater conditions, geologic information, and radon potential.

#### 4.3.1 General Topography

Based on the information provided in the EDR Report, the general topographic gradient in the vicinity of the subject Site is to the west (EDR, 2000a).

#### 4.3.2 Groundwater Conditions

EDR gathered information from their AQUIFLO Information System for data on the general direction of groundwater flow at specific points. Several points were listed within a two-mile radius of the Site and the corresponding general groundwater flow directions varied. This variance is most likely due to the presence of the Oakland Harbor and the location of the data points for which the groundwater flow direction data was gathered (EDR, 2000a).

Site-specific information on groundwater conditions was found within the groundwater monitoring reports associated with the former USTs at the Site, as discussed in Section 4.2. Groundwater conditions at the Site, including depth to groundwater measurements, were monitored between 1995 and 1996. Depth to groundwater measured from the three monitoring wells, varied between 2.9 feet and 6.7 feet below ground surface (bgs) (Golden Gate Tank Removal, 1996).

#### 4.3.3 Geologic Information

Based on the information provided in the EDR Report, the soil beneath the Site is categorized in the Stratified Sequence from the Cenozoic Era and within the Quaternary Series. EDR gathered surface and subsurface soil information from the Soil Conservation Service STATSGO database. Based on this data, soil surface textures and surficial soils types include sand, loamy sand and silty clay loam. The deeper soil types include sand, fine sand and stratified layers. EDR's Geo-Check report provided no information on the shallow soil types (EDR, 2000a).

Shallow soils types at the Site were discussed within several of the reports regarding removal of the USTs and subsequent remediation efforts. Clayton completed soil-boring logs during installation of three groundwater-monitoring wells at the Site in 1992. Soil profiles indicated a silty gravel or silty sand from the surface to between five and seven feet bgs, underlain by sandy or silty clay to the total depths of the borings at 20 feet bgs (Clayton, 1993).

#### 4.3.4 Radon Potential

According to the EDR Report, Alameda County is in Federal EPA Radon Zone 2 where the average indoor radon level ranges from 2 to 4 picoCuries per liter (pCi/L). In Alameda County, forty-nine (49) sites were tested for radon activity. The average radon activity in the first floor living area was 0.776 pCi/L, the average radon activity in the second floor living area was -0.400 pCi/L, and the average radon activity in the basement was 1.338 pCi/L. (EDR, 2000a; EPA, 1999).

#### 4.4 Historical Use Information

The following resources were reviewed during this Phase I ESA to obtain a usage history of the Site and surrounding properties. The information obtained from these sources is described in the following subsections.

- Historical Aerial Photographs
- Sanborn™ Fire Insurance Company Maps

##### 4.4.1 Historical Aerial Photographs

Kennedy/Jenks reviewed historical aerial photographs, provided by EDR, depicting the Site and surrounding area from the years 1946, 1958, 1965, 1982, and 1994 (EDR, 2000b). Kennedy/Jenks reviewed these photographs for information pertaining to the historical uses of the Site and adjacent properties. Information obtained during review of the photographs is summarized below.

- **1946 Aerial Photograph – 1 inch ~ 655 feet** – The scale of the aerial photograph dated 1946 is considered good; its resolution good; and its coverage excellent. The Site appears to be undeveloped but used for miscellaneous storage and/or disposal, residential areas are located north and industrial areas are located south of Embarcadero and the railroad tracks. The Port of Oakland 9th Avenue Pier (Pier) is present south of the Site. A marina and two buildings are located southeast of the Site.
- **1958 Aerial Photograph – 1 inch ~ 1,111 feet** – The scale of the aerial photograph dated 1958 is considered fair; its resolution fair; and its coverage excellent. The Site appears to be developed. At least one building is present along the southeast property boundary. Some development is present along the middle of the northern property boundary. Aboveground bulk storage tanks are located approximately 500 feet southwest of the Site and west of the Pier. The location of the buildings and marina present in the 1946 photograph appear to have been removed and the lot and docks are cleaned up. A new marina appears to be present east of this old marina location. An expressway (I-880) is located in its present day location.
- **1965 Aerial Photograph – 1 inch ~ 666 feet** – The scale of the aerial photograph dated 1966 is considered good; the resolution very good; and its coverage excellent. The Site is active with trucks at the loading docks and cars parked in the northeast corner of the Site. The building along the northern boundary is more clearly discernable. The lime/water settling tanks are visible. The northwestern and southwestern portions of the property are undeveloped. I-880, north of the Embarcadero, has been upgraded to an 8-lane highway. More storage tanks are located in the vicinity of the tanks seen in the 1958 photograph.

- **1982 Aerial Photograph – 1 inch ~ 690 feet** – The scale of the aerial photograph dated 1982 is considered good; the resolution very poor; and its coverage excellent. A new building is present on the Site, southwest of the existing building. Buildings on the lot directly southwest of the Site have been removed and new buildings built. The tanks seen in the 1958 and 1965 photographs have been removed. The marina located southeast of the Site has expanded west to the location mentioned in the 1946 photograph.
- **1994 Aerial Photograph – 1 inch ~ 666 feet** – The scale of the aerial photograph dated 1994 is considered good; the resolution good; and its coverage excellent. No significant changes are apparent to the Site and surrounding properties from its present-day configuration.

#### 4.4.2 Sanborn Fire Insurance Maps

Kennedy/Jenks reviewed Sanborn Fire Insurance Company maps, as provided by EDR, depicting the Site and adjacent properties for the years 1903, 1911, 1950, 1953, 1957, 1960, 1965, and 1969 (EDR, 2000c). These maps were reviewed for information pertaining to the historical use of the Site and adjacent properties with respect to activities conducive to potential environmental impairment. Information obtained during a review of the above-noted maps is presented below.

- **1903 Sanborn Fire Insurance Map** – Coverage of the 1903 Sanborn Fire Insurance Maps depicts the Site as filled land and tidal flats. The pier and industrial buildings southeast of the Site are warehouses and a planing mill for the Pacific Lumber Company.
- **1911 Sanborn Fire Insurance Map** – Coverage of the Site in the two 1911 Sanborn Fire Insurance Maps is not noticeably different than that described above for 1903. However, the Interlocking Stone Company & Gilro Machine Company is also located east of the Site along the Oakland Inner Harbor – Brooklyn Basin.
- **1950 Sanborn Fire Insurance Map** – The Site is still vacant as shown in the two 1950 Sanborn Fire Insurance Maps. A note indicates that the Site area was being filled in September 1919. The Interlocking Stone Company & Gilro Machine Company that was shown on the 1911 maps has been removed. Southwest of the Site is the Port of Oakland Ninth Avenue Pier and a different planing mill for the American Lumber & Manufacturing Company.
- **1953 Sanborn Fire Insurance Map** – The Site is still vacant and the Pier is still located southwest of the Site as shown in the two 1953 Sanborn Fire Insurance Maps. The American Lumber & Manufacturing Company shown on the 1950 maps has been renamed to the Wiesner & Coover & Cargo Lumber Company, Inc. What appears to be a teepee burner associated with the planing mill is located approximately 100 feet southwest of the future Site.
- **1957 Sanborn Fire Insurance Map** – Coverage of the two 1957 Sanborn Fire Insurance Maps shows that the Site has been developed by Liquid Carbonic Corporation as a carbon dioxide gas plant, complete with a 125 ton carbon dioxide storage tank. A railroad spur now extends along the southeastern border of the property from across 10<sup>th</sup> Avenue. There is not apparent change to the two properties south of the Site. A small Transite shed is noted along the northern Site boundary, with a storage tank located approximately 50 feet to its west. The northwest and southwest portions of the Site are undeveloped. The middle of the



Site is marked as Process Equipment Area. The middle west portion of the Site contains a 30-foot tall cooling tower.

- **1960 Sanborn Fire Insurance Map** – The 1960 Sanborn Fire Insurance Map indicates that the Liquid Carbonic Division of General Dynamics Corporation occupied the Site. Development at the Site and properties to the southwest appear unchanged relative to the 1957 Sanborn Fire Insurance Maps. The Port of Oakland has redeveloped the property west of the Site.
- **1965 Sanborn Fire Insurance Map** – Coverage of the Site and the Pier in the two 1965 Sanborn Fire Insurance Maps appear to be unchanged. The Port of Oakland, shown on the 1960 maps as located west of the Site, has expanded south of its location and acquired the Wiesner & Coover & Cargo Lumber Company, Inc. A conveyor and grain and mineral storage tanks are located in this area northwest of the Pier.
- **1969 Sanborn Fire Insurance Map** – Coverage of the Site and adjacent properties appears unchanged in the two 1969 Sanborn Fire Insurance Maps. A new building for warehousing sheet steel is located south of the Site and northeast of the Pier.

## Section 5: Site Reconnaissance

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Kennedy/Jenks conducted a reconnaissance of the Site and surrounding properties on 30 August 2000. Kennedy/Jenks was accompanied during the Site reconnaissance by Mr. Wortham, Mr. Rowland, and Mr. Bill Callahan, Environmental Health & Safety Manager for Praxair. Photographs were taken to document the condition of the Site at the time of the reconnaissance. Photographs of the Site and vicinity are provided within Appendix E. A sketch of the Site is provided as Figure 2.

### 5.1 Methodology and Limiting Conditions

Kennedy/Jenks employed a systematic method to observe and record notes during the Site reconnaissance. Kennedy/Jenks walked the perimeter and then interior open spaces of the Site then performed a windshield survey of adjacent and nearby neighborhood properties. Significant observations were recorded within a field notebook and/or photographed for later reference.

### 5.2 General Site Setting

The Site is set within a recognized industrial area. Elevation and grade of the Site seems to preclude on-site migration of off-site runoff. Its low elevation, approximately 10 feet above mean sea level, supports the previous findings that depth to groundwater is shallow.

### 5.3 Hazardous Substances in Connection with Identified Uses

The majority of hazardous substances identified in the HMBP and noted during the Site reconnaissance are listed in Table 1. In addition to the listed materials, Kennedy/Jenks noted the following additional hazardous substances in connection with identified uses at the Site.

- Two bead-blast paint-stripping chambers were located within Building 1, wherein paint was removed from gas cylinders. Residues generated from the bead-blast process were ducted outside for capture in "dust containment bins." At the time of the Site reconnaissance, the following observations were recorded:
  - Neither of the two dust containment bins was equipped with air-filtration bags on the exhaust ports.
  - Dust was apparently allowed to discharge from the bottom of the containment bins, where it was shoveled into open top drums. At the time of the Site reconnaissance, one drum was open, while two other drums did not have their lids secured.
  - None of the drums had proper labeling to indicate the contents, hazard classification, or accumulation start dates. Alliance supplied no information documenting appropriate offsite transport and disposal of this waste.
  - A large amount of caked paint dust was present on the ground beneath and adjacent to the containment bin and drums.

- Runoff from this open area drained approximately 25 feet to a nearby storm drain inlet, which was marked "Drains to Bay."
  - The acetylene purifier within the northeastern portion of Building 2 contains what the industry refers to as "monkey dust". Reportedly monkey dust was periodically removed and spread to dry in the area between Building 1 and Building 2. This process was continued until the monkey dust eventually required replacement due to saturation. The monkey dust vessel had the following chemicals and concentrations listed as contents.
    - Diatomaceous earth at 35.8%
    - Ferrous chloride at 62.7%
    - Copper sulfate at 1.1%
    - Manganese dioxide at 0.3%
    - Mercury bichloride at 0.07%
- Mercuric chloride (HgCl<sub>2</sub>)*
- Several 55-gallon drums of acetone are maintained adjacent to a shed outside Building 2. The drums were observed within a metal, secondary containment bin, which showed signs of rust and questionable integrity. This containment bin was located on concrete but immediately adjacent to bare earth.
  - An inoperable hydraulic lift was observed at the eastern loading dock of Building 1. Oil staining around the base of the lift was apparent at the time of the Site reconnaissance. No evidence could be found of the former hydraulic fluid reservoir.
  - A large air compressor was noted within a shed attached to the southwest exterior wall of Building 1. The compressor was noted to be in bad condition, with a large amount of oil staining present on the concrete slab below the compressor and on the concrete outside the southern shed wall.
  - Incidental amounts of petroleum, oils, lubricants (POLs) were noted stored within the flammable materials storage cabinet, water boiler shed, and paint storage shed, within and outside of Building 1. Flammable materials warning signage was not present around these container buildings.

#### 5.4 Hazardous Substance Containers and Unidentified Substance Containers

Numerous hazardous substance containers are present at the facility. The majority of these are listed in Table 1. However, hundreds of older, worn, empty gas cylinders are stored on the ground along the northern Site boundary. The condition and contents of these cylinders is unknown. During the Site reconnaissance, Kennedy/Jenks observed that some of these cylinders were being removed from the Site.

#### 5.5 Storage Tanks, Sumps, and Drains

Associated with its gas bottling operations at Building 1 are several aboveground storage tanks (ASTs), including an 18,000-pound capacity carbon dioxide tank, 7,000-gallon capacity liquid nitrogen tank, 4,500-gallon capacity liquid oxygen tank, and 3,500-gallon capacity liquid argon tank.

Associated with the acetylene gas generation and bottling operations near Building 2, are four, 10,000-gallon capacity carbide lime/water slurry ASTs within a concrete-block secondary containment enclosure. In addition, as discussed in Section 4.2 above, four USTs previously associated with the Site have been removed and the agency-required remediation completed.

Underground sumps associated with the acetylene gas generation and bottling operations near Building 2 include an underground water reservoir and an underground concrete sludge pit. A short distance further west, near the four aboveground settling tanks, is a below-grade high pH water sump. At the time of the Site reconnaissance, significant quantities of carbide lime spillage were noted outside the underground concrete sludge pit and within the secondary containment enclosure for the four aboveground settling tanks.

Several drains are present at the facility. At least three floor drains within Building 2 and its associated storage shed are reportedly connected and drain process overflow to the adjacent underground concrete sludge pit. However, at least six storm water runoff drop inlets are present at the Site. They are connected to a storm drain collection system that conveys runoff off-site to the estuary. These drop inlets, recently marked with signs indicating "Drains to Bay" are in various states of repair, some with crumbing top grates and/or blocked by debris. These storm drain drop inlets are numbered on Figure 2. The alignment/flow orientation of the storm drains is presently unknown.

In addition, the facility is served by a sanitary sewer collection system for the two bathrooms on-site. According to Mr. Wortham, the Port of Oakland owns these systems, and would also seem responsible for maintaining them. Apparently the on-site sewer lateral is partially collapsed. As a consequence, facility personnel must use the portable restroom located adjacent to the main entrance gate. The Port of Oakland's sanitary sewer collection system conveys wastewater to the East Bay Municipal Utility District's Wastewater Treatment Plant. Drawings of the onsite storm drain and sanitary sewer systems were not available.

## 5.6 Indications of PCBs and Related Issues

In the early summer of 2000, regional power supply fluctuations caused the original slab-mounted electrical transformer along the northern Site boundary to fail and explode. Based upon its age, the transformer may have contained PCBs, which may have been released in the explosion to the area surrounding its former location. In addition, much of the facility interior light is with older-style long-tube fluorescent light fixtures. The electronic ballasts of many older fixtures were known to contain PCBs. The fluorescent light tubes themselves are known to contain mercury.

## 5.7 Indications of Solid Waste Disposal

The reconnaissance included observing whether indications of solid waste disposal were present at the Site. A small pile of waste materials was observed along the middle of the northern fence line, between the former truck maintenance shed and former electrical transformer slab. A large laydown area of surplus materials, pending reuse or recycling, is located within the area northwest of Building 1. The rest of the Site appeared generally free of solid waste disposal evidence, with the exception of a small amount of incidental wind-blown litter.

## 5.8 Other Conditions of Concern

Kennedy/Jenks identified several other conditions of potential concern during the Site reconnaissance. These conditions are noted below.

### 5.8.1 Substantial Spillage of Carbide Lime

At the time of the Site reconnaissance, Kennedy/Jenks noted substantial spillage of carbide lime to various locations on the Site. The acetylene generation process had apparently failed again since the reportable July 1999 release. The failure of the acetylene generation system in July 1999 resulted in a reportable release of carbide lime liquids to a nearby estuary of the Oakland Harbor and emergency response by the Oakland Fire Department Office of Emergency Services.

### 5.8.2 Cylinder Hydrostatic Test Water Disposal

Empty gas cylinders are pressure tested and certified through an onsite hydrostatic pressure test. At the time of the Site reconnaissance, Kennedy/Jenks noted that hydrostatic pressure test wastewater spillage overflowed to a nearby storm drain drop inlet, which was marked "Drains to Bay."

### 5.8.3 Asbestos-Containing Materials

A small shed formerly associated with historic truck maintenance activities is located adjacent to the northern Site boundary. The shed is constructed of transite asbestos sheeting over a metal frame with dirt floor. The transite asbestos was damaged in various locations and is considered friable. The performance of a survey for asbestos-containing materials (ACM) was not included within the scope for this assessment. However, this situation is brought to the attention of the user as it appears that the shed may be seeing use by trespassing transients for shelter, and/or storage, opening up potential liability to Praxair for third-party exposure claims. Other ACM may be present throughout the facility, based on its age and operations.

## Section 6: Conclusions and Recommendations

### 6.1 Conclusions

Kennedy/Jenks performed a Phase I ESA of the Site in conformance with the contracted scope of services between Kennedy/Jenks and Praxair, which is generally consistent with the scope and limitations of ASTM Standard Practice E-1527. Exceptions to, or deletions from, this practice are described in Section 1 of this report. Based on the information obtained during the ESA, Kennedy/Jenks identified several recognized environmental conditions that may present environmental concerns to Praxair. These recognized environmental conditions are summarized below:

- Two "bead blast" paint-stripping chambers were located within Building 1, wherein paint was removed from gas cylinders. Residues from the bead blast process were ducted outside for capture in "dust containment bins." The paint residue may contain heavy metals.
  - Neither of the two dust containment bins were equipped with air-filtration bags on the exhaust ports.
  - Dust was apparently allowed to discharge from the bottom of the containment bins, where it was shoveled into open top drums. At the time of the Site reconnaissance, one drum was open, while two other drums did not have their lids secured.
  - None of the drums had proper labeling to indicate the contents, hazard classification, or accumulation start dates. Alliance supplied no information documenting appropriate offsite transport and disposal of this waste.
  - A large amount of caked paint dust was present on the ground beneath and adjacent to the containment bin and drums. *v for VOCs + metals*
  - Runoff from this open area drained approximately 25 feet to a nearby storm drain inlet, which was marked "Drains to Bay."
- The production of acetylene gas at the Site historically involved purification through a vessel containing a mixture of dry chemicals called "monkey dust." This monkey dust reportedly contained mercury bichloride at an approximate concentration of 0.1 percent. Reportedly, monkey dust was periodically removed and spread to dry in the area between Building 1 and Building 2. This process was continued until it eventually required replacement due to saturation. *metals*
- In the early summer of 2000, regional power supply fluctuations caused the original slab-mounted electrical transformer along the northern Site boundary to fail and explode. Based upon its age, the transformer may have contained PCBs, which may have been released to the area surrounding its former location. *TEPA/PCBs*
- At the time of the Site reconnaissance, Kennedy/Jenks noted substantial spillage of carbide lime to various locations on the Site. A failure of the acetylene generation system in July 1999 resulted in a reportable release of carbide lime liquids to a nearby estuary of the

Oakland Harbor and emergency response by the Oakland Fire Department Office of Emergency Services. The follow-up results of this incident were unavailable to Kennedy/Jenks. PH

- Empty gas cylinders are pressure tested and certified through an on-site hydrostatic pressure test. At the time of the Site reconnaissance, Kennedy/Jenks noted that hydrostatic pressure test wastewater spillage overflowed to a nearby storm drain drop inlet, which was labeled "Drains to Bay".
- Several 55-gallon drums of acetone are maintained adjacent to a shed outside Building 2. The drums were observed within a metal, secondary containment bin, which showed signs of rust and questionable integrity. This containment bin was located on concrete but immediately adjacent to bare earth. (over)
- A small shed formerly associated with historic truck maintenance activities is located adjacent to the northern Site boundary. The shed is constructed of transite asbestos sheeting over a metal frame with a dirt floor. The transite asbestos was damaged in various locations and is considered friable. - best type of asbestos
- An inoperable hydraulic lift was observed at the eastern loading dock of Building 1. Oil staining around the base of the lift was apparent at the time of the Site reconnaissance. No evidence could be found of the former hydraulic fluid reservoir. (TEPH)
- A large air compressor was noted within a shed attached to the southwest exterior wall of Building 1. The compressor was noted to be in bad condition, with a large amount of oil staining present on the concrete slab below the compressor and on the concrete outside the southern shed wall. (TEPH)
- Kennedy/Jenks observed a spray painting booth in apparent operation in the western end of Building 1. The Alliance representative who accompanied Kennedy/Jenks on the Site reconnaissance noted that the spray paint booth currently does not have a Permit to Operate from the Bay Area Air Quality Management District. Numerous containers of paint were observed stacked adjacent to the spray paint booth.
- Hundreds of older, worn, empty gas cylinders are stored on the ground along the northern Site boundary. During the Site reconnaissance, Kennedy/Jenks observed that some of these cylinders were being removed from the Site.

An historic recognized environmental condition that has apparently been resolved and is no longer considered by Kennedy/Jenks to be a significant environmental concern is the removal of four underground storage tanks in 1989 and 1990. These tanks included: one 1,000-gallon gasoline UST (located along the northeastern boundary of the Site), one 2,000-gallon diesel UST and one 4,000-gallon diesel UST (located west of the maintenance shed along the northern Site boundary), and one 2,000-gallon acetone UST (located at the southeastern portion of the Site outside Building 2). Following sampling, excavation of contaminated soils, and groundwater monitoring, the Alameda County Environmental Health Services (the designated lead enforcement agency), issued a "Remedial Action Completion Certification" to the Site on 24 January 1997.

## 6.2 Recommendations

Based on the findings and conclusions presented above, the following recommendations pertaining to operation of the Site have been developed:

- At a minimum, management of the paint dust collection system should be improved to address the following:
  - Install and utilize exhaust bags to capture fugitive dust emissions.
  - Elevate the waste paint dust containment bins so their contents may be dumped directly into hazardous waste drums.
  - Affix and maintain proper labeling to the drums.
  - Clean up and dispose of the caked waste paint dust from the surrounding ground.
- Qualified and state-licensed asbestos abatement contractors should be retained to disassemble the former transite maintenance shed and appropriately ship and dispose of the generated asbestos-containing waste. *(check type of asbestos)*
- To prevent further release of oil, repair the old compressor located within the shed attached to the southwest exterior wall of Building 1. Clean up oil from the surrounding floor.
- Continue with the removal of old, empty gas cylinders located along the northern portion of the Site.
- Remove the inoperable hydraulic lift and search for the associated hydraulic fluid reservoir. If located, the reservoir should also be removed.
- The secondary containment for the acetone drums should be weatherproofed to prevent infiltration and ponding of water that could impair the integrity of the secondary containment.
- Discontinue direct discharge of hydrostatic pressure test wastewater to the storm drain.
- Confirm that operational practices have been modified to prevent the release of carbide lime to the storm drain system.

In addition, we recommend that Praxair consider additional investigations (i.e., collection and analysis of soil samples) to evaluate the presence of chemicals of concern in the following areas:

- Metals (from paint dust) in the vicinity of the dust containment bins
- Mercury compounds in the former "monkey dust" handling and drying area between Buildings 1 and 2 *also Cu*
- PCBs within, beneath and adjacent to, the former slab-mounted transformer pad
- Petroleum hydrocarbons within and to the east of the former truck maintenance area in transite shed



- Hydraulic fluid in the vicinity of the hydraulic lift system associated with the Building 1 loading dock
- Following clean up of the stained area adjacent to the compressor, evaluate oils, potentially including PCBs
- Following removal of the cylinders from the northern portion of the Site, evaluate metals in soils in this area
- Acetone in soils adjacent to the secondary containment for the acetone drums

## **Section 7: Kennedy/Jenks Statement of Limitations**

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This Phase I ESA is based on review of reasonably ascertainable environmental records and historical data, results of limited interviews, and visual observations of recent site conditions. Kennedy/Jenks' activities were conducted in accordance with practices and procedures generally accepted in the environmental consulting field. No environmental sampling or analysis was undertaken for this Phase I ESA report.

This report represents Kennedy/Jenks' professional opinion and judgment, which are dependent upon information obtained during the performance of consulting services. Environmental conditions may exist at the site that cannot be identified by visual observations only. Any conclusions or recommendations will be necessarily based in part on information supplied by others, the accuracy or sufficiency of which may not be independently reviewed by Kennedy/Jenks. No ESA can be thorough enough to exclude the presence of hazardous materials at a given site; therefore, if no hazardous materials are identified during an assessment, such a finding should not be construed as a guarantee of the absence of such materials on the property, but rather the results of services performed within project scope, cost, and other limitations.

Any opinions and recommendations presented apply to the conditions existing at the time of performance of services. Kennedy/Jenks is unable to report on, or accurately predict events that may impact the site following performance of the described services, whether occurring naturally or caused by the actions of others. Kennedy/Jenks assumes no responsibility for conditions it is not authorized to investigate or conditions not generally recognized as environmentally unacceptable at the time services are performed. Kennedy/Jenks is not responsible for change in applicable environmental standards, practices, or regulations following performance of services.

## References

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- Alameda County Department of Environmental Health, Hazardous Materials Division, 24 January 1989. Letter from Rafat A. Shahid to Mr. William Stuhlreyer, Liquid Carbonic, RE: Notice of Violation.
- Alameda County Department of Environmental Health, Environmental Protection Division, 28 March 1995. Letter from Ms. Eva Chu to Mr. John Edwards, Liquid Carbonic, RE: Quarterly Monitoring Report for 901 Embarcadero, Oakland 94606.
- Alameda County Department of Environmental Health, Hazardous Materials Division, 24 January 1997. Remedial Action Certification letter sent to Mr. John Edwards (Liquid Carbonic Corp., Illinois), Ms. Cordelia Clark (Liquid Carbonic Corp., Oakland), and Mr. Neil Werner (Port of Oakland).
- Alameda County District Attorney's Office, 21 June 1989. Cover letter from John J. Meehan to Mr. Brian Curtis, Liquid Carbonic Industries Corp, of Complaint, Stipulation, and Order.
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- Clayton Environmental Consultants, 22 February 1993. Subsurface Investigation at Liquid Carbonic Corporation, 901 Embarcadero, Oakland, California. Prepared for Liquid Carbonic, Clayton Project No. 41899.05.
- Clayton Environmental Consultants, 24 May 1996. March 1996 Groundwater Sampling at Liquid Carbonic Corp. Facility, 901 Embarcadero, Oakland, CAL.. Prepared for Liquid Carbonic Corporation. Clayton Environmental Consultants Project No. 62676.00
- Environmental Data Resources, Inc., 22 August 2000. EDR-Radius Map with GeoCheck: Praxair, Inc./Alliance Gas Products, 901 Embarcadero, Oakland, CA 94606, Inquiry No. 0531666.3r.
- Environmental Data Resources, Inc., 23 August 2000. Sanborn Map Report: Praxair, Inc./Alliance Gas Products, 901 Embarcadero, Oakland, CA 94606, Inquiry No. 531666.4S.

Environmental Data Resources, Inc., 25 August 2000. EDR-Aerial Photography Print Service: Praxair, Inc./Alliance Gas Products, 901 Embarcadero, Oakland, CA 94606, Inquiry No. 531666-5.

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Liquid Carbonic Specialty Gas Corp., 23 February 1989. Letter from Mr. John Edwards to Mr. Lowell Miller, Department of Environmental Health, Hazardous Materials Division, RE: Response to letter dated 24 January 1989.

Subsurface Consultants, Inc., 8 February 1991. Closure Report for Four Underground Storage Tanks, Liquid Carbonic, 901 Embarcadero, Oakland, California. Prepared for Liquid Carbonic. Subsurface Consultants, Inc. Project No. 364.019.

United States Environmental Protection Agency, 18 August 1999. California – EPA Map of Radon Zones. <http://www.epa.gov/iaq/radon/zonemap/zmapp5.htm>

United States Geological Survey, 1981. West Oakland Quadrangle 7½ -Minute Topographic Map Series. Scale 1:24,000.

## Tables

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**Table 1: 1999 Hazardous Materials Inventory<sup>(a)</sup>**

Hazardous Material	Single Container Size <sup>(b)</sup>	Maximum No. Containers on Site	Maximum Amount of Material Present
Acetone	55 gallons	4 drums	220 gallons
Acetylene	400 ft <sup>3</sup>	50 cylinders	20,000 ft <sup>3</sup>
Air (O <sub>2</sub> /N <sub>2</sub> )	350 ft <sup>3</sup>	15 cylinders	5,250 ft <sup>3</sup>
Argon	336 ft <sup>3</sup>	18 cylinders	6,000 ft <sup>3</sup>
Argon	3,500 gallons	1 AST	3,500 gallons
Carbon Dioxide	18,000 pounds	1 AST	18,000 pounds
Carbon Dioxide	100 pounds	25 cylinders	2,500 pounds
Calcium Carbide	5,000 pounds	30 Flo-bins	150,000 pounds
Calcium Hydroxide	10,000 gallons	4 ASTs	40,000 gallons
Ethylene	100 pounds	3 cylinders	300 pounds
Helium	175,000 ft <sup>3</sup>	1 tube trailer	175,000 ft <sup>3</sup>
Hydrogen	350 ft <sup>3</sup>	28 cylinders	9,800 ft <sup>3</sup>
Nitrogen, liquid	7,000 gallons <sup>(c)</sup>	1 AST	7,000 gallons
Nitrogen, compressed	304 ft <sup>3</sup>	33 cylinders	10,000 ft <sup>3</sup>
Nitrous Oxide	65 pounds	31 cylinders	2,000 pounds
Oxygen, liquid	4,500 gallons <sup>(d)</sup>	1 AST	4,500 gallons
Oxygen, compressed	337 ft <sup>3</sup>	18 cylinders	6,000 ft <sup>3</sup>
Paint (2-butoxyethanol/2-butanol)	5 gallons	20 cans	100 gallons
Propane	490 gallons	1 AST	600 gallons
Welding Mix (He/Ar/CO <sub>2</sub> )	350 ft <sup>3</sup>	20 cylinders	7,000 ft <sup>3</sup>
Welding Mix (CO <sub>2</sub> /Argon)	390 ft <sup>3</sup>	40 cylinders	16,000 ft <sup>3</sup>
Welding Mix (Argon/Helium)	350 ft <sup>3</sup>	20 cylinders	6,000 ft <sup>3</sup>
Welding Mix (Argon/O <sub>2</sub> )	350 ft <sup>3</sup>	22 cylinders	8,000 ft <sup>3</sup>
P-5 Mix (Argon/Methane)	350 ft <sup>3</sup>	20 cylinders	7,000 ft <sup>3</sup>
Anaerobic Mix (CO <sub>2</sub> /H <sub>2</sub> /N <sub>2</sub> )	350 ft <sup>3</sup>	20 cylinders	7,000 ft <sup>3</sup>
Hydrogen/Argon Mix	350 ft <sup>3</sup>	20 cylinders	7,000 ft <sup>3</sup>
Flame Ionization Mix (H <sub>2</sub> /N <sub>2</sub> or He)	300 ft <sup>3</sup>	20 cylinders	6,000 ft <sup>3</sup>
Lung Diffusion Mix (CO <sub>2</sub> /H <sub>2</sub> /Ne/C <sub>2</sub> H <sub>2</sub> /O <sub>2</sub> /N <sub>2</sub> )	300 ft <sup>3</sup>	20 cylinders	6,000 ft <sup>3</sup>

(a) Source: Hazardous Materials Business Plan (HMBP) dated 1999 submitted by Alliance Gas Products to the City of Oakland Fire Department, Office of Emergency Services.

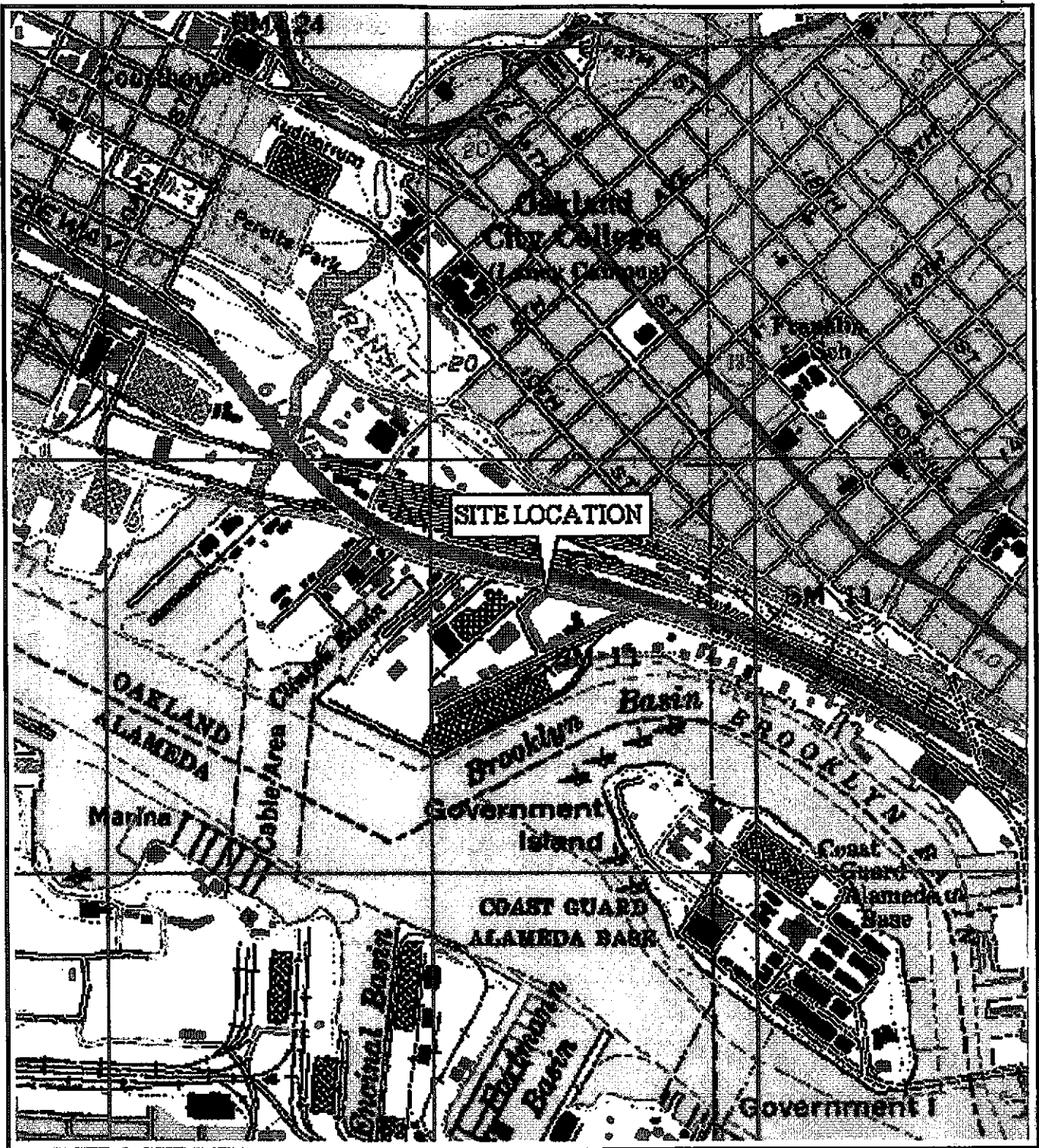
(b) Single container size in gallons, pounds, or cubic feet (ft<sup>3</sup>).

(c) Identified in HMBP as 650,000 ft<sup>3</sup>, which is presumed to be gaseous nitrogen.

(d) Identified in HMBP as 4,500 pounds, 4,500 gallons is unit of measure more consistent with industry standards.

## Figures

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BASE MAP: USGS 7.5' QUADRANGLE  
 TOPOGRAPHIC SERIES; OAKLAND, WEST



0 500 1000  
 SCALE IN FEET

**Kennedy/Jenks Consultants**

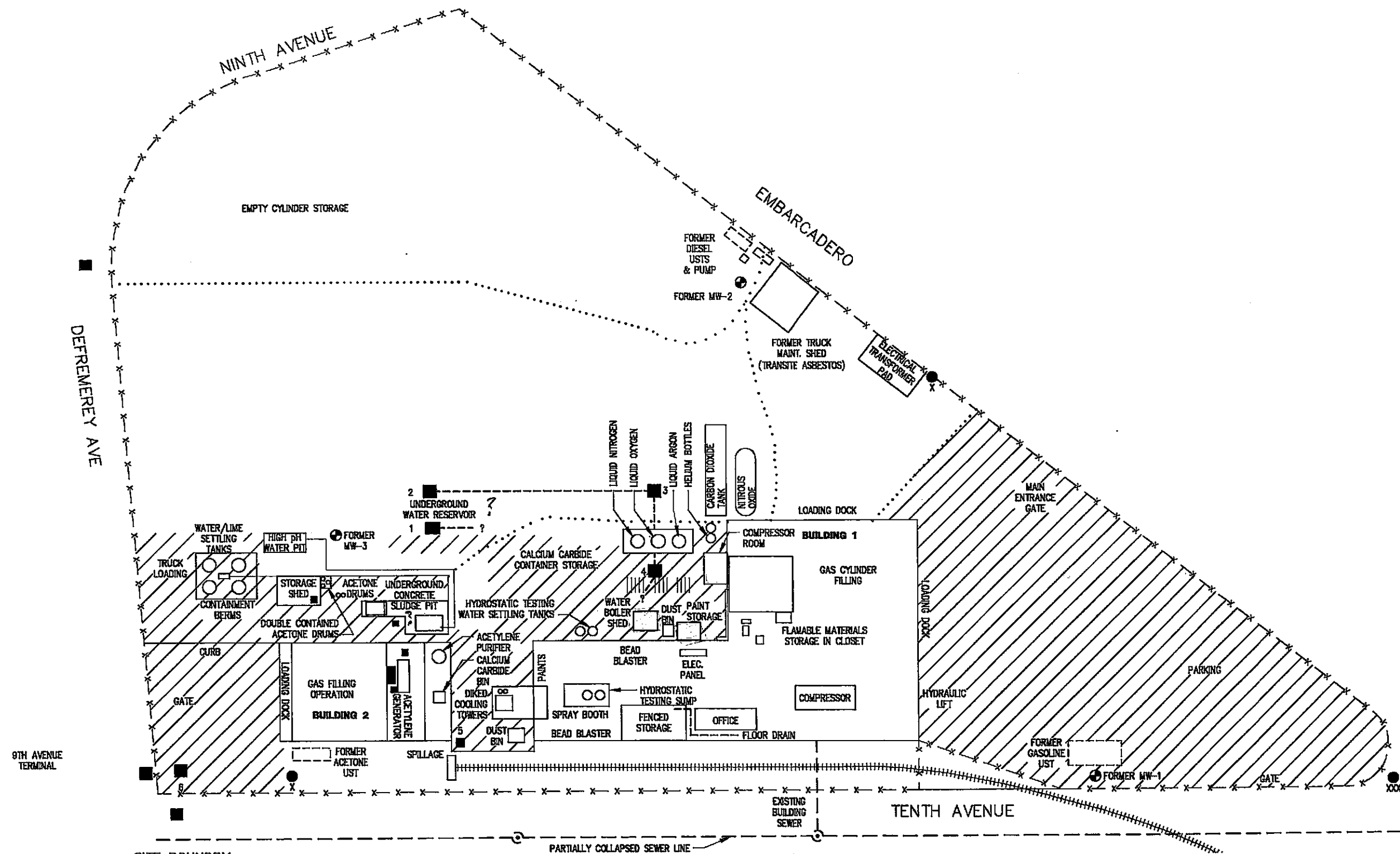
901 EMBARCADERO, OAKLAND, CALIFORNIA  
 ENVIRONMENTAL SITE ASSESSMENT

SITE LOCATION MAP

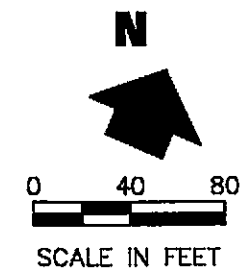
K/J 000128.00  
 SEPTEMBER 2000

**Figure 1**





- x-x-x-x- SITE BOUNDARY
- x-x-x-x- FENCE
- POLE MOUNTED ELECTRICAL TRANSFORMER(S)
- FORMER UST GROUNDWATER MONITORING WELL AND ID
- SANITARY SEWER PIPE AND MAINTENANCE HOLE
- ++++ RAILROAD TRACK SPUR
- STORM DRAIN PIPE AND DROP INLET
- //// ASPHALT OR CONCRETE PAVED AREAS



**Kennedy/Jenks Consultants**  
 901 EMBARCADERO, OAKLAND, CALIFORNIA  
 ENVIRONMENTAL SITE ASSESSMENT

SITE LAYOUT SKETCH

SEPTEMBER 2000  
**Figure 2**  
 K/J 000128.00

**Appendix A**

---

Scope of Services Agreement

# Kennedy/Jenks Consultants

## Engineers & Scientists

622 Folsom Street  
San Francisco, California 94107  
415-243-2150  
FAX 415-896-0999

22 August 2000

Mr. Nicholas A. DiFranco  
Manager, Environmental Affairs  
Praxair Inc.  
Industrial Avenue  
P.O. Box 237  
Keasbey, NJ 08832

Subject: Proposal for Environmental Consulting Services  
Phase I Environmental Site Assessment  
Property at 901 Embarcadero, Oakland, California  
K/J 00-082 NCIS

Dear Mr. DiFranco:

Kennedy/Jenks Consultants (Kennedy/Jenks) is pleased to submit this proposal to you for consulting services pertaining to a Phase I Environmental Site Assessment for the property leased by Praxair and located at 901 Embarcadero in Oakland, California. This proposal is submitted in response to your request during our telephone conversation on 16 August 2000.

Our proposed Scope of Services and budget are presented in Attachment A.

If this proposal meets with your approval, please sign and return one copy to our office to serve as our authorization to proceed. If you have any questions, please call me at (415) 243-2534.

Very truly yours,

KENNEDY/JENKS CONSULTANTS

*Meredith G. Durant*

Meredith G. Durant, P.E.  
Environmental Engineering Manager

Enclosures

## **Attachment A: Proposal for Phase I Environmental Site Assessment**

---

### **A.1 Introduction and Background**

Kennedy/Jenks Consultants (Kennedy/Jenks) understands that Praxair Inc. (Praxair) wishes to retain the services of an environmental consultant to perform a Phase I environmental site assessment (ESA) for the property located at 901 Embarcadero in Oakland, California. We understand that Praxair currently leases this property from the Port of Oakland, and that Praxair currently subleases the property to Alliance Gas Products. The property has historically and is currently used for industrial purposes, including generation of acetylene gas and packaging of other industrial gasses.

### **A.2 Scope of Services**

#### **A.2.1 Task 1 - Phase I Environmental Site Assessment**

Kennedy/Jenks proposes to perform the following tasks for the Phase I ESA, consistent with ASTM Standard E 1527-97 - *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*, developed by the ASTM subcommittee on the ESAs for commercial real estate.

##### **A.2.1.1 Task 1.1 - Review of Site History**

Pertinent available data will be reviewed in an attempt to determine historical uses of the property and to identify known and potential sources of hazardous chemical releases.

Examples of information to be included in the site history may include:

- Tank leaks, replacements, and in-place closures or removals
- Onsite hazardous materials releases, including cause and cleanup actions
- Onsite waste disposal, including hazardous, liquid, and solid waste disposal

The following sources of information, if available, will be used to summarize the history of the site and adjacent properties and may include:

- Documents from city and county historical societies, old business directories, Sanborn maps, and other historic documents
- Historical and current aerial photographs
- City or county hazardous materials business plans, inventories, and chemical incident reports
- Interviews with people knowledgeable of previous site activities

**A.2.1.2 Task 1.2 - Review of Regulatory Records**

Kennedy/Jenks will review available regulatory agency records and properties in the vicinity of the site. A summary will be obtained from a regulatory agency database search company. Typically, the information consists of a database summary of pertinent regulatory agency files.

As appropriate, a regulatory records review will focus on obtaining the following information, if available:

- Past and present uses, including vacant land
- Data on nearby hazardous waste sites, gasoline stations, dry cleaners, etc.
- Past incidents related to chemical releases to the environment
- Existing soil and groundwater impacts, including remedial activities
- Evidence of hazardous materials/waste

Regulatory issues related to the potential release of hazardous materials, hazardous wastes, or petroleum involving the site or nearby sites will be documented.

Kennedy/Jenks will be assisted with the regulatory records review by a regulatory agency database search company. The lists to be reviewed include, but are not limited to the following:

- The U.S. Environmental Protection Agency's Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS)
- California Regional Water Quality Control Board Fuel Leaks and Toxic Cases lists
- The California Department of Health Services' Abandoned Sites Lists and Expenditure Plan for Hazardous Waste Bond Cleanup Act 1984
- The Cortese List of Hazardous Material Sites in California

In addition, local agencies such as the fire department and wastewater districts may also be contacted. Kennedy/Jenks will review regulatory records and interview regulatory staff as appropriate. Available information sought will include:

- Enforcement action at the subject property or immediately adjacent properties
- Reported releases of hazardous substances to the environment at the subject property or immediately adjacent properties
- Surveys or studies conducted by others regarding the presence or potential emissions of radon gas
- The presence and current status of underground tanks at the subject property and immediately adjacent properties
- Permits, inspection reports, and environmental reports

**A.2.1.3 Task 1.3 - Site Visit and Offsite Reconnaissance**

Kennedy/Jenks will visit and visually assess the site for the presence of hazardous materials and evidence of potential environmental problems. Visual observation of neighboring sites will also be conducted from publicly accessible areas. The site visit will focus on the following, as appropriate:

- Underground and aboveground storage tanks
- Hazardous materials and hazardous waste storage/disposal areas
- Stained ground surfaces and stressed and dead vegetation
- Electrical transformers and capacitors
- Groundwater monitoring wells on the subject property
- Presence of surface water
- Existing water supply wells
- Storm drain and sewer lines

Kennedy/Jenks will conduct a visual assessment of the potential presence of asbestos-containing building materials (ACBMs), electrical equipment containing polychlorinated biphenyls (PCBs), and lead-containing paint on building surfaces. However, environmental sampling or laboratory analyses of building materials (e.g., asbestos, lead-based paint, PCBs) are not proposed in this scope of services.

**A.2.2 Task 2 - Preparation of Report**

Following the completion of the above tasks, Kennedy/Jenks will prepare a report summarizing the findings and our conclusions and recommendations. The report will include:

- A summary description of site history, including the name and address of the current property owner, property address, geographical location, maps showing the site and surrounding area, brief description of the site and adjacent properties, and a description of regional physiographic conditions.
- A description of the observations made during the site visit and offsite reconnaissance. Current site activities and uses of the site will be described and will include processes used in production, land use(s), interior/exterior housekeeping, storage areas for chemical/raw materials and hazardous wastes and trash, and other observations based on our site visit.
- Conclusions regarding the presence of documented or suspected hazardous substances releases and associated environmental concerns.
- Recommendations will be provided, if appropriate, for further investigations needed to confirm or characterize suspected environmental concerns.

The report will represent Kennedy/Jenks' professional opinion and judgment, which are dependent upon information obtained during performance of consulting services. Environmental conditions may exist at the site that cannot be identified through the proposed visual observations and sampling activities. Any conclusions or recommendations will be necessarily based in part on information supplied by others, the accuracy or sufficiency of which may not be independently

reviewed by Kennedy/Jenks. No investigation can be thorough enough to exclude the presence of hazardous materials at a given site; therefore, if no hazardous materials are identified during an assessment, such a finding should not be construed as a guarantee of the absence of such materials on the property, but rather the results of services performed within project scope, cost, and other limitations.

Any opinions and recommendations presented apply to site conditions existing at the time of performance of services. Kennedy/Jenks is unable to report on, or accurately predict events which may impact the site following performance of the described services, whether occurring naturally or caused by external forces. Kennedy/Jenks assumes no responsibility for conditions it is not authorized to investigate or conditions not generally recognized as environmentally unacceptable at the time services are performed. Kennedy/Jenks is not responsible for changes in applicable environmental standards, practices, or regulations following performance of services.

### **A.3 Compensation for Consulting Services**

Because the exact level of effort to complete the proposed scope of services cannot be identified at this time, we propose that compensation for our services be on a time and materials reimbursement basis in accordance with the attached 1 January 2000 Schedule of Charges. On the basis of our proposed scope of services presented above, we propose a budget of \$4,500. Our budget assumes that Praxair will be responsible for arranging for access to perform the site visit.

### **A.4 Schedule**

Kennedy/Jenks is prepared to begin work on this project upon receipt of authorization to proceed from Praxair. If there are no delays resulting from access constraints, we anticipate a draft report will be submitted to Praxair within approximately four weeks of receipt of authorization to proceed.

**A.5 Terms and Conditions**

To assure a clear understanding of all matters related to our mutual responsibilities, the attached Standard Conditions, dated 3 January 1996, are made a part of our Agreement. We have found these terms to be appropriate for use with agreements for the provision of consulting services; and accordingly, should any conflict exist between the attached terms and the form of any purchase order or confirmation issued, the terms of the attached Standard Conditions shall prevail in the absence of our express agreement.

**AUTHORIZATION:**

KENNEDY/JENKS CONSULTANTS, INC.

PRAXAIR INC.

*Meredith G. Durant*

Meredith G. Durant, P.E.  
Environmental Engineering Manager

By: \_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Print Name)

Title: \_\_\_\_\_

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



# **Appendix B**

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Assessors Parcel Map

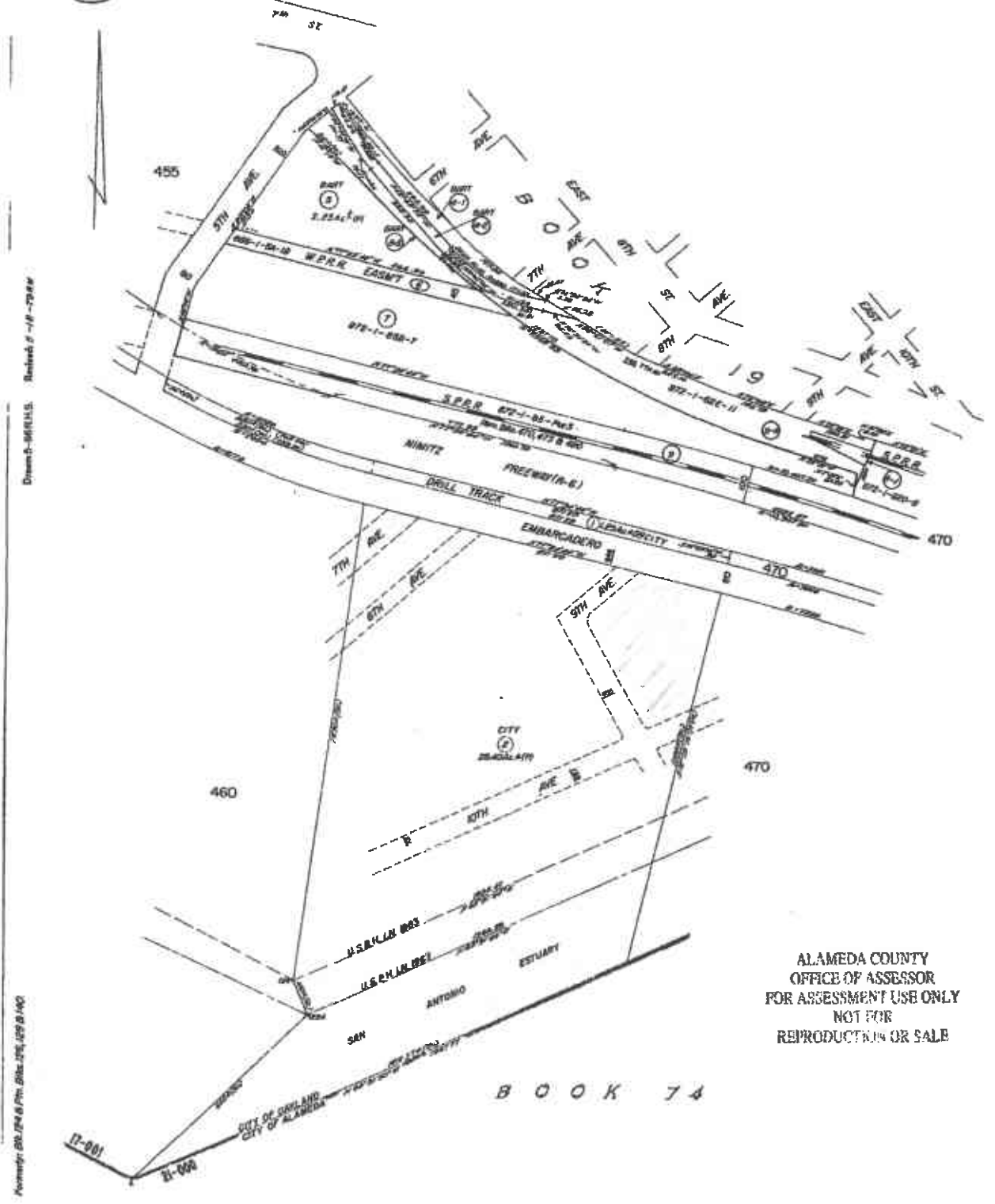
ASSESSOR'S MAP 0

Code Area Nos. (7-00)

465

Scale: 1" = 200'

STATE OF CALIFORNIA PATENT TO JAMES T. STRATTON (Bk. 6 Pg. 65)



Drawn by: W.M.H.S. Reduced 0-11-72

Property: 820, 824 & Pts. 824a, 824b, 429 & 430

ALAMEDA COUNTY  
OFFICE OF ASSESSOR  
FOR ASSESSMENT USE ONLY  
NOT FOR  
REPRODUCTION OR SALE

BOOK 74

ACA

Reference Case 7-1-2

101

ASSESSOR'S MAP O

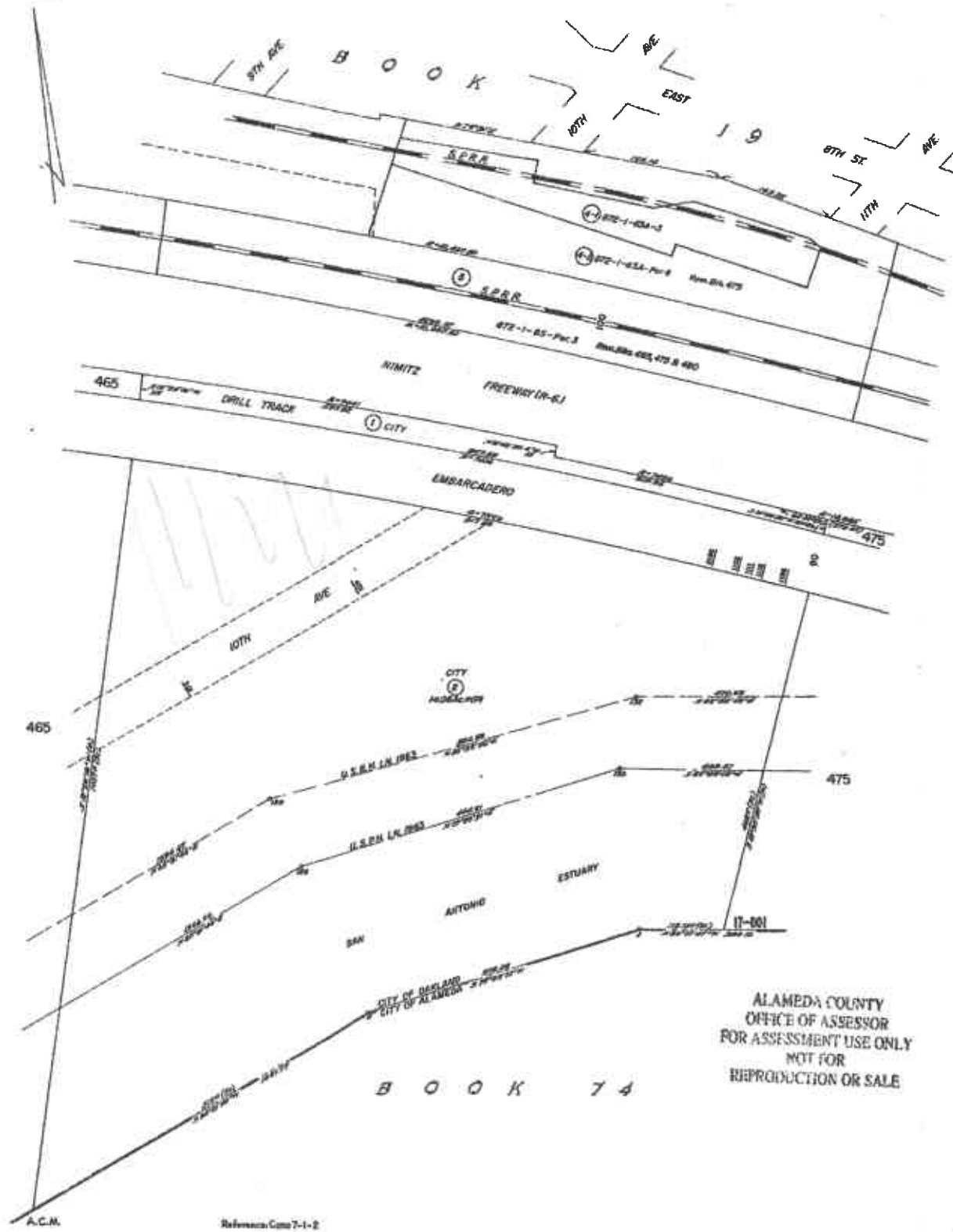
Code Area Nos. 17-001

470 Scale: 1" = 100'

STATE OF CALIFORNIA PATENT TO JAMES T. STRATTON (Bk. 9 Pg. 55)

Drawn: G-056A.H.S. Book: 74-2-17-001

Property: Phn. Bds. and B. 142



ALAMEDA COUNTY OFFICE OF ASSESSOR FOR ASSESSMENT USE ONLY NOT FOR REPRODUCTION OR SALE

## **Appendix C**

---

### Environmental Records Search Summary Report



**Environmental  
Data  
Resources, Inc.**

*an edr company*

## **The EDR-Radius Map with GeoCheck®**

**Praxair, Inc./Alliance Gas Products  
901 Embarcadero  
Oakland, CA 94606**

**Inquiry Number: 0531666.3r**

**August 22, 2000**

## ***The Source* For Environmental Risk Management Data**

3530 Post Road  
Southport, Connecticut 06490

### **Nationwide Customer Service**

Telephone: 1-800-352-0050  
Fax: 1-800-231-6802  
Internet: [www.edrnet.com](http://www.edrnet.com)

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Overview Map.....	2
Detail Map.....	3
Map Findings Summary.....	4
Map Findings.....	6
Orphan Summary.....	101

### GEOCHECK ADDENDUM

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-35

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

#### Disclaimer and Other Information

This Report contains information obtained from a variety of public and other sources and Environmental Data Resources, Inc. (EDR) makes no representation or warranty regarding the accuracy, reliability, quality, suitability, or completeness of said information or the information contained in this report. The customer shall assume full responsibility for the use of this report.

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## EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc. (EDR). The report meets the government records search requirements of ASTM Standard Practice for Environmental Site Assessments, E 1527-00. Search distances are per ASTM standard or custom distances requested by the user.

### TARGET PROPERTY INFORMATION

#### ADDRESS

901 EMBARCADERO  
OAKLAND, CA 94606

#### COORDINATES

Latitude (North): 37.789200 - 37° 47' 21.1"  
Longitude (West): 122.254500 - 122° 15' 16.2"  
Universal Transverse Mercator: Zone 10  
UTM X (Meters): 565641.9  
UTM Y (Meters): 4182483.2

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property: 2437122-G3 OAKLAND WEST, CA  
Source: USGS 7.5 min quad index

### 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>
LIQUID CARBONIC CORP 901 EMBARCADERO OAKLAND, CA 94606	CERC-NFRAP LUST	CAD009156662
LIQUID CARBONIC CORP. 901 EMBARCADERO OAKLAND, CA 94606	Ca. FID Notify 65 UST	N/A
LIQUID CARBONIC I/M CORP. 901 EMBARCADERO OAKLAND, CA 94608	UST	N/A
LIQUID CARBONIC CORPORATION 901 EMBARCADERO OAKLAND, CA 94608	RCRIS-SQG FINDS TSCA UST Cal-Sites	CAD982483059
ALLIANCE GAS PRODUCTS 901 EMBARCADERO ST EAST OAKLAND, CA 94606	RCRIS-SQG HAZNET	CAD982044661
LIQUID CARBONIC INDUSTRIES CORP 901 EMBARCADERO RD OAKLAND, CA 94606	TSCA	N/A

## EXECUTIVE SUMMARY

### DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ( "reasonably ascertainable ") government records either on the target property or within the ASTM E 1527-00 search radius around the target property for the following databases:

### FEDERAL ASTM STANDARD

**NPL**..... National Priority List  
**Delisted NPL**..... NPL Deletions  
**CERCLIS**..... Comprehensive Environmental Response, Compensation, and Liability Information System  
**CORRACTS**..... Corrective Action Report  
**RCRIS-TSD**..... Resource Conservation and Recovery Information System  
**ERNS**..... Emergency Response Notification System

### STATE ASTM STANDARD

**AWP**..... AWP  
**Toxic Pits**..... Toxic Pits  
**SWF/LF**..... State Landfill  
**WMUDS**..... WMUDS/SWAT

### FEDERAL ASTM SUPPLEMENTAL

**CONSENT**..... CONSENT  
**ROD**..... ROD  
**HMIRS**..... Hazardous Materials Information Reporting System  
**MLTS**..... Material Licensing Tracking System  
**MINES**..... Mines Master Index File  
**NPL Lien**..... NPL Liens  
**PADS**..... PCB Activity Database System  
**RAATS**..... RCRA Administrative Action Tracking System  
**TRIS**..... Toxic Chemical Release Inventory System

### STATE OR LOCAL ASTM SUPPLEMENTAL

**AST**..... Aboveground Petroleum Storage Tank Facilities  
**Ca. WDS**..... CA WDS

### SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

Elevations have been determined from the USGS 1 degree 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. EDR's definition of a site with an elevation equal to the target property includes a tolerance of +/- 10 feet. 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 (by more than 10 feet). 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.



## EXECUTIVE SUMMARY

### FEDERAL ASTM STANDARD

**CERCLIS-NFRAP:** As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund Action or NPL consideration. EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

A review of the CERC-NFRAP list, as provided by EDR, and dated 04/16/2000 has revealed that there is 1 CERC-NFRAP site 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>
<b>MIDLAND ROSS CORP METAL FRAMIN</b>	<b>845 EMBARCADERO</b>	<b>0 - 1/8 NW</b>	<b>B10</b>	<b>13</b>

**RCRIS:** The Resource Conservation and Recovery Act database includes selected information on sites that generate, store, treat, or dispose of hazardous waste as defined by the Act. The source of this database is the U.S. EPA.

A review of the RCRIS-LQG list, as provided by EDR, and dated 05/18/2000 has revealed that there is 1 RCRIS-LQG site 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>
<b>MIDLAND ROSS CORP METAL FRAMIN</b>	<b>845 EMBARCADERO</b>	<b>0 - 1/8 NW</b>	<b>B10</b>	<b>13</b>

**RCRIS:** The Resource Conservation and Recovery Act database includes selected information on sites that generate, store, treat, or dispose of hazardous waste as defined by the Act. The source of this database is the U.S. EPA.

A review of the RCRIS-SQG list, as provided by EDR, and dated 05/18/2000 has revealed that there are 4 RCRIS-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>
<b>KEEP ON TRUCKING CO INC</b>	<b>370 8TH AVE</b>	<b>1/8 - 1/4 W</b>	<b>C18</b>	<b>18</b>
<b>PHOTON PRESS INC</b>	<b>1036 E 8TH ST</b>	<b>1/8 - 1/4 ENE</b>	<b>E23</b>	<b>21</b>
<b>EAST BAY ENAMELING INC</b>	<b>1024 9TH AVE</b>	<b>1/8 - 1/4 NNE</b>	<b>F24</b>	<b>21</b>
<b>SALLE'S PAINT &amp; BODY</b>	<b>1049 9TH AVENUE</b>	<b>1/8 - 1/4 NE</b>	<b>F28</b>	<b>23</b>

### STATE ASTM STANDARD

**CAL-SITES:** Formerly known as ASPIS, this database contains both known and potential hazardous substance sites. The source is the California Department of Toxic Substance Control.

A review of the Cal-Sites list, as provided by EDR, has revealed that there are 9 Cal-Sites 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>
<b>CAPITOL SUPPLY COMPANY</b>	<b>351 EMBARCADERO</b>	<b>1/4 - 1/2 WNW</b>	<b>O59</b>	<b>43</b>

## EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
BEDFORD PROPERTY SITE	54 EMBARCADERO STREET	1/2 - 1 WNW	78	53
WILFRED'S AUTO WRECKING	1834 7TH STREET	1/2 - 1 NNE	82	56
<b>LIPS PROPELLERS</b>	<b>1899 7TH AVE</b>	<b>1/2 - 1 NE</b>	<b>84</b>	<b>62</b>
LAKESIDE NON-FERROUS METALS CO	412 MADISON STREET	1/2 - 1 WNW	97	72
PENNZOIL COMPANY	2015 GRAND STREET	1/2 - 1 S	99	75
ALAMEDA UNIFIED SCHOOL SITE (P	1527 BUENA VISTA AVENUE	1/2 - 1 SSW	104	79
<b>KEM MIL CO, DIVISION OF GRAPHI</b>	<b>1829 CLEMENT AVENUE</b>	<b>1/2 - 1 SSE</b>	<b>113</b>	<b>85</b>
<b>PORT OF OAKLAND - EMBARCADERO</b>	<b>DENNISON / EMBARCADERO</b>	<b>1/2 - 1 SE</b>	<b>T117</b>	<b>89</b>

**CHMIRS:** The California Hazardous Material Incident Report System contains information on reported hazardous material incidents, i.e., accidental releases or spills. The source is the California Office of Emergency Services.

A review of the CHMIRS list, as provided by EDR, and dated 12/31/1994 has revealed that there are 17 CHMIRS 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>
Not reported	845 EMBARCADERO ST	0 - 1/8 WNW	15	16
Not reported	S.B. HWY 880 @ 5TH AVE.	1/4 - 1/2 WNW	56	42
Not reported	1235 E-14 STREET	1/4 - 1/2 ENE	60	44
Not reported	I-880 20' N/16TH AVE	1/2 - 1 ESE	Q71	51
Not reported	N/B I-880 S/O 16TH AVE.	1/2 - 1 ESE	Q72	51
Not reported	I 880 S/B @ 16TH AVENUE	1/2 - 1 ESE	Q73	51
Not reported	E 12TH STREET @ 16TH AV	1/2 - 1 ESE	74	51
Not reported	1138 E. 17TH STREET	1/2 - 1 ENE	76	52
Not reported	MARIN WAY / 16TH AVE	1/2 - 1 E	79	55
Not reported	A/O VICTORY COURT / F	1/2 - 1 WNW	86	67
Not reported	1832 E-12 STREET	1/2 - 1 ESE	88	68
Not reported	N/B I-880 OAK STREET OF	1/2 - 1 NW	91	70
Not reported	#2 PACIFIC MARINA	1/2 - 1 WSW	101	77
Not reported	210 EMBARCADERO	1/2 - 1 WNW	S108	84
Not reported	N/B I-880 625'N/JACKSON	1/2 - 1 WNW	110	84
Not reported	6TH / ALICE ST.	1/2 - 1 NW	114	89
Not reported	1899 DENNISON	1/2 - 1 SE	T116	89

**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, has revealed that there are 23 Cortese 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>
BART MAINT FACILITY	(NO STREET NBR) 5TH ST	0 - 1/8 NNW	14	15
<b>KEEP ON TRUCKING CO INC</b>	<b>370 8TH AVE</b>	<b>1/8 - 1/4 W</b>	<b>C18</b>	<b>18</b>
J & R USED AUTO PARTS	823 12TH ST	1/4 - 1/2 NNE	J40	33
<b>PERALTA DISTRICT ADMIN CENTER</b>	<b>501 5TH AVE</b>	<b>1/4 - 1/2 NW</b>	<b>47</b>	<b>37</b>
<b>GIBSON PAINT CO.</b>	<b>1199 E 12TH ST</b>	<b>1/4 - 1/2 ENE</b>	<b>M52</b>	<b>40</b>
<b>STERN PROPERTY</b>	<b>1033 4TH AVE</b>	<b>1/4 - 1/2 NNW</b>	<b>61</b>	<b>45</b>
<b>TIME OIL COMPANY</b>	<b>255 14TH ST</b>	<b>1/2 - 1 N</b>	<b>77</b>	<b>52</b>

## EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
PORT OF OAKLAND EMB COVE	1755 EMBARCADERO	1/2 - 1 ESE	80	55
SUNSET WHOLESALE COMPANY	105 EMBARCADERO	1/2 - 1 WNW	81	56
PEERLESS COFFEE	225 FALLON ST	1/2 - 1 WNW	83	61
VUKASIM PROPERTY	54 EMBARCADERO	1/2 - 1 WNW	85	67
GRAND MARINA INC	2099 GRAND ST	1/2 - 1 SSE	89	68
YUEN'S AUTOMOTIVE	1901 PARK BLVD	1/2 - 1 NNE	94	70
ENCINAL MARINA	2051 GRAND ST	1/2 - 1 S	95	71
MARINA VILLAGE	2051 SHERMAN ST	1/2 - 1 SW	96	71
PE O'HAIR & COMPANY	339 3RD ST	1/2 - 1 WNW	98	74
SILVEIRA PROPERTY	1200 20TH AVE	1/2 - 1 ESE	100	77
EAST BAY PACKING COMPANY	208 JACKSON ST	1/2 - 1 WNW	R103	77
UNITED BEVERAGE DISTRIBUTORS	105 JACKSON ST	1/2 - 1 WNW	S105	81
SHELL OIL CO	2101 PARK BLVD/NEWTON	1/2 - 1 NNE	106	83
MILLER PACKING	206 2ND ST	1/2 - 1 WNW	R107	83
FUTURE AMTRAK STATION	245 2ND ST	1/2 - 1 WNW	111	84
WEYERHAUSER COMPANY	1801 HIBBARD ST	1/2 - 1 S	112	85

**NOTIFY 65:** Notify 65 records contain facility notifications about any release that could impact drinking water and thereby expose the public to a potential health risk. The data come from the State Water Resources Control Board's Proposition 65 database.

A review of the Notify 65 list, as provided by EDR, has revealed that there are 11 Notify 65 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>
CROWLEY MARITIME CORPORATION	PAC. DRY DOCKS, YARDS 1	1/4 - 1/2 ESE	31	27
AMERICAN INK PRODUCTS	630 EAST 10TH STREET	1/4 - 1/2 NNW	36	31
CROWLEY MARITIME CORP.	PAC. DRY DOCK REPAIR YA	1/4 - 1/2 ESE	37	31
DAVLIN PAINT	1401 14TH	1/4 - 1/2 E	65	46
COAST GUARD EXCHANGE GAS STA.	COAST GUARD ISLE BLDG 2	1/2 - 1 SSE	75	52
LANEY COLLEGE	600 FALLON STREET	1/2 - 1 NW	87	68
KNOWN	1755 EMBARCADECO EAST	1/2 - 1 ESE	90	69
VUKASIN/SOUTHERN PACIFIC TRANS	54 EMBARCADERO AT FALLO	1/2 - 1 WNW	92	70
YUEN'S EXXON SERVICE	1901 PARK BOULEVARD	1/2 - 1 NNE	93	70
SERVICE STATION	2200 EAST 12TH STREET	1/2 - 1 ESE	109	84
SENNA AUTOMOTIVE	2301 EAST 12TH STREET	1/2 - 1 ESE	115	89

**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 04/11/2000 has revealed that there are 33 LUST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
CANNEY BLDG H 211	845 EMBARCADERO	0 - 1/8 NW	B8	12
KEEP ON TRUCKING CO INC	370 8TH AVE	1/8 - 1/4 W	C18	18
MARINE TERMINALS CORPORATION	101 10TH AVE	1/8 - 1/4 SW	G26	22
SALLE'S PAINT & BODY	1049 9TH AVENUE	1/8 - 1/4 NE	F28	23
BART OAKLAND SHOP	601 EAST 8TH ST	1/4 - 1/2 NNW	H32	27
BART OAKLAND MAINT. FAC.	601 E 8TH ST	1/4 - 1/2 NNW	H33	28
AMERICAN INK PRODUCT CO.	630 E 10TH ST	1/4 - 1/2 N	35	31

## EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>AMERICAN INK PRODUCTS</b>	<b>630 EAST 10TH STREET</b>	<b>1/4 - 1/2NNW</b>	<b>36</b>	<b>31</b>
ALLIFT & EQUIPMENT CO.	251 5TH AVE	1/4 - 1/2NW	I38	32
ALLIFT & EQUIPMENT COMPANY	251 5TH AVE	1/4 - 1/2NW	I39	32
FORMER J B AUTO	823 E 12TH ST	1/4 - 1/2NNE	J41	33
JR USED AUTO PARTS	823 12TH ST E	1/4 - 1/2NNE	J42	33
CAKEBREAD'S GARAGE, INC.	802 E 12TH ST	1/4 - 1/2NNE	J43	34
<b>CAKEBREAD'S GARAGE INC</b>	<b>802 E 12TH ST</b>	<b>1/4 - 1/2NNE</b>	<b>J44</b>	<b>35</b>
GLASS ON THE MOVE	1111 12TH ST E	1/4 - 1/2ENE	K45	36
<b>HALSTED, N. GRAY, CAREW &amp; ENGL</b>	<b>1101 SUTTER STREET</b>	<b>1/4 - 1/2ENE</b>	<b>K46</b>	<b>36</b>
<b>PERALTA DISTRICT ADMIN CENTER</b>	<b>501 5TH AVE</b>	<b>1/4 - 1/2NW</b>	<b>47</b>	<b>37</b>
FORMER COM COLLEGE -LANEY	333 E 8TH ST	1/4 - 1/2NNW	48	38
FORMER HARLEY DAVIDSON	744 E 12TH ST	1/4 - 1/2NNE	L49	38
HARLEY DAVIDSON MOTORCYCLE	744 12TH ST E	1/4 - 1/2NNE	L50	38
NAS ALAMEDA	B 117 AVENUE 6	1/4 - 1/2W	51	39
FORMER COOPER TIRE SHOP	1200 E 12TH ST	1/4 - 1/2ENE	M53	40
COOPER TIRE SHOP FORMER	1200 12TH ST E	1/4 - 1/2ENE	M54	41
<b>GIBSON PAINT COMPANY</b>	<b>1199 E. 12TH ST.</b>	<b>1/4 - 1/2ENE</b>	<b>M55</b>	<b>41</b>
MERRITT ENV CORP	1044 5TH AVE	1/4 - 1/2N	N57	42
MERRITT ENVIRONMENTAL CORP	1044 5TH AVE	1/4 - 1/2N	N58	42
<b>STERN PROPERTY</b>	<b>1033 4TH AVE</b>	<b>1/4 - 1/2NNW</b>	<b>61</b>	<b>45</b>
FORMER PACIFIC DRY DOCK YARD 2	321 EMBARCADERO	1/4 - 1/2WNW	O62	45
PACIFIC DRY DOCK YARD #2 FORME	321 EMBARCADERO	1/4 - 1/2WNW	O63	46
PACIFIC DRY DOCK YARD #2 FORME	321 EMBARCADERO	1/4 - 1/2WNW	O64	46
RESIDENTIAL	725 E 15TH (-727)	1/4 - 1/2NNE	66	47
JOHNSTON SONS	801 3RD AVE	1/4 - 1/2NNW	67	47
GENERAL TIRE	1201 14TH AVE	1/4 - 1/2E	P69	48

**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 10/15/1990 has revealed that there are 7 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>
BLDG. P-323	1755 EMBARCADERO	0 - 1/8 ENE	7	11
SUPERSTRUT DIVISION	845 EMBARCADERO	0 - 1/8 NW	B11	13
ARCO #230	2190 CARROLL AVENUE	1/8 - 1/4W	C17	17
<b>KEEP ON TRUCKING CO INC</b>	<b>370 8TH AVE</b>	<b>1/8 - 1/4W</b>	<b>C18</b>	<b>18</b>
COCHRAN & CELLI, INC.	1049 9TH AVE	1/8 - 1/4NNE	D20	20
BELL MARINE, INC.	1363 EMBARCADERO	1/8 - 1/4WNW	21	20
950 HARRISON STREET LOFTS, LLC	950.00 HARRISON ST	1/8 - 1/4NE	F29	24

**BEP:** Bond Expenditure Plan comes from the Department of Health Services.

A review of the Ca. BEP list, as provided by EDR, has revealed that there is 1 Ca. BEP site 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>
<b>PORT OF OAKLAND - EMBARCADERO</b>	<b>DENNISON / EMBARCADERO</b>	<b>1/2 - 1 SE</b>	<b>T117</b>	<b>89</b>

## EXECUTIVE SUMMARY

**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 list, as provided by EDR, has revealed that there are 2 Ca. FID 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>
<b>KEEP ON TRUCKING CO INC</b>	<b>370 8TH AVE</b>	<b>1/8 - 1/4 W</b>	<b>C18</b>	<b>18</b>
<b>COCHRAN &amp; CELLI, INC.</b>	<b>1049 009TH AVE</b>	<b>1/8 - 1/4 NNE</b>	<b>D19</b>	<b>20</b>

### STATE OR LOCAL ASTM SUPPLEMENTAL

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

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

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
PORT OF OAKLAND NINTH AVENUE T	EIGHTH-NINTH AVENUE	0 - 1/8 W	13	14
PORT OF OAKLAND KEEP ON TRUCKI	370 8TH AVE	1/8 - 1/4 W	C16	16
<b>SEABREEZE YACHT CENTER</b>	<b>280 6TH AVE</b>	<b>1/4 - 1/2 WNW</b>	<b>34</b>	<b>29</b>
OAKLAND CITY OF	E 12TH ST / 14TH AVE	1/4 - 1/2 E	P68	47
<b>COMMERCIAL TIRE</b>	<b>1201 14TH AVE</b>	<b>1/4 - 1/2 E</b>	<b>P70</b>	<b>49</b>

**HAZNET:** 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 from non-California manifests & continuation sheets are not included at the present time. 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, & disposal method. The source is the Department of Toxic Substance Control is the agency

A review of the HAZNET list, as provided by EDR, has revealed that there are 9 HAZNET 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>
1X M & N WHEREHOUSE	845 EMBARCADERO	0 - 1/8 NW	B9	12
SCHNITZER STEEL	1101 EMBARCADERO W	0 - 1/8 E	12	14
<b>KEEP ON TRUCKING CO INC</b>	<b>370 8TH AVE</b>	<b>1/8 - 1/4 W</b>	<b>C18</b>	<b>18</b>
PHOTON PRESS	1036 E 8TH ST	1/8 - 1/4 ENE	E22	21
<b>EAST BAY ENAMELING INC</b>	<b>1024 9TH AVE</b>	<b>1/8 - 1/4 NNE</b>	<b>F24</b>	<b>21</b>
HARBOR FORKLIFT	101 10TH AVE	1/8 - 1/4 SW	G25	22
WALKER HYDRAULICS	1049 9TH AVE	1/8 - 1/4 NE	F27	23
<b>SALLE'S PAINT &amp; BODY</b>	<b>1049 9TH AVENUE</b>	<b>1/8 - 1/4 NE</b>	<b>F28</b>	<b>23</b>
FLORES BODY SHOP	945 E 11TH ST	1/8 - 1/4 NE	30	26

### PROPRIETARY DATABASES

#### **Former Manufactured Gas (Coal Gas) Sites:**

The existence and location of Coal Gas sites is provided exclusively to EDR by Real Property Scan, Inc. Copyright 1993 Real Property Scan, Inc. For a technical description of the types of hazards which may be found at such sites, contact your EDR customer service representative

A review of the Coal Gas list, as provided by EDR, has revealed that there is 1 Coal Gas site within approximately 1 mile of the target property.

## EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
OAKLAND GAS LIGHT AND COKE	1719 CLEMENT AVE.	1/2 - 1 S	102	77

## EXECUTIVE SUMMARY

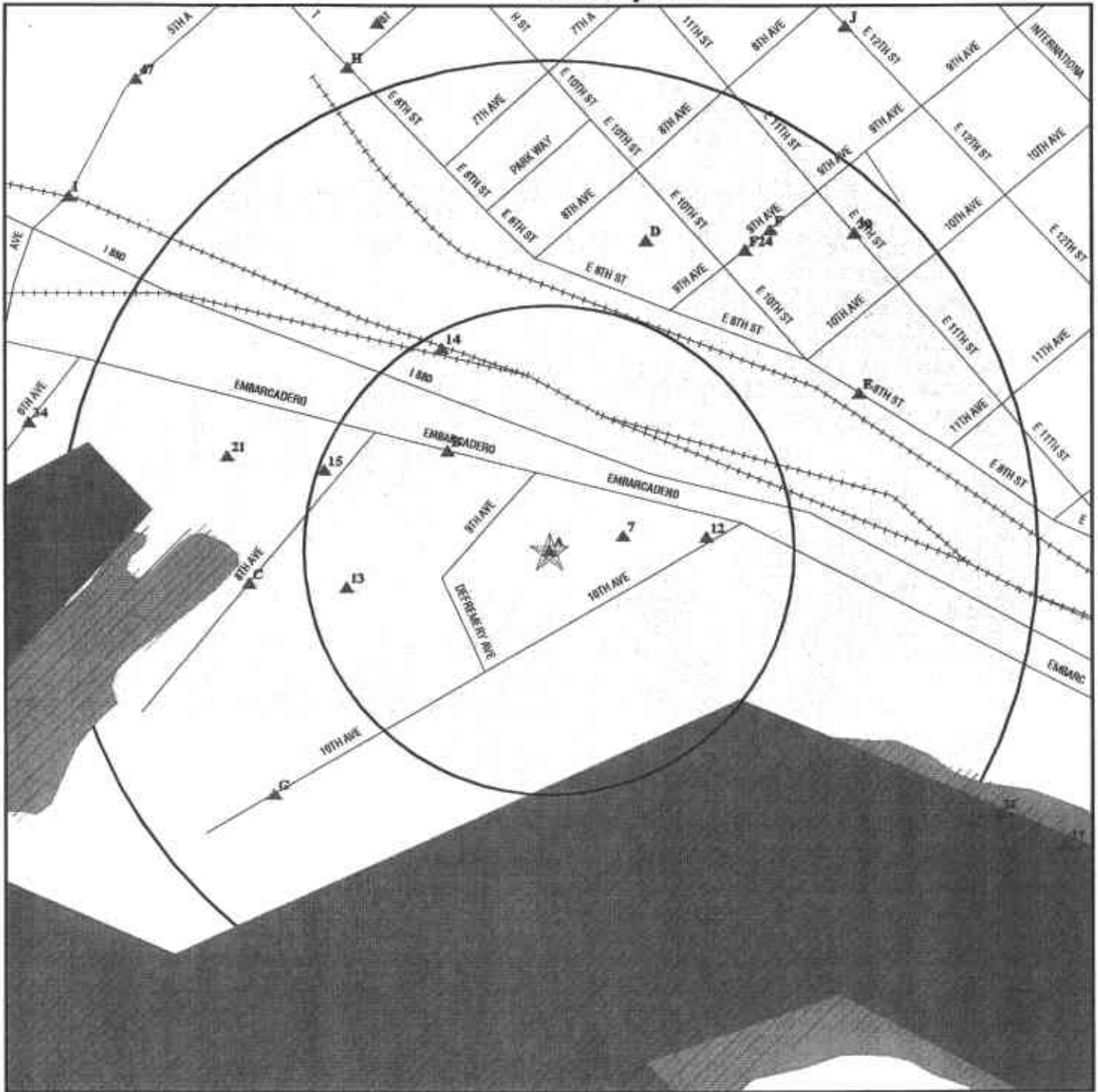
Due to poor or inadequate address information, the following sites were not mapped:

<u>Site Name</u>	<u>Database(s)</u>
MANDELA PARKWAY CORRIDOR	Cal-Sites
BRAMALEA PACIFIC	Cortese,LUST
HELEN STREET WTS (CHP SITE)	SWFLF
SOUTHERN PACIFIC TRANS. CO.	LUST
CYPRESS PROJECT - CALTRANS	LUST
SOUTHERN PACIFIC TRANS. CO.	LUST
OAKLAND POLICE STATION	LUST
SCHNITZER STEEL PRODUCTS COMPA	LUST
SCHNITZER STEEL PRODUCTS COMPANY	LUST
SCHNITZER STEEL PRODUCTS CO.	LUST,AST
PORT OF OAKLAND	LUST
OAKLAND PORT OF	LUST
GAS STATION	LUST
AC TRANSIT	LUST
STANDARD BRANDS PAINT	LUST
MS EDDIE M JONES PROPERTY	LUST
U HAUL	LUST
OAKLAND CITY OF PARKING STRUCT	LUST
BART MAINTENANCE FACILITY	LUST
GREYHOUND LINE INC	LUST
SOUTHERN PACIFIC TRANS COMPANY	LUST
VACANT LOT	LUST
OAKLAND POLICE STATION	LUST
CALTRANS CYPRESS PROJECT	LUST
EBMUD	LUST
SOUTHERN PACIFIC TRANS COMPANY	LUST
BUILDING P-323	UST
MAJESTY YACHTS	Ca. FID,HAZNET
BRIDGE WEST OAKLAND HOUSING	HAZNET
OAKLAND BART SHOP ANNEX	HAZNET
HARRISON'S MARINE	HAZNET
1X PORT OF OAKLAND	HAZNET
MARINE TERMINALS 9TH AVE. TER.	HAZNET
USDOT METEOR *E	HAZNET
PACIFIC GAS AND ELECTRIC CORP	HAZNET
SHERMAN OAKS LIMITED, INC	HAZNET
USDOT MARAD CAPE FEAR	HAZNET
CALTRANS RECONSTRUCTION PROJECT	CA SLIC
PORT OF OAKLAND CROWLEY DRY DOCK YARD1 2	CA SLIC





DETAIL MAP - 0531666.3r - Kennedy/Jenks Consultants



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Coal Gasification Sites (if requested)
- ⚡ Sensitive Receptors
- ☒ National Priority List Sites
- ☒ Landfill Sites

- Power transmission lines
- Oil & Gas pipelines
- ▨ 100-year flood zone
- ▨ 500-year flood zone
- ▨ Wetlands per National Wetlands Inventory (1994)
- ▨ Areas of Concern



TARGET PROPERTY:	Praxair, Inc./Alliance Gas Products	CUSTOMER:	Kennedy/Jenks Consultants
ADDRESS:	901 Embarcadero	CONTACT:	Tom Venus
CITY/STATE/ZIP:	Oakland CA 94606	INQUIRY #:	0531666.3r
LAT/LONG:	37.7892 / 122.2545	DATE:	August 22, 2000 8:08 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
<b><u>FEDERAL ASTM STANDARD</u></b>								
NPL		1.000	0	0	0	0	NR	0
Delisted NPL		1.000	0	0	0	0	NR	0
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP	X	0.250	1	0	NR	NR	NR	1
CORRACTS		1.000	0	0	0	0	NR	0
RCRIS-TSD		0.500	0	0	0	NR	NR	0
RCRIS Lg. Quan. Gen.		0.250	1	0	NR	NR	NR	1
RCRIS Sm. Quan. Gen.	X	0.250	0	4	NR	NR	NR	4
ERNS		TP	NR	NR	NR	NR	NR	0
<b><u>STATE ASTM STANDARD</u></b>								
AWP		1.000	0	0	0	0	NR	0
Cal-Sites	X	1.000	0	0	1	8	NR	9
CHMIRS		1.000	1	0	2	14	NR	17
Cortese		1.000	1	1	4	17	NR	23
Notify 65	X	1.000	0	0	4	7	NR	11
Toxic Pits		1.000	0	0	0	0	NR	0
State Landfill		0.500	0	0	0	NR	NR	0
WMUDS/SWAT		0.500	0	0	0	NR	NR	0
LUST	X	0.500	1	3	29	NR	NR	33
UST	X	0.250	2	5	NR	NR	NR	7
CA Bond Exp. Plan		1.000	0	0	0	1	NR	1
CA FID	X	0.250	0	2	NR	NR	NR	2
<b><u>FEDERAL ASTM SUPPLEMENTAL</u></b>								
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
FINDS	X	TP	NR	NR	NR	NR	NR	0
HMIRS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
NPL Liens		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA	X	TP	NR	NR	NR	NR	NR	0
<b><u>STATE OR LOCAL ASTM SUPPLEMENTAL</u></b>								
AST		TP	NR	NR	NR	NR	NR	0
CA WDS		TP	NR	NR	NR	NR	NR	0
CA SLIC		0.500	1	1	3	NR	NR	5
HAZNET	X	0.250	2	7	NR	NR	NR	9
<b><u>EDR PROPRIETARY DATABASES</u></b>								
Coal Gas		1.000	0	0	0	1	NR	1

## MAP FINDINGS SUMMARY

<u>Database</u>	<u>Target Property</u>	<u>Search Distance (Miles)</u>	<u>&lt; 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>&gt; 1</u>	<u>Total Plotted</u>
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AQUIFLOW - see EDR Physical Setting Source Addendum

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 Site

**MAP FINDINGS**

Database(s) EDR ID Number  
 EPA ID Number

**A3**      **LIQUID CARBONIC CORP**  
**Target**    **901 EMBARCADERO**  
**Property**   **OAKLAND, CA 94606**

**CERC-NFRAP 1000725887**  
**LUST**            **CAD009156662**

CERCLIS-NFRAP Classification Data:  
 Site Incident Category: Not reported      Federal Facility: Not a Federal Facility  
 Ownership Status: Private                  NPL Status: Not on the NPL

CERCLIS-NFRAP Assessment History:  
 Assessment: DISCOVERY                      Completed: 19871201  
 Assessment: PRELIMINARY ASSESSMENT      Completed: 19891101

State LUST:  
 Cross Street: Not reported                      Qty Leaked: Not reported  
 Reg Board: San Francisco Bay Region  
 Chemical: Gasoline  
 Lead Agency: Local Agency  
 Case Type: Other ground water affected  
 Status: Signed off, remedial action completed or deemed unnecessary  
 County: Alameda  
 Abate Method: Excavate and Dispose - remove contaminated soil and dispose in approved site, Excavate and Treat - remove contaminated soil and treat (includes spreading or land farming)  
 Review Date: 01/27/1997                      Confirm Leak: Not reported  
 Workplan: 4/27/90                              Prelim Assess: Not reported  
 Pollution Char: Not reported                  Remed Plan: Not reported  
 Remed Action: Not reported                  Monitoring: Not reported  
 Close Date: 1/25/97                             Release Date: 02/06/1990

LUST Region 2:  
 Region: 2  
 Facility Id: 01-0916  
 Entered Date: 05/25/90  
 Facility Status: Signed off, remedial action completed or deemed unnecessary  
 Maximum Soil Concentration: 130000  
 Maximum Groundwater Impact: 66000  
 Current Benzene: Not reported  
 Current MTBE : Not reported  
 Maximum MTBE Groundwater: Not reported  
 MTBE Qual: Not reported

**A5**      **LIQUID CARBONIC CORP.**  
**Target**    **901 EMBARCADERO**  
**Property**   **OAKLAND, CA 94606**

**Ca. FID**            **1000425122**  
**Notify 65**        **N/A**  
**UST**

NOTIFY 65:  
 Date Reported: Not reported      Staff Initials: Not reported  
 Board File Number: Not reported  
 Facility Type: Not reported  
 Discharge Date: Not reported  
 Incident Description: 92626

State UST:  
 Facility ID: 156                                      Container Num: 1  
 Tank Num: 1                                        Year Installed: Not reported  
 Tank Capacity: 8000  
 Tank Used for: PRODUCT                      Tank Constrctn: Not reported  
 Type of Fuel: DIESEL  
 Leak Detection: Visual, Stock Inventor  
 Contact Name: Not reported                  Telephone: (415) 451-4100  
 Total Tanks: 2                                      Region: STATE  
 Facility Type: 2                                     Other Type: TRANSFILL

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
 EPA ID Number

**LIQUID CARBONIC CORP. (Continued)**

**1000425122**

Facility ID:	156	Container Num:	2
Tank Num:	2	Year Installed:	Not reported
Tank Capacity:	2000	Tank Constrctn:	Not reported
Tank Used for:	PRODUCT	Telephone:	(415) 451-4100
Type of Fuel:	DIESEL	Region:	STATE
Leak Detection:	Visual, Stock Inventor	Other Type:	TRANSFILL
Contact Name:	Not reported		
Total Tanks:	2		
Facility Type:	2		

**A4** **LIQUID CARBONIC I/M CORP.**  
**Target** **901 EMBARCADERO**  
**Property** **OAKLAND, CA 94608**

**UST**

**U001599290**  
**N/A**

State UST:

Facility ID:	66379	Container Num:	1
Tank Num:	1	Year Installed:	Not reported
Tank Capacity:	2000	Tank Constrctn:	X inches
Tank Used for:	WASTE	Telephone:	(415) 451-4100
Type of Fuel:	Not Reported	Region:	STATE
Leak Detection:	Stock Inventor	Other Type:	Not reported
Contact Name:	R. J. CHEFF - PLANT MANAGER		
Total Tanks:	2		
Facility Type:	Not reported		

Facility ID:	66379	Container Num:	2
Tank Num:	2	Year Installed:	Not reported
Tank Capacity:	8000	Tank Constrctn:	Not reported
Tank Used for:	PRODUCT	Telephone:	(415) 451-4100
Type of Fuel:	DIESEL	Region:	STATE
Leak Detection:	Stock Inventor	Other Type:	Not reported
Contact Name:	R. J. CHEFF - PLANT MANAGER		
Total Tanks:	2		
Facility Type:	Not reported		

**A1** **LIQUID CARBONIC CORPORATION**  
**Target** **901 EMBARCADERO**  
**Property** **OAKLAND, CA 94608**

**RCRIS-SQG** **1000425119**  
**FINDS** **CAD982483059**  
**TSCA**  
**UST**  
**Cal-Sites**

RCRIS:

Owner: LIQUID CARBONIC INDUSTRIES  
 (415) 555-1212

Contact: ENVIRONMENTAL MANAGER  
 (312) 855-2615

Record Date: 09/01/1996

Classification: Small Quantity Generator

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
 EPA ID Number

**LIQUID CARBONIC CORPORATION (Continued)**

1000425119

Used Oil Recyc: No  
 Violation Status: No violations found

**CAL-SITES:**

Facility ID 01280015  
 Status: REFOA - DOES NOT REQUIRE DTSC ACTION OR OVERSITE ACTIVITY. REFERED TO OTHER AGENCY LEAD  
 Status Date: 03/14/1995  
 Lead: Not reported  
 Region: 2 - BERKELEY  
 Branch: NC - NORTH COAST  
 File Name: Not reported  
 Status Name: PROPERTY/SITE REFERRED TO ANOTHER AGENCY  
 Lead Agency: N/A  
 NPL: Not reported  
 SIC: 28 MANU - CHEMICALS & ALLIED PRODUCTS  
 Facility Type: Not reported  
 Type Name: N/A  
 Staff Member Responsible for Site: Not reported  
 Supervisor Responsible for Site: Not reported  
 Region Water Control Board: SF - SAN FRANCISCO BAY  
 Access: Controlled  
 Cortese: C  
 Hazardous Ranking Score: Not reported  
 Date Site Hazard Ranked: Not reported  
 Groundwater Contamination: Not reported  
 No. of Contamination Sources: 0.00000  
 Lat/Long: 0.00000° 0.00000° 0.00000° / 0.00000° 0.00000° 0.00000°  
 Lat/long Method: Not reported  
 State Assembly District Code: Not reported  
 State Senate District: Not reported

Activity:  
 Activity: PA  
 Activity Name: Not reported  
 AWP Code: Not reported  
 Proposed Budget: 0.00000  
 AWP Completion Date: Not reported  
 Revised Due Date: Not reported  
 Comments Date: 10/04/1988  
 Est Person-Years to complete: 0.00000  
 Estimated Size: Not reported  
 Request to Delete Activity: Not reported  
 Activity Status: REFOA  
 Definition of Status: PROPERTY/SITE REFERRED TO ANOTHER AGENCY  
 Solids Removed (Cubic Yards): 0.00000  
 Solids Treated (Cubic Yards): 0.00000  
 Liquids Removed (Gals): 0.00000  
 Liquids Treated (Gals): 0.00000  
 Action Included Capping: Not reported  
 Well Decommissioned: Not reported  
 Action Included Fencing: Not reported  
 Removal Action Certification: Not reported  
 Acres Available Upon Completion Of Activity  
 For Commercial Reuse: 0.00000  
 For Industrial Reuse: 0.00000  
 For Residential Reuse: 0.00000

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

LIQUID CARBONIC CORPORATION (Continued)

1000425119

Unknown Type: 0.00000  
Activity Comments: Not reported  
Activity: SS  
Activity Name: Not reported  
AWP Code: Not reported  
Proposed Budget: 0.00000  
AWP Completion Date: Not reported  
Revised Due Date: Not reported  
Comments Date: 04/21/1987  
Est Person-Years to complete: 0.00000  
Estimated Size: Not reported  
Request to Delete Activity: Not reported  
Activity Status: REFOA  
Definition of Status: PROPERTY/SITE REFERRED TO ANOTHER AGENCY  
Solids Removed (Cubic Yards): 0.00000  
Solids Treated (Cubic Yards): 0.00000  
Liquids Removed (Gals): 0.00000  
Liquids Treated (Gals): 0.00000  
Action Included Capping: Not reported  
Well Decommissioned: Not reported  
Action Included Fencing: Not reported  
Removal Action Certification: Not reported  
Acres Available Upon Completion Of Activity  
For Commercial Reuse: 0.00000  
For Industrial Reuse: 0.00000  
For Residential Reuse: 0.00000  
Unknown Type: 0.00000  
Activity Comments: Not reported  
Activity: DISC  
Activity Name: DISCOVERY  
AWP Code: Not reported  
Proposed Budget: 0.00000  
AWP Completion Date: Not reported  
Revised Due Date: Not reported  
Comments Date: 03/15/1980  
Est Person-Years to complete: 0.00000  
Estimated Size: Not reported  
Request to Delete Activity: Not reported  
Activity Status: REFOA  
Definition of Status: PROPERTY/SITE REFERRED TO ANOTHER AGENCY  
Solids Removed (Cubic Yards): 0.00000  
Solids Treated (Cubic Yards): 0.00000  
Liquids Removed (Gals): 0.00000  
Liquids Treated (Gals): 0.00000  
Action Included Capping: Not reported  
Well Decommissioned: Not reported  
Action Included Fencing: Not reported  
Removal Action Certification: Not reported  
Acres Available Upon Completion Of Activity  
For Commercial Reuse: 0.00000  
For Industrial Reuse: 0.00000  
For Residential Reuse: 0.00000  
Unknown Type: 0.00000  
Activity Comments: Not reported  
All Site Names Associated with Site: LIQUID CARBONIC CORPORATION

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
 EPA ID Number

**LIQUID CARBONIC CORPORATION (Continued)**

1000425119

All Street Addresses: 901 EMBARCADERO  
 OAKLAND, CA 94606

Background: Not reported  
 Id Name: EPA IDENTIFICATION NUMBER  
 Id Value: CAD982044661  
 Id Name: EPA IDENTIFICATION NUMBER  
 Id Value: CAD982358905

Special Programs:  
 Program Name: CERCLA II  
 Program Code: CERC2

Comments:

Date: 02/18/1980  
 Comment: INDUSTRIAL WASTE QUEST. SENT 2/21/80

Date: 03/15/1980  
 Comment: FACILITY IDENTIFIED QUESTIONNAIRE SENT

Date: 03/25/1980  
 Comment: QUEST. RECEIVED

Date: 06/24/1980  
 Comment: INSPECTION(STATE) SITE INSPECTION  
 FINAL STRATEGY SITE REFERRED: TO HWMB/ENF

Date: 01/01/1982  
 Comment: INSPECTION(OTHER) ALAMEDA CO HAZ WST PPROJECT - NO VIOL

Date: 04/21/1987  
 Comment: SITE SCREENING DONE DUMPING OF OIL RESIDUE TO SOIL, SOIL IS  
 DISCOLORED. LINED ACETYLENE POND FREQLY  
 OVERFLOWED.

Date: 07/20/1987  
 Comment: INSPECTION(OTHER) BAY AREA AIR QUALITY MNGMT DIST - NO VIO

Date: 07/28/1988  
 Comment: FACILITY DRIVE-BY POND AND STAINED SOIL NOT VISIBLE

Date: 10/04/1988  
 Comment: PRELIM ASSESS DONE SI LOW: UNKNOWN CONTAMINANTS WERE DOCU-  
 MENTED AND WASTEWATER PONDS WERE ALSO  
 OBSERVED  
 FAC OWNED BY HOUSTON NATURAL GAS OF TX

Date: 01/19/1989  
 Comment: SUBMIT TO EPA NFA: BASED ON READILY AVAILABLE INFO;  
 FAC WILL NOT SCORE AS AN NPL CANDIDATE

State UST:

Facility ID:	54791	Container Num:	0-04
Tank Num:	1	Year Installed:	Not reported
Tank Capacity:	1500	Tank Constrctn:	0.125 inches
Tank Used for:	PRODUCT	Telephone:	(415) 451-4100
Type of Fuel:	Not Reported	Region:	STATE
Leak Detection:	Pressure Test	Other Type:	LIQUID CARBONIC CORP
Contact Name:	R.J. CHEFF-PLANT MANAGER		
Total Tanks:	2		
Facility Type:	2		



Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
 EPA ID Number

**LIQUID CARBONIC CORPORATION (Continued)**

**1000425119**

Facility ID:	54791	Container Num:	0-03
Tank Num:	2	Year Installed:	Not reported
Tank Capacity:	10800	Tank Constrctn:	Not reported
Tank Used for:	PRODUCT	Telephone:	(415) 451-4100
Type of Fuel:	Not Reported	Region:	STATE
Leak Detection:	Visual	Other Type:	LIQUID CARBONIC CORP
Contact Name:	R.J. CHEFF-PLANT MANAGER		
Total Tanks:	2		
Facility Type:	2		

**A2**  
 Target  
 Property

**ALLIANCE GAS PRODUCTS**  
**901 EMBARCADERO ST EAST**  
**OAKLAND, CA 94606**

**RCRIS-SQG** **1000425121**  
**HAZNET** **CAD982044661**

RCRIS:  
 Owner: INTERNATIONAL GASES AND CRYOGENICS  
 (510) 834-9353  
 Contact: Not reported  
 Record Date: 04/04/2000  
 Classification: Small Quantity Generator  
 Used Oil Recyc: No  
 Violation Status: No violations found

HAZNET:  
 Gepaid: CAD982044661  
 Contact: Not reported  
 Gen County: 34  
 Tons: 0.9174  
 Category: Other inorganic solid waste  
 Disposal Method: Transfer Station  
 Mailing Address: 767 INDUSTRIAL RD  
 SAN CARLOS, CA 94070 - 3310  
 County: 1  
 Tepaid: CAD980884183  
 Telephone: (000) 000-0000  
 Tsd County: Sacramento

**A6**  
 Target  
 Property

**LIQUID CARBONIC INDUSTRIES CORP**  
**901 EMBARCADERO RD**  
**OAKLAND, CA 94606**

**TSCA** **1001205279**  
**N/A**

**7**  
**ENE**  
**< 1/8**  
**202**  
**Higher**

**BLDG. P-323**  
**1755 EMBARCADERO**  
**OAKLAND, CA 94606**

**UST** **U001599110**  
**N/A**

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation

MAP FINDINGS

**BLDG. P-323 (Continued)**

EDR ID Number  
 EPA ID Number

Database(s)

**U001599110**

State UST:

Facility ID:	58426	Container Num:	PF03
Tank Num:	1	Year Installed:	1955
Tank Capacity:	10000		
Tank Used for:	PRODUCT	Tank Constrctn:	Not reported
Type of Fuel:	Not Reported		
Leak Detection:	None	Telephone:	(415) 444-3188
Contact Name:	THOMAS DANIELS	Region:	STATE
Total Tanks:	2	Other Type:	Not reported
Facility Type:	2		

Facility ID:	58426	Container Num:	PF04
Tank Num:	2	Year Installed:	1975
Tank Capacity:	1000		
Tank Used for:	PRODUCT	Tank Constrctn:	Not reported
Type of Fuel:	Not Reported		
Leak Detection:	None	Telephone:	(415) 444-3188
Contact Name:	THOMAS DANIELS	Region:	STATE
Total Tanks:	2	Other Type:	Not reported
Facility Type:	2		

**B8  
 NW  
 < 1/8  
 384  
 Higher**

**CANNEY BLDG H 211  
 845 EMBARCADERO  
 OAKLAND, CA 94606**

**LUST**

**S103723101  
 N/A**

State LUST:

Cross Street:	Not reported	Qty Leaked:	Not reported
Reg Board:	San Francisco Bay Region		
Chemical:	Diesel		
Lead Agency:	Local Agency		
Case Type:	Undefined		
Status:	Preliminary site assessment workplan submitted		
County:	Alameda		
Review Date:	09/30/1998	Confirm Leak:	10/30/97
Workplan:	Not reported	Prelim Assess:	Not reported
Pollution Char:	Not reported	Remed Plan:	Not reported
Remed Action:	Not reported	Monitoring:	Not reported
Close Date:	Not reported	Release Date:	08/30/1996

LUST Region 2:

Region:	2
Facility Id:	01-2423
Entered Date:	09/30/98
Facility Status:	Preliminary site assessment workplan submitted
Maximum Soil Concentration:	Not reported
Maximum Groundwater Impact:	Not reported
Current Benzene:	Not reported
Current MTBE :	Not reported
Maximum MTBE Groundwater:	Not reported
MTBE Quali:	Not reported

**B9  
 NW  
 < 1/8  
 384  
 Higher**

**1X M & N WHEREHOUSE  
 845 EMBARCADERO  
 OAKLAND, CA 00000**

**HAZNET**

**S100851598  
 N/A**

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

**MAP FINDINGS**

Database(s)  
 EDR ID Number  
 EPA ID Number

**1X M & N WHEREHOUSE (Continued)**

**S100851598**

HAZNET:  
 Gepaid: CAC000859792      Tepad: CAT080014079  
 Contact: SARAH SHARP      Telephone: (000) 000-0000  
 Gen County: 7      Tsd County: 7  
 Tons: 0.1700  
 Category: Off-specification, aged, or surplus inorganics  
 Disposal Method: Transfer Station  
 Mailing Address: PO BOX 2930  
                          KANSAS CITY, KS 66110  
 County: 1

B10  
 NW  
 < 1/8  
 384  
 Higher

**MIDLAND ROSS CORP METAL FRAMIN**  
**845 EMBARCADERO**  
**OAKLAND, CA 94606**

**FINDS      1000277303**  
**RCRIS-LQG    CAD000098806**  
**CERC-NFRAP**

CERCLIS-NFRAP Classification Data:  
 Site Incident Category: Not reported      Federal Facility: Not a Federal Facility  
 Ownership Status: Private      NPL Status: Not on the NPL  
 CERCLIS-NFRAP Assessment History:  
 Assessment: DISCOVERY      Completed: 19910101  
 Assessment: PRELIMINARY ASSESSMENT      Completed: 19920207  
 CERCLIS-NFRAP Alias Name(s):  
 MIDLAND ROSS CORP, METAL FRAMING DIV.  
 RCRIS:  
 Owner: MIDLAND ROSS CORP. METAL FRAMING DIV.  
           (415) 839-9690  
 Contact: ENVIRONMENTAL MANAGER  
           (415) 839-9690  
 Record Date: 08/19/1980  
 Classification: Large Quantity Generator  
 Used Oil Recyc: No  
 Violation Status: No violations found

B11  
 NW  
 < 1/8  
 384  
 Higher

**SUPERSTRUT DIVISION**  
**845 EMBARCADERO**  
**OAKLAND, CA 94606**

**UST      U001599139**  
**N/A**

State UST:  
 Facility ID: 14488      Container Num: NO. 1  
 Tank Num: 1      Year Installed: 1972  
 Tank Capacity: 19886  
 Tank Used for: PRODUCT  
 Type of Fuel: Not Reported      Tank Constrcn: 8 inches  
 Leak Detection: None  
 Contact Name: RICHARD C. SCHNEIDER      Telephone: (415) 839-9690  
 Total Tanks: 2      Region: STATE  
 Facility Type: 2      Other Type: FRAMING MANUFACTURER

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**SUPERSTRUT DIVISION (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

U001599139

Facility ID: 14488  
Tank Num: 2  
Tank Capacity: 11522  
Tank Used for: PRODUCT  
Type of Fuel: Not Reported  
Leak Detection: None  
Contact Name: RICHARD C. SCHNEIDER  
Total Tanks: 2  
Facility Type: 2  
Container Num: NO. 2  
Year Installed: 1972  
Tank Constrctn: 8 inches  
Telephone: (415) 839-9690  
Region: STATE  
Other Type: FRAMING MANUFACTURER

12  
East  
< 1/8  
425  
Higher

**SCHNITZER STEEL  
1101 EMBARCADERO W  
OAKLAND, CA 94607**

HAZNET

S102436575  
N/A

HAZNET:

Gepaid: CAD981634496  
Contact: SCHNITZER STEEL  
Gen County: 41  
Tons: 0.0750  
Category: Other organic solids  
Disposal Method: Disposal, Other  
Mailing Address: PO BOX 747  
OAKLAND, CA 94604 - 0747  
County: 1  
Tepaid: CAD009452657  
Telephone: (503) 224-9900  
Tsd County: San Mateo

13  
West  
< 1/8  
555  
Higher

**PORT OF OAKLAND NINTH AVENUE TERMINAL  
EIGHTH-NINTH AVENUE  
OAKLAND, CA**

CA SLIC

S103393960  
N/A

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
 EPA ID Number

**PORT OF OAKLAND NINTH AVENUE TERMINAL (Continued)**

**S103393960**

SLIC Region 2:  
 Facility ID: 01S0494  
 Region: 2  
 Facility Status: A  
 Staff: DCL  
 Last Site Update: 06/12/97  
 NPL Status: Not reported  
 Case Type: Not reported  
 Contamination: Not reported  
 Lead: ALAMEDA COUNTY HEALTH  
 Contamination Level: Not reported  
 Number of Municipal Wells Contaminated by Site: 0  
 Number of Private Wells Contaminated by Site: 0  
 Soil Removal Action Taken/Needed: Not reported  
 Soil Removal or Contaminant Action Started: Not reported  
 Soil Removal or Contaminant Action Completed: Not reported  
 On-Site Groundwater Extraction or Containment is Needed: Not reported  
 On-Site Groundwater Extraction or Containment Started: Not reported  
 Off-Site Groundwater Extraction or Containment is Needed: Not reported  
 Off-Site Groundwater Extraction or Containment Started: Not reported  
 Length of Contamination Plume (Feet): 0  
 Depth of Contamination Plume (Feet): 0  
 Wells Closed Due To Contamination of Site: Not reported  
 Date of Wells Closure: Not reported  
 Nearest Public or Private Drinking Water Well (Feet): 0  
 Under Jurisdiction of Lead Agency Date: Not reported  
 Latitude/Longitude: 0 / 0  
 Flow Rate: 0  
 Flow Date: Not reported  
 Percent of Contaminants Contained: 0  
 Contaminant Type: Not reported  
 EPA ID: Not reported  
 Stages of Site Investigation Process Initiated:  
   Begun Characterization : Not reported  
   Completed Characterization : Not reported  
   Begun Remediation: Not reported  
   Completed Remediation: Not reported  
   Submitted Remediation Plan: Not reported  
   Approved Remediation Plan: Not reported  
   Begun Final Remedial Action: Not reported  
   Completed Final Remedial Action: Not reported  
 Facility Desc: PORT  
 Comment: Not reported

14  
 NNW  
 < 1/8  
 617  
 Higher

**BART MAINT FACILITY  
 (NO STREET NBR) 5TH ST / 8TH AVE  
 OAKLAND, CA**

Cortese S101306693  
 N/A

CORTESE:  
 Reg By: LTNKA  
 Reg Id: 01-0150  
 Region: CORTESE

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

15  
 WNW  
 < 1/8  
 643  
 Higher

845 EMBARCADERO ST  
 OAKLAND, CA 94607

CHMIRS

S100275392  
 N/A

CHMIRS:

OES Control Number:	8910586	DOT ID:	Not reported
DOT Hazard Class:	Not Reported		
Chemical Name:	CHEMICALS		
Extent of Release:	Not reported		
CAS Number:	Not reported	Quantity Released:	Not reported
Environmental Contamination:	None Reported	Property Use:	Industrial, Utility
Incident Date:	26-JUL-89	Date Completed:	26-JUL-89

C16  
 West  
 1/8-1/4  
 812  
 Higher

PORT OF OAKLAND KEEP ON TRUCKING  
 370 8TH AVE  
 OAKLAND, CA 94607

CA SLIC

S100865611  
 N/A

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
 EPA ID Number

**PORT OF OAKLAND KEEP ON TRUCKING (Continued)**

**S100865611**

SLIC Region 2:

Facility ID:	01S0367	Discovery Date:	Not reported
Region:	2	Sample Date:	Not reported
Facility Status:	Inactive		
Staff:	DCL		
Last Site Update:	07/11/96		
NPL Status:	Undefined		
Case Type:	Not reported		
Contamination:	Not reported		
Lead:	RWQCB		
Contamination Level:		Not reported	
Number of Municipal Wells Contaminated by Site:		0	
Number of Private Wells Contaminated by Site:		0	
Soil Removal Action Taken/Needed:		Not reported	
Soil Removal or Contaminant Action Started:		Not reported	
Soil Removal or Contaminant Action Completed:		Not reported	
On-Site Groundwater Extraction or Containment is Needed:		Not reported	
On-Site Groundwater Extraction or Containment Started:		Not reported	
Off-Site Groundwater Extraction or Containment is Needed:		Not reported	
Off-Site Groundwater Extraction or Containment Started:		Not reported	
Length of Contamination Plume (Feet):		0	
Depth of Contamination Plume (Feet):		0	
Wells Closed Due To Contamination of Site:		Not reported	
Date of Wells Closure:		Not reported	
Nearest Public or Private Drinking Water Well (Feet):		0	
Under Jurisdiction of Lead Agency Date:		Not reported	
Latitude/Longitude:		38 / -122	
Flow Rate:		0	
Flow Date:		Not reported	
Percent of Contaminants Contained:		0	
Contaminant Type:		Not reported	
EPA ID:		Not reported	
Stages of Site Investigation Process Initiated:			
Begun Characterization :		Not reported	
Completed Characterization :		Not reported	
Begun Remediation:		Not reported	
Completed Remediation:		Not reported	
Submitted Remediation Plan:		Not reported	
Approved Remediation Plan:		Not reported	
Begun Final Remedial Action:		Not reported	
Completed Final Remedial Action:		Not reported	
Facility Desc:	Not reported		
Comment:	G		

C17  
 West  
 1/8-1/4  
 812  
 Higher

**ARCO #230**  
**2190 CARROLL AVENUE**  
**OAKLAND, CA 94607**

UST

**U003713141**  
 N/A

UST Alameda County:

Facility Id: 3335  
 Operator Name: Port of Oakland  
 Num of Tanks: 1  
 Contact Name: Dave Adams, Manager  
 Permit Date: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

C18  
West  
1/8-1/4  
812  
Higher

KEEP ON TRUCKING CO INC  
370 8TH AVE  
OAKLAND, CA 94606

RCRIS-SQG 1000818545  
FINDS CAD983644261  
UST  
Ca. FID  
HAZNET  
Cortese  
LUST  
AST

RCRIS:  
Owner: PAUL BOJANOWER  
(510) 893-6011  
Contact: RICHARD PADOVANI  
(510) 893-6011  
Record Date: 07/22/1992  
Classification: Small Quantity Generator  
Used Oil Recyc: No  
Violation Status: No violations found

State LUST:  
Cross Street: Not reported  
Reg Board: San Francisco Bay Region Qty Leaked: Not reported  
Chemical: Diesel  
Lead Agency: Local Agency  
Case Type: Other ground water affected  
Status: Preliminary site assessment workplan submitted  
County: Alameda  
Abate Method: No Action Taken - no action has as yet been taken at the site  
Review Date: 02/04/1998 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: Not reported Release Date: 12/29/1994

LUST Region 2:  
Region: 2  
Facility Id: 01-1965  
Entered Date: 04/29/93  
Facility Status: Preliminary site assessment workplan submitted  
Maximum Soil Concentration: Not reported  
Maximum Groundwater Impact: 410000  
Current Benzene: 140  
Current MTBE : Not reported  
Maximum MTBE Groundwater: Not reported  
MTBE Quali: Not reported

LUST Alameda County:  
Region: ALAMEDA  
Facility Type: O  
Status: Active  
Case Closed: Not reported  
Contact: Mr. Dale Klettke  
Contact Company: Port of Oakland  
Case Closed Date: Not reported  
Clean Up Fund Date: Not reported



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

KEEP ON TRUCKING CO INC (Continued)

1000818545

HAZNET:

Gepaid: CAL000094143 Tepaid: AZD049318009  
Contact: BOSENHOUR PAUL Telephone: (000) 000-0000  
Gen County: 99 Tsd County: 99  
Tons: 1.0000  
Category: Other organic solids  
Disposal Method: Transfer Station  
Mailing Address: 370 8TH AVE  
OAKLAND, CA 94606  
County 1

Gepaid: CAD983644261 Tepaid: CAD980887418  
Contact: PAUL BOJANOWER Telephone: (510) 893-6011  
Gen County: 1 Tsd County: 1  
Tons: 0.0000  
Category:  
Disposal Method: Transfer Station  
Mailing Address: 370 8TH AVE  
OAKLAND, CA 94606 - 5104  
County 1

CORTESE:

Reg By: LTNKA  
Reg Id: 01-1965  
Region: CORTESE

FID:

Facility ID: 01002767 Regulate ID: 00058424  
Reg By: Active Underground Storage Tank Location  
Cortese Code: Not reported SIC Code: Not reported  
Status: Active Facility Tel: (415) 893-6011  
Mail To: Not reported  
370 008TH AVE  
OAKLAND, CA 94606  
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

State UST:

Facility ID: 58424  
Tank Num: 1 Container Num: HF02  
Tank Capacity: 550 Year Installed: Not reported  
Tank Used for: PRODUCT  
Type of Fuel: DIESEL Tank Constrctn: Not reported  
Leak Detection: None  
Contact Name: MIKE MILES Telephone: (415) 893-6011  
Total Tanks: 2 Region: STATE  
Facility Type: 2 Other Type: TRUCKING

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation

MAP FINDINGS

**KEEP ON TRUCKING CO INC (Continued)**

**1000818545**

Facility ID:	58424	Container Num:	HF/3
Tank Num:	2	Year Installed:	Not reported
Tank Capacity:	0		
Tank Used for:	PRODUCT	Tank Constrctn:	Not reported
Type of Fuel:	DIESEL		
Leak Detection:	None		
Contact Name:	MIKE MILES	Telephone:	(415) 893-6011
Total Tanks:	2	Region:	STATE
Facility Type:	2	Other Type:	TRUCKING

AST:

Region: 2  
 Owner: KEEP ON TRUCKING CO., INC.  
 370 8TH AVE.  
 OAKLAND, CA 94606

D19  
 NNE  
 1/8-1/4  
 877  
 Higher

**COCHRAN & CELLI, INC.**  
 1049 009TH AVE  
 OAKLAND, CA 94607

Ca. FID

S101624360  
 N/A

D20  
 NNE  
 1/8-1/4  
 877  
 Higher

**COCHRAN & CELLI, INC.**  
 1049 9TH AVE  
 OAKLAND, CA 94607

UST

U001599166  
 N/A

State UST:

Facility ID:	13120	Container Num:	3
Tank Num:	1	Year Installed:	Not reported
Tank Capacity:	1000		
Tank Used for:	PRODUCT	Tank Constrctn:	Not reported
Type of Fuel:	UNLEADED		
Leak Detection:	Stock Inventor	Telephone:	(415) 444-0055
Contact Name:	A. STEVE SIMI	Region:	STATE
Total Tanks:	2	Other Type:	AUTO DEALER
Facility Type:	2		

Facility ID:	13120	Container Num:	2
Tank Num:	2	Year Installed:	Not reported
Tank Capacity:	500		
Tank Used for:	WASTE	Tank Constrctn:	Not reported
Type of Fuel:	WASTE OIL		
Leak Detection:	Stock Inventor	Telephone:	(415) 444-0055
Contact Name:	A. STEVE SIMI	Region:	STATE
Total Tanks:	2	Other Type:	AUTO DEALER
Facility Type:	2		

21  
 WNW  
 1/8-1/4  
 903  
 Higher

**BELL MARINE, INC.**  
 1363 EMBARCADERO  
 OAKLAND, CA 94607

UST

U001599152  
 N/A

MAP FINDINGS

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

**BELL MARINE, INC. (Continued)**

**U001599152**

State UST:  
 Facility ID: 58425  
 Tank Num: 1  
 Tank Capacity: 2000  
 Tank Used for: PRODUCT  
 Type of Fuel: Not Reported  
 Leak Detection: None  
 Contact Name: SAM BELL  
 Total Tanks: 1  
 Facility Type: 2

Container Num: PF01  
 Year Installed: Not reported  
 Tank Constrctn: Not reported  
 Telephone: (415) 865-1810  
 Region: STATE  
 Other Type: BOAT SALES

**E22  
 ENE  
 1/8-1/4  
 936  
 Higher**

**PHOTON PRESS  
 1036 E 8TH ST  
 OAKLAND, CA 00000**

**HAZNET S103621049  
 N/A**

HAZNET:  
 Gepaid: CAL000031345  
 Contact: WALTHER K SCHINDLER  
 Gen County: 21  
 Tons: 0.3752  
 Category: Photochemicals/photoprocessing waste  
 Disposal Method: Recycler  
 Mailing Address: 1036 E 8TH ST  
 OAKLAND, CA 94606 - 3702  
 County 1

Tepaid: CAD981161367  
 Telephone: (510) 763-9922  
 Tsd County: Marin

**E23  
 ENE  
 1/8-1/4  
 936  
 Higher**

**PHOTON PRESS INC  
 1036 E 8TH ST  
 OAKLAND, CA 94606**

**RCRIS-SQG 1000985013  
 FINDS CAR000001222**

RCRIS:  
 Owner: PHOTON PRESS  
 (510) 639-7553  
 Contact: WALTHER SCHINDLER  
 (510) 639-7553  
 Record Date: 06/25/1996  
 Classification: Small Quantity Generator  
 Used Oil Recyc: No  
 Violation Status: No violations found

**F24  
 NNE  
 1/8-1/4  
 968  
 Higher**

**EAST BAY ENAMELING INC  
 1024 9TH AVE  
 OAKLAND, CA 94606**

**RCRIS-SQG 1000391087  
 FINDS CAD009179094  
 HAZNET**

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site Database(s) EDR ID Number  
EPA ID Number

**EAST BAY ENAMELING INC (Continued)**

1000391087

RCRIS:

Owner: NOT REQUIRED  
(415) 555-1212  
Contact: Not reported  
Record Date: 09/01/1996  
Classification: Small Quantity Generator  
Used Oil Recyc: No  
Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:  
AIRS Facility System (AIRS/AFS)

HAZNET:

Gepaid: CAD009179094      Tepad: CAD009452657  
Contact: EAST BAY ENAMELING INC      Telephone: (510) 836-3579  
Gen County: 41      Tsd County: San Mateo  
Tons: 1.6054  
Category: Unspecified solvent mixture Waste  
Disposal Method: Disposal, Other  
Mailing Address: 1024 9TH AVE  
OAKLAND, CA 94606 - 3704  
County 1

G25  
SW  
1/8-1/4  
990  
Higher

**HARBOR FORKLIFT**  
101 10TH AVE  
OAKLAND, CA 94606

HAZNET

S103620169  
N/A

HAZNET:

Gepaid: CAC001298256      Tepad: CAD059494310  
Contact: BRYAN WHITE      Telephone: (510) 763-5425  
Gen County: 43      Tsd County: Santa Clara  
Tons: 0.2500  
Category: Unspecified oil-containing waste  
Disposal Method: Disposal, Other  
Mailing Address: 101 10TH AVENUE  
OAKLAND, CA 94606  
County 1

G26  
SW  
1/8-1/4  
990  
Higher

**MARINE TERMINALS CORPORATION**  
101 10TH AVE  
OAKLAND, CA 94606

LUST

S103556168  
N/A

LUST Alameda County:

Region: ALAMEDA  
Facility Type: U  
Status: Active  
Case Closed: Not reported  
Contact: Ms. Michelle Heffes  
Contact Company: Port Of Oakland Environmental  
Case Closed Date: Not reported

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
 EPA ID Number

**MARINE TERMINALS CORPORATION (Continued)**

**S103556168**

Clean Up Fund Date: Not reported

**F27  
 NE  
 1/8-1/4  
 1051  
 Higher**

**WALKER HYDRAULICS  
 1049 9TH AVE  
 OAKLAND, CA 94606**

**HAZNET**

**S100948082  
 N/A**

**HAZNET:**

Gepaid:	CAC000982344	Tepaid:	CAD004771168
Contact:	WALKER HYDRAULICS	Telephone:	(510) 834-9810
Gen County:	38	Tsd County:	San Francisco
Tons:	0.5000		
Category:	Other empty containers 30 gallons or more		
Disposal Method:	Recycler		
Mailing Address:	2322 N BATES AVE CONCORD, CA 94520		
County	1		

**F28  
 NE  
 1/8-1/4  
 1051  
 Higher**

**SALLE'S PAINT & BODY  
 1049 9TH AVENUE  
 OAKLAND, CA 94606**

**RCRIS-SQG  
 FINDS  
 HAZNET  
 LUST**

**1000279563  
 CAD051906121**

**RCRIS:**

Owner: STEVE SALLE  
 (415) 555-1212

Contact: ENVIRONMENTAL MANAGER  
 (415) 836-2190

Record Date: 06/03/1986

Classification: Small Quantity Generator

Used Oil Recyc: No

Violation Status: No violations found

**State LUST:**

Cross Street:	Not reported	Qty Leaked:	Not reported
Reg Board:	San Francisco Bay Region		
Chemical:	Diesel		
Lead Agency:	Local Agency		
Case Type:	Undefined		
Status:	Leak being confirmed		
County:	Alameda		
Review Date:	09/28/1998	Confirm Leak:	11/16/93
Workplan:	Not reported	Prelim Assess:	Not reported
Pollution Char:	Not reported	Remed Plan:	Not reported
Remed Action:	Not reported	Monitoring:	Not reported
Close Date:	Not reported	Release Date:	09/06/1994

**LUST Region 2:**

Region: 2

Facility Id: 01-2402

Entered Date: 09/28/98

Facility Status: Leak being confirmed

Maximum Soil Concentration: Not reported

Maximum Groundwater Impact: Not reported

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
 EPA ID Number

**SALLE'S PAINT & BODY (Continued)**

1000279563

Current Benzene: Not reported  
 Current MTBE : Not reported  
 Maximum MTBE Groundwater: Not reported  
 MTBE Quali: Not reported

**HAZNET:**

Gepaid:	CAD051906121	Tepaid:	CAD009452657
Contact:	EVA SALLE	Telephone:	(510) 582-8794
Gen County:	41	Tsd County:	San Mateo
Tons:	1.4302		
Category:	Unspecified solvent mixture Waste		
Disposal Method:	Recycler		
Mailing Address:	1049 9TH AVE OAKLAND, CA 94606 - 3703		
County	1		

F29  
 NE  
 1/8-1/4  
 1051  
 Higher

**950 HARRISON STREET LOFTS, LLC**  
**950.00 HARRISON ST**  
**OAKLAND, CA 94606**

UST

U003642859  
 N/A

UST San Francisco County:

Facility ID:	2330	Case Number:	Not reported
Tank ID:	023309001001	Tank Capacity:	10
Owner:	Not reported	Ust Number:	Not reported
Tank Owner:	950 Harrison St Lofts LLC	Total Tanks:	Not reported
Manufacturer:	Unknown	Date Installed:	Not reported
Received Date:	Not reported	Close Date:	Not reported
Certified Date:	Not reported		
Flag:	ACTIVE		
Status:	1	Drop Tube:	No
Striker Plate:	No	Dispencer:	No
Contents A:	95.00		
Contents B:	Product		
Contents C:	Diesel		
Mailing Address:	132 East 3rd Avenue Menlo Park, CA 94402		

Other Substance: Not reported

Tank Construction Type:	Single Wall
Tank Material:	Bare Steel
Interior Lining:	Unlined
Corrosion Protection:	9
Spill Contamination Installed Date:	Not reported
Overfill Prevention Installed Date:	Not reported
Piping Type:	Not reported
Piping Aboveground:	No
Piping Underground:	No
Piping Construction:	Not reported
Piping Construction Aboveground:	No
Piping Construction Underground:	No
Piping Material:	Not reported
Piping Material Aboveground:	No
Piping Material Underground:	No
Pipe Leak Detection:	Not reported
Estimated Last Date Used:	Not reported
Estimated Quantity Remaining:	0.00
Inert Filing:	No
Jurisdiction:	0

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

950 HARRISON STREET LOFTS, LLC (Continued)

U003642859

Other Tank System: Not reported  
Other Tank Material: Not reported  
Other Tank Leak Detection: Not reported  
Other Interior Lining: Not reported  
Other Corrosion Protection: Not reported  
Other Pipe Leak Detection: Not reported  
Methanol Compatible: No

Facility ID: 2330  
Tank ID: 023309001002  
Owner: Not reported  
Tank Owner: 950 Harrison St Lofts LLC  
Manufacturer: Unknown  
Received Date: Not reported  
Certified Date: Not reported  
Flag: ACTIVE  
Status: 1  
Striker Plate: No  
Contents A: 95.00  
Contents B: Product  
Contents C: Diesel  
Mailing Address: 132 East 3rd Avenue  
Menlo Park, CA 94402

Case Number: Not reported  
Tank Capacity: 10  
Ust Number: Not reported  
Total Tanks: Not reported  
Date Installed: Not reported  
Close Date: Not reported

Drop Tube: No  
Dispencer: No

Other Substance: Not reported  
Tank Construction Type: Single Wall  
Tank Material: Bare Steel  
Interior Lining: Unlined  
Corrosion Protection: 9  
Spill Contamination Installed Date: Not reported  
Overfill Prevention Installed Date: Not reported  
Piping Type: Not reported  
Piping Aboveground: No  
Piping Underground: No  
Piping Construction: Not reported  
Piping Construction Aboveground: No  
Piping Construction Underground: No  
Piping Material: Not reported  
Piping Material Aboveground: No  
Piping Material Underground: No  
Pipe Leak Detection: Not reported  
Estimated Last Date Used: Not reported  
Estimated Quantity Remaining: 0.00  
Inert Filing: No  
Jurisdiction: 0  
Other Tank System: Not reported  
Other Tank Material: Not reported  
Other Tank Leak Detection: Not reported  
Other Interior Lining: Not reported  
Other Corrosion Protection: Not reported  
Other Pipe Leak Detection: Not reported  
Methanol Compatible: No

Facility ID: 2330  
Tank ID: 023309001003  
Owner: Not reported  
Tank Owner: 950 Harrison St Lofts LLC  
Manufacturer: Unknown

Case Number: Not reported  
Tank Capacity: 10  
Ust Number: Not reported  
Total Tanks: Not reported  
Date Installed: Not reported

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
 EPA ID Number

**950 HARRISON STREET LOFTS, LLC (Continued)**

**U003642859**

Received Date:	Not reported	Close Date:	Not reported
Certified Date:	Not reported		
Flag:	ACTIVE		
Status:	1	Drop Tube:	No
Striker Plate:	No	Dispencer:	No
Contents A:	95.00		
Contents B:	Product		
Contents C:	Diesel		
Mailing Address:	132 East 3rd Avenue Menlo Park, CA 94402		
Other Substance:	Not reported		
Tank Construction Type:	Single Wall		
Tank Material:	Bare Steel		
Interior Lining:	Unlined		
Corrosion Protection:	9		
Spill Contamination Installed Date:	Not reported		
Overfill Prevention Installed Date:	Not reported		
Piping Type:	Not reported		
Piping Aboveground:	No		
Piping Underground:	No		
Piping Construction:	Not reported		
Piping Construction Aboveground:	No		
Piping Construction Underground:	No		
Piping Material:	Not reported		
Piping Material Aboveground:	No		
Piping Material Underground:	No		
Pipe Leak Detection:	Not reported		
Estimated Last Date Used:	Not reported		
Estimated Quantity Remaining:	0.00		
Inert Filing:	No		
Jurisdiction:	0		
Other Tank System:	Not reported		
Other Tank Material:	Not reported		
Other Tank Leak Detection:	Not reported		
Other Interior Lining:	Not reported		
Other Corrosion Protection:	Not reported		
Other Pipe Leak Detection:	Not reported		
Methanol Compatible:	No		

UST Alameda County:  
 Facility Id: 233  
 Operator Name: Dick Cochran  
 Num of Tanks: 2  
 Contact Name: Dick Cochran  
 Permit Date: Not reported

30  
 NE  
 1/8-1/4  
 1187  
 Higher

**FLORES BODY SHOP  
 945 E 11TH ST  
 OAKLAND, CA 94606**

**HAZNET S100862248  
 N/A**





Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation

MAP FINDINGS

**BART OAKLAND SHOP (Continued)**

EDR ID Number  
 EPA ID Number

Database(s)

1000393210

State LUST:

Cross Street:	Not reported	Qty Leaked:	Not reported
Reg Board:	San Francisco Bay Region		
Chemical:	Gasoline		
Lead Agency:	Local Agency		
Case Type:	Soil only		
Status:	Signed off, remedial action completed or deemed unnecessary		
County:	Alameda		
Abate Method:	Excavate and Dispose - remove contaminated soil and dispose in approved site		
Review Date:	08/07/1996	Confirm Leak:	7/15/92
Workplan:	6/20/91	Prelim Assess:	Not reported
Pollution Char:	Not reported	Remed Plan:	Not reported
Remed Action:	Not reported	Monitoring:	Not reported
Close Date:	3/18/96	Release Date:	10/05/1989

LUST Region 2:

Region:	2
Facility Id:	01-0464
Entered Date:	03/24/93
Facility Status:	Signed off, remedial action completed or deemed unnecessary
Maximum Soil Concentration:	19
Maximum Groundwater Impact:	Not reported
Current Benzene:	Not reported
Current MTBE :	Not reported
Maximum MTBE Groundwater:	Not reported
MTBE Quali:	Not reported

UST Alameda County:

Facility Id:	3204
Operator Name:	Bay Area Rapid Transit Distric
Num of Tanks:	4
Contact Name:	Not reported
Permit Date:	06/07/91

H33  
 NNW  
 1/4-1/2  
 1409  
 Higher

**BART OAKLAND MAINT. FAC.**  
**601 E 8TH ST**  
**OAKLAND, CA 94606**

LUST

S103556165  
 N/A

LUST Region 3:

Case Number:	70002	Release Date:	02/06/91
Cross Street:	Not reported	Enter Date:	Not reported
Reported By:	,		
Representing:	Not reported		
Respble Party:	-0-		
RP Telephone:	Not reported		
Operator:	Maj.Gen. A. Jameson	Contact:	Not reported
Local Agency:	03	Regional Board:	Central Coast Region
Chemical:	Not reported	Quantity:	Not reported
Discovered:	02/06/91	Stop Date:	Not reported
How Found:	Not reported	How Stopped:	Not reported
Source:	Other		
Cause:	Not reported		
Lead Agency:	Local Agency		
Case Type:	Aquifer affected		
Priority:	-0-	Staff Initials:	Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

**MAP FINDINGS**

Database(s) EDR ID Number  
EPA ID Number

**BART OAKLAND MAINT. FAC. (Continued)**

**S103556165**

Facility Status: Not reported  
Abate Method: OT  
Review Date: Not reported  
Confirm Leak: 02/06/91  
Prelim Assess: Not reported  
Remed Plan: / /  
Monitoring: Not reported  
Enforce Type: -0-  
Enforce Date: Not reported  
Interim Action: Not reported  
Contaminants: 12036  
Site Telephone: Not reported  
Basin Plan: Not reported  
Facility Id : 3204  
CUF Id : Not reported  
Max MTBE Ground Water : Not reported  
Max MTBE Soil : Not reported  
Max MTBE Data : Not reported  
MTBE Tested : NT  
Suspended : Not reported  
Beneficial : Not reported  
Lat/Long : Not reported  
Soil Qualifier: Not reported  
Groundwater Qualifier: Not reported  
Summary: Not reported

Funding: Federal Funds  
Workplan: 2/6/91  
Pollution Char: / /  
Remed Action: / /  
Close Date: 04/07/92  
Pilot Program: LOP  
Region: 3

**LUST Alameda County:**

Region: ALAMEDA  
Facility Type: S  
Status: Inactive  
Case Closed: Yes  
Contact: Richard White,gen.mg  
Contact Company: SF Bart District  
Case Closed Date: 03/18/1996  
Clean Up Fund Date: Not reported

34  
WNW  
1/4-1/2  
1443  
Higher

**SEABREEZE YACHT CENTER**  
280 6TH AVE  
OAKLAND, CA 94606

**RCRIS-SQG 1000393266**  
**FINDS CAD982401127**  
**HAZNET**  
**CA SLIC**

RCRIS:  
Owner: SEABREEZE YACHT CENTER INC  
(415) 555-1212  
Contact: ENVIRONMENTAL MANAGER  
(415) 272-1178  
Record Date: 09/01/1996  
Classification: Small Quantity Generator

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
 EPA ID Number

**SEABREEZE YACHT CENTER (Continued)**

1000393266

Used Oil Recyc: No  
 Violation Status: No violations found

**HAZNET:**

Gepaid:	CAC001004952	Tepaid:	AZD049318009
Contact:	PORT OF OAKLAND	Telephone:	(000) 000-0000
Gen County:	99	Tsd County:	99
Tons:	0.0050		
Category:			
Disposal Method:	Transfer Station		
Mailing Address:	PO BOX 2064		
	OAKLAND, CA 94604		
County	1		

**SLIC Region 2:**

Facility ID:	01S0145	Discovery Date:	Not reported
Region:	2	Sample Date:	Not reported
Facility Status:	Inactive		
Staff:	DCL		
Last Site Update:	11/03/88		
NPL Status:	Not an NPL site		
Case Type:	Not reported		
Contamination:	Not reported		
Lead:	RWQCB		
Contamination Level:		Not reported	
Number of Municipal Wells Contaminated by Site:		0	
Number of Private Wells Contaminated by Site:		0	
Soil Removal Action Taken/Needed:		Not reported	
Soil Removal or Contaminant Action Started:		Not reported	
Soil Removal or Contaminant Action Completed:		Not reported	
On-Site Groundwater Extraction or Containment is Needed:		Not reported	
On-Site Groundwater Extraction or Containment Started:		Not reported	
Off-Site Groundwater Extraction or Containment is Needed:		Not reported	
Off-Site Groundwater Extraction or Containment Started:		Not reported	
Length of Contamination Plume (Feet):		0	
Depth of Contamination Plume (Feet):		0	
Wells Closed Due To Contamination of Site:		Not reported	
Date of Wells Closure:		Not reported	
Nearest Public or Private Drinking Water Well (Feet):		0	
Under Jurisdiction of Lead Agency Date:		Not reported	
Latitude/Longitude:		38 / -122	
Flow Rate:		0	
Flow Date:		Not reported	
Percent of Contaminants Contained:		0	
Contaminant Type:		Not reported	
EPA ID:		Not reported	
Stages of Site Investigation Process Initiated:			
Begun Characterization :		Not reported	
Completed Characterization :		Not reported	
Begun Remediation:		Not reported	
Completed Remediation:		Not reported	
Submitted Remediation Plan:		Not reported	
Approved Remediation Plan:		Not reported	
Begun Final Remedial Action:		Not reported	
Completed Final Remedial Action:		Not reported	
Facility Desc:	Not reported		
Comment:	G		

MAP FINDINGS

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

<b>35</b> North 1/4-1/2 1488 Higher	<b>AMERICAN INK PRODUCT CO.</b> 630 E 10TH ST OAKLAND, CA 94606	<b>LUST</b>	<b>S103556170</b> N/A
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LUST Alameda County:

Region:	ALAMEDA
Facility Type:	S
Status:	Inactive
Case Closed:	Yes
Contact:	Mr. Ed Bronstein
Contact Company:	Not reported
Case Closed Date:	02/15/1995
Clean Up Fund Date:	Not reported

<b>36</b> NNW 1/4-1/2 1493 Higher	<b>AMERICAN INK PRODUCTS</b> 630 EAST 10TH STREET OAKLAND, CA 92626	<b>Notify 65</b> <b>LUST</b>	<b>S100178824</b> N/A
---	---	---------------------------------	--------------------------

State LUST:

Cross Street:	Not reported	Qty Leaked:	Not reported
Reg Board:	San Francisco Bay Region		
Chemical:	Gasoline		
Lead Agency:	Local Agency		
Case Type:	Soil only		
Status:	Signed off, remedial action completed or deemed unnecessary		
County:	Alameda		
Abate Method:	Excavate and Dispose - remove contaminated soil and dispose in approved site		
Review Date:	06/20/1995	Confirm Leak:	7/13/92
Workplan:	Not reported	Prelim Assess:	Not reported
Pollution Char:	Not reported	Remed Plan:	Not reported
Remed Action:	Not reported	Monitoring:	Not reported
Close Date:	2/15/95	Release Date:	11/07/1988

LUST Region 2:

Region:	2
Facility Id:	01-0076
Entered Date:	05/09/91
Facility Status:	Signed off, remedial action completed or deemed unnecessary
Maximum Soil Concentration:	3000
Maximum Groundwater Impact:	Not reported
Current Benzene:	Not reported
Current MTBE :	Not reported
Maximum MTBE Groundwater:	Not reported
MTBE Quali:	Not reported

NOTIFY 65:

Date Reported:	Not reported	Staff Initials:	Not reported
Board File Number:	Not reported		
Facility Type:	Not reported		
Discharge Date:	Not reported		
Incident Description:	92626		

<b>37</b> ESE 1/4-1/2 1606 Higher	<b>CROWLEY MARITIME CORP.</b> PAC. DRY DOCK REPAIR YARD OAKLAND, CA 92626	<b>Notify 65</b>	<b>S100179677</b> N/A
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Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation

MAP FINDINGS

		Database(s)	EDR ID Number EPA ID Number
<b>CROWLEY MARITIME CORP. (Continued)</b>			<b>S100179677</b>

NOTIFY 65:  
 Date Reported: Not reported    Staff Initials: Not reported  
 Board File Number: Not reported  
 Facility Type: Not reported  
 Discharge Date: Not reported  
 Incident Description: 92626

<b>I38          NW          1/4-1/2          1608          Higher</b>	<b>ALLIFT &amp; EQUIPMENT CO.          251 5TH AVE          OAKLAND, CA 94606</b>	<b>LUST</b>	<b>S103556151          N/A</b>
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LUST Alameda County:  
 Region: ALAMEDA  
 Facility Type: S  
 Status: Inactive  
 Case Closed: Yes  
 Contact: Environ Plan Dept  
 Contact Company: Port of Oakland  
 Case Closed Date: 01/03/1994  
 Clean Up Fund Date: Not reported

<b>I39          NW          1/4-1/2          1608          Higher</b>	<b>ALLIFT &amp; EQUIPMENT COMPANY          251 5TH AVE          OAKLAND, CA 94606</b>	<b>LUST</b>	<b>S103472298          N/A</b>
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State LUST:  
 Cross Street: Not reported  
 Reg Board: San Francisco Bay Region    Qty Leaked: Not reported  
 Chemical: Gasoline  
 Lead Agency: Local Agency  
 Case Type: Soil only  
 Status: Signed off, remedial action completed or deemed unnecessary  
 County: Alameda  
 Abate Method: Excavate and Dispose - remove contaminated soil and dispose in approved site, Excavate and Treat - remove contaminated soil and treat (includes spreading or land farming)  
 Review Date: 03/24/1995    Confirm Leak: 11/18/91  
 Workplan: 12/6/91    Prelim Assess: Not reported  
 Pollution Char: Not reported    Remed Plan: Not reported  
 Remed Action: Not reported    Monitoring: Not reported  
 Close Date: 1/3/94    Release Date: 10/06/1991

LUST Region 2:  
 Region: 2  
 Facility Id: 01-1194  
 Entered Date: 01/29/92  
 Facility Status: Signed off, remedial action completed or deemed unnecessary  
 Maximum Soil Concentration: 410  
 Maximum Groundwater Impact: Not reported  
 Current Benzene: Not reported  
 Current MTBE: Not reported  
 Maximum MTBE Groundwater: Not reported  
 MTBE Quali: Not reported

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

Database(s)  
 EDR ID Number  
 EPA ID Number

**J40**      **J & R USED AUTO PARTS**      **Cortese**      **S101293781**  
**NNE**      **823 12TH ST**  
**1/4-1/2**      **OAKLAND, CA 94606**  
**1621**  
**Higher**

CORTESE:  
 Reg By: LTNKA  
 Reg Id: 01-0806  
 Region: CORTESE

**J41**      **FORMER J B AUTO**      **LUST**      **S103556175**  
**NNE**      **823 E 12TH ST**  
**1/4-1/2**      **OAKLAND, CA 94606**  
**1621**  
**Higher**

LUST Alameda County:  
 Region: ALAMEDA  
 Facility Type: Not reported  
 Status: Not reported  
 Case Closed: Not reported  
 Contact: Not reported  
 Contact Company: Not reported  
 Case Closed Date: Not reported  
 Clean Up Fund Date: Not reported

**J42**      **JR USED AUTO PARTS**      **LUST**      **S103176995**  
**NNE**      **823 12TH ST E**  
**1/4-1/2**      **OAKLAND, CA 94606**  
**1621**  
**Higher**

State LUST:  
 Cross Street: Not reported  
 Reg Board: San Francisco Bay Region      Qty Leaked: Not reported  
 Chemical: Mineral Spirits  
 Lead Agency: Local Agency  
 Case Type: Soil only  
 Status: Leak being confirmed  
 County: Alameda  
 Abate Method: No Action Taken - no action has as yet been taken at the site  
 Review Date: 10/09/1991      Confirm Leak: 9/23/91  
 Workplan: Not reported      Prelim Assess: Not reported  
 Pollution Char: Not reported      Remed Plan: Not reported  
 Remed Action: Not reported      Monitoring: Not reported  
 Close Date: Not reported      Release Date: 09/23/1991

LUST Region 2:  
 Region: 2  
 Facility Id: 01-0806  
 Entered Date: 10/11/91  
 Facility Status: Leak being confirmed  
 Maximum Soil Concentration: 187000  
 Maximum Groundwater Impact: Not reported  
 Current Benzene: Not reported  
 Current MTBE: Not reported  
 Maximum MTBE Groundwater: Not reported  
 MTBE Quali: Not reported

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation

MAP FINDINGS

Elevation	Site	Database(s)	EDR ID Number EPA ID Number
J43 NNE 1/4-1/2 1646 Higher	CAKEBREAD'S GARAGE, INC. 802 E 12TH ST OAKLAND, CA 94606	LUST	S102439534 N/A

LUST Region 3:

Case Number: 51219-9	Release Date: 03/21/89
Cross Street: Not reported	Enter Date: Not reported
Reported By: ,	
Representing: Not reported	
Respble Party: -0-	
RP Telephone: Not reported	
Operator: Marvin Taylor, P.E.	Contact: Not reported
Local Agency: 03	Regional Board: Central Coast Region
Chemical: Not reported	Quantity: Not reported
Discovered: 03/21/89	Stop Date: Not reported
How Found: Not reported	How Stopped: Not reported
Source: Other	
Cause: Not reported	
Lead Agency: Local Agency	
Case Type: Aquifer affected	
Priority: -0-	Staff Initials: Not reported
Facility Status: Not reported	
Abate Method: OT	
Review Date: Not reported	Funding: Federal Funds
Confirm Leak: 04/07/89	Workplan: //
Prelim Assess: Not reported	Pollution Char: //
Remed Plan: //	Remed Action: //
Monitoring: Not reported	Close Date: 10/06/93
Enforce Type: -0-	
Enforce Date: Not reported	Pilot Program: LOP
Interim Action: Not reported	Region: 3
Contaminants: 12034	
Site Telephone: Not reported	
Basin Plan: Not reported	
Facility Id : 200	
CUF Id : Not reported	
Max MTBE Ground Water : Not reported	
Max MTBE Soil : Not reported	
Max MTBE Data : Not reported	
MTBE Tested : NT	
Suspended : Not reported	
Beneficial : Not reported	
Lat/Long : Not reported	
Soil Qualifier: Not reported	
Groundwater Qualifier: Not reported	
Summary: Not reported	

LUST Alameda County:

Region: ALAMEDA  
 Facility Type: O  
 Status: Inactive  
 Case Closed: Yes  
 Contact: J. & D. Cakebread  
 Contact Company: John & Delores Cakebread  
 Case Closed Date: 06/09/1995  
 Clean Up Fund Date: 19940307



Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

**MAP FINDINGS**

Database(s)      EDR ID Number  
 EPA ID Number

**J44**  
**NNE**  
**1/4-1/2**  
**1646**  
**Higher**

**CAKEBREAD'S GARAGE INC**  
**802 E 12TH ST**  
**OAKLAND, CA 94606**

**UST**  
**LUST**      **U001599115**  
**N/A**

**State LUST:**

Cross Street:	Not reported	Qty Leaked:	Not reported
Reg Board:	San Francisco Bay Region		
Chemical:	Gasoline		
Lead Agency:	Local Agency		
Case Type:	Other ground water affected		
Status:	Signed off, remedial action completed or deemed unnecessary		
County:	Alameda		
Abate Method:	Excavate and Dispose - remove contaminated soil and dispose in approved site		
Review Date:	06/29/1995	Confirm Leak:	6/16/93
Workplan:	Not reported	Prefim Assess:	Not reported
Pollution Char:	Not reported	Remed Plan:	Not reported
Remed Action:	Not reported	Monitoring:	Not reported
Close Date:	6/9/95	Release Date:	04/07/1989

**LUST Region 2:**

Region:	2
Facility Id:	01-0492
Entered Date:	03/24/93
Facility Status:	Signed off, remedial action completed or deemed unnecessary
Maximum Soil Concentration:	6100
Maximum Groundwater Impact:	130000
Current Benzene:	ND
Current MTBE :	Not reported
Maximum MTBE Groundwater:	Not reported
MTBE Quali:	Not reported

**State UST:**

Facility ID:	21922	Container Num:	2
Tank Num:	1	Year Installed:	Not reported
Tank Capacity:	0		
Tank Used for:	Not Reported	Tank Constrctn:	Not reported
Type of Fuel:	Not Reported		
Leak Detection:	None	Telephone:	(415) 834-9140
Contact Name:	JACK CAKEBREAD	Region:	STATE
Total Tanks:	2	Other Type:	GARAGE
Facility Type:	2		

Facility ID:	21922	Container Num:	1
Tank Num:	2	Year Installed:	Not reported
Tank Capacity:	0		
Tank Used for:	Not Reported	Tank Constrctn:	Not reported
Type of Fuel:	Not Reported		
Leak Detection:		Telephone:	(415) 834-9140
Contact Name:	JACK CAKEBREAD	Region:	STATE
Total Tanks:	2	Other Type:	GARAGE
Facility Type:	2		

**UST Alameda County:**

Facility Id:	200
Operator Name:	Removed 2 UGT 04/89
Num of Tanks:	0
Contact Name:	Dennis Cakebread
Permit Date:	Not reported

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation

**K45**  
**ENE**  
**1/4-1/2**  
**1667**  
**Higher**

**GLASS ON THE MOVE**  
**1111 12TH ST E**  
**OAKLAND, CA 94606**

Database(s)

LUST

EDR ID Number  
 EPA ID Number

**S101293760**  
**N/A**

State LUST:

Cross Street:	Not reported	Qty Leaked:	Not reported
Reg Board:	San Francisco Bay Region		
Chemical:	Gasoline		
Lead Agency:	Local Agency		
Case Type:	Soil only		
Status:	Signed off, remedial action completed or deemed unnecessary		
County:	Alameda		
Abate Method:	Excavate and Treat - remove contaminated soil and treat (includes spreading or land farming)		
Review Date:	06/20/1995	Confirm Leak:	Not reported
Workplan:	11/25/91	Prelim Assess:	Not reported
Pollution Char:	Not reported	Remed Plan:	Not reported
Remed Action:	Not reported	Monitoring:	Not reported
Close Date:	3/27/95	Release Date:	09/16/1991

LUST Region 2:

Region:	2
Facility Id:	01-0703
Entered Date:	01/29/92
Facility Status:	Signed off, remedial action completed or deemed unnecessary
Maximum Soil Concentration:	1300
Maximum Groundwater Impact:	Not reported
Current Benzene:	Not reported
Current MTBE :	Not reported
Maximum MTBE Groundwater:	Not reported
MTBE Quali:	Not reported

**K46**  
**ENE**  
**1/4-1/2**  
**1667**  
**Higher**

**HALSTED, N. GRAY, CAREW & ENGLISH, INC.**  
**1101 SUTTER STREET**  
**OAKLAND, CA 94606**

UST  
 LUST

**U003713165**  
**N/A**

LUST Alameda County:

Region:	ALAMEDA
Facility Type:	S
Status:	Inactive
Case Closed:	Yes
Contact:	William Lenz Et Al
Contact Company:	ABCD Investors
Case Closed Date:	03/27/1995
Clean Up Fund Date:	Not reported

UST Alameda County:

Facility Id:	3677
Operator Name:	Removed 3 Ugt 1991
Num of Tanks:	0
Contact Name:	William H. Lenz
Permit Date:	Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

47  
NW  
1/4-1/2  
1687  
Higher

PERALTA DISTRICT ADMIN CENTER  
501 5TH AVE  
OAKLAND, CA 94606

RCRIS-SQG 1000149341  
FINDS CAD076567718  
UST  
Cortese  
LUST

RCRIS:

Owner: PERALTA COMM COLLEGE  
(415) 555-1212  
Contact: ENVIRONMENTAL MANAGER  
(415) 466-7337  
Record Date: 08/20/1987  
Classification: Small Quantity Generator  
Used Oil Recyc: No  
Violation Status: No violations found

State LUST:

Cross Street: 8TH ST  
Reg Board: San Francisco Bay Region Qty Leaked: Not reported  
Chemical: Diesel  
Lead Agency: Local Agency  
Case Type: Soil only  
Status: Preliminary site assessment underway  
County: Alameda  
Review Date: 10/29/1999 Confirm Leak: Not reported  
Workplan: 9/2/92 Prelim Assess: Not reported  
Pollution Char: Not reported Remed Plan: Not reported  
Remed Action: Not reported Monitoring: Not reported  
Close Date: Not reported Release Date: 09/03/1992

LUST Region 2:

Region: 2  
Facility Id: 01-1066  
Entered Date: 11/03/92  
Facility Status: Preliminary site assessment underway  
Maximum Soil Concentration: 15000  
Maximum Groundwater Impact: Not reported  
Current Benzene: Not reported  
Current MTBE : Not reported  
Maximum MTBE Groundwater: Not reported  
MTBE Quali: Not reported

LUST Alameda County:

Region: ALAMEDA  
Facility Type: S  
Status: Active  
Case Closed: Not reported  
Contact: Robert Mibach  
Contact Company: Peralta Community College Dist  
Case Closed Date: Not reported  
Clean Up Fund Date: Not reported

CORTESE:

Reg By: LTNKA  
Reg Id: 01-1066  
Region: CORTESE

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation

MAP FINDINGS

EDR ID Number  
 EPA ID Number

Database(s)

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**PERALTA DISTRICT ADMIN CENTER (Continued)**

1000149341

UST Alameda County:

Facility Id: 3292  
 Operator Name: Peralta Community College Dist  
 Num of Tanks: 3  
 Contact Name: Joanne Baldinelli  
 Permit Date: Not reported

---

48  
 NNW  
 1/4-1/2  
 1713  
 Higher

**PERALTA COM COLLEGE -LANEY**  
 333 E 8TH ST  
 OAKLAND, CA 94606

LUST

S103556315  
 N/A

LUST Alameda County:

Region: ALAMEDA  
 Facility Type: Not reported  
 Status: Not reported  
 Case Closed: Yes  
 Contact: Not reported  
 Contact Company: Not reported  
 Case Closed Date: 01/18/1996  
 Clean Up Fund Date: Not reported

---

L49  
 NNE  
 1/4-1/2  
 1733  
 Higher

**FORMER HARLEY DAVIDSON**  
 744 E 12TH ST  
 OAKLAND, CA 94606

LUST

S103556173  
 N/A

LUST Alameda County:

Region: ALAMEDA  
 Facility Type: U  
 Status: Active  
 Case Closed: Not reported  
 Contact: Mr. J. W. Silveira  
 Contact Company: J. W. Silveria Co.  
 Case Closed Date: Not reported  
 Clean Up Fund Date: Not reported

---

L50  
 NNE  
 1/4-1/2  
 1733  
 Higher

**HARLEY DAVIDSON MOTORCYCLE**  
 744 12TH ST E  
 OAKLAND, CA 94606

LUST

S104241981  
 N/A

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
 EPA ID Number

**HARLEY DAVIDSON MOTORCYCLE (Continued)**

**S104241981**

State LUST:  
 Cross Street: Not reported  
 Reg Board: San Francisco Bay Region Qty Leaked: Not reported  
 Chemical: Gasoline  
 Lead Agency: Local Agency  
 Case Type: Undefined  
 Status: Leak being confirmed  
 County: Alameda  
 Review Date: 02/18/1997 Confirm Leak: 8/10/98  
 Workplan: Not reported Prelim Assess: Not reported  
 Pollution Char: Not reported Remed Plan: Not reported  
 Remed Action: Not reported Monitoring: Not reported  
 Close Date: Not reported Release Date: 04/18/1996

LUST Region 2:  
 Region: 2  
 Facility Id: 01-2340  
 Entered Date: 06/14/94  
 Facility Status: Leak being confirmed  
 Maximum Soil Concentration: Not reported  
 Maximum Groundwater Impact: Not reported  
 Current Benzene: Not reported  
 Current MTBE : Not reported  
 Maximum MTBE Groundwater: Not reported  
 MTBE Quali: Not reported

51  
 West  
 1/4-1/2  
 1785  
 Higher

**NAS ALAMEDA  
 B 117 AVENUE 6  
 ALAMEDA, CA 94501**

**LUST**

**S102444460  
 N/A**

State LUST:  
 Cross Street: Not reported  
 Reg Board: San Francisco Bay Region Qty Leaked: Not reported  
 Chemical: Diesel  
 Lead Agency: Local Agency  
 Case Type: Undefined  
 Status: No leak action taken by responsible party after initial report of leak  
 County: Alameda  
 Review Date: 01/25/1996 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: Not reported Release Date: 08/30/1994

LUST Region 2:  
 Region: 2  
 Facility Id: 01-2078  
 Entered Date: 06/15/95  
 Facility Status: No leak action taken by responsible party after initial report of leak  
 Maximum Soil Concentration: Not reported  
 Maximum Groundwater Impact: Not reported  
 Current Benzene: Not reported  
 Current MTBE : Not reported  
 Maximum MTBE Groundwater: Not reported  
 MTBE Quali: Not reported

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
 EPA ID Number

**M52**  
**ENE**  
**1/4-1/2**  
**1805**  
**Higher**

**GIBSON PAINT CO.**  
**1199 E 12TH ST**  
**OAKLAND, CA 94606**

**Ca. FID**  
**Cortese**  
**UST**

**1000590116**  
**N/A**

**CORTESE:**

Reg By: LTNKA  
 Reg Id: 01-0699  
 Region: CORTESE

**FID:**

Facility ID:	01000822	Regulate ID:	00036220
Reg By:	Inactive Underground Storage Tank Location		
Cortese Code:	Not reported	SIC Code:	Not reported
Status:	Inactive	Facility Tel:	(415) 444-3256
Mail To:	Not reported		
	1175 CLARENDON CRESCENT		
	OAKLAND, CA 94606		
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		

**State UST:**

Facility ID:	36220		
Tank Num:	1	Container Num:	1
Tank Capacity:	6000	Year Installed:	1947
Tank Used for:	PRODUCT		
Type of Fuel:	Not Reported	Tank Constrctn:	Not reported
Leak Detection:	Stock Inventor		
Contact Name:	LI SUN	Telephone:	(415) 834-9818
Total Tanks:	2	Region:	STATE
Facility Type:	2	Other Type:	PAINT MANUFACTURER
Facility ID:	36220		
Tank Num:	2	Container Num:	2
Tank Capacity:	3000	Year Installed:	1957
Tank Used for:	PRODUCT		
Type of Fuel:	Not Reported	Tank Constrctn:	Not reported
Leak Detection:	None		
Contact Name:	LI SUN	Telephone:	(415) 834-9818
Total Tanks:	2	Region:	STATE
Facility Type:	2	Other Type:	PAINT MANUFACTURER

**M53**  
**ENE**  
**1/4-1/2**  
**1805**  
**Higher**

**FORMER COOPER TIRE SHOP**  
**1200 E 12TH ST**  
**OAKLAND, CA 94606**

**LUST**  
**S103556177**  
**N/A**

**LUST Alameda County:**

Region: ALAMEDA  
 Facility Type: U  
 Status: Active  
 Case Closed: Not reported  
 Contact: Mr. Robert Baston  
 Contact Company: N / A  
 Case Closed Date: Not reported  
 Clean Up Fund Date: Not reported

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

MAP FINDINGS

Database(s)      EDR ID Number  
 EPA ID Number

**M54**  
**ENE**  
**1/4-1/2**  
**1805**  
**Higher**

**COOPER TIRE SHOP FORMER**  
**1200 12TH ST E**  
**OAKLAND, CA 94606**

**LUST**

**S103890684**  
**N/A**

State LUST:

Cross Street:	Not reported	Qty Leaked:	Not reported
Reg Board:	San Francisco Bay Region		
Chemical:	Gasoline		
Lead Agency:	Local Agency		
Case Type:	Undefined		
Status:	Leak being confirmed		
County:	Alameda		
Review Date:	03/02/1999	Confirm Leak:	8/14/96
Workplan:	Not reported	Prelim Assess:	Not reported
Pollution Char:	Not reported	Remed Plan:	Not reported
Remed Action:	Not reported	Monitoring:	Not reported
Close Date:	Not reported	Release Date:	08/14/1996

LUST Region 2:

Region:	2
Facility Id:	01-2458
Entered Date:	03/02/99
Facility Status:	Leak being confirmed
Maximum Soil Concentration:	Not reported
Maximum Groundwater Impact:	Not reported
Current Benzene:	Not reported
Current MTBE :	Not reported
Maximum MTBE Groundwater:	Not reported
MTBE Quali:	Not reported

**M55**  
**ENE**  
**1/4-1/2**  
**1805**  
**Higher**

**GIBSON PAINT COMPANY**  
**1199 E. 12TH ST.**  
**OAKLAND, CA 94606**

**FINDS**  
**LUST**

**1001612912**  
**011026CA 001**

FINDS:

Other Pertinent Environmental Activity Identified at Site:  
 Section Seven Tracking System (SSTS)

State LUST:

Cross Street:	Not reported	Qty Leaked:	Not reported
Reg Board:	San Francisco Bay Region		
Chemical:	Gasoline		
Lead Agency:	Local Agency		
Case Type:	Other ground water affected		
Status:	Signed off, remedial action completed or deemed unnecessary		
County:	Alameda		
Abate Method:	Excavate and Dispose - remove contaminated soil and dispose in approved site, Excavate and Treat - remove contaminated soil and treat (includes spreading or land farming)		
Review Date:	03/12/1998	Confirm Leak:	Not reported
Workplan:	11/21/90	Prelim Assess:	8/28/91
Pollution Char:	Not reported	Remed Plan:	Not reported
Remed Action:	Not reported	Monitoring:	Not reported
Close Date:	3/10/98	Release Date:	06/28/1990

LUST Region 2:

Region:	2
Facility Id:	01-0699

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation

MAP FINDINGS

**GIBSON PAINT COMPANY (Continued)**

EDR ID Number  
 EPA ID Number

Database(s)

Entered Date: 12/14/90  
 Facility Status: Signed off, remedial action completed or deemed unnecessary  
 Maximum Soil Concentration: 330  
 Maximum Groundwater Impact: 55000  
 Current Benzene: ND  
 Current MTBE : Not reported  
 Maximum MTBE Groundwater: Not reported  
 MTBE Quali: Not reported

1001612912

56  
 WNW  
 1/4-1/2  
 1900  
 Higher

**S.B. HWY 880 @ 5TH AVE. OVER PASS  
 OAKLAND, CA 94621**

CHMIRS

S100275356  
 N/A

CHMIRS:

OES Control Number: 8910433 DOT ID: 1993  
 DOT Hazard Class: Miscellaneous hazardous material  
 Chemical Name: FLOOR WAX  
 Extent of Release: Not reported  
 CAS Number: Not reported Quantity Released: 3  
 Environmental Contamination: Other Property Use: Freeway  
 Incident Date: 01-JUN-89 Date Completed: 01-JUN-89

N57  
 North  
 1/4-1/2  
 1969  
 Higher

**MERRITT ENV CORP  
 1044 5TH AVE  
 OAKLAND, CA 94606**

LUST

U003300530  
 N/A

LUST Alameda County:

Region: ALAMEDA  
 Facility Type: S  
 Status: Active  
 Case Closed: Not reported  
 Contact: Ms. Pamela Brown  
 Contact Company: Not reported  
 Case Closed Date: Not reported  
 Clean Up Fund Date: Not reported

N58  
 North  
 1/4-1/2  
 1969  
 Higher

**MERRITT ENVIRONMENTAL CORP  
 1044 5TH AVE  
 OAKLAND, CA 94606**

LUST

S103878999  
 N/A



Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

**MAP FINDINGS**

Database(s) EDR ID Number  
 EPA ID Number

**MERRITT ENVIRONMENTAL CORP (Continued)**

**S103878999**

State LUST:

Cross Street:	Not reported	Qty Leaked:	Not reported
Reg Board:	San Francisco Bay Region		
Chemical:	Gasoline		
Lead Agency:	Local Agency		
Case Type:	Undefined		
Status:	Preliminary site assessment underway		
County:	Alameda		
Review Date:	11/19/1999	Confirm Leak:	3/20/98
Workplan:	Not reported	Prelim Assess:	Not reported
Pollution Char:	Not reported	Remed Plan:	Not reported
Remed Action:	Not reported	Monitoring:	Not reported
Close Date:	Not reported	Release Date:	11/06/1995

LUST Region 2:

Region:	2
Facility Id:	21-2323
Entered Date:	03/21/96
Facility Status:	Preliminary site assessment underway
Maximum Soil Concentration:	Not reported
Maximum Groundwater Impact:	Not reported
Current Benzene:	Not reported
Current MTBE :	Not reported
Maximum MTBE Groundwater:	Not reported
MTBE Quali:	Not reported

O59  
 WNW  
 1/4-1/2  
 2224  
 Higher

**CAPITOL SUPPLY COMPANY**  
**351 EMBARCADERO**  
**OAKLAND, CA 94607**

Cal-Sites **S102008238**  
 N/A

CAL-SITES:

Facility ID	01500086
Status:	REFRC - DOES NOT REQUIRE DTSC ACTION. REFERRED TO RESOURCE CONSERVATION AND RECOVERY ACT (RCRA) LEAD
Status Date:	06/08/1994
Lead:	Not reported
Region:	2 - BERKELEY
Branch:	NC - NORTH COAST
File Name:	Not reported
Status Name:	PROPERTY/SITE REFERRED TO RCRA
Lead Agency:	N/A
NPL:	Not reported
SIC:	50 WHOLESALE TRADE - DURABLE GOODS
Facility Type:	Not reported
Type Name:	N/A
Staff Member Responsible for Site:	Not reported
Supervisor Responsible for Site:	Not reported
Region Water Control Board:	Not reported
Access:	Not reported
Cortese:	Not reported
Hazardous Ranking Score:	Not reported
Date Site Hazard Ranked:	Not reported
Groundwater Contamination:	Not reported
No. of Contamination Sources:	0.00000
Lat/Long:	0.00000° 0.00000° 0.00000" / 0.00000° 0.00000° 0.00000"
Lat/long Method:	Not reported
State Assembly District Code:	Not reported
State Senate District:	Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

CAPITOL SUPPLY COMPANY (Continued)

S102008238

Activity:  
Activity: Not reported  
Activity Name: Not reported  
AWP Code: Not reported  
Proposed Budget: 0.00000  
AWP Completion Date: Not reported  
Revised Due Date: Not reported  
Comments Date: Not reported  
Est Person-Years to complete: 0.00000  
Estimated Size: Not reported  
Request to Delete Activity: Not reported  
Activity Status: Not reported  
Definition of Status: Not reported  
Solids Removed (Cubic Yards): 0.00000  
Solids Treated (Cubic Yards): 0.00000  
Liquids Removed (Gals): 0.00000  
Liquids Treated (Gals): 0.00000  
Action Included Capping: Not reported  
Well Decommissioned: Not reported  
Action Included Fencing: Not reported  
Removal Action Certification: Not reported  
Acres Available Upon Completion Of Activity  
For Commercial Reuse: 0.00000  
For Industrial Reuse: 0.00000  
For Residential Reuse: 0.00000  
Unknown Type: 0.00000

Activity Comments: Not reported

All Site Names Associated with Site: CAPITOL SUPPLY COMPANY  
PORT OF OAKLAND

All Street Addresses: 351 EMBARCADERO  
OAKLAND, CA 94607

Background: Not reported  
Id Name: EPA IDENTIFICATION NUMBER  
Id Value: CAD982401556

Special Programs:  
Program Name: Not reported  
Program Code: Not reported

Comments:  
Date: 11/05/1980  
Comment: QUESTIONNAIRE RECEIVED. NO PROBLEM.

Date: 05/21/1990  
Comment: Site at same location named "Oakland Port of" currently  
monitored under Rcris.

60  
ENE 1235 E-14 STREET  
1/4-1/2 OAKLAND, CA 94606  
2234  
Higher

CHMIRS S100277161  
N/A

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
 EPA ID Number

(Continued)

S100277161

CHMIRS:

OES Control Number: 9115124 DOT ID: Not reported  
 DOT Hazard Class: Not Reported  
 Chemical Name: MERCURY  
 Extent of Release: Not reported  
 CAS Number: Not reported Quantity Released: 1  
 Environmental Contamination: None Reported Property Use: 099  
 Incident Date: 03-JAN-91 Date Completed: 23-JAN-91

61  
 NNW  
 1/4-1/2  
 2269  
 Higher

**STERN PROPERTY**  
 1033 4TH AVE  
 OAKLAND, CA

Cortese  
 LUST

S102438106  
 N/A

State LUST:

Cross Street: Not reported  
 Reg Board: San Francisco Bay Region Qty Leaked: Not reported  
 Chemical: Diesel  
 Lead Agency: Local Agency  
 Case Type: Undefined  
 Status: Leak being confirmed  
 County: Alameda  
 Abate Method: No Action Taken - no action has as yet been taken at the site  
 Review Date: 01/24/1996 Confirm Leak: 1/24/96  
 Workplan: Not reported Prelim Assess: Not reported  
 Pollution Char: Not reported Remed Plan: Not reported  
 Remed Action: Not reported Monitoring: Not reported  
 Close Date: Not reported Release Date: 09/06/1988

LUST Region 2:

Region: 2  
 Facility Id: 01-1554  
 Entered Date: 09/06/88  
 Facility Status: Leak being confirmed  
 Maximum Soil Concentration: Not reported  
 Maximum Groundwater Impact: Not reported  
 Current Benzene: Not reported  
 Current MTBE: Not reported  
 Maximum MTBE Groundwater: Not reported  
 MTBE Quali: Not reported

CORTESE:

Reg By: LTNKA  
 Reg Id: 01-1554  
 Region: CORTESE

O62  
 WNW  
 1/4-1/2  
 2353  
 Higher

**FORMER PACIFIC DRY DOCK YARD 2**  
 321 EMBARCADERO  
 OAKLAND, CA 94606

LUST

S103556324  
 N/A

LUST Alameda County:

Region: ALAMEDA  
 Facility Type: U  
 Status: Active  
 Case Closed: Not reported  
 Contact: Ms. Diane Heinze  
 Contact Company: Port Of Oakland

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation

**MAP FINDINGS**

**FORMER PACIFIC DRY DOCK YARD 2 (Continued)**

EDR ID Number  
 EPA ID Number

Database(s)

Case Closed Date: Not reported  
 Clean Up Fund Date: Not reported

S103556324

**O63**  
**WNW**  
 1/4-1/2  
 2353  
 Higher

**PACIFIC DRY DOCK YARD #2 FORMER**  
**321 EMBARCADERO**  
**OAKLAND, CA 94606**

**LUST**

**S103879570**  
 N/A

LUST Region 2:  
 Region: 2  
 Facility Id: 01-2459  
 Entered Date: 03/02/99  
 Facility Status: Leak being confirmed  
 Maximum Soil Concentration: Not reported  
 Maximum Groundwater Impact: Not reported  
 Current Benzene: Not reported  
 Current MTBE : Not reported  
 Maximum MTBE Groundwater: Not reported  
 MTBE Quali: Not reported

**O64**  
**WNW**  
 1/4-1/2  
 2353  
 Higher

**PACIFIC DRY DOCK YARD #2 FORME**  
**321 EMBARCADERO**  
**OAKLAND, CA 94606**

**LUST**

**S103890683**  
 N/A

State LUST:  
 Cross Street: Not reported  
 Reg Board: San Francisco Bay Region Qty Leaked: Not reported  
 Chemical: Diesel  
 Lead Agency: Local Agency  
 Case Type: Undefined  
 Status: Leak being confirmed  
 County: Alameda  
 Review Date: 03/02/1999 Confirm Leak: 9/18/98  
 Workplan: Not reported Prelim Assess: Not reported  
 Pollution Char: Not reported Remed Plan: Not reported  
 Remed Action: Not reported Monitoring: Not reported  
 Close Date: Not reported Release Date: 09/18/1998

**65**  
**East**  
 1/4-1/2  
 2453  
 Higher

**DAVLIN PAINT**  
**1401 14TH**  
**OAKLAND, CA 92626**

**Notify 65**

**S100179369**  
 N/A

NOTIFY 65:  
 Date Reported: Not reported Staff Initials: Not reported  
 Board File Number: Not reported  
 Facility Type: Not reported  
 Discharge Date: Not reported  
 Incident Description: 92626

MAP FINDINGS

Map ID

Direction

Distance

Distance (ft.)

Elevation Site

Database(s)

EDR ID Number

EPA ID Number

**66**  
**NNE**  
**1/4-1/2**  
**2457**  
**Higher**

**RESIDENTIAL**  
**725 E 15TH (-727)**  
**OAKLAND, CA 94606**

**LUST**

**S103556205**  
**N/A**

LUST Alameda County:

Region: ALAMEDA  
 Facility Type: Not reported  
 Status: Not reported  
 Case Closed: Yes  
 Contact: Not reported  
 Contact Company: Not reported  
 Case Closed Date: 02/15/1995  
 Clean Up Fund Date: Not reported

**67**  
**NNW**  
**1/4-1/2**  
**2484**  
**Higher**

**JOHNSTON SONS**  
**801 3RD AVE**  
**OAKLAND, CA 94606**

**LUST**

**S100226645**  
**N/A**

State LUST:

Cross Street: Not reported  
 Reg Board: San Francisco Bay Region Qty Leaked: Not reported  
 Chemical: Gasoline  
 Lead Agency: Local Agency  
 Case Type: Undefined  
 Status: Signed off, remedial action completed or deemed unnecessary  
 County: Alameda  
 Abate Method: No Action Taken - no action has as yet been taken at the site  
 Review Date: 09/08/1994 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: 5/18/93 Release Date: 06/30/1987

LUST Region 2:

Region: 2  
 Facility Id: 01-0826  
 Entered Date: 06/30/87  
 Facility Status: Signed off, remedial action completed or deemed unnecessary  
 Maximum Soil Concentration: ND  
 Maximum Groundwater Impact: Not reported  
 Current Benzene: Not reported  
 Current MTBE: Not reported  
 Maximum MTBE Groundwater: Not reported  
 MTBE Quali: Not reported

**P68**  
**East**  
**1/4-1/2**  
**2601**  
**Higher**

**OAKLAND CITY OF**  
**E 12TH ST / 14TH AVE**  
**OAKLAND, CA 94607**

**CA SLIC**

**S103881517**  
**N/A**

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

OAKLAND CITY OF (Continued)

S103881517

SLIC Region 2:

Facility ID: 01S0235  
Region: 2  
Facility Status: Inactive  
Staff: DCL  
Last Site Update: 02/26/91  
NPL Status: Not an NPL site  
Discovery Date: Not reported  
Case Type: Not reported  
Sample Date: Not reported  
Contamination: Not reported  
Lead: RWQCB  
Contamination Level: Not reported  
Number of Municipal Wells Contaminated by Site: 0  
Number of Private Wells Contaminated by Site: 0  
Soil Removal Action Taken/Needed: Not reported  
Soil Removal or Contaminant Action Started: Not reported  
Soil Removal or Contaminant Action Completed: Not reported  
On-Site Groundwater Extraction or Containment is Needed: Not reported  
On-Site Groundwater Extraction or Containment Started: Not reported  
Off-Site Groundwater Extraction or Containment is Needed: Not reported  
Off-Site Groundwater Extraction or Containment Started: Not reported  
Length of Contamination Plume (Feet): 0  
Depth of Contamination Plume (Feet): 0  
Wells Closed Due To Contamination of Site: Not reported  
Date of Wells Closure: Not reported  
Nearest Public or Private Drinking Water Well (Feet): 0  
Under Jurisdiction of Lead Agency Date: Not reported  
Latitude/Longitude: 38 / -122  
Flow Rate: 0  
Flow Date: Not reported  
Percent of Contaminants Contained: 0  
Contaminant Type: Not reported  
EPA ID: Not reported  
Stages of Site Investigation Process Initiated:  
Begun Characterization : Not reported  
Completed Characterization : Not reported  
Begun Remediation: Not reported  
Completed Remediation: Not reported  
Submitted Remediation Plan: Not reported  
Approved Remediation Plan: Not reported  
Begun Final Remedial Action: Not reported  
Completed Final Remedial Action: Not reported  
Facility Desc: Not reported  
Comment: Not reported

P69  
East  
1/4-1/2  
2601  
Higher

GENERAL TIRE  
1201 14TH AVE  
OAKLAND, CA 94606

LUST

S101308830  
N/A

LUST Region 3:

Case Number: 51219-22  
Release Date: 03/21/89  
Cross Street: Not reported  
Enter Date: Not reported  
Reported By:  
Representing: Not reported  
Responsible Party: -0-  
RP Telephone: Not reported

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

MAP FINDINGS

Database(s)  
 EDR ID Number  
 EPA ID Number

**GENERAL TIRE (Continued)**

**S101308830**

Operator: Marvin Taylor, P.E.	Contact: Not reported
Local Agency: 03	Regional Board: Central Coast Region
Chemical: Not reported	Quantity: Not reported
Discovered: 03/21/89	Stop Date: Not reported
How Found: Not reported	How Stopped: Not reported
Source: Other	
Cause: Not reported	
Lead Agency: Local Agency	
Case Type: Aquifer affected	
Priority: -0-	Staff Initials: Not reported
Facility Status: Not reported	
Abate Method: OT	
Review Date: Not reported	Funding: Federal Funds
Confirm Leak: 04/07/89	Workplan: 8/9/90
Prelim Assess: Not reported	Pollution Char: / /
Remed Plan: / /	Remed Action: / /
Monitoring: Not reported	Close Date: 10/06/93
Enforce Type: -0-	
Enforce Date: Not reported	Pilot Program: LOP
Interim Action: Not reported	Region: 3
Contaminants: 12034	
Site Telephone: Not reported	
Basin Plan: Not reported	
Facility Id : 203	
CUF Id : Not reported	
Max MTBE Ground Water : Not reported	
Max MTBE Soil : Not reported	
Max MTBE Data : Not reported	
MTBE Tested : NT	
Suspended : Not reported	
Beneficial : Not reported	
Lat/Long : Not reported	
Soil Qualifier: Not reported	
Groundwater Qualifier: Not reported	
Summary: Not reported	

**LUST Alameda County:**

Region: ALAMEDA
Facility Type: Not reported
Status: Not reported
Case Closed: Yes
Contact: Not reported
Contact Company: Not reported
Case Closed Date: 03/02/1998
Clean Up Fund Date: Not reported

P70  
 East  
 1/4-1/2  
 2612  
 Higher

**COMMERCIAL TIRE**  
 1201 14TH AVE  
 OAKLAND, CA 94606

**HAZNET S100933008**  
**CA SLIC N/A**

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation

MAP FINDINGS

Database(s)      EDR ID Number  
 EPA ID Number

**COMMERCIAL TIRE (Continued)**

**S100933008**

**HAZNET:**

Gepaid:	CAL000019194	Tepaid:	CAT000646117
Contact:	JERROLD A GLASS	Telephone:	(714) 862-6200
Gen County:	16	Tsd County:	Kings
Tons:	0.4214		
Category:	Asbestos-containing waste		
Disposal Method:	Not reported		
Mailing Address:	PO BOX 19528		
	IRVINE, CA 92623 - 9528		
County	1		

**SLIC Region 2:**

Facility ID:	01S0418	Discovery Date:	Not reported
Region:	2	Sample Date:	Not reported
Facility Status:	Inactive		
Staff:	DCL		
Last Site Update:	06/21/95		
NPL Status:	Not an NPL site		
Case Type:	Not reported		
Contamination:	Not reported		
Lead:	Not reported		
Contamination Level:		Not reported	
Number of Municipal Wells Contaminated by Site:		0	
Number of Private Wells Contaminated by Site:		0	
Soil Removal Action Taken/Needed:		Not reported	
Soil Removal or Contaminant Action Started:		Not reported	
Soil Removal or Contaminant Action Completed:		Not reported	
On-Site Groundwater Extraction or Containment is Needed:		Not reported	
On-Site Groundwater Extraction or Containment Started:		Not reported	
Off-Site Groundwater Extraction or Containment is Needed:		Not reported	
Off-Site Groundwater Extraction or Containment Started:		Not reported	
Length of Contamination Plume (Feet):		0	
Depth of Contamination Plume (Feet):		0	
Wells Closed Due To Contamination of Site:		Not reported	
Date of Wells Closure:		Not reported	
Nearest Public or Private Drinking Water Well (Feet):		0	
Under Jurisdiction of Lead Agency Date:		Not reported	
Latitude/Longitude:		38 / -122	
Flow Rate:		0	
Flow Date:		Not reported	
Percent of Contaminants Contained:		0	
Contaminant Type:		Not reported	
EPA ID:		Not reported	
Stages of Site Investigation Process Initiated:			
Begun Characterization :		Not reported	
Completed Characterization :		Not reported	
Begun Remediation:		Not reported	
Completed Remediation:		Not reported	
Submitted Remediation Plan:		Not reported	
Approved Remediation Plan:		Not reported	
Begun Final Remedial Action:		Not reported	
Completed Final Remedial Action:		Not reported	
Facility Desc:	Not reported		
Comment:	Not reported		



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site Database(s) EDR ID Number  
EPA ID Number

Q71  
ESE  
1/2-1  
2704  
Higher

I-880 20' N/16TH AVE  
OAKLAND, CA

CHMIRS

S100218926  
N/A

CHMIRS:

OES Control Number: 8910804 DOT ID: Not reported  
DOT Hazard Class: Not Reported  
Chemical Name: POTASSIUM METADISULFITE  
Extent of Release: Not reported  
CAS Number: Not reported Quantity Released: 50  
Environmental Contamination: None Reported Property Use: Freeway  
Incident Date: 17-OCT-89 Date Completed: 17-OCT-89

Q72  
ESE  
1/2-1  
2707  
Higher

N/B I-880 S/O 16TH AVE.  
OAKLAND, CA

CHMIRS

S100280589  
N/A

CHMIRS:

OES Control Number: 9990261 DOT ID: 1993  
DOT Hazard Class: Flammable liquid  
Chemical Name: DIESEL FUEL  
Extent of Release: Not reported  
CAS Number: Not reported Quantity Released: 100  
Environmental Contamination: Air Property Use: Freeway  
Incident Date: 26-OCT-88 Date Completed: 26-OCT-88

Q73  
ESE  
1/2-1  
2707  
Higher

I 880 S/B @ 16TH AVENUE  
OAKLAND, CA

CHMIRS

S100280322  
N/A

CHMIRS:

OES Control Number: 9116692 DOT ID: 1993  
DOT Hazard Class: Not Reported  
Chemical Name: DIESEL FUEL  
Extent of Release: Not reported  
CAS Number: Not reported Quantity Released: 75  
Environmental Contamination: Ground Property Use: Freeway  
Incident Date: 01-MAY-91 Date Completed: 01-MAY-09

74  
ESE  
1/2-1  
2869  
Higher

E 12TH STREET @ 16TH AVENUE OVERPASS  
OAKLAND, CA

CHMIRS

S100279902  
N/A

**MAP FINDINGS**

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

Database(s) EDR ID Number  
 EPA ID Number

(Continued)

S100279902

CHMIRS:

OES Control Number: 9012974 DOT ID: Not reported  
 DOT Hazard Class: Not Reported  
 Chemical Name: UNKNOWN  
 Extent of Release: Not reported  
 CAS Number: Not reported Quantity Released: 0  
 Environmental Contamination: Ground Property Use: 099  
 Incident Date: 17-SEP-90 Date Completed: 17-SEP-90

75  
 SSE  
 1/2-1  
 2880  
 Higher

**COAST GUARD EXCHANGE GAS STA.  
 COAST GUARD ISLE BLDG 22  
 ALAMEDA, CA 92405**

Notify 65

S100179574  
 N/A

NOTIFY 65:

Date Reported: Not reported Staff Initials: Not reported  
 Board File Number: Not reported  
 Facility Type: Not reported  
 Discharge Date: Not reported  
 Incident Description: 92405

76  
 ENE  
 1/2-1  
 3105  
 Higher

**1138 E. 17TH STREET  
 OAKLAND, CA 94606**

CHMIRS

S100277163  
 N/A

CHMIRS:

OES Control Number: 9115126 DOT ID: Not reported  
 DOT Hazard Class: Not Reported  
 Chemical Name: USED MOTOR OIL  
 Extent of Release: Not reported  
 CAS Number: Not reported Quantity Released: 2  
 Environmental Contamination: None Reported Property Use: Residential  
 Incident Date: 23-JAN-91 Date Completed: 23-JAN-91

77  
 North  
 1/2-1  
 3233  
 Higher

**TIME OIL COMPANY  
 255 14TH ST  
 OAKLAND, CA**

Cortese  
 LUST

S102439119  
 N/A

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
 EPA ID Number

**TIME OIL COMPANY (Continued)**

**S102439119**

State LUST:

Cross Street:	Not reported	Qty Leaked:	Not reported
Reg Board:	San Francisco Bay Region		
Chemical:	Gasoline		
Lead Agency:	Local Agency		
Case Type:	Undefined		
Status:	No leak action taken by responsible party after initial report of leak		
County:	Alameda		
Abate Method:	No Action Taken - no action has as yet been taken at the site		
Review Date:	01/25/1996	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:	Not reported	Release Date:	09/20/1989

LUST Region 2:

Region:	2
Facility Id:	01-1486
Entered Date:	11/29/89
Facility Status:	No leak action taken by responsible party after initial report of leak
Maximum Soil Concentration:	Not reported
Maximum Groundwater Impact:	Not reported
Current Benzene:	Not reported
Current MTBE :	Not reported
Maximum MTBE Groundwater:	Not reported
MTBE Quali:	Not reported

CORTESE:

Reg By:	LTNKA
Reg Id:	01-1486
Region:	CORTESE

78  
 WNW  
 1/2-1  
 3415  
 Higher

**BEDFORD PROPERTY SITE**  
**54 EMBARCADERO STREET**  
**OAKLAND, CA 94606**

Cal-Sites **S102008241**  
 N/A

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

BEDFORD PROPERTY SITE (Continued)

S102008241

CAL-SITES:

Facility ID 01500104  
Status: REFRW - DOES NOT REQUIRE DTSC ACTION. REFERRED TO REGIONAL WATER QUALITY CONTROLBOARD (RWQCB) LEAD  
Status Date: 07/27/1994  
Lead: Not reported  
Region: 2 - BERKELEY  
Branch: NC - NORTH COAST  
File Name: Not reported  
Status Name: PROPERTY/SITE REFERRED TO RWQCB  
Lead Agency: N/A  
NPL: Not reported  
SIC: 50 WHOLESALE TRADE - DURABLE GOODS  
Facility Type: Not reported  
Type Name: N/A  
Staff Member Responsible for Site: Not reported  
Supervisor Responsible for Site: Not reported  
Region Water Control Board: SF - SAN FRANCISCO BAY  
Access: Not reported  
Cortese: Not reported  
Hazardous Ranking Score: 4.50  
Date Site Hazard Ranked: 06/27/1991  
Groundwater Contamination: Not reported  
No. of Contamination Sources: 0.00000  
Lat/Long: 0.00000' 0.00000' 0.00000" / 0.00000' 0.00000' 0.00000"  
Lat/long Method: Not reported  
State Assembly District Code: Not reported  
State Senate District: Not reported  
Activity:  
Activity: SS  
Activity Name: Not reported  
AWP Code: Not reported  
Proposed Budget: 0.00000  
AWP Completion Date: Not reported  
Revised Due Date: Not reported  
Comments Date: 11/27/1989  
Est Person-Years to complete: 0.00000  
Estimated Size: Not reported  
Request to Delete Activity: Not reported  
Activity Status: REFRW  
Definition of Status: PROPERTY/SITE REFERRED TO RWQCB  
Solids Removed (Cubic Yards): 0.00000  
Solids Treated (Cubic Yards): 0.00000  
Liquids Removed (Gals): 0.00000  
Liquids Treated (Gals): 0.00000  
Action Included Capping: Not reported  
Well Decommissioned: Not reported  
Action Included Fencing: Not reported  
Removal Action Certification: Not reported  
Acres Available Upon Completion Of Activity  
For Commercial Reuse: 0.00000  
For Industrial Reuse: 0.00000  
For Residential Reuse: 0.00000  
Unknown Type: 0.00000  
Activity Comments: Not reported

All Site Names Associated with Site: BEDFORD PROPERTY SITE

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
 EPA ID Number

**BEDFORD PROPERTY SITE (Continued)**

**S102008241**

OLD LAKE MERIT CHANNEL  
 PEERLESS COFFEE  
 BEDFORD PROPERTIES

All Street Addresses: 54 EMBARCADERO STREET  
 OAKLAND, CA 94606

Background: Not reported  
 Id Name: Not reported  
 Id Value: Not reported

Special Programs:  
 Program Name: Not reported  
 Program Code: Not reported

Comments:  
 Date: 11/27/1989  
 Comment: Site listed on Cortese: Sample Results - up to 44,000 ppm of TPH. Records Search: 1940s lumber wholesaler with possible wood treatment; 1980 Ford Motor Co. rented part of site; Hazard Mitigated - contaminants were moved to one end of the site. Site to be used as a base for parking lot. SF Bay RWQCB aware of this on-site contaminated soil.  
 Site Screening Done: The site is currently vacant with no surface structures. The remediation is not complete.  
 Recommend Preliminary Endangerment Assessment (med).

Date: 01/14/1991  
 Comment: DHS Received EPA FIT Preliminary Assessment; EPA recommends NFA (09/06/90). DHS recommends PEA.

Date: 06/27/1991  
 Comment: Site hazard ranked with score of 4.50. Site is currently vacant and partially covered with gravel. It was owned by the Tilden Lumber & Mill Co. until 1929 during which it was bought by Southern Pacific Transportation Co. (SP). SP owned it until 1987. The Vukasins commenced ownership of the property at that time. Records indicate that past site uses include: lumber operations, railroad team-spur, and freight storage. Soil and groundwater contamination has been documented & is being monitored.

79  
 East  
 1/2-1  
 3437  
 Higher

**MARIN WAY / 16TH AVE  
 OAKLAND, CA 94606**

**CHMIRS S100218708  
 N/A**

CHMIRS:  
 OES Control Number: 8910583 DOT ID: Not reported  
 DOT Hazard Class: Not Reported  
 Chemical Name: OIL  
 Extent of Release: Not reported  
 CAS Number: Not reported Quantity Released: Not reported  
 Environmental Contamination: None Reported Property Use: Residential  
 Incident Date: 24-JUL-89 Date Completed: 24-JUL-89

80  
 ESE  
 1/2-1  
 3515  
 Higher

**PORT OF OAKLAND EMB COVE  
 1755 EMBARCADERO  
 OAKLAND, CA 94607**

**Cortese S102435404  
 N/A**



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

WILFRED'S AUTO WRECKING (Continued)

S102860807

CAL-SITES:

Facility ID 01500105  
Status: CERT - CERTIFIED AS HAVING BEEN REMEDIED SATISFACTORILY UNDER DTSC  
OVERSIGHT  
Status Date: 10/17/1997  
Lead: DTSC  
Region: 2 - BERKELEY  
Branch: NC - NORTH COAST  
File Name: CYPRESS FREEWAY/ WILFRED'S AUTO WRECKING  
Status Name: CERTIFIED  
Lead Agency: DEPT OF TOXIC SUBSTANCES CONTROL  
NPL: Not reported  
SIC: 50 WHOLESALE TRADE - DURABLE GOODS  
Facility Type: VCP  
Type Name: VOLUNTARY CLEANUP PROGRAM  
Staff Member Responsible for Site: Not reported  
Supervisor Responsible for Site: LNAKASHI  
Region Water Control Board: SF - SAN FRANCISCO BAY  
Access: Controlled  
Cortese: C  
Hazardous Ranking Score: Not reported  
Date Site Hazard Ranked: Not reported  
Groundwater Contamination: Not reported  
No. of Contamination Sources: 0.00000  
Lat/Long: 0.00000° 0.00000° 0.00000° / 0.00000° 0.00000° 0.00000°  
Lat/long Method: Not reported  
State Assembly District Code: 16  
State Senate District: 9

Activity:

Activity: RMDL  
Activity Name: REMEDIAL ACTION (RAP REQUIRED)  
AWP Code: Not reported  
Proposed Budget: 0.00000  
AWP Completion Date: Not reported  
Revised Due Date: Not reported  
Comments Date: 08/22/1997  
Est Person-Years to complete: 0.00000  
Estimated Size: Not reported  
Request to Delete Activity: Not reported  
Activity Status: CERT  
Definition of Status: CERTIFIED  
Solids Removed (Cubic Yards): 1046.00000  
Solids Treated (Cubic Yards): 0.00000  
Liquids Removed (Gals): 1046.00000  
Liquids Treated (Gals): 0.00000  
Action Included Capping: Not reported  
Well Decommissioned: Not reported  
Action Included Fencing: Not reported  
Removal Action Certification: No  
Acres Available Upon Completion Of Activity  
For Commercial Reuse: 0.00000  
For Industrial Reuse: 0.00000  
For Residential Reuse: 0.00000  
Unknown Type: 0.00000  
Activity Comments: CONTAMINATED SOILS REMOVED.

Activity: CERT

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

WILFRED'S AUTO WRECKING (Continued)

S102860807

Activity Name: CERTIFICATION  
AWP Code: Not reported  
Proposed Budget: 0.00000  
AWP Completion Date: Not reported  
Revised Due Date: Not reported  
Comments Date: 10/17/1997  
Est Person-Years to complete: 0.00000  
Estimated Size: Not reported  
Request to Delete Activity: Not reported  
Activity Status: CERT  
Definition of Status: CERTIFIED  
Solids Removed (Cubic Yards): 0.00000  
Solids Treated (Cubic Yards): 0.00000  
Liquids Removed (Gals): 0.00000  
Liquids Treated (Gals): 0.00000  
Action Included Capping: Not reported  
Well Decommissioned: Not reported  
Action Included Fencing: Not reported  
Removal Action Certification: Not reported  
Acres Available Upon Completion Of Activity  
For Commercial Reuse: 0.00000  
For Industrial Reuse: 0.00000  
For Residential Reuse: 0.00000  
Unknown Type: 0.00000  
Activity Comments: Not reported

Activity: DES  
Activity Name: DESIGN  
AWP Code: Not reported  
Proposed Budget: 0.00000  
AWP Completion Date: Not reported  
Revised Due Date: Not reported  
Comments Date: 11/22/1995  
Est Person-Years to complete: 0.00000  
Estimated Size: Not reported  
Request to Delete Activity: Not reported  
Activity Status: CERT  
Definition of Status: CERTIFIED  
Solids Removed (Cubic Yards): 0.00000  
Solids Treated (Cubic Yards): 0.00000  
Liquids Removed (Gals): 0.00000  
Liquids Treated (Gals): 0.00000  
Action Included Capping: Not reported  
Well Decommissioned: Not reported  
Action Included Fencing: Not reported  
Removal Action Certification: Not reported  
Acres Available Upon Completion Of Activity  
For Commercial Reuse: 0.00000  
For Industrial Reuse: 0.00000  
For Residential Reuse: 0.00000  
Unknown Type: 0.00000  
Activity Comments: Not reported

Activity: RAP  
Activity Name: REMEDIAL ACTION PLAN / RECORD OF DECISION  
AWP Code: Not reported  
Proposed Budget: 0.00000  
AWP Completion Date: Not reported



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

EDR ID Number  
EPA ID Number  
Database(s)

WILFRED'S AUTO WRECKING (Continued)

S102860807

Revised Due Date: Not reported  
Comments Date: 08/14/1995  
Est Person-Years to complete: 0.00000  
Estimated Size: Not reported  
Request to Delete Activity: Not reported  
Activity Status: CERT  
Definition of Status: CERTIFIED  
Solids Removed (Cubic Yards): 0.00000  
Solids Treated (Cubic Yards): 0.00000  
Liquids Removed (Gals): 0.00000  
Liquids Treated (Gals): 0.00000  
Action Included Capping: Not reported  
Well Decommissioned: Not reported  
Action Included Fencing: Not reported  
Removal Action Certification: Not reported  
Acres Available Upon Completion Of Activity  
For Commercial Reuse: 0.00000  
For Industrial Reuse: 0.00000  
For Residential Reuse: 0.00000  
Unknown Type: 0.00000  
Activity Comments: Not reported  
Activity: RIFS  
Activity Name: REMEDIAL INVESTIGATION / FEASIBILITY STUDY  
AWP Code: Not reported  
Proposed Budget: 0.00000  
AWP Completion Date: Not reported  
Revised Due Date: Not reported  
Comments Date: 07/03/1995  
Est Person-Years to complete: 0.00000  
Estimated Size: Not reported  
Request to Delete Activity: Not reported  
Activity Status: CERT  
Definition of Status: CERTIFIED  
Solids Removed (Cubic Yards): 0.00000  
Solids Treated (Cubic Yards): 0.00000  
Liquids Removed (Gals): 0.00000  
Liquids Treated (Gals): 0.00000  
Action Included Capping: Not reported  
Well Decommissioned: Not reported  
Action Included Fencing: Not reported  
Removal Action Certification: Not reported  
Acres Available Upon Completion Of Activity  
For Commercial Reuse: 0.00000  
For Industrial Reuse: 0.00000  
For Residential Reuse: 0.00000  
Unknown Type: 0.00000  
Activity Comments: Not reported  
Activity: ORDER  
Activity Name: I/SE, IORSE, FFA, FFSRA, VCA, EA  
AWP Code: VCA  
Proposed Budget: 0.00000  
AWP Completion Date: Not reported  
Revised Due Date: Not reported  
Comments Date: 05/10/1994  
Est Person-Years to complete: 0.00000  
Estimated Size: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

**MAP FINDINGS**

Database(s) EDR ID Number  
EPA ID Number

**WILFRED'S AUTO WRECKING (Continued)**

**S102860807**

Request to Delete Activity: Not reported  
Activity Status: CERT  
Definition of Status: CERTIFIED  
Solids Removed (Cubic Yards): 0.00000  
Solids Treated (Cubic Yards): 0.00000  
Liquids Removed (Gals): 0.00000  
Liquids Treated (Gals): 0.00000  
Action Included Capping: Not reported  
Well Decommissioned: Not reported  
Action Included Fencing: Not reported  
Removal Action Certification: Not reported  
Acres Available Upon Completion Of Activity  
For Commercial Reuse: 0.00000  
For Industrial Reuse: 0.00000  
For Residential Reuse: 0.00000  
Unknown Type: 0.00000

Activity Comments: Not reported

Activity: SS  
Activity Name: Not reported  
AWP Code: Not reported  
Proposed Budget: 0.00000  
AWP Completion Date: Not reported  
Revised Due Date: Not reported  
Comments Date: 05/04/1993  
Est Person-Years to complete: 0.00000  
Estimated Size: Not reported  
Request to Delete Activity: Not reported  
Activity Status: CERT  
Definition of Status: CERTIFIED  
Solids Removed (Cubic Yards): 0.00000  
Solids Treated (Cubic Yards): 0.00000  
Liquids Removed (Gals): 0.00000  
Liquids Treated (Gals): 0.00000  
Action Included Capping: Not reported  
Well Decommissioned: Not reported  
Action Included Fencing: Not reported  
Removal Action Certification: Not reported  
Acres Available Upon Completion Of Activity  
For Commercial Reuse: 0.00000  
For Industrial Reuse: 0.00000  
For Residential Reuse: 0.00000  
Unknown Type: 0.00000

Activity Comments: Not reported

All Site Names Associated with Site: WILFRED'S AUTO WRECKING  
CYPRESS FREEWAY/ WILFRED'S AUTO WRECKING  
CYPRESS RECONSTRUCTION

All Street Addresses: 1834 7TH STREET  
OAKLAND, CA 94607

Background: This facility is one of the sites included in the Cypress Reconstruction project. It is currently operating as a wrecking yard and is occupied with abandoned automobiles, parts, and debris. Sampling done in October 1992 detected total petroleum hydrocarbons as high as 138,000 ppm.

Id Name: CALSTARS CODE  
Id Value: 200356

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
 EPA ID Number

**WILFRED'S AUTO WRECKING (Continued)**

**S102860807**

Special Programs:

Program Name: Not reported  
 Program Code: Not reported

Comments:

Date: 05/04/1993  
 Comment: It is currently operating wrecking yard and is fully occupied by abandoned cars, parts, and debris. Earlier site investigation indicated surface soil contamination. Subsequent field investigation conducted in October 1992 in conjunction with CalTrans activities revealed the presence of the following contaminants in the soil: total recoverable petroleum hydrocarbons (TPRH) as high as 138,000 ppm; Approximate volume of contaminated soil is 950 cubic yards. Additional site characterization is necessary.  
 Not reported

83  
 WNW  
 1/2-1  
 3624  
 Higher

**PEERLESS COFFEE**  
**225 FALLON ST**  
**OAKLAND, CA 94577**

**Cortese**  
**LUST**

**S102435051**  
**N/A**

State LUST:

Cross Street: Not reported  
 Reg Board: San Francisco Bay Region Qty Leaked: Not reported  
 Chemical: Gasoline  
 Lead Agency: Local Agency  
 Case Type: Other ground water affected  
 Status: Signed off, remedial action completed or deemed unnecessary  
 County: Alameda  
 Abate Method: Excavate and Dispose - remove contaminated soil and dispose in approved site  
 Review Date: 01/20/2000 Confirm Leak: Not reported  
 Workplan: Not reported Prelim Assess: 6/13/91  
 Pollution Char: Not reported Remed Plan: Not reported  
 Remed Action: Not reported Monitoring: Not reported  
 Close Date: 12/8/99 Release Date: 12/13/1988

LUST Region 2:

Region: 2  
 Facility Id: 01-1146  
 Entered Date: 09/21/91  
 Facility Status: Signed off, remedial action completed or deemed unnecessary  
 Maximum Soil Concentration: 500  
 Maximum Groundwater Impact: 4600  
 Current Benzene: 32  
 Current MTBE : 27  
 Maximum MTBE Groundwater: 27  
 MTBE Quali: Not reported

LUST Alameda County:

Region: ALAMEDA  
 Facility Type: O  
 Status: Inactive  
 Case Closed: Yes  
 Contact: George Vukasin  
 Contact Company: Peerless Coffee  
 Case Closed Date: 12/08/1999

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation

MAP FINDINGS

**PEERLESS COFFEE (Continued)**

EDR ID Number  
 EPA ID Number

Database(s)

Clean Up Fund Date: Not reported

**S102435051**

**CORTESE:**

Reg By: LTNKA  
 Reg Id: 01-1146  
 Region: CORTESE

**84  
 NE  
 1/2-1  
 3817  
 Higher**

**LIPS PROPELLERS  
 1899 7TH AVE  
 OAKLAND, CA 00000**

**HAZNET  
 Cal-Sites**

**S100938943  
 N/A**

**CAL-SITES:**

Facility ID: 01350121  
 Status: VCP - VOLUNTARY CLEANUP PROGRAM (VCP)  
 Status Date: 05/10/1994  
 Lead: DTSC  
 Region: 2 - BERKELEY  
 Branch: NC - NORTH COAST  
 File Name: LIPS PROPELLERS  
 Status Name: VOLUNTARY CLEANUP PROGRAM  
 Lead Agency: DEPT OF TOXIC SUBSTANCES CONTROL  
 NPL: Not Listed  
 SIC: 35 MANU - INDUSTRIAL MACHINERY & EQUIPMENT  
 Facility Type: VCP  
 Type Name: VOLUNTARY CLEANUP PROGRAM  
 Staff Member Responsible for Site: Not reported  
 Supervisor Responsible for Site: LNAKASHI  
 Region Water Control Board: SF - SAN FRANCISCO BAY  
 Access: Controlled  
 Cortese: C  
 Hazardous Ranking Score: Not reported  
 Date Site Hazard Ranked: Not reported  
 Groundwater Contamination: Confirmed  
 No. of Contamination Sources: 0.00000  
 Lat/Long: 0.00000° 0.00000° 0.00000" / 0.00000° 0.00000° 0.00000"  
 Lat/long Method: Not reported  
 State Assembly District Code: 16  
 State Senate District: 9

**Activity:**  
 Activity: CHP65  
 Activity Name: AMENDED ORDER/AGREEMENT, CHAPTER 6.5 TRANSITION  
 AWP Code: VCA  
 Proposed Budget: 0.00000  
 AWP Completion Date: Not reported  
 Revised Due Date: Not reported  
 Comments Date: 01/07/1999  
 Est Person-Years to complete: 0.00000  
 Estimated Size: Not reported  
 Request to Delete Activity: Not reported  
 Activity Status: VCP  
 Definition of Status: VOLUNTARY CLEANUP PROGRAM  
 Solids Removed (Cubic Yards): 0.00000  
 Solids Treated (Cubic Yards): 0.00000  
 Liquids Removed (Gals): 0.00000  
 Liquids Treated (Gals): 0.00000  
 Action Included Capping: Not reported  
 Well Decommissioned: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

LIPS PROPELLERS (Continued)

S100938943

Action Included Fencing: Not reported  
Removal Action Certification: Not reported  
Acres Available Upon Completion Of Activity  
For Commercial Reuse: 0.00000  
For Industrial Reuse: 0.00000  
For Residential Reuse: 0.00000  
Unknown Type: 0.00000  
Activity Comments: Not reported  
Activity: CERT  
Activity Name: CERTIFICATION  
AWP Code: Not reported  
Proposed Budget: 0.00000  
AWP Completion Date: 07/31/2000  
Revised Due Date: Not reported  
Comments Date: Not reported  
Est Person-Years to complete: 0.00000  
Estimated Size: Not reported  
Request to Delete Activity: Not reported  
Activity Status: VCP  
Definition of Status: VOLUNTARY CLEANUP PROGRAM  
Solids Removed (Cubic Yards): 0.00000  
Solids Treated (Cubic Yards): 0.00000  
Liquids Removed (Gals): 0.00000  
Liquids Treated (Gals): 0.00000  
Action Included Capping: Not reported  
Well Decommissioned: Not reported  
Action Included Fencing: Not reported  
Removal Action Certification: Not reported  
Acres Available Upon Completion Of Activity  
For Commercial Reuse: 0.00000  
For Industrial Reuse: 0.00000  
For Residential Reuse: 0.00000  
Unknown Type: 0.00000  
Activity Comments: Not reported  
Activity: RMDL  
Activity Name: REMEDIAL ACTION (RAP REQUIRED)  
AWP Code: Not reported  
Proposed Budget: 0.00000  
AWP Completion Date: 07/30/2000  
Revised Due Date: Not reported  
Comments Date: Not reported  
Est Person-Years to complete: 0.00000  
Estimated Size: Not reported  
Request to Delete Activity: Not reported  
Activity Status: VCP  
Definition of Status: VOLUNTARY CLEANUP PROGRAM  
Solids Removed (Cubic Yards): 0.00000  
Solids Treated (Cubic Yards): 0.00000  
Liquids Removed (Gals): 0.00000  
Liquids Treated (Gals): 0.00000  
Action Included Capping: Not reported  
Well Decommissioned: Not reported  
Action Included Fencing: Not reported  
Removal Action Certification: Not reported  
Acres Available Upon Completion Of Activity  
For Commercial Reuse: 0.00000

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

LIPS PROPELLERS (Continued)

S100938943

For Industrial Reuse: 0.00000  
For Residential Reuse: 0.00000  
Unknown Type: 0.00000  
Activity Comments: Not reported

Activity: RAP  
Activity Name: REMEDIAL ACTION PLAN / RECORD OF DECISION  
AWP Code: Not reported  
Proposed Budget: 0.00000  
AWP Completion Date: Not reported  
Revised Due Date: Not reported  
Comments Date: 08/14/1995  
Est Person-Years to complete: 0.00000  
Estimated Size: Not reported  
Request to Delete Activity: Not reported  
Activity Status: VCP  
Definition of Status: VOLUNTARY CLEANUP PROGRAM  
Solids Removed (Cubic Yards): 0.00000  
Solids Treated (Cubic Yards): 0.00000  
Liquids Removed (Gals): 0.00000  
Liquids Treated (Gals): 0.00000  
Action Included Capping: Not reported  
Well Decommissioned: Not reported  
Action Included Fencing: Not reported  
Removal Action Certification: Not reported  
Acres Available Upon Completion Of Activity  
For Commercial Reuse: 0.00000  
For Industrial Reuse: 0.00000  
For Residential Reuse: 0.00000  
Unknown Type: 0.00000  
Activity Comments: Not reported

Activity: PEA  
Activity Name: PRELIMINARY ENDANGERMENT ASSESSMENT  
AWP Code: Not reported  
Proposed Budget: 0.00000  
AWP Completion Date: Not reported  
Revised Due Date: Not reported  
Comments Date: 07/21/1995  
Est Person-Years to complete: 0.00000  
Estimated Size: Not reported  
Request to Delete Activity: Not reported  
Activity Status: VCP  
Definition of Status: VOLUNTARY CLEANUP PROGRAM  
Solids Removed (Cubic Yards): 0.00000  
Solids Treated (Cubic Yards): 0.00000  
Liquids Removed (Gals): 0.00000  
Liquids Treated (Gals): 0.00000  
Action Included Capping: Not reported  
Well Decommissioned: Not reported  
Action Included Fencing: Not reported  
Removal Action Certification: Not reported  
Acres Available Upon Completion Of Activity  
For Commercial Reuse: 0.00000  
For Industrial Reuse: 0.00000  
For Residential Reuse: 0.00000  
Unknown Type: 0.00000  
Activity Comments: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

LIPS PROPELLERS (Continued)

S100938943

Activity: RIFS  
Activity Name: REMEDIAL INVESTIGATION / FEASIBILITY STUDY  
AWP Code: Not reported  
Proposed Budget: 0.00000  
AWP Completion Date: Not reported  
Revised Due Date: Not reported  
Comments Date: 07/03/1995  
Est Person-Years to complete: 0.00000  
Estimated Size: Not reported  
Request to Delete Activity: Not reported  
Activity Status: VCP  
Definition of Status: VOLUNTARY CLEANUP PROGRAM  
Solids Removed (Cubic Yards): 0.00000  
Solids Treated (Cubic Yards): 0.00000  
Liquids Removed (Gals): 0.00000  
Liquids Treated (Gals): 0.00000  
Action Included Capping: Not reported  
Well Decommissioned: Not reported  
Action Included Fencing: Not reported  
Removal Action Certification: Not reported  
Acres Available Upon Completion Of Activity  
For Commercial Reuse: 0.00000  
For Industrial Reuse: 0.00000  
For Residential Reuse: 0.00000  
Unknown Type: 0.00000  
Activity Comments: Not reported

Activity: ORDER  
Activity Name: I/SE, IORSE, FFA, FFSRA, VCA, EA  
AWP Code: VCA  
Proposed Budget: 0.00000  
AWP Completion Date: Not reported  
Revised Due Date: Not reported  
Comments Date: 05/10/1994  
Est Person-Years to complete: 0.00000  
Estimated Size: Not reported  
Request to Delete Activity: Not reported  
Activity Status: VCP  
Definition of Status: VOLUNTARY CLEANUP PROGRAM  
Solids Removed (Cubic Yards): 0.00000  
Solids Treated (Cubic Yards): 0.00000  
Liquids Removed (Gals): 0.00000  
Liquids Treated (Gals): 0.00000  
Action Included Capping: Not reported  
Well Decommissioned: Not reported  
Action Included Fencing: Not reported  
Removal Action Certification: Not reported  
Acres Available Upon Completion Of Activity  
For Commercial Reuse: 0.00000  
For Industrial Reuse: 0.00000  
For Residential Reuse: 0.00000  
Unknown Type: 0.00000  
Activity Comments: Not reported

Activity: SS  
Activity Name: Not reported  
AWP Code: Not reported  
Proposed Budget: 0.00000

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

LIPS PROPELLERS (Continued)

S100938943

AWP Completion Date: Not reported  
Revised Due Date: Not reported  
Comments Date: 10/26/1992  
Est Person-Years to complete: 0.00000  
Estimated Size: Not reported  
Request to Delete Activity: Not reported  
Activity Status: VCP  
Definition of Status: VOLUNTARY CLEANUP PROGRAM  
Solids Removed (Cubic Yards): 0.00000  
Solids Treated (Cubic Yards): 0.00000  
Liquids Removed (Gals): 0.00000  
Liquids Treated (Gals): 0.00000  
Action Included Capping: Not reported  
Well Decommissioned: Not reported  
Action Included Fencing: Not reported  
Removal Action Certification: Not reported  
Acres Available Upon Completion Of Activity  
For Commercial Reuse: 0.00000  
For Industrial Reuse: 0.00000  
For Residential Reuse: 0.00000  
Unknown Type: 0.00000  
Activity Comments: Not reported

All Site Names Associated with Site: LIPS PROPELLERS  
CYPRESS RECONSTRUCTION

All Street Addresses: 1899 7TH STREET  
OAKLAND, CA 94607

Background: Lips Propellers (LIPS) is one of the sites in the Cypress Freeway Reconstruction. It has been in operation at this site since 1951. LIPS is involved in the manufacture of propellers for various uses. Historical information indicated that leaks have occurred around a compressor located in the rear of the property. During a site reconnaissance in May 1992, soil staining was observed in the vicinity of the compressor location. Two sumps underlain by a wood floor were also observed near the compressor and believed to be used for disposal of excess oil. In June 1992, Caltrans initiated site investigation, sampling activities, soil and groundwater analysis. Soil samples showed presence of the following contaminants: TPH as high as 45,000 ppm; copper (310 ppm); and lead (1,100 ppm). Groundwater samples show presence of the following contaminants: total petroleum hydrocarbons (TPH) as high as 30 ppm (suspected from leakage from USTs pipes) arsenic (2 ppm); barium (18 ppm); cadmium (0.94 ppm); chromium (8.7 ppm); copper (4.6 ppm); and lead (6.7 ppm).

Id Name: Not reported  
Id Value: Not reported

Special Programs:  
Program Name: Not reported  
Program Code: Not reported  
Comments:  
Not reported



Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
 EPA ID Number

**LIPS PROPELLERS (Continued)**

**S100938943**

**HAZNET:**

Gepaid:	CAL000038482	Tepaid:	CAD009452657
Contact:	GREGORY COLE	Telephone:	(510) 451-8219
Gen County:	41	Tsd County:	San Mateo
Tons:	1.3759		
Category:	Aqueous solution with 10% or more total organic residues		
Disposal Method:	Disposal, Other		
Mailing Address:	1899 SEVENTH ST OAKLAND, CA 94607		
County	1		

85  
 WNW  
 1/2-1  
 3871  
 Higher

**VUKASIM PROPERTY  
 54 EMBARCADERO  
 OAKLAND, CA**

**Cortese  
 LUST**

**S102440985  
 N/A**

**State LUST:**

Cross Street:	Not reported	Qty Leaked:	Not reported
Reg Board:	San Francisco Bay Region		
Chemical:	Gasoline		
Lead Agency:	Local Agency		
Case Type:	Other ground water affected		
Status:	Leak being confirmed		
County:	Alameda		
Abate Method:	No Action Taken - no action has as yet been taken at the site		
Review Date:	04/06/1990	Confirm Leak:	12/30/88
Workplan:	Not reported	Prelim Assess:	Not reported
Pollution Char:	Not reported	Remed Plan:	Not reported
Remed Action:	Not reported	Monitoring:	Not reported
Close Date:	Not reported	Release Date:	12/30/1988

**LUST Region 2:**

Region:	2
Facility Id:	01-1564
Entered Date:	12/30/88
Facility Status:	Leak being confirmed
Maximum Soil Concentration:	Not reported
Maximum Groundwater Impact:	Free product in the well
Current Benzene:	Not reported
Current MTBE :	Not reported
Maximum MTBE Groundwater:	Not reported
MTBE Quali:	Not reported

**CORTESE:**

Reg By:	LTNKA
Reg Id:	01-1564
Region:	CORTESE

86  
 WNW  
 1/2-1  
 3894  
 Higher

**A/O VICTORY COURT / FALLON STREET  
 OAKLAND, CA 94607**

**CHMIRS**

**S100276514  
 N/A**

**MAP FINDINGS**

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

**(Continued)**

**S100276514**

**CHMIRS:**

OES Control Number:	9099734	DOT ID:	Not reported
DOT Hazard Class:	Not Reported		
Chemical Name:	NONE		
Extent of Release:	Not reported		
CAS Number:	Not reported	Quantity Released:	0
Environmental Contamination:	None Reported	Property Use:	County/City Road
Incident Date:	14-DEC-90	Date Completed:	14-DEC-90

**87  
NW  
1/2-1  
3940  
Higher**

**LANEY COLLEGE  
600 FALLON STREET  
OAKLAND, CA 92626**

**Notify 65**

**U000057248  
N/A**

**NOTIFY 65:**

Date Reported:	Not reported	Staff Initials:	Not reported
Board File Number:	Not reported		
Facility Type:	Not reported		
Discharge Date:	Not reported		
Incident Description:	92626		

**88  
ESE  
1/2-1  
3943  
Higher**

**1832 E-12 STREET  
OAKLAND, CA 94606**

**CHMIRS**

**S100221750  
N/A**

**CHMIRS:**

OES Control Number:	9099737	DOT ID:	Not reported
DOT Hazard Class:	Not Reported		
Chemical Name:	OIL SHEEN		
Extent of Release:	Not reported		
CAS Number:	Not reported	Quantity Released:	0
Environmental Contamination:	None Reported	Property Use:	Not reported
Incident Date:	18-DEC-90	Date Completed:	18-DEC-90

**89  
SSE  
1/2-1  
4011  
Higher**

**GRAND MARINA INC  
2099 GRAND ST  
ALAMEDA, CA 94501**

**Cortese  
LUST**

**S101293369  
N/A**

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

GRAND MARINA INC (Continued)

S101293369

State LUST:

Cross Street: Not reported  
Reg Board: San Francisco Bay Region Qty Leaked: Not reported  
Chemical: Gasoline  
Lead Agency: Local Agency  
Case Type: Other ground water affected  
Status: Signed off, remedial action completed or deemed unnecessary  
County: Alameda  
Abate Method: Excavate and Dispose - remove contaminated soil and dispose in approved site  
Review Date: 05/17/1999 Confirm Leak: 3/20/92  
Workplan: Not reported Prelim Assess: 6/1/92  
Pollution Char: Not reported Remed Plan: Not reported  
Remed Action: Not reported Monitoring: Not reported  
Close Date: 3/16/99 Release Date: 05/24/1988

LUST Region 2:

Region: 2  
Facility Id: 01-0288  
Entered Date: 02/09/93  
Facility Status: Signed off, remedial action completed or deemed unnecessary  
Maximum Soil Concentration: 12000  
Maximum Groundwater Impact: 29000  
Current Benzene: ND  
Current MTBE : Not reported  
Maximum MTBE Groundwater: Not reported  
MTBE Quali: Not reported

LUST Alameda County:

Region: ALAMEDA  
Facility Type: O  
Status: Inactive  
Case Closed: Yes  
Contact: Manager  
Contact Company: Grand Marina  
Case Closed Date: 03/23/1999  
Clean Up Fund Date: 19981217

CORTESE:

Reg By: LTNKA  
Reg Id: 01-0288  
Region: CORTESE

90  
ESE  
1/2-1  
4043  
Higher

KNOWN  
1755 EMBARCADECO EAST  
OAKLAND, CA 92626

Notify 65 S100178934  
N/A

NOTIFY 65:

Date Reported: Not reported Staff Initials: Not reported  
Board File Number: Not reported  
Facility Type: Not reported  
Discharge Date: Not reported  
Incident Description: 92626



Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
 EPA ID Number

**YUEN'S AUTOMOTIVE (Continued)**

**S102441460**

CORTESE:  
 Reg By: LTNKA  
 Reg Id: 01-1692  
 Region: CORTESE

95  
 South  
 1/2-1  
 4315  
 Higher

**ENCINAL MARINA**  
**2051 GRAND ST**  
**ALAMEDA, CA 94501**

**Cortese**  
**LUST**

**S101306278**  
**N/A**

State LUST:  
 Cross Street: Not reported  
 Reg Board: San Francisco Bay Region Qty Leaked: Not reported  
 Chemical: Gasoline  
 Lead Agency: Local Agency  
 Case Type: Other ground water affected  
 Status: Preliminary site assessment workplan submitted  
 County: Alameda  
 Abate Method: No Action Taken - no action has as yet been taken at the site  
 Review Date: 04/04/1990 Confirm Leak: Not reported  
 Workplan: 6/12/87 Prelim Assess: Not reported  
 Pollution Char: Not reported Remed Plan: Not reported  
 Remed Action: Not reported Monitoring: Not reported  
 Close Date: Not reported Release Date: 08/03/1987

LUST Region 2:  
 Region: 2  
 Facility Id: 01-0565  
 Entered Date: 08/03/87  
 Facility Status: Preliminary site assessment workplan submitted  
 Maximum Soil Concentration: 31000  
 Maximum Groundwater Impact: Free product in the well  
 Current Benzene: Not reported  
 Current MTBE : Not reported  
 Maximum MTBE Groundwater: Not reported  
 MTBE Quali: Not reported

CORTESE:  
 Reg By: LTNKA  
 Reg Id: 01-0565  
 Region: CORTESE

96  
 SW  
 1/2-1  
 4354  
 Higher

**MARINA VILLAGE**  
**2051 SHERMAN ST**  
**ALAMEDA, CA 94501**

**Cortese**  
**LUST**

**S102433003**  
**N/A**

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
 EPA ID Number

**MARINA VILLAGE (Continued)**

**S102433003**

State LUST:

Cross Street:	Not reported	
Reg Board:	San Francisco Bay Region	Qty Leaked: Not reported
Chemical:	Diesel	
Lead Agency:	Local Agency	
Case Type:	Other ground water affected	
Status:	Pollution characterization	
County:	Alameda	
Abate Method:	Replace Supply - provide alternative water supply to affected parties, Replace Supply - provide alternative water supply to affected parties	
Review Date:	08/07/1989	Confirm Leak: Not reported
Workplan:	Not reported	Prelim Assess: 8/15/88
Pollution Char:	3/10/89	Remed Plan: Not reported
Remed Action:	Not reported	Monitoring: Not reported
Close Date:	Not reported	Release Date: 08/12/1988

LUST Region 2:

Region:	2
Facility Id:	01-0938
Entered Date:	08/12/88
Facility Status:	Pollution characterization
Maximum Soil Concentration:	28000
Maximum Groundwater Impact:	Free product in the well
Current Benzene:	Not reported
Current MTBE :	Not reported
Maximum MTBE Groundwater:	Not reported
MTBE Quali:	Not reported

CORTESE:

Reg By:	LTNKA
Reg Id:	01-0938
Region:	CORTESE

97  
 WNW  
 1/2-1  
 4390  
 Higher

**LAKESIDE NON-FERROUS METALS CORP**  
**412 MADISON STREET**  
**OAKLAND, CA 94607**

Cal-Sites **S102006207**  
 N/A

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

LAKESIDE NON-FERROUS METALS CORP (Continued)

S102008207

CAL-SITES:

Facility ID 01350115  
Status: PEAR - PRELIMINARY ENDANGERMENT ASSESSMENT (PEA) REQUIRED  
Status Date: 06/08/1994  
Lead: Not reported  
Region: 2 - BERKELEY  
Branch: NC - NORTH COAST  
File Name: Not reported  
Status Name: PRELIMINARY ENDANGERMENT ASSESSMENT REQUIRED  
Lead Agency: N/A  
NPL: Not reported  
SIC: 35 MANU - INDUSTRIAL MACHINERY & EQUIPMENT  
Facility Type: Not reported  
Type Name: N/A  
Staff Member Responsible for Site: Not reported  
Supervisor Responsible for Site: Not reported  
Region Water Control Board: SF - SAN FRANCISCO BAY  
Access: Not reported  
Cortese: Not reported  
Hazardous Ranking Score: Not reported  
Date Site Hazard Ranked: Not reported  
Groundwater Contamination: Not reported  
No. of Contamination Sources: 0.00000  
Lat/Long: 0.00000° 0.00000° 0.00000° / 0.00000° 0.00000° 0.00000°  
Lat/long Method: Not reported  
State Assembly District Code: Not reported  
State Senate District: Not reported  
Activity:  
Activity: SS  
Activity Name: Not reported  
AWP Code: Not reported  
Proposed Budget: 0.00000  
AWP Completion Date: Not reported  
Revised Due Date: Not reported  
Comments Date: 06/01/1987  
Est Person-Years to complete: 0.00000  
Estimated Size: Not reported  
Request to Delete Activity: Not reported  
Activity Status: PEAR  
Definition of Status: PRELIMINARY ENDANGERMENT ASSESSMENT REQUIRED  
Solids Removed (Cubic Yards): 0.00000  
Solids Treated (Cubic Yards): 0.00000  
Liquids Removed (Gals): 0.00000  
Liquids Treated (Gals): 0.00000  
Action Included Capping: Not reported  
Well Decommissioned: Not reported  
Action Included Fencing: Not reported  
Removal Action Certification: Not reported  
Acres Available Upon Completion Of Activity  
For Commercial Reuse: 0.00000  
For Industrial Reuse: 0.00000  
For Residential Reuse: 0.00000  
Unknown Type: 0.00000  
Activity Comments: Not reported

All Site Names Associated with Site: LAKESIDE NON-FERROUS METALS CORP

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
 EPA ID Number

**LAKESIDE NON-FERROUS METALS CORP (Continued)**

**S102008207**

All Street Addresses: 412 MADISON STREET  
 OAKLAND, CA 94607

Background: Not reported  
 Id Name: HWIS IDENTIFICATION CODE  
 Id Value: CAD028797561

Special Programs:  
 Program Name: Not reported  
 Program Code: Not reported

Comments:  
 Date: 05/31/1981  
 Comment: FACILITY DRIVE-BY ID BY ASP DRIVEBY  
 INSPECTION(STATE) 1 SOIL SAMPLE COLLECTED  
  
 Date: 09/18/1981  
 Comment: SAMPLE RESULTS SAMPLE: HEAVY METAL CONTAMINATION  
  
 Date: 09/30/1981  
 Comment: FINAL STRATEGY SITE REFERRED: TO HMMS/ENF

Date: 06/01/1987  
 Comment: SITE SCREENING DONE SOURCE ACTIVITY: ACTIVE METAL JUNK YARD.  
 RATIONALE FOR PA: SOLUBLE COPPER, ZINC &  
 LEAD IN LEVELS IN EXCESS OF THE CAM  
 LIMITS WERE DETECTED IN THE SOIL.  
 EVIDENCE OF ONSITE CONTAMINATION NEEDS  
 TO BE CHECKED AND VERIFIED.

Date: 09/01/1987  
 Comment: REPORTED FOR PROP65

Date: 01/01/1988  
 Comment: ON CORTESE LIST

Date: 10/28/1999  
 Comment: Site Screening:  
 This site is predominately paved. In this area groundwater  
 is not used fro drinking. However, soil samples show elevated  
 concentrations of metals, so DTSC will follow-up on the need for  
 deed restrictions or capping.

98  
 WNW  
 1/2-1  
 4426  
 Higher

**PE O'HAIR & COMPANY**  
**339 3RD ST**  
**OAKLAND, CA**

**Cortese**  
**LUST**

**S102434797**  
**N/A**

State LUST:

Cross Street:	Not reported	Qty Leaked:	Not reported
Reg Board:	San Francisco Bay Region		
Chemical:	Gasoline		
Lead Agency:	Local Agency		
Case Type:	Soil only		
Status:	Leak being confirmed		
County:	Alameda		
Abate Method:	No Action Taken - no action has as yet been taken at the site		
Review Date:	09/08/1994	Confirm Leak:	1/20/96
Workplan:	Not reported	Prelim Assess:	Not reported
Pollution Char:	Not reported	Remed Plan:	Not reported
Remed Action:	Not reported	Monitoring:	Not reported
Close Date:	Not reported	Release Date:	01/20/1990



Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

**MAP FINDINGS**

Database(s) EDR ID Number  
 EPA ID Number

**PE O'HAIR & COMPANY (Continued)**

**S102434797**

LUST Region 2:  
 Region: 2  
 Facility Id: 01-0838  
 Entered Date: 10/28/92  
 Facility Status: Leak being confirmed  
 Maximum Soil Concentration: 1400  
 Maximum Groundwater Impact: Not reported  
 Current Benzene: Not reported  
 Current MTBE : Not reported  
 Maximum MTBE Groundwater: Not reported  
 MTBE Quali: Not reported

CORTESE:  
 Reg By: LTNKA  
 Reg Id: 01-0838  
 Region: CORTESE

99  
 South  
 1/2-1  
 4558  
 Higher

**PENNZOIL COMPANY**  
**2015 GRAND STREET**  
**ALAMEDA, CA 94501**

Cal-Sites **S102008176**  
 N/A

CAL-SITES:  
 Facility ID 01290012  
 Status: REFRW - DOES NOT REQUIRE DTSC ACTION. REFERRED TO REGIONAL WATER QUALITY CONTROLBOARD (RWQCB) LEAD  
 Status Date: 06/08/1994  
 Lead: Not reported  
 Region: 2 - BERKELEY  
 Branch: NC - NORTH COAST  
 File Name: Not reported  
 Status Name: PROPERTY/SITE REFERRED TO RWQCB  
 Lead Agency: N/A  
 NPL: Not reported  
 SIC: 29 MANU - PETROLEUM & COAL PRODUCTS  
 Facility Type: Not reported  
 Type Name: N/A  
 Staff Member Responsible for Site: Not reported  
 Supervisor Responsible for Site: Not reported  
 Region Water Control Board: SF - SAN FRANCISCO BAY  
 Access: Controlled  
 Cortese: C  
 Hazardous Ranking Score: Not reported  
 Date Site Hazard Ranked: Not reported  
 Groundwater Contamination: Not reported  
 No. of Contamination Sources: 0.00000  
 Lat/Long: 0.00000° 0.00000° 0.00000° / 0.00000° 0.00000° 0.00000°  
 Lat/long Method: Not reported  
 State Assembly District Code: Not reported  
 State Senate District: Not reported  
 Activity:  
 Activity: Not reported  
 Activity Name: Not reported  
 AWP Code: Not reported  
 Proposed Budget: 0.00000  
 AWP Completion Date: Not reported  
 Revised Due Date: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

PENNZOIL COMPANY (Continued)

S102008176

Comments Date: Not reported  
Est Person-Years to complete: 0.00000  
Estimated Size: Not reported  
Request to Delete Activity: Not reported  
Activity Status: Not reported  
Definition of Status: Not reported  
Solids Removed (Cubic Yards): 0.00000  
Solids Treated (Cubic Yards): 0.00000  
Liquids Removed (Gals): 0.00000  
Liquids Treated (Gals): 0.00000  
Action Included Capping: Not reported  
Well Decommissioned: Not reported  
Action Included Fencing: Not reported  
Removal Action Certification: Not reported  
Acres Available Upon Completion Of Activity  
For Commercial Reuse: 0.00000  
For Industrial Reuse: 0.00000  
For Residential Reuse: 0.00000  
Unknown Type: 0.00000  
Activity Comments: Not reported

All Site Names Associated with Site: PENNZOIL COMPANY  
PENNZOIL PRODUCTS COMPANY

All Street Addresses: 2015 GRAND STREET  
ALAMEDA, CA 94501

Background: Not reported  
Id Name: HWIS IDENTIFICATION CODE  
Id Value: CAD981688021

Special Programs:  
Program Name: CERCLA 104  
Program Code: C104

Comments:  
Date: 01/01/1978  
Comment: PERMIT(OTHER) RWQCB. NPDES PERMIT. REQ SELF MONITORING  
FOR OIL & GREASE.

Date: 06/19/1980  
Comment: PERMIT(OTHER) PERMIT: NPDES 402 - 0028401  
INSPECTION(STATE) DHS/ASP. ON SITE DISP PROBLEM.  
INSPECTED-ON SITE DISPOSAL  
HAULER: IT CORP, 4575 PACHECO BLVD,  
MARTINEZ.

Date: 06/24/1980  
Comment: FINAL STRATEGY SITE REFERRED: TO HMMS-ENF

Date: 04/13/1981  
Comment: INSPECTION(STATE) RWQCB. COMPLI MONITORING INSP.

Date: 05/11/1982  
Comment: INSPECTION(STATE) DHS/ASP. F-U INSP. NO PROBLEM.

Date: 04/01/1986  
Comment: T/C W/R.HAGAN,PENNZOIL,415-522-4224,3/31  
/86 - SOURCE ACT: BLENDING/PACKAGING OF  
LUBRICATING & MOTOR OIL.YR OF OPER:1953  
TO PRESENT. FAC TYPE : BEFORE 1973 ON-  
SITE DISP OF PAINT SLUDGE(H2O BASE),OIL.  
RWQCB HAS CONTINUED TO MOINTOR.

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
 EPA ID Number

**PENNZOIL COMPANY (Continued)**

**S102008176**

Date: 04/30/1986  
 Comment: SUBMIT TO EPA  
 Date: 09/01/1987  
 Comment: REPORTED FOR PROP65  
 Date: 01/01/1988  
 Comment: ON CORTESE LIST

**100  
 ESE  
 1/2-1  
 4567  
 Higher**

**SILVEIRA PROPERTY  
 1200 20TH AVE  
 OAKLAND, CA**

**Cortese**

**S102437547  
 N/A**

CORTESE:  
 Reg By: LTNKA  
 Reg Id: 01-2066  
 Region: CORTESE

**101  
 WSW  
 1/2-1  
 4662  
 Higher**

**#2 PACIFIC MARINA  
 ALAMEDA, CA 94501**

**CHMIRS**

**S100281358  
 N/A**

CHMIRS:  
 OES Control Number: 9992502 DOT ID: 1760  
 DOT Hazard Class: Corrosives  
 Chemical Name: ACID, NITRIC  
 Extent of Release: Not reported  
 CAS Number: 7697-37-2 Quantity Released: 1002  
 Environmental Contamination: None Reported Property Use: Public Assembly  
 Incident Date: 17-DEC-88 Date Completed: 17-DEC-88

**102  
 South  
 1/2-1  
 4738  
 Higher**

**OAKLAND GAS LIGHT AND COKE  
 1719 CLEMENT AVE.  
 ALAMEDA, CA 94501**

**Coal Gas**

**G000000718  
 N/A**

COAL GAS SITE DESCRIPTION:  
 1897 Oakland Gas Light and Heat Co. is located on north side of Clement Ave. bet and Union.  
 By 1935, gas plant is not there.

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**R103  
 WNW  
 1/2-1  
 4755  
 Higher**

**EAST BAY PACKING COMPANY  
 208 JACKSON ST  
 OAKLAND, CA 94607**

**UST  
 Cortese  
 LUST**

**U001599171  
 N/A**

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
 EPA ID Number

**ALAMEDA UNIFIED SCHOOL SITE (PROPOSED) (Continued)**

**S104384566**

**CAL-SITES:**

Facility ID 01420130  
 Status: VCP - VOLUNTARY CLEANUP PROGRAM (VCP)  
 Status Date: 01/28/2000  
 Lead: DTSC  
 Region: 2 - BERKELEY  
 Branch: NC - NORTH COAST  
 File Name: ALAMEDA UNIFIED PROPOSED SCHOOL SITE  
 Status Name: VOLUNTARY CLEANUP PROGRAM  
 Lead Agency: DEPT OF TOXIC SUBSTANCES CONTROL  
 NPL: Not Listed  
 SIC: 42 TRUCKING & WAREHOUSING  
 Facility Type: PSCHL  
 Type Name: PROPOSED SCHOOL SITE PROPERTY  
 Staff Member Responsible for Site: JNAITO  
 Supervisor Responsible for Site: JNAITO  
 Region Water Control Board: SF - SAN FRANCISCO BAY  
 Access: Not reported  
 Cortese: Not reported  
 Hazardous Ranking Score: Not reported  
 Date Site Hazard Ranked: Not reported  
 Groundwater Contamination: Not reported  
 No. of Contamination Sources: 0.00000  
 Lat/Long: 0.00000° 0.00000' 0.00000" / 0.00000° 0.00000' 0.00000"  
 Lat/long Method: Not reported  
 State Assembly District Code: 16  
 State Senate District: 9

**Activity:**

Activity: PEA  
 Activity Name: PRELIMINARY ENDANGERMENT ASSESSMENT  
 AWP Code: Not reported  
 Proposed Budget: 0.00000  
 AWP Completion Date: Not reported  
 Revised Due Date: 09/30/2000  
 Comments Date: Not reported  
 Est Person-Years to complete: 0.00000  
 Estimated Size: Not reported  
 Request to Delete Activity: Not reported  
 Activity Status: VCP  
 Definition of Status: VOLUNTARY CLEANUP PROGRAM  
 Solids Removed (Cubic Yards): 0.00000  
 Solids Treated (Cubic Yards): 0.00000  
 Liquids Removed (Gals): 0.00000  
 Liquids Treated (Gals): 0.00000  
 Action Included Capping: Not reported  
 Well Decommissioned: Not reported  
 Action included Fencing: Not reported  
 Removal Action Certification: Not reported  
 Acres Available Upon Completion Of Activity  
 For Commercial Reuse: 0.00000  
 For Industrial Reuse: 0.00000  
 For Residential Reuse: 0.00000  
 Unknown Type: 0.00000  
 Activity Comments: Not reported

Activity: ORDER  
 Activity Name: I/SE, IORSE, FFA, FFSRA, VCA, EA

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

**MAP FINDINGS**

Database(s) EDR ID Number  
EPA ID Number

**ALAMEDA UNIFIED SCHOOL SITE (PROPOSED) (Continued)**

**S104384566**

AWP Code: VCA  
Proposed Budget: 0.00000  
AWP Completion Date: Not reported  
Revised Due Date: Not reported  
Comments Date: 02/15/2000  
Est Person-Years to complete: 0.00000  
Estimated Size: Not reported  
Request to Delete Activity: Not reported  
Activity Status: VCP  
Definition of Status: VOLUNTARY CLEANUP PROGRAM  
Solids Removed (Cubic Yards): 0.00000  
Solids Treated (Cubic Yards): 0.00000  
Liquids Removed (Gals): 0.00000  
Liquids Treated (Gals): 0.00000  
Action Included Capping: Not reported  
Well Decommissioned: Not reported  
Action Included Fencing: Not reported  
Removal Action Certification: Not reported  
Acres Available Upon Completion Of Activity  
For Commercial Reuse: 0.00000  
For Industrial Reuse: 0.00000  
For Residential Reuse: 0.00000  
Unknown Type: 0.00000  
Activity Comments: Not reported

All Site Names Associated with Site: POTENTIAL ALAMEDA UNIFIED SCHOOL SITE  
ALAMEDA UNIFIED SCHOOL SITE (PROPOSED)  
ALAMEDA UNIFIED PROPOSED SCHOOL SITE

All Street Addresses: 1527 BUENA VISTA AVENUE  
ALAMEDA, CA 94501

Background: The 6.4 acre Site is located in a manufacturing/industrial area in the approximately center of a property known commonly as Encinal Terminals. It is currently occupied by a shipping container business. The site is asphalt covered and is occupied by maintenance buildings, a wash rack, and a fueling station containing an aboveground fuel storage tank. An informal network of roadways traverse the subject property allowing for the movement of trucks and other equipment. Sampling conducted at the Site indicated that the soil may contain gasoline and diesel.

Id Name: Not reported  
Id Value: Not reported

Special Programs:  
Program Name: Not reported  
Program Code: Not reported  
Comments: Not reported

S105  
WNW  
1/2-1  
4769  
Higher

UNITED BEVERAGE DISTRIBUTORS  
105 JACKSON ST  
OAKLAND, CA 94607

UST  
Cortese  
LUST

U001599231  
N/A

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

UNITED BEVERAGE DISTRIBUTORS (Continued)

U001599231

State LUST:

Cross Street: Not reported  
Reg Board: San Francisco Bay Region Qty Leaked: Not reported  
Chemical: Gasoline  
Lead Agency: Local Agency  
Case Type: Undefined  
Status: Preliminary site assessment underway  
County: Alameda  
Abate Method: No Action Taken - no action has as yet been taken at the site  
Review Date: 11/04/1997 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: Not reported Release Date: 05/20/1993

LUST Region 2:

Region: 2  
Facility Id: 01-1707  
Entered Date: 06/21/93  
Facility Status: Preliminary site assessment underway  
Maximum Soil Concentration: Not reported  
Maximum Groundwater Impact: Not reported  
Current Benzene: Not reported  
Current MTBE : Not reported  
Maximum MTBE Groundwater: Not reported  
MTBE Quali: Not reported

LUST Alameda County:

Region: ALAMEDA  
Facility Type: O  
Status: Active  
Case Closed: Not reported  
Contact: John Roveda  
Contact Company: United Beverage Distributors  
Case Closed Date: Not reported  
Clean Up Fund Date: Not reported

CORTESE:

Reg By: LTNKA  
Reg Id: 01-1707  
Region: CORTESE

State UST:

Facility ID: 18670  
Tank Num: 1 Container Num: 1  
Tank Capacity: 2000 Year Installed: Not reported  
Tank Used for: PRODUCT Tank Constrctn: Not reported  
Type of Fuel: REGULAR  
Leak Detection: Visual  
Contact Name: JOHN ROVEDA Telephone: (415) 832-6081  
Total Tanks: 1 Region: STATE  
Facility Type: 2 Other Type: BEER WHOLESALE DISTR

UST Alameda County:

Facility Id: 4004  
Operator Name: Removed 1 Ust 4/93  
Num of Tanks: 0  
Contact Name: John Roveda  
Permit Date: Not reported



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

**MAP FINDINGS**

Database(s) EDR ID Number  
EPA ID Number

**S108**  
**WNW**  
**1/2-1**  
**4863**  
**Higher**

**210 EMBARCADERO**  
**OAKLAND, CA 94607**

**CHMIRS** **S100275508**  
**N/A**

**CHMIRS:**

OES Control Number: 8990085 DOT ID: Not reported  
DOT Hazard Class: Not Reported  
Chemical Name: FLAMMABLE LIQUID, NOS  
Extent of Release: Not reported  
CAS Number: Not reported Quantity Released: Not reported  
Environmental Contamination: None Reported Property Use: Railroad  
Incident Date: 30-DEC-89 Date Completed: 30-DEC-89

**109**  
**ESE**  
**1/2-1**  
**5051**  
**Higher**

**SERVICE STATION**  
**2200 EAST 12TH STREET**  
**OAKLAND, CA 92626**

**Notify 65** **S100178956**  
**N/A**

**NOTIFY 65:**

Date Reported: Not reported Staff Initials: Not reported  
Board File Number: Not reported  
Facility Type: Not reported  
Discharge Date: Not reported  
Incident Description: 92626

**110**  
**WNW**  
**1/2-1**  
**5054**  
**Higher**

**N/B I-880 625'N/JACKSON STREET**  
**OAKLAND, CA**

**CHMIRS** **S100280015**  
**N/A**

**CHMIRS:**

OES Control Number: 9099316 DOT ID: 1993  
DOT Hazard Class: Flammable liquid  
Chemical Name: DIESEL FUEL  
Extent of Release: Not reported  
CAS Number: Not reported Quantity Released: 200  
Environmental Contamination: None Reported Property Use: Freeway  
Incident Date: 06-JUL-90 Date Completed: 06-JUL-90

**111**  
**WNW**  
**1/2-1**  
**5123**  
**Higher**

**FUTURE AMTRAK STATION**  
**245 2ND ST**  
**OAKLAND, CA 94607**

**Cortese** **S101293776**  
**N/A**

**CORTESE:**

Reg By: LTNKA  
Reg Id: 01-1751  
Region: CORTESE



Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
 EPA ID Number

**112**  
**South**  
**1/2-1**  
**5165**  
**Higher**

**WEYERHAUSER COMPANY**  
**1801 HIBBARD ST**  
**ALAMEDA, CA 94501**

**Cortese** **1000593717**  
**N/A**

CORTESE:  
 Reg By: LTNKA  
 Reg Id: 01-0734  
 Region: CORTESE

**113**  
**SSE**  
**1/2-1**  
**5185**  
**Higher**

**KEM MIL CO, DIVISION OF GRAPHIC SERVICES**  
**1829 CLEMENT AVENUE**  
**ALAMEDA, CA 94501**

**Cal-Sites** **S102008205**  
**CA SLIC** **N/A**

CAL-SITES:  
 Facility ID: 01350100  
 Status: REFOA - DOES NOT REQUIRE DTSC ACTION OR OVERSITE ACTIVITY. REFERRED TO OTHER AGENCY LEAD  
 Status Date: 06/27/1994  
 Lead: Not reported  
 Region: 2 - BERKELEY  
 Branch: NC - NORTH COAST  
 File Name: Not reported  
 Status Name: PROPERTY/SITE REFERRED TO ANOTHER AGENCY  
 Lead Agency: N/A  
 NPL: Not reported  
 SIC: 35 MANU - INDUSTRIAL MACHINERY & EQUIPMENT  
 Facility Type: Not reported  
 Type Name: N/A  
 Staff Member Responsible for Site: Not reported  
 Supervisor Responsible for Site: Not reported  
 Region Water Control Board: SF - SAN FRANCISCO BAY  
 Access: Controlled  
 Cortese: C  
 Hazardous Ranking Score: 5.08  
 Date Site Hazard Ranked: 06/24/1991  
 Groundwater Contamination: Not reported  
 No. of Contamination Sources: 0.00000  
 Lat/Long: 0.00000' 0.00000' 0.00000" / 0.00000' 0.00000' 0.00000"  
 Lat/long Method: Not reported  
 State Assembly District Code: Not reported  
 State Senate District: Not reported  
 Activity:  
 Activity: PEA  
 Activity Name: PRELIMINARY ENDANGERMENT ASSESSMENT  
 AWP Code: Not reported  
 Proposed Budget: 0.00000  
 AWP Completion Date: Not reported  
 Revised Due Date: Not reported  
 Comments Date: 07/01/1991  
 Est Person-Years to complete: 0.00000  
 Estimated Size: Not reported  
 Request to Delete Activity: Not reported  
 Activity Status: REFOA  
 Definition of Status: PROPERTY/SITE REFERRED TO ANOTHER AGENCY  
 Solids Removed (Cubic Yards): 0.00000  
 Solids Treated (Cubic Yards): 0.00000

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

KEM MIL CO, DIVISION OF GRAPHIC SERVICES (Continued)

S102008205

Liquids Removed (Gals): 0.00000  
Liquids Treated (Gals): 0.00000  
Action Included Capping: Not reported  
Well Decommissioned: Not reported  
Action Included Fencing: Not reported  
Removal Action Certification: Not reported  
Acres Available Upon Completion Of Activity  
For Commercial Reuse: 0.00000  
For Industrial Reuse: 0.00000  
For Residential Reuse: 0.00000  
Unknown Type: 0.00000  
Activity Comments: Not reported

Activity: SS  
Activity Name: Not reported  
AWP Code: Not reported  
Proposed Budget: 0.00000  
AWP Completion Date: Not reported  
Revised Due Date: Not reported  
Comments Date: 05/02/1990  
Est Person-Years to complete: 0.00000  
Estimated Size: Not reported  
Request to Delete Activity: Not reported  
Activity Status: REFOA  
Definition of Status: PROPERTY/SITE REFERRED TO ANOTHER AGENCY  
Solids Removed (Cubic Yards): 0.00000  
Solids Treated (Cubic Yards): 0.00000  
Liquids Removed (Gals): 0.00000  
Liquids Treated (Gals): 0.00000  
Action Included Capping: Not reported  
Well Decommissioned: Not reported  
Action Included Fencing: Not reported  
Removal Action Certification: Not reported  
Acres Available Upon Completion Of Activity  
For Commercial Reuse: 0.00000  
For Industrial Reuse: 0.00000  
For Residential Reuse: 0.00000  
Unknown Type: 0.00000  
Activity Comments: Not reported

All Site Names Associated with Site: KEM MIL CO, DIVISION OF GRAPHIC SERVICES  
GRAPHIC SERVICES (KEM MIL DIVISION)

All Street Addresses: 1829 CLEMENT AVENUE  
ALAMEDA, CA 94501

Background: Not reported  
Id Name: Not reported  
Id Value: Not reported

Special Programs:  
Program Name: Not reported  
Program Code: Not reported

Comments:  
Date: 05/14/1980  
Comment: Questionnaire received; no problem based on questionnaire.

Date: 05/02/1990  
Comment: Records Search: Alameda County made a routine inspection & noted plating wastewater had been illegally disposed-of on-site. Contaminants include high levels of cyanide &

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

**KEM MIL CO, DIVISION OF GRAPHIC SERVICES (Continued)**

**S102008205**

metals. The site is very close to the bay.  
Site Screening Done: Alameda County issued a letter to the Responsible Party to assess extent of contamination. DHS recommends Preliminary Endangerment Assessment (med).

Date: 06/24/1991

Comment: Site hazard ranked with score of 5.08. From 1967 to 1986 the site was used as a photochemical machining shop. It was operated by the Kem Mil Company as a photodeveloping and etching facility from 1986 to March 1990. They produced small photo-reduced electronic parts using batch chemical processes. An inspection conducted by the Alameda County Health Services Dept in October 1988 indicated numerous violations including overflow to sewer, lack of permit and proper containment, etc. Spills of heavy metal-containing liquids as well as acids and bases have been documented.

Date: 07/01/1991

Comment: County has oversight.

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
 EPA ID Number

**KEM MIL CO, DIVISION OF GRAPHIC SERVICES (Continued)**

**S102008205**

**SLIC Region 2:**

Facility ID:	01S0142	Discovery Date:	Not reported
Region:	2	Sample Date:	Not reported
Facility Status:	Inactive		
Staff:	DCL		
Last Site Update:	11/03/88		
NPL Status:	Not an NPL site		
Case Type:	Not reported		
Contamination:	Not reported		
Lead:	RWQCB		
Contamination Level:		Not reported	
Number of Municipal Wells Contaminated by Site:		0	
Number of Private Wells Contaminated by Site:		0	
Soil Removal Action Taken/Needed:		Not reported	
Soil Removal or Contaminant Action Started:		Not reported	
Soil Removal or Contaminant Action Completed:		Not reported	
On-Site Groundwater Extraction or Containment is Needed:		Not reported	
On-Site Groundwater Extraction or Containment Started:		Not reported	
Off-Site Groundwater Extraction or Containment is Needed:		Not reported	
Off-Site Groundwater Extraction or Containment Started:		Not reported	
Length of Contamination Plume (Feet):		0	
Depth of Contamination Plume (Feet):		0	
Wells Closed Due To Contamination of Site:		Not reported	
Date of Wells Closure:		Not reported	
Nearest Public or Private Drinking Water Well (Feet):		0	
Under Jurisdiction of Lead Agency Date:		Not reported	
Latitude/Longitude:		38 / -122	
Flow Rate:		0	
Flow Date:		Not reported	
Percent of Contaminants Contained:		0	
Contaminant Type:		Not reported	
EPA ID:		Not reported	
Stages of Site Investigation Process Initiated:			
Begun Characterization :		Not reported	
Completed Characterization :		Not reported	
Begun Remediation:		Not reported	
Completed Remediation:		Not reported	
Submitted Remediation Plan:		Not reported	
Approved Remediation Plan:		Not reported	
Begun Final Remedial Action:		Not reported	
Completed Final Remedial Action:		Not reported	
Facility Desc:	Not reported		
Comment:	Not reported		

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation    Site

Database(s)    EDR ID Number  
 EPA ID Number

**114**  
**NW**  
**1/2-1**  
**5192**  
**Higher**

**6TH / ALICE ST.**  
**OAKLAND, CA**

**CHMIRS**    **S100219041**  
**N/A**

CHMIRS:  
 OES Control Number: 8910922    DOT ID: Not reported  
 DOT Hazard Class: Not Reported  
 Chemical Name: OIL, VEGETABLE  
 Extent of Release: Not reported  
 CAS Number: Not reported    Quantity Released: 2  
 Environmental Contamination: Other    Property Use: Residential  
 Incident Date: 30-NOV-89    Date Completed: 30-NOV-89

**115**  
**ESE**  
**1/2-1**  
**5237**  
**Higher**

**SENNA AUTOMOTIVE**  
**2301 EAST 12TH STREET**  
**OAKLAND, CA 92626**

**Notify 65**    **S100179580**  
**N/A**

NOTIFY 65:  
 Date Reported: Not reported    Staff Initials: Not reported  
 Board File Number: Not reported  
 Facility Type: Not reported  
 Discharge Date: Not reported  
 Incident Description: 92626

**T116**  
**SE**  
**1/2-1**  
**5270**  
**Higher**

**1899 DENNISON**  
**OAKLAND, CA 94606**

**CHMIRS**    **S100276825**  
**N/A**

CHMIRS:  
 OES Control Number: 9100558    DOT ID: Not reported  
 DOT Hazard Class: Not Reported  
 Chemical Name: N/A  
 Extent of Release: Not reported  
 CAS Number: Not reported    Quantity Released: 0  
 Environmental Contamination: None Reported    Property Use: Harbor/Port  
 Incident Date: 27-JUN-91    Date Completed: 27-JUN-91

**T117**  
**SE**  
**1/2-1**  
**5270**  
**Higher**

**PORT OF OAKLAND - EMBARCADERO COVE**  
**DENNISON / EMBARCADERO STREET**  
**OAKLAND, CA 94606**

**Ca. BEP**    **S100833252**  
**Cal-Sites**    **N/A**

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
 EPA ID Number

**PORT OF OAKLAND - EMBARCADERO COVE (Continued)**

**S100833252**

**CAL-SITES:**

Facility ID 01510021  
 Status: COM - CERTIFIED OPERATION AND MAINTENANCE, ALL PLANNED ACTIVITIES IMPLEMENTED  
 REMEDIATION CONTINUES  
 Status Date: 03/28/1997  
 Lead: DTSC  
 Region: 2 - BERKELEY  
 Branch: NC - NORTH COAST  
 File Name: Not reported  
 Status Name: CERTIFIED / OPERATION & MAINTENANCE  
 Lead Agency: DEPT OF TOXIC SUBSTANCES CONTROL  
 NPL: Not Listed  
 SIC: 51 WHOLESALE TRADE - NONDURABLE GOODS  
 Facility Type: RP  
 Type Name: RESPONSIBLE PARTY  
 Staff Member Responsible for Site: JSOTO  
 Supervisor Responsible for Site: KTOTH  
 Region Water Control Board: SF - SAN FRANCISCO BAY  
 Access: Not reported  
 Cortese: Not reported  
 Hazardous Ranking Score: 19.38  
 Date Site Hazard Ranked: Not reported  
 Groundwater Contamination: Confirmed  
 No. of Contamination Sources: 1.00000  
 Lat/Long: 37.00000° 47.00000° 0.00000" / 122.00000° 15.00000° 50.00000"  
 Lat/long Method: TEALE ADDRESS MATCH  
 State Assembly District Code: 16  
 State Senate District: 09

Activity:  
 Activity: 5YEAR  
 Activity Name: FIVE-YEAR REVIEW REQUIRED BY CERCLA  
 AWP Code: Not reported  
 Proposed Budget: 0.00000  
 AWP Completion Date: 03/31/2002  
 Revised Due Date: Not reported  
 Comments Date: Not reported  
 Est Person-Years to complete: 0.00000  
 Estimated Size: Not reported  
 Request to Delete Activity: Not reported  
 Activity Status: COM  
 Definition of Status: CERTIFIED / OPERATION & MAINTENANCE  
 Solids Removed (Cubic Yards): 0.00000  
 Solids Treated (Cubic Yards): 0.00000  
 Liquids Removed (Gals): 0.00000  
 Liquids Treated (Gals): 0.00000  
 Action Included Capping: Not reported  
 Well Decommissioned: Not reported  
 Action Included Fencing: Not reported  
 Removal Action Certification: Not reported  
 Acres Available Upon Completion Of Activity  
 For Commercial Reuse: 0.00000  
 For Industrial Reuse: 0.00000  
 For Residential Reuse: 0.00000  
 Unknown Type: 0.00000  
 Activity Comments: Not reported  
 Activity: COST

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

PORT OF OAKLAND - EMBARCADERO COVE (Continued)

S100833252

Activity Name: COST RECOVERY  
AWP Code: SETTLE  
Proposed Budget: 0.00000  
AWP Completion Date: Not reported  
Revised Due Date: Not reported  
Comments Date: 04/29/1997  
Est Person-Years to complete: 0.00000  
Estimated Size: Not reported  
Request to Delete Activity: Not reported  
Activity Status: COM  
Definition of Status: CERTIFIED / OPERATION & MAINTENANCE  
Solids Removed (Cubic Yards): 0.00000  
Solids Treated (Cubic Yards): 0.00000  
Liquids Removed (Gals): 0.00000  
Liquids Treated (Gals): 0.00000  
Action Included Capping: Not reported  
Well Decommissioned: Not reported  
Action Included Fencing: Not reported  
Removal Action Certification: Not reported  
Acres Available Upon Completion Of Activity  
For Commercial Reuse: 0.00000  
For Industrial Reuse: 0.00000  
For Residential Reuse: 0.00000  
Unknown Type: 0.00000  
Activity Comments: Not reported

Activity: ORDER  
Activity Name: 1/SE, IORSE, FFA, FFSRA, VCA, EA  
AWP Code: OM  
Proposed Budget: 0.00000  
AWP Completion Date: Not reported  
Revised Due Date: Not reported  
Comments Date: 03/07/1997  
Est Person-Years to complete: 0.00000  
Estimated Size: Not reported  
Request to Delete Activity: Not reported  
Activity Status: COM  
Definition of Status: CERTIFIED / OPERATION & MAINTENANCE  
Solids Removed (Cubic Yards): 0.00000  
Solids Treated (Cubic Yards): 0.00000  
Liquids Removed (Gals): 0.00000  
Liquids Treated (Gals): 0.00000  
Action Included Capping: Not reported  
Well Decommissioned: Not reported  
Action Included Fencing: Not reported  
Removal Action Certification: Not reported  
Acres Available Upon Completion Of Activity  
For Commercial Reuse: 0.00000  
For Industrial Reuse: 0.00000  
For Residential Reuse: 0.00000  
Unknown Type: 0.00000  
Activity Comments: Not reported

Activity: DEED  
Activity Name: DEED RESTRICTIONS  
AWP Code: Not reported  
Proposed Budget: 0.00000  
AWP Completion Date: Not reported

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
 EPA ID Number

**PORT OF OAKLAND - EMBARCADERO COVE (Continued)**

**S100833252**

Revised Due Date:	Not reported
Comments Date:	02/13/1997
Est Person-Years to complete:	0.00000
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	COM
Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE
Solids Removed (Cubic Yards):	0.00000
Solids Treated (Cubic Yards):	0.00000
Liquids Removed (Gals):	0.00000
Liquids Treated (Gals):	0.00000
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Acres Available Upon Completion Of Activity	
For Commercial Reuse:	0.00000
For Industrial Reuse:	0.00000
For Residential Reuse:	0.00000
Unknown Type:	0.00000
Activity Comments:	Not reported
Activity:	OM
Activity Name:	OPERATION & MAINTENANCE
AWP Code:	PLAN
Proposed Budget:	0.00000
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	01/29/1997
Est Person-Years to complete:	0.00000
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	COM
Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE
Solids Removed (Cubic Yards):	0.00000
Solids Treated (Cubic Yards):	0.00000
Liquids Removed (Gals):	0.00000
Liquids Treated (Gals):	0.00000
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Acres Available Upon Completion Of Activity	
For Commercial Reuse:	0.00000
For Industrial Reuse:	0.00000
For Residential Reuse:	0.00000
Unknown Type:	0.00000
Activity Comments:	Not reported
Activity:	CERT
Activity Name:	CERTIFICATION
AWP Code:	Not reported
Proposed Budget:	0.00000
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	03/28/1997
Est Person-Years to complete:	0.00000
Estimated Size:	M



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

PORT OF OAKLAND - EMBARCADERO COVE (Continued)

S100833252

Request to Delete Activity: Not reported  
Activity Status: COM  
Definition of Status: CERTIFIED / OPERATION & MAINTENANCE  
Solids Removed (Cubic Yards): 0.00000  
Solids Treated (Cubic Yards): 0.00000  
Liquids Removed (Gals): 0.00000  
Liquids Treated (Gals): 0.00000  
Action Included Capping: Not reported  
Well Decommissioned: Not reported  
Action Included Fencing: Not reported  
Removal Action Certification: Not reported  
Acres Available Upon Completion Of Activity  
For Commercial Reuse: 0.00000  
For Industrial Reuse: 1.40000  
For Residential Reuse: 0.00000  
Unknown Type: 0.00000

Activity Comments: Not reported

Activity: RMDL  
Activity Name: REMEDIAL ACTION (RAP REQUIRED)  
AWP Code: Not reported  
Proposed Budget: 0.00000  
AWP Completion Date: Not reported  
Revised Due Date: Not reported  
Comments Date: 06/10/1996  
Est Person-Years to complete: 0.00000  
Estimated Size: M  
Request to Delete Activity: Not reported  
Activity Status: COM  
Definition of Status: CERTIFIED / OPERATION & MAINTENANCE  
Solids Removed (Cubic Yards): 0.00000  
Solids Treated (Cubic Yards): 0.00000  
Liquids Removed (Gals): 0.00000  
Liquids Treated (Gals): 0.00000  
Action Included Capping: Yes  
Well Decommissioned: Not reported  
Action Included Fencing: Not reported  
Removal Action Certification: No  
Acres Available Upon Completion Of Activity  
For Commercial Reuse: 0.00000  
For Industrial Reuse: 0.00000  
For Residential Reuse: 0.00000  
Unknown Type: 0.00000

Activity Comments: A GEOSYNTHETIC CLAY LINER & HIGH DENSITY BARRIER AROUND THE PERIMETER OF THE SITE. A MULTIMEDIA CAP OVER 1.3 ACRES; AND A SKIMMING PROGRAM TO REMOVE FREE PETROLEUM HYDROCARBON PRODUCTS.

Activity: DES  
Activity Name: DESIGN  
AWP Code: Not reported  
Proposed Budget: 0.00000  
AWP Completion Date: Not reported  
Revised Due Date: Not reported  
Comments Date: 04/03/1995  
Est Person-Years to complete: 0.00000  
Estimated Size: Not reported  
Request to Delete Activity: Not reported  
Activity Status: COM

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

PORT OF OAKLAND - EMBARCADERO COVE (Continued)

S100833252

Definition of Status: CERTIFIED / OPERATION & MAINTENANCE  
Solids Removed (Cubic Yards): 0.00000  
Solids Treated (Cubic Yards): 0.00000  
Liquids Removed (Gals): 0.00000  
Liquids Treated (Gals): 0.00000  
Action Included Capping: Not reported  
Well Decommissioned: Not reported  
Action Included Fencing: Not reported  
Removal Action Certification: Not reported  
Acres Available Upon Completion Of Activity  
For Commercial Reuse: 0.00000  
For Industrial Reuse: 0.00000  
For Residential Reuse: 0.00000  
Unknown Type: 0.00000  
Activity Comments: Not reported

Activity: RAP  
Activity Name: REMEDIAL ACTION PLAN / RECORD OF DECISION  
AWP Code: Not reported  
Proposed Budget: 0.00000  
AWP Completion Date: Not reported  
Revised Due Date: Not reported  
Comments Date: 06/29/1994  
Est Person-Years to complete: 0.00000  
Estimated Size: Not reported  
Request to Delete Activity: Not reported  
Activity Status: COM  
Definition of Status: CERTIFIED / OPERATION & MAINTENANCE  
Solids Removed (Cubic Yards): 0.00000  
Solids Treated (Cubic Yards): 0.00000  
Liquids Removed (Gals): 0.00000  
Liquids Treated (Gals): 0.00000  
Action Included Capping: Not reported  
Well Decommissioned: Not reported  
Action Included Fencing: Not reported  
Removal Action Certification: Not reported  
Acres Available Upon Completion Of Activity  
For Commercial Reuse: 0.00000  
For Industrial Reuse: 0.00000  
For Residential Reuse: 0.00000  
Unknown Type: 0.00000  
Activity Comments: Not reported

Activity: CEQA  
Activity Name: CEQA INCLUDING NEGATIVE DECS  
AWP Code: Not reported  
Proposed Budget: 0.00000  
AWP Completion Date: Not reported  
Revised Due Date: Not reported  
Comments Date: 06/29/1994  
Est Person-Years to complete: 0.00000  
Estimated Size: Not reported  
Request to Delete Activity: Not reported  
Activity Status: COM  
Definition of Status: CERTIFIED / OPERATION & MAINTENANCE  
Solids Removed (Cubic Yards): 0.00000  
Solids Treated (Cubic Yards): 0.00000  
Liquids Removed (Gals): 0.00000

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
 EPA ID Number

**PORT OF OAKLAND - EMBARCADERO COVE (Continued)**

**S100833252**

Liquids Treated (Gals):	0.00000
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Acres Available Upon Completion Of Activity	
For Commercial Reuse:	0.00000
For Industrial Reuse:	0.00000
For Residential Reuse:	0.00000
Unknown Type:	0.00000
Activity Comments: Not reported	
Activity:	RIFS
Activity Name:	REMEDIAL INVESTIGATION / FEASIBILITY STUDY
AWP Code:	Not reported
Proposed Budget:	0.00000
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	02/11/1994
Est Person-Years to complete:	0.00000
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	COM
Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE
Solids Removed (Cubic Yards):	0.00000
Solids Treated (Cubic Yards):	0.00000
Liquids Removed (Gals):	0.00000
Liquids Treated (Gals):	0.00000
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Acres Available Upon Completion Of Activity	
For Commercial Reuse:	0.00000
For Industrial Reuse:	0.00000
For Residential Reuse:	0.00000
Unknown Type:	0.00000
Activity Comments: Not reported	
Activity:	PRP
Activity Name:	POTENTIAL RESPONSIBLE PARTY SEARCH
AWP Code:	BASE
Proposed Budget:	0.00000
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	12/12/1991
Est Person-Years to complete:	0.00000
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	COM
Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE
Solids Removed (Cubic Yards):	0.00000
Solids Treated (Cubic Yards):	0.00000
Liquids Removed (Gals):	0.00000
Liquids Treated (Gals):	0.00000
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

**MAP FINDINGS**

Database(s) EDR ID Number  
 EPA ID Number

**PORT OF OAKLAND - EMBARCADERO COVE (Continued)**

**S100833252**

Removal Action Certification: Not reported  
 Acres Available Upon Completion Of Activity  
 For Commercial Reuse: 0.00000  
 For Industrial Reuse: 0.00000  
 For Residential Reuse: 0.00000  
 Unknown Type: 0.00000

Activity Comments: Not reported

Activity: RA  
 Activity Name: REMOVAL ACTION  
 AWP Code: CAP  
 Proposed Budget: 0.00000  
 AWP Completion Date: Not reported  
 Revised Due Date: Not reported  
 Comments Date: 04/30/1990  
 Est Person-Years to complete: 0.00000  
 Estimated Size: Not reported  
 Request to Delete Activity: Not reported  
 Activity Status: COM  
 Definition of Status: CERTIFIED / OPERATION & MAINTENANCE  
 Solids Removed (Cubic Yards): 0.00000  
 Solids Treated (Cubic Yards): 0.00000  
 Liquids Removed (Gals): 0.00000  
 Liquids Treated (Gals): 0.00000  
 Action Included Capping: Yes  
 Well Decommissioned: Not reported  
 Action Included Fencing: Not reported  
 Removal Action Certification: No  
 Acres Available Upon Completion Of Activity  
 For Commercial Reuse: 0.00000  
 For Industrial Reuse: 0.00000  
 For Residential Reuse: 0.00000  
 Unknown Type: 0.00000

Activity Comments: A TEMPORARY CHIP SEAL OVER THE SITE SURFACE CONTAMINATED WITH PCP UNTIL IMPLEMENTATION OF A FINAL REMEDIAL ACTION.

Activity: PPP  
 Activity Name: PUBLIC PARTICIPATION PLAN  
 AWP Code: Not reported  
 Proposed Budget: 0.00000  
 AWP Completion Date: Not reported  
 Revised Due Date: Not reported  
 Comments Date: 10/30/1988  
 Est Person-Years to complete: 0.00000  
 Estimated Size: Not reported  
 Request to Delete Activity: Not reported  
 Activity Status: COM  
 Definition of Status: CERTIFIED / OPERATION & MAINTENANCE  
 Solids Removed (Cubic Yards): 0.00000  
 Solids Treated (Cubic Yards): 0.00000  
 Liquids Removed (Gals): 0.00000  
 Liquids Treated (Gals): 0.00000  
 Action Included Capping: Not reported  
 Well Decommissioned: Not reported  
 Action Included Fencing: Not reported  
 Removal Action Certification: Not reported  
 Acres Available Upon Completion Of Activity  
 For Commercial Reuse: 0.00000

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

PORT OF OAKLAND - EMBARCADERO COVE (Continued)

S100833252

For Industrial Reuse: 0.00000  
For Residential Reuse: 0.00000  
Unknown Type: 0.00000

Activity Comments: Not reported

Activity: ORDER  
Activity Name: I/SE, IORSE, FFA, FFSRA, VCA, EA  
AWP Code: Not reported  
Proposed Budget: 0.00000  
AWP Completion Date: Not reported  
Revised Due Date: Not reported  
Comments Date: 07/30/1987  
Est Person-Years to complete: 0.00000  
Estimated Size: Not reported  
Request to Delete Activity: Not reported  
Activity Status: COM  
Definition of Status: CERTIFIED / OPERATION & MAINTENANCE  
Solids Removed (Cubic Yards): 0.00000  
Solids Treated (Cubic Yards): 0.00000  
Liquids Removed (Gals): 0.00000  
Liquids Treated (Gals): 0.00000  
Action Included Capping: Not reported  
Well Decommissioned: Not reported  
Action Included Fencing: Not reported  
Removal Action Certification: Not reported  
Acres Available Upon Completion Of Activity  
For Commercial Reuse: 0.00000  
For Industrial Reuse: 0.00000  
For Residential Reuse: 0.00000  
Unknown Type: 0.00000

Activity Comments: Not reported

Activity: SS  
Activity Name: Not reported  
AWP Code: PORT  
Proposed Budget: 0.00000  
AWP Completion Date: Not reported  
Revised Due Date: Not reported  
Comments Date: 04/02/1987  
Est Person-Years to complete: 0.00000  
Estimated Size: Not reported  
Request to Delete Activity: Not reported  
Activity Status: COM  
Definition of Status: CERTIFIED / OPERATION & MAINTENANCE  
Solids Removed (Cubic Yards): 0.00000  
Solids Treated (Cubic Yards): 0.00000  
Liquids Removed (Gals): 0.00000  
Liquids Treated (Gals): 0.00000  
Action Included Capping: Not reported  
Well Decommissioned: Not reported  
Action Included Fencing: Not reported  
Removal Action Certification: Not reported  
Acres Available Upon Completion Of Activity  
For Commercial Reuse: 0.00000  
For Industrial Reuse: 0.00000  
For Residential Reuse: 0.00000  
Unknown Type: 0.00000

Activity Comments: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

PORT OF OAKLAND - EMBARCADERO COVE (Continued)

S100833252

Activity: PA  
Activity Name: Not reported  
AWP Code: Not reported  
Proposed Budget: 0.00000  
AWP Completion Date: Not reported  
Revised Due Date: Not reported  
Comments Date: 02/21/1984  
Est Person-Years to complete: 0.00000  
Estimated Size: Not reported  
Request to Delete Activity: Not reported  
Activity Status: COM  
Definition of Status: CERTIFIED / OPERATION & MAINTENANCE  
Solids Removed (Cubic Yards): 0.00000  
Solids Treated (Cubic Yards): 0.00000  
Liquids Removed (Gals): 0.00000  
Liquids Treated (Gals): 0.00000  
Action Included Capping: Not reported  
Well Decommissioned: Not reported  
Action Included Fencing: Not reported  
Removal Action Certification: Not reported  
Acres Available Upon Completion Of Activity  
For Commercial Reuse: 0.00000  
For Industrial Reuse: 0.00000  
For Residential Reuse: 0.00000  
Unknown Type: 0.00000  
Activity Comments: Not reported

Activity: DISC  
Activity Name: DISCOVERY  
AWP Code: Not reported  
Proposed Budget: 0.00000  
AWP Completion Date: Not reported  
Revised Due Date: Not reported  
Comments Date: 07/13/1981  
Est Person-Years to complete: 0.00000  
Estimated Size: Not reported  
Request to Delete Activity: Not reported  
Activity Status: COM  
Definition of Status: CERTIFIED / OPERATION & MAINTENANCE  
Solids Removed (Cubic Yards): 0.00000  
Solids Treated (Cubic Yards): 0.00000  
Liquids Removed (Gals): 0.00000  
Liquids Treated (Gals): 0.00000  
Action Included Capping: Not reported  
Well Decommissioned: Not reported  
Action Included Fencing: Not reported  
Removal Action Certification: Not reported  
Acres Available Upon Completion Of Activity  
For Commercial Reuse: 0.00000  
For Industrial Reuse: 0.00000  
For Residential Reuse: 0.00000  
Unknown Type: 0.00000  
Activity Comments: Not reported

All Site Names Associated with Site: PORT OF OAKLAND - EMBARCADERO COVE

All Street Addresses: EMBARCADERO COVE MARINA SITE  
OAKLAND, CA 94606  
DENNISON AND EMBARCADERO STREETS

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

PORT OF OAKLAND - EMBARCADERO COVE (Continued)

S100833252

OAKLAND, CA 94606

Background: The site is located on Embarcadero Street at the foot of Dennison Street in Oakland. For 60 to 70 years, the 1.3-acre site was leased to industrial tenants, including oil companies and formulators of pesticides and wood preservatives. It is now a vacant lot. Pentachlorophenol (PCP), organochlorine pesticides and solvents have been discovered in soil and groundwater. About 8,000 cubic yards of soil and an unknown amount of groundwater is contaminated. Dioxins and furans, which are impurities of PCP, have been found in low levels in soil and groundwater. The Final RAP required a multimedia cap, a high density polyethylene cutoff wall around the entire boundary to approximately 30 feet below ground surface, a well skimmer to remove petroleum product from wells along the eastern side, deed restriction, groundwater use restrictions, and periodic ground-monitoring. The final remedy was installed in June 1996. The site was certified in March 1997.

Id Name: CALSTARS CODE  
Id Value: 200083  
Id Name: BEP DATABASE PCODE  
Id Value: P21050  
Id Name: EPA IDENTIFICATION NUMBER  
Id Value: CAD980638670

Special Programs:

Program Name: RCRA 3012  
Program Code: R3012

Comments:

Date: 09/01/1982  
Comment: Oakland Fire Marshall condemned three 40,000-gallon storage tanks due to leakage.

Date: 07/30/1987  
Comment: Enforcement Agreement - I&SE

Date: 10/30/1988  
Comment: Public Participation Plan approved

Date: 04/30/1990  
Comment: Removal Action: Surface cap.

Date: 02/11/1994  
Comment: Remedial Investigation/Feasibility Study approved

Date: 06/29/1994  
Comment: Negative Declaration and Remedial Action Plan approved

Date: 06/10/1996  
Comment: Approval of Implementation Report. The final remedial action required the installation:  
\* a geosynthetic clay liner and high density barrier around the perimeter of the site;  
\* a multimedia cap over 1.3 acres; and  
\* a skimming program to remove free petroleum hydrocarbons products.  
Construction was initiated in July 1995 and was completed in December 1995.

Date: 01/29/1997  
Comment: An Operations and Maintenance Plan was approved for the cap,

**MAP FINDINGS**

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

**PORT OF OAKLAND - EMBARCADERO COVE (Continued)**

**S100833252**

barrier wall and groundwater monitoring system at the site.

Date: 03/28/1997

Comment: DTSC certified the remedial action at the site. Operation and maintenance of the multimedia cap, barrier wall and groundwater monitoring system was required. A deed restriction was placed on the property to ensure its commercial industrial use and to protect the remedial system.



ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)	Facility ID
OAKLAND	S103454449	CALTRANS RECONSTRUCTION PROJECT	I-880 / CYPRESS	94607	CA SLIC	01S0372
OAKLAND	S103556150	SOUTHERN PACIFIC TRANS. CO.	0 5TH / KIRKHAM	94607	LUST	
OAKLAND	U003300010	CYPRESS PROJECT - CALTRANS	0 5TH / ADELINE	94607	LUST	
OAKLAND	S103622447	BRIDGE WEST OAKLAND HOUSING	10TH / FILBERT, 8TH & FILBERT		HAZNET	CAL000145537
OAKLAND	S102859661	PORT OF OAKLAND CROWLEY DRY DOCK YARD1 2	1441 / 321 EMBARCADERO		CA SLIC	01S0480
OAKLAND	S103666452	OAKLAND BART SHOP ANNEX	601A E 8TH ST	94606	HAZNET	CAD981433881
OAKLAND	S103556152	SOUTHERN PACIFIC TRANS. CO.	0 5TH AVE / 7TH	94606	LUST	
OAKLAND	S104310752	HELEN STREET WTS (CHP SITE)	3300 BLOCK OF HELEN STREET		SWF/LF	01-TI-1082
OAKLAND	S103556298	OAKLAND POLICE STATION	0 CLAY AND 5TH ST	94607	LUST	
OAKLAND	S103890877	SCHNITZER STEEL PRODUCTS COMPA	1101 EMBARCADERO W THE	94607	LUST	01-1798
OAKLAND	S103878959	SCHNITZER STEEL PRODUCTS COMPANY	1101 EMBARCADERO W THE	94607	LUST	
OAKLAND	S103556327	SCHNITZER STEEL PRODUCTS CO.	1101 EMBARCADERO W	94607	LUST, AST	
OAKLAND	S100936691	HARRISON'S MARINE	1363 EMBARCADERO	94606	HAZNET	CAC000868752
OAKLAND	S101580396	MAJESTY YACHTS	1363 EMBARCADERO	94606	Ca. FID, HAZNET	01002768
OAKLAND	U003713450	BUILDING P-323	1755 EMBARCADERO	94606	UST	
OAKLAND	S100927693	1X PORT OF OAKLAND	EMBARCADERO		HAZNET	CAC000791216
OAKLAND	S101308838	PORT OF OAKLAND	1363 EMBARCADERO	94606	LUST	51219-7
OAKLAND	S104233673	OAKLAND PORT OF	1755 EMBARCADERO E	94606	LUST	01-1193
OAKLAND	S103678750	MARINE TERMINALS 9TH AVE. TER.	FOOT OF 9TH AVENUE	94606	HAZNET	CAL922625002
OAKLAND	S103393752	MANDELA PARKWAY CORRIDOR	MANDELA PARKWAY BETWEEN 34TH / 8TH ST.	94607	Cal-Sites	01410118
OAKLAND	S103679239	USDOT METEOR *E	MARITIME / 7TH ST BERTH H		HAZNET	CAP600929277
OAKLAND	S103679433	PACIFIC GAS AND ELECTRIC CORP	OAKLAND INTERNATIONAL AIRPORT		HAZNET	CAL000067176
OAKLAND	S104396762	GAS STATION	9000 14TH ST E		LUST	
OAKLAND	S103665500	SHERMAN OAKS LIMITED, INC	575B 8TH ST		HAZNET	CAC000948072
OAKLAND	S104396756	AC TRANSIT	10626 14TH ST E		LUST	
OAKLAND	S104396757	STANDARD BRANDS PAINT	2442 14TH ST E		LUST	
OAKLAND	S104396761	MS EDDIE M JONES PROPERTY	8332 14TH ST E		LUST	
OAKLAND	S104396759	U HAUL	5330 14TH ST E		LUST	
OAKLAND	S103066214	BRAMALEA PACIFIC	(NO STREET NBR) 13TH / JEFFERSON ST		Cortese, LUST	01-0234
OAKLAND	S103890493	OAKLAND CITY OF PARKING STRUCT	UNKNOWN 7TH / JEFFERSON ST	94607	LUST	01-1139
OAKLAND	S104233647	BART MAINTENANCE FACILITY	UNKNOWN 5TH ST / 8TH AVE	94607	LUST	01-0150
OAKLAND	S104233658	GREYHOUND LINE INC	UNKNOWN 7TH / BRUSH	94607	LUST	01-0721
OAKLAND	S104233681	SOUTHERN PACIFIC TRANS COMPANY	UNKNOWN 5TH AVE / KIRKHAM	94607	LUST	01-1412
OAKLAND	S104233683	VACANT LOT	UNKNOWN 11TH ST	94607	LUST	01-1549
OAKLAND	S104233686	OAKLAND POLICE STATION	UNKNOWN CLAY ST / 5TH ST	94607	LUST	01-1831
OAKLAND	S104233703	CALTRANS CYPRESS PROJECT	UNKNOWN 5TH / ADELINE	94607	LUST	01-2398
OAKLAND	S104233652	EBMUD	UNKNOWN 7TH ST / 29TH AVE	94606	LUST	01-0541
OAKLAND	S104233685	SOUTHERN PACIFIC TRANS COMPANY	UNKNOWN 5TH AVE / 7TH ST	94606	LUST	01-1757
OAKLAND	S103680129	USDOT MARAD CAPE FEAR	USN NSC MARITIME / 7TH ST		HAZNET	CAP400480055

## 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.
D026	CRESOL
D035	METHYL ETHYL KETONE
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 SOLVENT MIXTURES.
F004	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: CRESOLS AND CRESYLIC ACID, AND NITROBENZENE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

## 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.

**Elapsed ASTM days:** Provides confirmation that this EDR report meets or exceeds the 90-day updating requirement of the ASTM standard.

### FEDERAL ASTM STANDARD RECORDS

#### **NPL: National Priority List**

Source: EPA

Telephone: N/A

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).

Date of Government Version: 06/13/00

Date Made Active at EDR: 07/06/00

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 06/27/00

Elapsed ASTM days: 9

Date of Last EDR Contact: 08/07/00

#### **DELISTED NPL: NPL Deletions**

Source: EPA

Telephone: N/A

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: 06/13/00

Date Made Active at EDR: 07/06/00

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 06/27/00

Elapsed ASTM days: 9

Date of Last EDR Contact: 05/09/00

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

Source: EPA

Telephone: 703-413-0223

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: 04/16/00

Date Made Active at EDR: 08/16/00

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 06/05/00

Elapsed ASTM days: 72

Date of Last EDR Contact: 05/31/00

#### **CERCLIS-NFRAP: No Further Remedial Action Planned**

Source: EPA

Telephone: 703-413-0223

As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration. EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

Date of Government Version: 04/16/00

Date Made Active at EDR: 08/16/00

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 06/05/00

Elapsed ASTM days: 72

Date of Last EDR Contact: 05/31/00

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### **CORRACTS:** Corrective Action Report

Source: EPA

Telephone: 800-424-9346

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 04/20/00

Date Made Active at EDR: 08/01/00

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 06/12/00

Elapsed ASTM days: 50

Date of Last EDR Contact: 06/12/00

### **RCRIS:** Resource Conservation and Recovery Information System

Source: EPA/NTIS

Telephone: 800-424-9346

Resource Conservation and Recovery Information System. RCRIS 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).

Date of Government Version: 05/18/00

Date Made Active at EDR: 08/01/00

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 06/01/00

Elapsed ASTM days: 61

Date of Last EDR Contact: 06/19/00

### **ERNS:** Emergency Response Notification System

Source: EPA/NTIS

Telephone: 202-260-2342

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

Date of Government Version: 05/30/00

Date Made Active at EDR: 07/06/00

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 06/02/00

Elapsed ASTM days: 34

Date of Last EDR Contact: 08/02/00

## **FEDERAL ASTM SUPPLEMENTAL RECORDS**

### **BRS:** Biennial Reporting System

Source: EPA/NTIS

Telephone: 800-424-9346

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: 12/31/97

Database Release Frequency: Biennially

Date of Last EDR Contact: 06/19/00

Date of Next Scheduled EDR Contact: 09/18/00

### **CONSENT:** Superfund (CERCLA) Consent Decrees

Source: EPA Regional Offices

Telephone: Varies

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: N/A

Database Release Frequency: Varies

Date of Last EDR Contact: N/A

Date of Next Scheduled EDR Contact: N/A

### **ROD:** Records Of Decision

Source: NTIS

Telephone: 703-416-0223

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: 01/31/99

Database Release Frequency: Annually

Date of Last EDR Contact: 07/12/00

Date of Next Scheduled EDR Contact: 10/09/00

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### **FINDS:** Facility Index System/Facility Identification Initiative Program Summary Report

Source: EPA

Telephone: N/A

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: 10/13/99  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/13/00  
Date of Next Scheduled EDR Contact: 10/09/00

### **HMIRS:** Hazardous Materials Information Reporting System

Source: U.S. Department of Transportation

Telephone: 202-366-4526

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

Date of Government Version: 06/30/99  
Database Release Frequency: Annually

Date of Last EDR Contact: 07/25/00  
Date of Next Scheduled EDR Contact: 10/23/00

### **MLTS:** Material Licensing Tracking System

Source: Nuclear Regulatory Commission

Telephone: 301-415-7169

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: 04/23/00  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/10/00  
Date of Next Scheduled EDR Contact: 10/09/00

### **MINES:** Mines Master Index File

Source: Department of Labor, Mine Safety and Health Administration

Telephone: 303-231-5959

Date of Government Version: 08/01/98  
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 07/06/00  
Date of Next Scheduled EDR Contact: 10/02/00

### **NPL LIENS:** Federal Superfund Liens

Source: EPA

Telephone: 205-564-4267

Federal Superfund Liens. Under the authority granted the USEPA by the Comprehensive Environmental Response, Compensation and Liability Act (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 receives notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/91  
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 05/22/00  
Date of Next Scheduled EDR Contact: 08/21/00

### **PADS:** PCB Activity Database System

Source: EPA

Telephone: 202-260-3936

PCB Activity Database. PADS identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 01/01/00  
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 05/15/00  
Date of Next Scheduled EDR Contact: 08/14/00

### **RAATS:** RCRA Administrative Action Tracking System

Source: EPA

Telephone: 202-564-4104

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: 04/17/95  
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 06/12/00  
Date of Next Scheduled EDR Contact: 09/11/00

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### **TRIS: Toxic Chemical Release Inventory System**

Source: EPA

Telephone: 202-260-1531

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: 12/31/97

Database Release Frequency: Annually

Date of Last EDR Contact: 07/21/00

Date of Next Scheduled EDR Contact: 09/25/00

### **TSCA: Toxic Substances Control Act**

Source: EPA

Telephone: 202-260-1444

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: 12/31/98

Database Release Frequency: Every 4 Years

Date of Last EDR Contact: 07/25/00

Date of Next Scheduled EDR Contact: 10/23/00

## **STATE OF CALIFORNIA ASTM STANDARD RECORDS**

### **CAL-SITES (AWP): Annual Workplan**

Source: California Environmental Protection Agency

Telephone: 916-323-3400

Known Hazardous Waste Sites. California DTSC's Annual Workplan (AWP), formerly BEP, identifies known hazardous substance sites targeted for cleanup.

Date of Government Version: 03/10/00

Date Made Active at EDR: 05/10/00

Database Release Frequency: Annually

Date of Data Arrival at EDR: 04/10/00

Elapsed ASTM days: 30

Date of Last EDR Contact: 07/31/00

### **CAL-SITES (ASPIS): Calsites**

Source: Department of Toxic Substance Control

Telephone: 916-323-3400

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.

Date of Government Version: 04/01/00

Date Made Active at EDR: 05/26/00

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 04/24/00

Elapsed ASTM days: 32

Date of Last EDR Contact: 06/15/00

### **CHMIRS: California Hazardous Material Incident Report System**

Source: Office of Emergency Services

Telephone: 916-464-3283

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 12/31/94

Date Made Active at EDR: 04/24/95

Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 03/13/95

Elapsed ASTM days: 42

Date of Last EDR Contact: 06/07/00

### **CORTESE: Cortese**

Source: CAL EPA/Office of Emergency Information

Telephone: 916-327-1848

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 04/01/98

Date Made Active at EDR: 09/23/98

Database Release Frequency: Varies

Date of Data Arrival at EDR: 08/26/98

Elapsed ASTM days: 28

Date of Last EDR Contact: 07/31/00

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### **NOTIFY 65: Proposition 65**

Source: State Water Resources Control Board  
Telephone: 916-657-0696

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: 10/21/93  
Date Made Active at EDR: 11/19/93  
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 11/01/93  
Elapsed ASTM days: 18  
Date of Last EDR Contact: 07/25/00

### **TOXIC PITS: Toxic Pits**

Source: State Water Resources Control Board  
Telephone: 916-227-4364

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: 07/01/95  
Date Made Active at EDR: 09/26/95  
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 08/30/95  
Elapsed ASTM days: 27  
Date of Last EDR Contact: 08/07/00

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

Source: Integrated Waste Management Board  
Telephone: 916-255-4035

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: 06/13/00  
Date Made Active at EDR: 07/14/00  
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 06/19/00  
Elapsed ASTM days: 25  
Date of Last EDR Contact: 06/19/00

### **WMUDS/SWAT: Waste Management Unit Database**

Source: State Water Resources Control Board  
Telephone: 916-227-4448

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: 04/01/00  
Date Made Active at EDR: 05/10/00  
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 04/10/00  
Elapsed ASTM days: 30  
Date of Last EDR Contact: 06/12/00

### **LUST: Leaking Underground Storage Tank Information System**

Source: State Water Resources Control Board  
Telephone: 916-445-6532

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: 04/11/00  
Date Made Active at EDR: 06/08/00  
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 04/12/00  
Elapsed ASTM days: 57  
Date of Last EDR Contact: 07/10/00

### **CA UST:**

#### **UST: Hazardous Substance Storage Container Database**

Source: State Water Resources Control Board  
Telephone: 916-227-4408

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: 10/15/90  
Date Made Active at EDR: 02/12/91  
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 01/25/91  
Elapsed ASTM days: 18  
Date of Last EDR Contact: 07/19/00

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### **BEP: Bond Expenditure Plan**

Source: Department of Health Services  
Telephone: 916-255-2118

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: 01/01/89  
Date Made Active at EDR: 08/02/94  
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 07/27/94  
Elapsed ASTM days: 6  
Date of Last EDR Contact: 05/31/94

### **FID: Facility Inventory Database**

Source: California Environmental Protection Agency  
Telephone: 916-445-6532

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: 10/31/94  
Date Made Active at EDR: 09/29/95  
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 09/05/95  
Elapsed ASTM days: 24  
Date of Last EDR Contact: 12/28/98

### **STATE OF CALIFORNIA ASTM SUPPLEMENTAL RECORDS**

#### **AST: Aboveground Petroleum Storage Tank Facilities**

Source: State Water Resources Control Board  
Telephone: 916-227-4382

Registered Aboveground Storage Tanks.

Date of Government Version: 06/08/00  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 08/07/00  
Date of Next Scheduled EDR Contact: 11/06/00

#### **WDS: Waste Discharge System**

Source: State Water Resources Control Board  
Telephone: 916-657-1571

Sites which have been issued waste discharge requirements.

Date of Government Version: 03/22/00  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/26/00  
Date of Next Scheduled EDR Contact: 09/25/00

#### **HAZNET: Hazardous Waste Information System**

Source: California Environmental Protection Agency  
Telephone: 916-324-1781

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: 12/31/98  
Database Release Frequency: Annually

Date of Last EDR Contact: 05/26/00  
Date of Next Scheduled EDR Contact: 08/14/00

### **LOCAL RECORDS**

#### **ALAMEDA COUNTY:**

##### **Local Oversight Program Listing of UGT Cleanup Sites**

Source: Alameda County Environmental Health Services  
Telephone: 510-567-6700

Date of Government Version: 01/03/00  
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 08/01/00  
Date of Next Scheduled EDR Contact: 10/30/00



## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### Underground Tanks

Source: Alameda County Environmental Health Services  
Telephone: 510-567-6700

Date of Government Version: 01/03/00  
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 08/01/00  
Date of Next Scheduled EDR Contact: 10/30/00

### CONTRA COSTA COUNTY:

#### SL: Site List

Source: Contra Costa Health Services Department  
Telephone: 925-646-2286

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

Date of Government Version: 05/08/00  
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 06/05/00  
Date of Next Scheduled EDR Contact: 09/04/00

### KERN COUNTY:

#### UST: Sites & Tanks Listing

Source: Kern County Environment Health Services Department  
Telephone: 661-862-8700  
Kern County Sites and Tanks Listing.

Date of Government Version: 06/09/99  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/09/00  
Date of Next Scheduled EDR Contact: 09/04/00

### LOS ANGELES COUNTY:

#### SWF/LF: List of Solid Waste Facilities

Source: La County Department of Public Works  
Telephone: 818-458-5185

Date of Government Version: 09/16/98  
Database Release Frequency: Annually

Date of Last EDR Contact: 05/25/00  
Date of Next Scheduled EDR Contact: 08/21/00

#### CA City of El Segundo UST

Source: City of El Segundo Fire Department  
Telephone: 310-607-2239

Date of Government Version: 02/01/00  
Database Release Frequency: N/A

Date of Last EDR Contact: 05/22/00  
Date of Next Scheduled EDR Contact: 08/21/00

#### CA City of Long Beach UST

Source: City of Long Beach Fire Department  
Telephone: 562-570-2543

Date of Government Version: 10/01/99  
Database Release Frequency: N/A

Date of Last EDR Contact: 05/31/00  
Date of Next Scheduled EDR Contact: 08/28/00

#### CA City of Torrance UST

Source: City of Torrance Fire Department  
Telephone: 310-618-2973

Date of Government Version: 02/01/00  
Database Release Frequency: N/A

Date of Last EDR Contact: 05/22/00  
Date of Next Scheduled EDR Contact: 08/21/00

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### City of Los Angeles Landfills

Source: Engineering & Construction Division  
Telephone: 213-473-7869

Date of Government Version: 08/31/99  
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 06/21/00  
Date of Next Scheduled EDR Contact: 09/18/00

### HMS: Street Number List

Source: Department of Public Works  
Telephone: 626-458-3517  
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 12/01/99  
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 07/28/00  
Date of Next Scheduled EDR Contact: 10/09/00

### Site Mitigation List

Source: Community Health Services  
Telephone: 323-890-7806  
Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 06/02/00  
Database Release Frequency: Annually

Date of Last EDR Contact: 05/22/00  
Date of Next Scheduled EDR Contact: 08/21/00

### San Gabriel Valley Areas of Concern

Source: EPA Region 9  
Telephone: 415-744-2407  
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 12/31/98  
Database Release Frequency: N/A

Date of Last EDR Contact: 06/29/99  
Date of Next Scheduled EDR Contact: N/A

### MARIN COUNTY:

#### UST Sites

Source: Public Works Department Waste Management  
Telephone: 415-499-6647  
Currently permitted USTs in Marin County.

Date of Government Version: 03/01/99  
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 08/08/00  
Date of Next Scheduled EDR Contact: 11/06/00

### NAPA COUNTY:

#### LUST: Sites With Reported Contamination

Source: Napa County Department of Environmental Management  
Telephone: 707-253-4269

Date of Government Version: 08/27/99  
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 07/05/00  
Date of Next Scheduled EDR Contact: 10/02/00

#### UST: Closed and Operating Underground Storage Tank Sites

Source: Napa County Department of Environmental Management  
Telephone: 707-253-4269

Date of Government Version: 08/30/99  
Database Release Frequency: Annually

Date of Last EDR Contact: 07/05/00  
Date of Next Scheduled EDR Contact: 09/18/00

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ORANGE COUNTY:

### LUST: List of Underground Storage Tank Cleanups

Source: Health Care Agency  
Telephone: 714-834-3446  
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 04/04/00  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/12/00  
Date of Next Scheduled EDR Contact: 09/11/00

### UST: List of Underground Storage Tank Facilities

Source: Health Care Agency  
Telephone: 714-834-3446  
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 04/04/00  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/12/00  
Date of Next Scheduled EDR Contact: 09/11/00

### List of Industrial Site Cleanups

Source: Health Care Agency  
Telephone: 714-834-3446  
Petroleum and non-petroleum spills.

Date of Government Version: 01/19/99  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/12/00  
Date of Next Scheduled EDR Contact: 09/11/00

## PLACER COUNTY:

### MS: Master List of Facilities

Source: Placer County Health and Human Services  
Telephone: 530-889-7335  
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 04/11/00  
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 06/26/00  
Date of Next Scheduled EDR Contact: 09/25/00

## RIVERSIDE COUNTY:

### LUST: Listing of Underground Tank Cleanup Sites

Source: Department of Public Health  
Telephone: 909-358-5055  
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 04/03/00  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/25/00  
Date of Next Scheduled EDR Contact: 10/23/00

### UST: Tank List

Source: Health Services Agency  
Telephone: 909-358-5055

Date of Government Version: 01/04/00  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/25/00  
Date of Next Scheduled EDR Contact: 10/23/00

## SACRAMENTO COUNTY:

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### Toxisite List

Source: Sacramento County Environmental Management  
Telephone: 916-875-8450

Date of Government Version: 12/01/98  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 08/09/00  
Date of Next Scheduled EDR Contact: 11/06/00

### ML: Regulatory Compliance Master List

Source: Sacramento County Environmental Management  
Telephone: 916-875-8450

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

Date of Government Version: 04/01/99  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 08/09/00  
Date of Next Scheduled EDR Contact: 11/06/00

### SAN BERNARDINO COUNTY:

#### DEHS Permit System Print-Out By Location

Source: San Bernardino County Fire Department Hazardous Materials Division  
Telephone: 909-387-3041

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: 07/01/00  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/12/00  
Date of Next Scheduled EDR Contact: 09/11/00

### SAN DIEGO COUNTY:

#### SWF/LF: Solid Waste Facilities

Source: Department of Health Services  
Telephone: 619-338-2209  
San Diego County Solid Waste Facilities.

Date of Government Version: 07/01/98  
Database Release Frequency: Annually

Date of Last EDR Contact: 06/01/00  
Date of Next Scheduled EDR Contact: 08/28/00

#### HMMD: Hazardous Materials Management Division Database

Source: Hazardous Materials Management Division  
Telephone: 619-338-2268

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: 04/02/00  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/10/00  
Date of Next Scheduled EDR Contact: 10/09/00

### SAN FRANCISCO COUNTY:

#### LUST: Local Oversight Facilities

Source: Department Of Public Health San Francisco County  
Telephone: 415-252-3920

Date of Government Version: 06/13/00  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/12/00  
Date of Next Scheduled EDR Contact: 09/11/00

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### Underground Storage Tank Information

Source: Department of Public Health  
Telephone: 415-252-3920

Date of Government Version: 06/13/00  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/12/00  
Date of Next Scheduled EDR Contact: 09/11/00

### SAN MATEO COUNTY:

#### LUST: Fuel Leak List

Source: San Mateo County Environmental Health Services Division  
Telephone: 650-363-1921

Date of Government Version: 04/05/00  
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 07/31/00  
Date of Next Scheduled EDR Contact: 10/30/00

#### Business Inventory

Source: San Mateo County Environmental Health Services Division  
Telephone: 650-363-1921

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

Date of Government Version: 06/24/99  
Database Release Frequency: Annually

Date of Last EDR Contact: 07/25/00  
Date of Next Scheduled EDR Contact: 10/16/00

### SANTA CLARA COUNTY:

#### LUST: Fuel Leak Site Activity Report

Source: Santa Clara Valley Water District  
Telephone: 408-927-0710

Date of Government Version: 12/31/99  
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 07/07/00  
Date of Next Scheduled EDR Contact: 10/02/00

#### Hazmat Facilities

Source: City of San Jose Fire Department  
Telephone: 408-277-4659

Date of Government Version: 03/20/00  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/12/00  
Date of Next Scheduled EDR Contact: 09/11/00

### SOLANO COUNTY:

#### LUST: Leaking Underground Storage Tanks

Source: Solano County Department of Environmental Management  
Telephone: 707-421-6770

Date of Government Version: 06/01/00  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/19/00  
Date of Next Scheduled EDR Contact: 09/18/00

#### UST: Underground Storage Tanks

Source: Solano County Department of Environmental Management  
Telephone: 707-421-6770

Date of Government Version: 06/01/00  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/19/00  
Date of Next Scheduled EDR Contact: 09/18/00

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### SONOMA COUNTY:

#### LUST Sites

Source: Department of Health Services  
Telephone: 707-525-6565

Date of Government Version: 05/16/00  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/31/00  
Date of Next Scheduled EDR Contact: 10/30/00

### SUTTER COUNTY:

#### UST: Underground Storage Tanks

Source: Sutter County Department of Agriculture  
Telephone: 530-741-7504

Date of Government Version: 07/01/00  
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 07/11/00  
Date of Next Scheduled EDR Contact: 10/09/00

### VENTURA COUNTY:

#### SWF/LF: Inventory of Illegal Abandoned and Inactive Sites

Source: Environmental Health Division  
Telephone: 805-654-2813

Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 06/01/99  
Database Release Frequency: Annually

Date of Last EDR Contact: 05/31/00  
Date of Next Scheduled EDR Contact: 08/28/00

#### LUST: Listing of Underground Tank Cleanup Sites

Source: Environmental Health Division  
Telephone: 805-654-2813

Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 02/24/00  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/19/00  
Date of Next Scheduled EDR Contact: 09/18/00

#### UST: Underground Tank Closed Sites List

Source: Environmental Health Division  
Telephone: 805-654-2813

Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 02/24/00  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/19/00  
Date of Next Scheduled EDR Contact: 10/16/00

#### BWT: Business Plan, Hazardous Waste Producers, and Operating Underground Tanks

Source: Ventura County Environmental Health Division  
Telephone: 805-654-2813

The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 06/09/00  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/19/99  
Date of Next Scheduled EDR Contact: 09/18/00

### YOLO COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## Underground Storage Tank Comprehensive Facility Report

Source: Yolo County Department of Health  
Telephone: 530-666-8646

Date of Government Version: 02/16/00  
Database Release Frequency: Annually

Date of Last EDR Contact: 07/25/00  
Date of Next Scheduled EDR Contact: 10/23/00

## California Regional Water Quality Control Board (RWQCB) LUST Records

### LUST REG 1: Active Toxic Site Investigation

Source: California Regional Water Quality Control Board North Coast (1)  
Telephone: 707-576-2220

Date of Government Version: 02/01/00  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 05/30/00  
Date of Next Scheduled EDR Contact: 08/28/00

### LUST REG 2: Fuel Leak List

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)  
Telephone: 510-286-0457

Date of Government Version: 06/01/00  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/17/00  
Date of Next Scheduled EDR Contact: 10/16/00

### LUST REG 3: LUSTIS Database

Source: California Regional Water Quality Control Board Central Coast Region (3)  
Telephone: 805-549-3147

Date of Government Version: 05/01/00  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 05/26/00  
Date of Next Scheduled EDR Contact: 08/21/00

### LUST REG 4: Underground Storage Tank Leak List

Source: California Regional Water Quality Control Board Los Angeles Region (4)  
Telephone: 213-266-6600

Date of Government Version: 05/16/00  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/07/00  
Date of Next Scheduled EDR Contact: 10/02/00

### LUST REG 5: Leaking Underground Storage Tank Database

Source: California Regional Water Quality Control Board Central Valley Region (5)  
Telephone: 916-255-3125

Date of Government Version: 05/01/00  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/10/00  
Date of Next Scheduled EDR Contact: 10/09/00

### LUST REG 6L: Leaking Underground Storage Tank Case Listing

Source: California Regional Water Quality Control Board Lahontan Region (6)  
Telephone: 916-542-5424

Date of Government Version: 07/12/00  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/12/00  
Date of Next Scheduled EDR Contact: 10/09/00

### LUST REG 6V: Leaking Underground Storage Tank Case Listing

Source: California Regional Water Quality Control Board Victorville Branch Office (6)  
Telephone: 760-346-7491

Date of Government Version: 04/01/00  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/10/00  
Date of Next Scheduled EDR Contact: 10/09/00

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

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)  
Telephone: 760-346-7491

Date of Government Version: 04/27/00  
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 07/05/00  
Date of Next Scheduled EDR Contact: 10/02/00

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### **LUST REG 8: (LUSTIS) Leaking Underground Storage Tanks**

Source: California Regional Water Quality Control Board Santa Ana Region (8)  
Telephone: 909-782-4498

Date of Government Version: 05/10/00  
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 05/15/00  
Date of Next Scheduled EDR Contact: 08/14/00

### **LUST REG 9: Leaking Underground Storage Tank Report**

Source: California Regional Water Quality Control Board San Diego Region (9)  
Telephone: 619-467-2952

Date of Government Version: 05/25/00  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/24/00  
Date of Next Scheduled EDR Contact: 10/23/00

## **California Regional Water Quality Control Board (RWQCB) SLIC Records**

### **SLIC REG 1: Active Toxic Site Investigations**

Source: California Regional Water Quality Control Board, North Coast Region (1)  
Telephone: 707-576-2220

Date of Government Version: 02/01/00  
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 05/30/00  
Date of Next Scheduled EDR Contact: 08/28/00

### **SLIC REG 2: North and South Bay Slc Report**

Source: Regional Water Quality Control Board San Francisco Bay Region (2)  
Telephone: 510-286-0457

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

Date of Government Version: 04/01/00  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/20/00  
Date of Next Scheduled EDR Contact: 10/16/00

### **SLIC REG 3: SLIC Data**

Source: California Regional Water Quality Control Board Central Coast Region (3)  
Telephone: 805-549-3147

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

Date of Government Version: 05/01/00  
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 05/26/00  
Date of Next Scheduled EDR Contact: 08/21/00

### **SLIC REG 4: SLIC Sites**

Source: Region Water Quality Control Board Los Angeles Region (4)  
Telephone: 213-576-6600

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

Date of Government Version: 05/01/00  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/31/00  
Date of Next Scheduled EDR Contact: 10/30/00

### **SLIC REG 5: SLIC List**

Source: Regional Water Quality Control Board Central Valley Region (5)  
Telephone: 916-855-3075

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

Date of Government Version: 01/03/00  
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 07/12/00  
Date of Next Scheduled EDR Contact: 10/09/00

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

Source: Regional Water Quality Control Board, Victorville Branch  
Telephone: 619-241-6583

Date of Government Version: 12/01/98  
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 07/11/00  
Date of Next Scheduled EDR Contact: 10/09/00



## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### SLIC REG 8: SLIC List

Source: California Region Water Quality Control Board Santa Ana Region (8)  
Telephone: 909-782-3298

Date of Government Version: 07/27/99  
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 07/13/00  
Date of Next Scheduled EDR Contact: 10/09/00

### SLIC REG 9: SLIC List

Source: California Regional Water Quality Control Board San Diego Region (9)  
Telephone: 858-467-2980

Date of Government Version: 06/01/00  
Database Release Frequency: Annually

Date of Last EDR Contact: 06/13/00  
Date of Next Scheduled EDR Contact: 09/04/00

### EDR PROPRIETARY DATABASES

**Former Manufactured Gas (Coal Gas) Sites:** The existence and location of Coal Gas sites is provided exclusively to EDR by Real Property Scan, Inc. ©Copyright 1993 Real Property Scan, Inc. For a technical description of the types of hazards which may be found at such sites, contact your EDR customer service representative.

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The information contained in this report has predominantly been obtained from publicly available sources produced by entities other than Real Property Scan. While reasonable steps have been taken to insure the accuracy of this report, Real Property Scan does not guarantee the accuracy of this report. Any liability on the part of Real Property Scan is strictly limited to a refund of the amount paid. No claim is made for the actual existence of toxins at any site. This report does not constitute a legal opinion.

### HISTORICAL AND 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.

**Oil/Gas Pipelines/Electrical Transmission Lines:** 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 and electrical transmission lines.

**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.

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

## GEOCHECK®- PHYSICAL SETTING SOURCE ADDENDUM

### TARGET PROPERTY ADDRESS

PRAXAIR, INC./ALLIANCE GAS PRODUCTS  
901 EMBARCADERO  
OAKLAND, CA 94606

### TARGET PROPERTY COORDINATES

Latitude (North):	37.789200 - 37° 47' 21.1"
Longitude (West):	122.254501 - 122° 15' 16.2"
Universal Transverse Mercator:	Zone 10
UTM X (Meters):	565641.9
UTM Y (Meters):	4182483.2

EDR's GeoCheck Physical Setting Source Addendum has been developed to assist the environmental professional with the collection of physical setting source information in accordance with ASTM 1527-00, Section 7.2.3. Section 7.2.3 requires that a current USGS 7.5 Minute Topographic Map (or equivalent, such as the USGS Digital Elevation Model) be reviewed. It also requires that one or more additional physical setting sources be sought when (1) conditions have been identified in which hazardous substances or petroleum products are likely to migrate to or from the property, and (2) more information than is provided in the current USGS 7.5 Minute Topographic Map (or equivalent) is generally obtained, pursuant to local good commercial or customary practice, to assess the impact of migration of recognized environmental conditions in connection with the property. Such additional physical setting sources generally include information about the topographic, hydrologic, hydrogeologic, and geologic characteristics of a site, and wells in the area.

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. 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.

## 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.

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH THIS SITE

Target Property: 2437122-G3 OAKLAND WEST, CA  
Source: USGS 7.5 min quad index

### GENERAL TOPOGRAPHIC GRADIENT AT TARGET PROPERTY

Target Property: General West

Source: General Topographic Gradient has been determined from the USGS 1 Degree 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.

### 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> ALAMEDA, CA	<u>FEMA Q3 Flood Data Electronic Coverage</u> YES
Flood Plain Panel at Target Property: Additional Panels in search area:	0650480015B / CBPP 0650480020B / CBPP 0600020005B / CBPP 0650480025B / CBPP

### NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u> OAKLAND WEST	<u>NWI Electronic Coverage</u> YES
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### 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.

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### Site-Specific Hydrogeological Data\*:

Search Radius: 2.0 miles  
 Location Relative to TP: 1 - 2 Miles West  
 Site Name: Naval Supply Center, Alameda Annex & Facility  
 Site EPA ID Number: CA1170090012  
 Groundwater Flow Direction: Southeast  
 Measured Depth to Water: 5 feet.  
 Hydraulic Connection: Information is not available about the hydraulic connection between aquifer(s) underlying the site.  
 Sole Source Aquifer: No information about a sole source aquifer is available  
 Data Quality: Information based on site-specific subsurface investigations is documented in the CERCLIS investigation report(s)

### AQUIFLOW®

Search Radius: 2.000 Miles.

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

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
1	0 - 1/8 Mile NW	E
A2	1/4 - 1/2 Mile NNW	NW
3	1/4 - 1/2 Mile NW	SW
A4	1/4 - 1/2 Mile NW	SE
5	1/4 - 1/2 Mile ENE	S, SW
A6	1/4 - 1/2 Mile North	N
A7	1/4 - 1/2 Mile North	N
A8	1/4 - 1/2 Mile North	N
B9	1/2 - 1 Mile ESE	WSW
B10	1/2 - 1 Mile ESE	WSW
B11	1/2 - 1 Mile ESE	WSW
12	1/2 - 1 Mile NW	NW
13	1/2 - 1 Mile SSE	NNE
C14	1/2 - 1 Mile WNW	SE
D15	1/2 - 1 Mile NNE	SW,W,Varies
D16	1/2 - 1 Mile NNE	SW,W,Varies
D17	1/2 - 1 Mile NNE	SW,W,Varies
E18	1/2 - 1 Mile North	E
E19	1/2 - 1 Mile North	E
C20	1/2 - 1 Mile WNW	Not Reported
F21	1/2 - 1 Mile SSW	NE
F22	1/2 - 1 Mile SSW	Varies
F23	1/2 - 1 Mile SSW	Varies
G24	1/2 - 1 Mile South	N
G25	1/2 - 1 Mile South	W
G26	1/2 - 1 Mile South	W
G27	1/2 - 1 Mile South	NW
H28	1 - 2 Miles NW	N
I29	1 - 2 Miles NNW	N
I30	1 - 2 Miles NNW	W
J31	1 - 2 Miles ESE	SE
H32	1 - 2 Miles NW	Varies
33	1 - 2 Miles WSW	NE,NW,Varies

\* ©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

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
J34	1 - 2 Miles ESE	SW
H35	1 - 2 Miles NW	NW
H36	1 - 2 Miles NW	NW
H37	1 - 2 Miles NW	Varies
K38	1 - 2 Miles SSE	N
K39	1 - 2 Miles SSE	N
40	1 - 2 Miles WNW	SW
L41	1 - 2 Miles SSW	Varies
L42	1 - 2 Miles SSW	SE
M43	1 - 2 Miles West	N
I44	1 - 2 Miles NNW	W
J45	1 - 2 Miles ESE	Varies
J46	1 - 2 Miles ESE	NE
L47	1 - 2 Miles SSW	Varies
N48	1 - 2 Miles SE	NW
M49	1 - 2 Miles West	Varies
M50	1 - 2 Miles West	Varies
M51	1 - 2 Miles West	N, E
O52	1 - 2 Miles ESE	NW
O53	1 - 2 Miles ESE	N
P54	1 - 2 Miles NW	NE
P55	1 - 2 Miles NW	NE
N56	1 - 2 Miles ESE	Not Reported
Q57	1 - 2 Miles SW	Varies
Q58	1 - 2 Miles SW	Varies
Q59	1 - 2 Miles SW	W
Q60	1 - 2 Miles SW	W
Q61	1 - 2 Miles SW	Varies
Q62	1 - 2 Miles SW	Varies
Q63	1 - 2 Miles SW	Varies
R64	1 - 2 Miles NNW	E
R65	1 - 2 Miles NNW	NE
S66	1 - 2 Miles SE	SW
67	1 - 2 Miles WNW	SE
S68	1 - 2 Miles SE	SE
R69	1 - 2 Miles NNW	NE
R70	1 - 2 Miles NNW	NE
R71	1 - 2 Miles NNW	NE, E, SE
72	1 - 2 Miles NW	N, S
T73	1 - 2 Miles WSW	SW
T74	1 - 2 Miles WSW	N
T75	1 - 2 Miles WSW	N,SE,Varies
R76	1 - 2 Miles NNW	SW
R77	1 - 2 Miles NNW	SW
U78	1 - 2 Miles North	S
U79	1 - 2 Miles North	NW
80	1 - 2 Miles North	SW
R81	1 - 2 Miles NNW	NNE,SE,S,SW
T82	1 - 2 Miles SW	Varies
T83	1 - 2 Miles SW	Varies
T84	1 - 2 Miles SW	SE
V85	1 - 2 Miles NNE	Varies
86	1 - 2 Miles NNW	E
S87	1 - 2 Miles SE	N
88	1 - 2 Miles SSW	SW
W89	1 - 2 Miles SW	NE

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
90	1 - 2 Miles South	NW
W91	1 - 2 Miles SW	NW
W92	1 - 2 Miles SW	NW
93	1 - 2 Miles NE	E
X94	1 - 2 Miles SSE	NE
Y95	1 - 2 Miles SE	Varies
Z96	1 - 2 Miles NW	S
AA97	1 - 2 Miles ENE	E
AA98	1 - 2 Miles ENE	E
99	1 - 2 Miles SSE	N, SE
Y100	1 - 2 Miles SE	SW
X101	1 - 2 Miles SSE	NE
X102	1 - 2 Miles SSE	NE
Z103	1 - 2 Miles NW	E
104	1 - 2 Miles WSW	Varies
AB105	1 - 2 Miles SW	E, W
W106	1 - 2 Miles SW	SW
W107	1 - 2 Miles SW	Varies
W108	1 - 2 Miles SW	SW
W109	1 - 2 Miles SW	Varies
W110	1 - 2 Miles SW	Varies
AC111	1 - 2 Miles NNW	N,W,Varies
AC112	1 - 2 Miles NNW	N
V113	1 - 2 Miles NNE	N
114	1 - 2 Miles ESE	N, S, Varies
AC115	1 - 2 Miles NNW	Varies
AB116	1 - 2 Miles SW	Varies
AB117	1 - 2 Miles SW	Varies
AD118	1 - 2 Miles SE	N
AD119	1 - 2 Miles SE	SW
AE120	1 - 2 Miles NNW	SE
AE121	1 - 2 Miles NNW	E, W
AE122	1 - 2 Miles NNW	SW
AD123	1 - 2 Miles SE	NE
AE124	1 - 2 Miles NNW	NE
AF125	1 - 2 Miles SSE	NW
AD126	1 - 2 Miles SSE	Varies
AD127	1 - 2 Miles SSE	Varies
AF128	1 - 2 Miles SSE	NW
AF129	1 - 2 Miles SSE	NW
AD130	1 - 2 Miles SSE	Varies
AD131	1 - 2 Miles SSE	NE
AE132	1 - 2 Miles NNW	SW
AF133	1 - 2 Miles SSE	NNE
AD134	1 - 2 Miles SSE	NE
AD135	1 - 2 Miles SSE	SE
AD136	1 - 2 Miles SSE	Varies
AD137	1 - 2 Miles SSE	NE
AD138	1 - 2 Miles SSE	SE
AG139	1 - 2 Miles SSE	Varies
AG140	1 - 2 Miles SSE	NE,NW,Varies
AG141	1 - 2 Miles SSE	NW
AH142	1 - 2 Miles WSW	NW
AH143	1 - 2 Miles WSW	Not Reported
AH144	1 - 2 Miles WSW	NW
AI145	1 - 2 Miles NNW	SW

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
AG146	1 - 2 Miles SSE	Varies
AF147	1 - 2 Miles SSE	N
AF148	1 - 2 Miles SSE	NNE
AF149	1 - 2 Miles SSE	NNE
AJ150	1 - 2 Miles SSE	NE
AJ151	1 - 2 Miles SSE	NE
AI152	1 - 2 Miles NNW	W
AK153	1 - 2 Miles SE	Not Reported
AK154	1 - 2 Miles SE	Not Reported
AL155	1 - 2 Miles SSE	SW
AL156	1 - 2 Miles SSE	SW
AJ157	1 - 2 Miles SSE	NE
158	1 - 2 Miles NNW	S
AL159	1 - 2 Miles SSE	NE
AK160	1 - 2 Miles SE	S
AL161	1 - 2 Miles SSE	SW
162	1 - 2 Miles NNW	Not Reported
163	1 - 2 Miles NW	Varies
164	1 - 2 Miles WNW	N
AL165	1 - 2 Miles SSE	Varies
AL166	1 - 2 Miles SSE	Varies
167	1 - 2 Miles SSE	W

For additional site information, refer to Physical Setting Source Map Findings.

### 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

Geologic Code: Q  
 Era: Cenozoic  
 System: Quaternary  
 Series: Quaternary

#### 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.

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

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

Soil Layer Information						
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)
	Upper	Lower		AASHTO Group	Unified Soil	
1	0 inches	6 inches	variable	Not reported	Not reported	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: sand  
loamy sand  
silty clay loam

Surficial Soil Types: sand  
loamy sand  
silty clay loam

Shallow Soil Types: No Other Soil Types

Deeper Soil Types: sand  
fine sand  
stratified

### ADDITIONAL ENVIRONMENTAL RECORD SOURCES

According to ASTM E 1527-00, Section 7.2.2, "one or more additional state or local sources of environmental records may be checked, in the discretion of the environmental professional, to enhance and supplement federal and state sources... Factors to consider in determining which local or additional state records, if any, should be checked include (1) whether they are reasonably ascertainable, (2) whether they are sufficiently useful, accurate, and complete in light of the objective of the records review (see 7.1.1), and (3) whether they are obtained, pursuant to local, good commercial or customary practice." One of the record sources listed in Section 7.2.2 is water well information. Water well information can be used to assist the environmental professional in assessing sources that may impact groundwater flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.



# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## WELL SEARCH DISTANCE INFORMATION

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

## FEDERAL USGS WELL INFORMATION

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

## FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

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

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

## STATE DATABASE WELL INFORMATION

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

# PHYSICAL SETTING SOURCE MAP - 0531666.3r



- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Water Wells
- Public Water Supply Wells
- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Cluster of Multiple Icons
- Earthquake epicenter, Richter 5 or greater
- Closest Hydrogeological Data
- Oil, gas or related wells

<b>TARGET PROPERTY:</b>	Praxair, Inc./Alliance Gas Products	<b>CUSTOMER:</b>	Kennedy/Jenks Consultants
<b>ADDRESS:</b>	901 Embarcadero	<b>CONTACT:</b>	Tom Venus
<b>CITY/STATE/ZIP:</b>	Oakland CA 94606	<b>INQUIRY #:</b>	0531666.3r
<b>LAT/LONG:</b>	37.7892 / 122.2545	<b>DATE:</b>	August 22, 2000 8:09 pm

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
<b>1</b> NW 0 - 1/8 Mile Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0225 E Not Reported Not Reported Not Reported 09/20/1991	<b>AQUIFLOW</b>	<b>51908</b>
<b>A2</b> NNW 1/4 - 1/2 Mile Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0464 NW 12.25 19.47 Not Reported 11/12/1993	<b>AQUIFLOW</b>	<b>65454</b>
<b>3</b> NW 1/4 - 1/2 Mile Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1194 SW 4.5 5.5 Not Reported 12/09/1991	<b>AQUIFLOW</b>	<b>63891</b>
<b>A4</b> NW 1/4 - 1/2 Mile Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1066 SE Not Reported Not Reported Not Reported 09/20/1988	<b>AQUIFLOW</b>	<b>67424</b>
<b>5</b> ENE 1/4 - 1/2 Mile Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0699 S, SW 5 20 Not Reported 03/10/1998	<b>AQUIFLOW</b>	<b>55949</b>
<b>A6</b> North 1/4 - 1/2 Mile Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-2323 N Not Reported Not Reported 20 07/17/1996	<b>AQUIFLOW</b>	<b>55754</b>
<b>A7</b> North 1/4 - 1/2 Mile Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-2323 N Not Reported Not Reported 20 07/17/1996	<b>AQUIFLOW</b>	<b>55756</b>

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
<b>A8</b> North 1/4 - 1/2 Mile Higher	Site ID:	01-2323	
	Groundwater Flow:	N	<b>AQUIFLOW 55755</b>
	Shallow Water Depth:	Not Reported	
	Deep Water Depth:	Not Reported	
	Average Water Depth:	20	
Date:	07/17/1996		
<b>B9</b> ESE 1/2 - 1 Mile Higher	Site ID:	01-2067	
	Groundwater Flow:	WSW	<b>AQUIFLOW 55936</b>
	Shallow Water Depth:	10.0	
	Deep Water Depth:	10.2	
	Average Water Depth:	Not Reported	
Date:	11/22/1991		
<b>B10</b> ESE 1/2 - 1 Mile Higher	Site ID:	01-2067	
	Groundwater Flow:	WSW	<b>AQUIFLOW 55937</b>
	Shallow Water Depth:	Not Reported	
	Deep Water Depth:	Not Reported	
	Average Water Depth:	9	
Date:	03/26/1996		
<b>B11</b> ESE 1/2 - 1 Mile Higher	Site ID:	01-2067	
	Groundwater Flow:	WSW	<b>AQUIFLOW 55938</b>
	Shallow Water Depth:	Not Reported	
	Deep Water Depth:	Not Reported	
	Average Water Depth:	4	
Date:	11/18/1991		
<b>12</b> NW 1/2 - 1 Mile Higher	Site ID:	01-0880	
	Groundwater Flow:	NW	<b>AQUIFLOW 65392</b>
	Shallow Water Depth:	Not Reported	
	Deep Water Depth:	Not Reported	
	Average Water Depth:	8	
Date:	01/01/1996		
<b>13</b> SSE 1/2 - 1 Mile Higher	Site ID:	01-0288	
	Groundwater Flow:	NNE	<b>AQUIFLOW 52962</b>
	Shallow Water Depth:	0.4	
	Deep Water Depth:	6.0	
	Average Water Depth:	Not Reported	
Date:	04/03/1998		
<b>C14</b> WNW 1/2 - 1 Mile Higher	Site ID:	01-1151	
	Groundwater Flow:	SE	<b>AQUIFLOW 63663</b>
	Shallow Water Depth:	Not Reported	
	Deep Water Depth:	Not Reported	
	Average Water Depth:	5-16	
Date:	04/13/1997		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
<b>D15</b> <b>NNE</b> <b>1/2 - 1 Mile</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1692 SW,W,Varies Not Reported Not Reported 7-22 05/1990	<b>AQUIFLOW</b>	<b>55818</b>
<b>D16</b> <b>NNE</b> <b>1/2 - 1 Mile</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1692 SW,W,Varies 1.66 4.92 Not Reported 10/30/1995	<b>AQUIFLOW</b>	<b>55819</b>
<b>D17</b> <b>NNE</b> <b>1/2 - 1 Mile</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1692 SW,W,Varies Not Reported Not Reported 3-20 07/29/1994	<b>AQUIFLOW</b>	<b>55820</b>
<b>E18</b> <b>North</b> <b>1/2 - 1 Mile</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1074 E Not Reported Not Reported 15 03/08/1995	<b>AQUIFLOW</b>	<b>55833</b>
<b>E19</b> <b>North</b> <b>1/2 - 1 Mile</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1074 E Not Reported Not Reported 20 01/01/1993	<b>AQUIFLOW</b>	<b>55832</b>
<b>C20</b> <b>WNW</b> <b>1/2 - 1 Mile</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-2300 Not Reported Not Reported Not Reported 2-3 10/23/1996	<b>AQUIFLOW</b>	<b>55761</b>
<b>F21</b> <b>SSW</b> <b>1/2 - 1 Mile</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1777 NE 3.31 7.34 Not Reported 06/29/1995	<b>AQUIFLOW</b>	<b>64644</b>

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
<b>F22</b> <b>SSW</b> <b>1/2 - 1 Mile</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1777 Varies 3.31 7.34 Not Reported 06/29/1995	<b>AQUIFLOW</b>	<b>50325</b>
<b>F23</b> <b>SSW</b> <b>1/2 - 1 Mile</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1777 Varies Not Reported Not Reported 10 10/28/1992	<b>AQUIFLOW</b>	<b>50326</b>
<b>G24</b> <b>South</b> <b>1/2 - 1 Mile</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0734 N 4 8 Not Reported 03/28/1996	<b>AQUIFLOW</b>	<b>64649</b>
<b>G25</b> <b>South</b> <b>1/2 - 1 Mile</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0734 W 3.13 8.85 Not Reported 10/10/1996	<b>AQUIFLOW</b>	<b>52506</b>
<b>G26</b> <b>South</b> <b>1/2 - 1 Mile</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0734 W 2.59 8.10 Not Reported 01/20/1996	<b>AQUIFLOW</b>	<b>52505</b>
<b>G27</b> <b>South</b> <b>1/2 - 1 Mile</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0734 NW 2.60 7.63 Not Reported 03/28/1997	<b>AQUIFLOW</b>	<b>52507</b>
<b>H28</b> <b>NW</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1244 N Not Reported Not Reported Not Reported 12/20/1994	<b>AQUIFLOW</b>	<b>64075</b>

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
I29 NNW 1 - 2 Miles Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0055 N Not Reported Not Reported 3 03/03/1989	AQUIFLOW	55915
I30 NNW 1 - 2 Miles Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0055 W Not Reported Not Reported 6 08/26/1996	AQUIFLOW	55914
J31 ESE 1 - 2 Miles Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1455 SE Not Reported Not Reported 20 10/20/1990	AQUIFLOW	63904
H32 NW 1 - 2 Miles Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0582 Varies Not Reported Not Reported 18 02/05/1996	AQUIFLOW	64079
33 WSW 1 - 2 Miles Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1639 NE, NW, Varies 1 5.75 Not Reported 12/1993	AQUIFLOW	50078
J34 ESE 1 - 2 Miles Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-2179 SW Not Reported Not Reported Not Reported 07/17/1996	AQUIFLOW	63922
H35 NW 1 - 2 Miles Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-2307 NW Not Reported Not Reported 12 ft 03/15/1995	AQUIFLOW	51870

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
<b>H36</b> <b>NW</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-2307 NW Not Reported Not Reported 7.50 09/23/1994	<b>AQUIFLOW</b>	<b>51869</b>
<b>H37</b> <b>NW</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1611 Varies Not Reported Not Reported 156 09/19/1997	<b>AQUIFLOW</b>	<b>51534</b>
<b>K38</b> <b>SSE</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-2021 N Not Reported Not Reported 5.4 03/07/1994	<b>AQUIFLOW</b>	<b>52481</b>
<b>K39</b> <b>SSE</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-2021 N Not Reported Not Reported 5.8 01/02/1995	<b>AQUIFLOW</b>	<b>52482</b>
<b>40</b> <b>WNW</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0421 SW Not Reported Not Reported 7 10/28/1996	<b>AQUIFLOW</b>	<b>63810</b>
<b>L41</b> <b>SSW</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0902 Varies 2.20 15.16 Not Reported Not Reported	<b>AQUIFLOW</b>	<b>52322</b>
<b>L42</b> <b>SSW</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0902 SE Not Reported Not Reported 12-13 04/26/1993	<b>AQUIFLOW</b>	<b>52323</b>



## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

<b>M43</b> West 1 - 2 Miles Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1760 N Not Reported Not Reported 10 12/05/1988	<b>AQUIFLOW</b>	<b>67877</b>
<b>I44</b> NNW 1 - 2 Miles Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-2039 W Not Reported Not Reported Not Reported 11/15/1991	<b>AQUIFLOW</b>	<b>64077</b>
<b>J45</b> ESE 1 - 2 Miles Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1317 Varies 7.0 9.0 Not Reported 06/09/1995	<b>AQUIFLOW</b>	<b>52384</b>
<b>J46</b> ESE 1 - 2 Miles Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1317 NE 7.98 9.06 Not Reported 12/01/1993	<b>AQUIFLOW</b>	<b>52385</b>
<b>L47</b> SSW 1 - 2 Miles Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0902 Varies 5.76 9.68 Not Reported 09/30/1992	<b>AQUIFLOW</b>	<b>52321</b>
<b>N48</b> SE 1 - 2 Miles Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0863 NW Not Reported Not Reported 17-18 04/17/1997	<b>AQUIFLOW</b>	<b>66597</b>
<b>M49</b> West 1 - 2 Miles Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-2225 Varies Not Reported Not Reported 2 12/05/1996	<b>AQUIFLOW</b>	<b>52496</b>

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
<b>M50</b> West 1 - 2 Miles Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-2225 Varies 4.0 5.0 Not Reported 03/27/1997	<b>AQUIFLOW</b>	<b>52497</b>
<b>M51</b> West 1 - 2 Miles Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-2225 N, E Not Reported Not Reported 5 03/27/1997	<b>AQUIFLOW</b>	<b>64623</b>
<b>O52</b> ESE 1 - 2 Miles Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1448 NW 9.44 12.56 Not Reported 06/29/1999	<b>AQUIFLOW</b>	<b>52382</b>
<b>O53</b> ESE 1 - 2 Miles Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1448 N Not Reported Not Reported Not Reported 09/19/1988	<b>AQUIFLOW</b>	<b>52383</b>
<b>P54</b> NW 1 - 2 Miles Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0355 NE 2.5 9.5 Not Reported 12/05/1990	<b>AQUIFLOW</b>	<b>52380</b>
<b>P55</b> NW 1 - 2 Miles Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0355 NE 9.5 20.5 Not Reported 08/10/1999	<b>AQUIFLOW</b>	<b>52381</b>
<b>N56</b> ESE 1 - 2 Miles Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0933 Not Reported Not Reported Not Reported 37 ft 03/13/1996	<b>AQUIFLOW</b>	<b>66626</b>

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
<b>Q57</b> <b>SW</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-6063 Varies Not Reported Not Reported 4.5 09/18/1996	<b>AQUIFLOW</b>	<b>52347</b>
<b>Q58</b> <b>SW</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-6063 Varies Not Reported Not Reported 15 09/18/1997	<b>AQUIFLOW</b>	<b>52346</b>
<b>Q59</b> <b>SW</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-2014 W 9.0 12.6 Not Reported 10/28/1995	<b>AQUIFLOW</b>	<b>50334</b>
<b>Q60</b> <b>SW</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-2014 W Not Reported Not Reported 12.5 10/27/1994	<b>AQUIFLOW</b>	<b>50333</b>
<b>Q61</b> <b>SW</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0040 Varies Not Reported Not Reported 15-18 03/05/1997	<b>AQUIFLOW</b>	<b>50324</b>
<b>Q62</b> <b>SW</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0040 Varies 9.0 10.0 Not Reported 03/23/1990	<b>AQUIFLOW</b>	<b>50322</b>
<b>Q63</b> <b>SW</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0040 Varies 6.32 12.12 Not Reported 10/28/1996	<b>AQUIFLOW</b>	<b>50323</b>

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
<b>R64</b> NNW 1 - 2 Miles Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0331 E 16.00 20.17 Not Reported 06/10/1999	<b>AQUIFLOW</b>	<b>52389</b>
<b>R65</b> NNW 1 - 2 Miles Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0331 NE 3.0 13.0 Not Reported 01/27/1988	<b>AQUIFLOW</b>	<b>52390</b>
<b>S66</b> SE 1 - 2 Miles Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-2132 SW Not Reported Not Reported Not Reported 03/26/1996	<b>AQUIFLOW</b>	<b>51857</b>
<b>67</b> WNW 1 - 2 Miles Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1793 SE 5.00 5.30 Not Reported 03/12/1997	<b>AQUIFLOW</b>	<b>55831</b>
<b>S68</b> SE 1 - 2 Miles Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0442 SE Not Reported Not Reported Not Reported 01/30/1989	<b>AQUIFLOW</b>	<b>63906</b>
<b>R69</b> NNW 1 - 2 Miles Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0151 NE Not Reported Not Reported 2 08/23/1995	<b>AQUIFLOW</b>	<b>55931</b>
<b>R70</b> NNW 1 - 2 Miles Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0151 NE Not Reported Not Reported 15 06/28/1995	<b>AQUIFLOW</b>	<b>55930</b>

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
<b>R71</b> <b>NNW</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0151 NE, E, SE 0.041 0.007 Not Reported 06/29/1998	<b>AQUIFLOW</b>	<b>55932</b>
<b>72</b> <b>NW</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1921 N, S Not Reported Not Reported 11 05/26/1994	<b>AQUIFLOW</b>	<b>55882</b>
<b>T73</b> <b>WSW</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0335 SW 4.02 5.75 Not Reported 07/19/1999	<b>AQUIFLOW</b>	<b>52334</b>
<b>T74</b> <b>WSW</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0780 N 3.31 4.91 Not Reported 03/05/1997	<b>AQUIFLOW</b>	<b>49943</b>
<b>T75</b> <b>WSW</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	3695 N,SE,Varies 1.47 4.44 Not Reported 03/20/1996	<b>AQUIFLOW</b>	<b>49940</b>
<b>R76</b> <b>NNW</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1705 SW 5.6 8.5 Not Reported 01/28/1991	<b>AQUIFLOW</b>	<b>55892</b>
<b>R77</b> <b>NNW</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1705 SW Not Reported Not Reported 8.5 04/02/1996	<b>AQUIFLOW</b>	<b>55893</b>

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
<b>U78</b> North 1 - 2 Miles Higher	Site ID:	01-1467		
	Groundwater Flow:	S	<b>AQUIFLOW</b>	<b>67429</b>
	Shallow Water Depth:	Not Reported		
	Deep Water Depth:	Not Reported		
	Average Water Depth:	0.05		
Date:	06/10/1986			
<b>U79</b> North 1 - 2 Miles Higher	Site ID:	01-0878		
	Groundwater Flow:	NW	<b>AQUIFLOW</b>	<b>51910</b>
	Shallow Water Depth:	Not Reported		
	Deep Water Depth:	Not Reported		
	Average Water Depth:	12 ft		
Date:	06/12/1995			
<b>80</b> North 1 - 2 Miles Higher	Site ID:	01-1360		
	Groundwater Flow:	SW	<b>AQUIFLOW</b>	<b>63687</b>
	Shallow Water Depth:	Not Reported		
	Deep Water Depth:	Not Reported		
	Average Water Depth:	5		
Date:	11/17/1994			
<b>R81</b> NNW 1 - 2 Miles Higher	Site ID:	01-1168		
	Groundwater Flow:	NNE,SE,S,SW	<b>AQUIFLOW</b>	<b>55829</b>
	Shallow Water Depth:	4.3		
	Deep Water Depth:	9.0		
	Average Water Depth:	Not Reported		
Date:	03/06/1991			
<b>T82</b> SW 1 - 2 Miles Higher	Site ID:	01-0335		
	Groundwater Flow:	Varies	<b>AQUIFLOW</b>	<b>52337</b>
	Shallow Water Depth:	3.42		
	Deep Water Depth:	4.50		
	Average Water Depth:	Not Reported		
Date:	02/08/1982			
<b>T83</b> SW 1 - 2 Miles Higher	Site ID:	01-0153		
	Groundwater Flow:	Varies	<b>AQUIFLOW</b>	<b>52489</b>
	Shallow Water Depth:	6.11		
	Deep Water Depth:	10.03		
	Average Water Depth:	Not Reported		
Date:	10/06/1995			
<b>T84</b> SW 1 - 2 Miles Higher	Site ID:	01-0517		
	Groundwater Flow:	SE	<b>AQUIFLOW</b>	<b>67875</b>
	Shallow Water Depth:	Not Reported		
	Deep Water Depth:	Not Reported		
	Average Water Depth:	4		
Date:	07/18/1991			

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
<b>V85</b> <b>NNE</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0866 Varies Not Reported Not Reported Not Reported 03/19/1989	<b>AQUIFLOW</b>	<b>63702</b>
<b>86</b> <b>NNW</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-4011 E 4 8 Not Reported 03/18/1993	<b>AQUIFLOW</b>	<b>63635</b>
<b>S87</b> <b>SE</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1823 N 6.26 8.02 Not Reported 09/24/1993	<b>AQUIFLOW</b>	<b>67900</b>
<b>88</b> <b>SSW</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0820 SW Not Reported Not Reported 7-10 07/20/1993	<b>AQUIFLOW</b>	<b>69311</b>
<b>W89</b> <b>SW</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1783 NE Not Reported Not Reported 5 12/15/1992	<b>AQUIFLOW</b>	<b>53618</b>
<b>90</b> <b>South</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1746 NW Not Reported Not Reported 10-11 12/09/1992	<b>AQUIFLOW</b>	<b>69324</b>
<b>W91</b> <b>SW</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0153 NW 5.5 8.0 Not Reported 08/06/1992	<b>AQUIFLOW</b>	<b>52487</b>

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
<b>W92</b> <b>SW</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0153 NW 6.64 6.75 Not Reported 11/18/1994	<b>AQUIFLOW</b>	<b>52488</b>
<b>93</b> <b>NE</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0103 E Not Reported Not Reported 20 07/11/1997	<b>AQUIFLOW</b>	<b>63812</b>
<b>X94</b> <b>SSE</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0429 NE 5.15 6.43 Not Reported 05/10/1989	<b>AQUIFLOW</b>	<b>52973</b>
<b>Y95</b> <b>SE</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1241 Varies 10.00 10.38 Not Reported 05/29/1990	<b>AQUIFLOW</b>	<b>63755</b>
<b>Z96</b> <b>NW</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0233 S Not Reported Not Reported 10 09/02/1987	<b>AQUIFLOW</b>	<b>55975</b>
<b>AA97</b> <b>ENE</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-2145 E 5.7 6.60 Not Reported 10/01/1995	<b>AQUIFLOW</b>	<b>55986</b>
<b>AA98</b> <b>ENE</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-2145 E 15.7 16.6 Not Reported 08/21/1995	<b>AQUIFLOW</b>	<b>55987</b>



## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
<b>99</b> <b>SSE</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1992 N, SE 3.68' 6.99' Not Reported 06/15/1995	<b>AQUIFLOW</b>	<b>69327</b>
<b>Y100</b> <b>SE</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-4880 SW Not Reported Not Reported 5.5 05/18/1996	<b>AQUIFLOW</b>	<b>63789</b>
<b>X101</b> <b>SSE</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0429 NE Not Reported Not Reported 7-7-5 06/06/1991	<b>AQUIFLOW</b>	<b>52974</b>
<b>X102</b> <b>SSE</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0429 NE Not Reported Not Reported 5-10 05/04/1992	<b>AQUIFLOW</b>	<b>52975</b>
<b>Z103</b> <b>NW</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-2232 E Not Reported Not Reported 120 01/07/1987	<b>AQUIFLOW</b>	<b>51544</b>
<b>104</b> <b>WSW</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1767 Varies Not Reported Not Reported 4-10 05/14/1997	<b>AQUIFLOW</b>	<b>50330</b>
<b>AB105</b> <b>SW</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-2220 E, W Not Reported Not Reported 9 ft 01/08/1997	<b>AQUIFLOW</b>	<b>69352</b>

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
<b>W106</b> <b>SW</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID:	01-0628		
	Groundwater Flow:	SW	<b>AQUIFLOW</b>	<b>51897</b>
	Shallow Water Depth:	5.74		
	Deep Water Depth:	9.11		
	Average Water Depth:	Not Reported		
Date:	01/15/1997			
<b>W107</b> <b>SW</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID:	01-0628		
	Groundwater Flow:	Varies	<b>AQUIFLOW</b>	<b>51895</b>
	Shallow Water Depth:	7.26		
	Deep Water Depth:	7.93		
	Average Water Depth:	Not Reported		
Date:	09/28/1992			
<b>W108</b> <b>SW</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID:	01-0628		
	Groundwater Flow:	SW	<b>AQUIFLOW</b>	<b>69349</b>
	Shallow Water Depth:	5.74'		
	Deep Water Depth:	9.11'		
	Average Water Depth:	Not Reported		
Date:	01/15/1997			
<b>W109</b> <b>SW</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID:	01-1839		
	Groundwater Flow:	Varies	<b>AQUIFLOW</b>	<b>51816</b>
	Shallow Water Depth:	4.00		
	Deep Water Depth:	8.25		
	Average Water Depth:	Not Reported		
Date:	07/02/1996			
<b>W110</b> <b>SW</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID:	01-1839		
	Groundwater Flow:	Varies	<b>AQUIFLOW</b>	<b>51814</b>
	Shallow Water Depth:	Not Reported		
	Deep Water Depth:	Not Reported		
	Average Water Depth:	8 ft		
Date:	11/30/1993			
<b>AC111</b> <b>NNW</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID:	01-0341		
	Groundwater Flow:	N,W,Varies	<b>AQUIFLOW</b>	<b>55836</b>
	Shallow Water Depth:	Not Reported		
	Deep Water Depth:	Not Reported		
	Average Water Depth:	20		
Date:	09/14/1989			
<b>AC112</b> <b>NNW</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID:	01-0341		
	Groundwater Flow:	N	<b>AQUIFLOW</b>	<b>55837</b>
	Shallow Water Depth:	Not Reported		
	Deep Water Depth:	Not Reported		
	Average Water Depth:	Not Reported		
Date:	08/17/1988			

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
V113 NNE 1 - 2 Miles Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1588 N Not Reported Not Reported 12-15 06/21/1996	AQUIFLOW	63828
114 ESE 1 - 2 Miles Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1763 N, S, Varies Not Reported Not Reported Not Reported 04/21/1999	AQUIFLOW	55637
AC115 NNW 1 - 2 Miles Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1846 Varies Not Reported Not Reported 20 08/11/1993	AQUIFLOW	63897
AB116 SW 1 - 2 Miles Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0832 Varies 6.76 11.46 Not Reported 10/02/1989	AQUIFLOW	52329
AB117 SW 1 - 2 Miles Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0832 Varies 9.03 10.58 Not Reported 07/12/1999	AQUIFLOW	52324
AD118 SE 1 - 2 Miles Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0042 N Not Reported Not Reported 6.5 06/20/1988	AQUIFLOW	52494
AD119 SE 1 - 2 Miles Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0294 SW Not Reported Not Reported 50.0' 04/22/1991	AQUIFLOW	69335

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
<b>AE120</b> NNW 1 - 2 Miles Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0875 SE Not Reported Not Reported Not Reported 11/09/1988	<b>AQUIFLOW</b>	<b>55889</b>
<b>AE121</b> NNW 1 - 2 Miles Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0875 E, W Not Reported Not Reported Not Reported 10/07/1992	<b>AQUIFLOW</b>	<b>55891</b>
<b>AE122</b> NNW 1 - 2 Miles Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0875 SW Not Reported Not Reported 13 02/15/1989	<b>AQUIFLOW</b>	<b>55890</b>
<b>AD123</b> SE 1 - 2 Miles Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-2169 NE Not Reported Not Reported Not Reported 04/26/1995	<b>AQUIFLOW</b>	<b>69338</b>
<b>AE124</b> NNW 1 - 2 Miles Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-3663 NE Not Reported Not Reported 12 01/29/1988	<b>AQUIFLOW</b>	<b>63934</b>
<b>AF125</b> SSE 1 - 2 Miles Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0657 NW 8.64 9.10 Not Reported 03/22/1992	<b>AQUIFLOW</b>	<b>69329</b>
<b>AD126</b> SSE 1 - 2 Miles Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1258 Varies 5.5 7.5 Not Reported 11/04/1993	<b>AQUIFLOW</b>	<b>52954</b>

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
<b>AD127</b> <b>SSE</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1258 Varies 2.16 4.72 Not Reported 09/13/1996	<b>AQUIFLOW</b>	<b>52955</b>
<b>AF128</b> <b>SSE</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0043 NW Not Reported Not Reported 15 08/16/1993	<b>AQUIFLOW</b>	<b>50291</b>
<b>AF129</b> <b>SSE</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0043 NW Not Reported Not Reported 10 07/13/1992	<b>AQUIFLOW</b>	<b>50292</b>
<b>AD130</b> <b>SSE</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-2219 Varies 4.22 6.50 Not Reported 03/06/1997	<b>AQUIFLOW</b>	<b>52521</b>
<b>AD131</b> <b>SSE</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-2219 NE 6.15 7.01 Not Reported 10/03/1994	<b>AQUIFLOW</b>	<b>52520</b>
<b>AE132</b> <b>NNW</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1469 SW Not Reported Not Reported 16-18 12/01/1988	<b>AQUIFLOW</b>	<b>67866</b>
<b>AF133</b> <b>SSE</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-2152 NNE Not Reported Not Reported 15-20 06/28/1995	<b>AQUIFLOW</b>	<b>69332</b>

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
<b>AD134</b> <b>SSE</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0008 NE Not Reported Not Reported 3.15 07/05/1994	<b>AQUIFLOW</b>	<b>51810</b>
<b>AD135</b> <b>SSE</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0602 SE 3.06 23.07 Not Reported 09/14/1999	<b>AQUIFLOW</b>	<b>52338</b>
<b>AD136</b> <b>SSE</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0008 Varies 10.00 25.00 Not Reported 08/28/1992	<b>AQUIFLOW</b>	<b>51823</b>
<b>AD137</b> <b>SSE</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0008 NE 4.82 8.42 Not Reported 01/02/1991	<b>AQUIFLOW</b>	<b>51822</b>
<b>AD138</b> <b>SSE</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0602 SE 6.25 18.5 Not Reported 06/01/1989	<b>AQUIFLOW</b>	<b>52339</b>
<b>AG139</b> <b>SSE</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1950 Varies Not Reported Not Reported 9.5 07/05/1994	<b>AQUIFLOW</b>	<b>52332</b>
<b>AG140</b> <b>SSE</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0291 NE,NW,Varies 5.13 8.96 Not Reported 04/22/1996	<b>AQUIFLOW</b>	<b>50094</b>

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
<b>AG141</b> <b>SSE</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0291 NW 7.16 9.57 Not Reported 04/15/1992	<b>AQUIFLOW</b>	<b>52509</b>
<b>AH142</b> <b>WSW</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-2311 NW Not Reported Not Reported 4.4 05/29/1998	<b>AQUIFLOW</b>	<b>50320</b>
<b>AH143</b> <b>WSW</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-2311 Not Reported Not Reported Not Reported 4.4 04/13/1998	<b>AQUIFLOW</b>	<b>64629</b>
<b>AH144</b> <b>WSW</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-2311 NW Not Reported Not Reported 7 10/01/1996	<b>AQUIFLOW</b>	<b>50321</b>
<b>AI145</b> <b>NNW</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1466 SW 20.8 22.7 Not Reported 11/04/1997	<b>AQUIFLOW</b>	<b>63631</b>
<b>AG146</b> <b>SSE</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0711 Varies 4.0 6.0 Not Reported 04/29/1987	<b>AQUIFLOW</b>	<b>52333</b>
<b>AF147</b> <b>SSE</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1063 N 7.37 10.16 Not Reported 06/30/1998	<b>AQUIFLOW</b>	<b>52977</b>

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
<b>AF148</b> <b>SSE</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-5808 NNE 8.0 9.5 Not Reported 09/10/1996	<b>AQUIFLOW</b>	<b>52345</b>
<b>AF149</b> <b>SSE</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-5808 NNE 11.0 13.0 Not Reported 01/26/1998	<b>AQUIFLOW</b>	<b>52344</b>
<b>AJ150</b> <b>SSE</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0221 NE 7.5 12.0 Not Reported 11/20/1987	<b>AQUIFLOW</b>	<b>52335</b>
<b>AJ151</b> <b>SSE</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0221 NE 7.04 23.40 Not Reported 04/26/1999	<b>AQUIFLOW</b>	<b>52336</b>
<b>AI152</b> <b>NNW</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1706 W Not Reported Not Reported 40.0 01/11/1996	<b>AQUIFLOW</b>	<b>66329</b>
<b>AK153</b> <b>SE</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-2087 Not Reported Not Reported Not Reported 6.5 12/09/1994	<b>AQUIFLOW</b>	<b>52483</b>
<b>AK154</b> <b>SE</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-2087 Not Reported Not Reported Not Reported 5.5 08/09/1995	<b>AQUIFLOW</b>	<b>52484</b>



## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
<b>AL155</b> <b>SSE</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-05511 SW 8.5 11.0 Not Reported 11/16/1998	<b>AQUIFLOW</b>	<b>52326</b>
<b>AL156</b> <b>SSE</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-05511 SW Not Reported Not Reported 14 12/05/1995	<b>AQUIFLOW</b>	<b>52325</b>
<b>AJ157</b> <b>SSE</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0964 NE 4.83 9.65 Not Reported 05/28/1997	<b>AQUIFLOW</b>	<b>69342</b>
<b>158</b> <b>NNW</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0241 S Not Reported Not Reported 7.9 11/28/1988	<b>AQUIFLOW</b>	<b>63622</b>
<b>AL159</b> <b>SSE</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0139 NE Not Reported Not Reported 14.50 03/18/1988	<b>AQUIFLOW</b>	<b>69340</b>
<b>AK160</b> <b>SE</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0797 S Not Reported Not Reported 2 ft 12/12/1991	<b>AQUIFLOW</b>	<b>69346</b>
<b>AL161</b> <b>SSE</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1708 SW Not Reported Not Reported 15 Not Reported	<b>AQUIFLOW</b>	<b>52952</b>

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
<b>162</b> <b>NNW</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1313 Not Reported Not Reported Not Reported 25-30 02/22/1999	<b>AQUIFLOW</b>	<b>64106</b>
<b>163</b> <b>NW</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-3919 Varies Not Reported Not Reported 14 ft 08/29/1997	<b>AQUIFLOW</b>	<b>51332</b>
<b>164</b> <b>WNW</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0086 N Not Reported Not Reported 10 03/09/1990	<b>AQUIFLOW</b>	<b>63819</b>
<b>AL165</b> <b>SSE</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0090 Varies Not Reported Not Reported 12 11/07/1990	<b>AQUIFLOW</b>	<b>52327</b>
<b>AL166</b> <b>SSE</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0090 Varies 5.0 10.0 Not Reported 09/11/1991	<b>AQUIFLOW</b>	<b>52328</b>
<b>167</b> <b>SSE</b> <b>1 - 2 Miles</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1750 W Not Reported Not Reported Not Reported 05/01/1993	<b>AQUIFLOW</b>	<b>69344</b>

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

Federal EPA Radon Zone for ALAMEDA County: 2

- Note: Zone 1 indoor average level > 4 pCi/L.
- : Zone 2 indoor average level  $\geq$  2 pCi/L and  $\leq$  4 pCi/L.
- : Zone 3 indoor average level < 2 pCi/L.

ALAMEDA COUNTY, CA

Number of sites tested: 49

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.776 pCi/L	100%	0%	0%
Living Area - 2nd Floor	-0.400 pCi/L	100%	0%	0%
Basement	1.338 pCi/L	100%	0%	0%

## PHYSICAL SETTING SOURCE RECORDS SEARCHED

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

### HYDROGEOLOGIC INFORMATION

#### **AQUIFLOW<sup>R</sup> Information System**

Source: EDR proprietary database of groundwater flow information

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

### GEOLOGIC INFORMATION

#### **Geologic Age and Rock Stratigraphic Unit**

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

#### **STATSGO: State Soil Geographic Database**

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.

### ADDITIONAL ENVIRONMENTAL RECORD SOURCES

#### **FEDERAL WATER WELLS**

##### **PWS: Public Water Systems**

Source: EPA/Office of Drinking Water

Telephone: 202-260-2805

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: 202-260-2805

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:** In November 1971 the United States Geological Survey (USGS) implemented a national water resource information tracking system. 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 more than 900,000 wells, springs, and other sources of groundwater.

## PHYSICAL SETTING SOURCE RECORDS SEARCHED

### 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.

#### California Oil and Gas Well Locations for District 2 and 6

Source: Department of Conservation

Telephone: 916-323-1779

### RADON

**Area Radon Information:** 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:** Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

### OTHER

**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.

## **Appendix D**

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### Supplemental Environmental Records

ALAMEDA COUNTY

HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



ENVIRONMENTAL HEALTH SERVICES  
ENVIRONMENTAL PROTECTION (LOP)  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577  
(510) 567-6700  
FAX (510) 337-9335

REMEDIAL ACTION COMPLETION CERTIFICATION

StID 220 - 901 Embarcadero, Oakland, CA

January 24, 1997

Mr. John Edwards  
Liquid Carbonic  
810 Jorie Blvd  
Oak Brook, IL 60521

Ms. Cordelia Clark, Plant Manager  
Liquid Carbonic  
901 Embarcadero  
Oakland, CA 94606

Mr. Neil Werner  
Port of Oakland  
530 Water Street  
Oakland, CA 94607

Dear Messrs. Edwards and Werner, and Ms. Clark:

This letter confirms the completion of site investigation and remedial action for the four former underground storage tanks removed from the above site on September 13, 1989 and February 6, 1990. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former underground storage tanks are greatly appreciated.

Based on information in the above-referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, no further action related to the underground tank release is required.

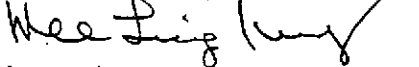
This notice is issued pursuant to a regulation contained in Title 23, Section 2721(e) of the California Code of Regulations.

Edwards, Clark, Werner  
re: RACC at 901 Embarcadero  
January 25, 1997

Page2

Please contact our office if you have any questions regarding  
this matter.

Sincerely,



Mee Ling Tung, Director

cc: Chief, Division of Environmental Protection  
Kevin Graves, RWQCB  
Lori Casias, SWRCB (with attachment)  
Cheryl Gordon, UST Cleanup Fund  
files (liqcarb.5)

ML



## **Appendix E**

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### Site Reconnaissance Photographs



**Photo #1:** View looking southwest at front left loading docks of Building One at 901 Embarcadero. Utility pole and transformer at approximate southeastern property boundary along 10<sup>th</sup> Ave. Note former hydraulic lift under second loading bay, right of bulk compressed gas trailer.



**Photo #2:** View looking west at front right loading docks of Building One. Beige building in right background is furniture warehouse beyond property boundary along 9<sup>th</sup> Avenue at Defremery Avenue..



**Photo #3:** View looking northwest at frontage billboard for Praxair sub-tenant, Alliance Gas Products, along Embarcadero (Behind ivy covered fence). Small amount of miscellaneous solid waste in front of former vehicle maintenance shed with transite-asbestos sheet covering



**Photo #4:** View looking north at former PG&E transformers slab and cage, replaced with pole-mounted transformer (upper right) following June 2000 transformer failure. Utility meter within metal cabinet, left of slab/cage



**Photo #5:** View looking southeast at paint-dust containment bin from bead blast (inside) on northwest side of Building One. Bottom emptying bin too short to directly fill drums. Three containers in left foreground (two garbage cans are full, uncovered drum two-thirds full) are unlabeled.



**Photo #6:** View looking at leaking hydrostatic cylinder testing sump water outside north wall at southern end of Building One. Spilled water in right foreground flows short distance to storm drain drop inlet, then drains to bay.



**Photo #7:** Elevated hydrostatic cylinder testing apparatus over wastewater sump in southwest end of Building One. Bead blast cylinder paint remover in center background, against far wall.



**Photo #8:** Bead blast cylinder paint remover on left, aged electrical circuit breakers to right along northern wall of southwestern end of Building One.



**Photo #9:** Newly constructed paint booth along southwestern wall of Building One. Paint spray booth permit with Bay Area Air Quality District was pending at time of reconnaissance.



**Photo #10:** View of cylinder paints located adjacent to paint spray booth on southwest end of Building One. Black five-gallon can of paint in lower right labeled as "marine pollutant."



**Photo #11:** View of thrown oil and absorbent (yellow when wet) next to leaking piston compressor in attached room on northwest side of Building One.



**Photo #12:** View looking south at acetylene generation and bottling works at Building Two. Underground concrete sludge pit showing signs of spillage in center, right side of building.



**Photo #13:** View looking west at east end of Building Two with bottom-emptying calcium carbide bin on stand in center. Squat red vessel on right is "monkey dust"-containing acetylene purifier.



**Photo #14:** View looking north inside acetylene reactor room in Building Two. Note carbide lime spillage on floor.





**Photo #15:** View looking southwest at underground concrete sludge pit on north side of Building Two, outside of acetylene reactor room with open doors. Note spillage and use of trash pump at far right.



**Photo #16:** View looking south at high pH water pit with four, water/carbide lime settling tanks behind. Port of Oakland 9<sup>th</sup> Avenue Terminal in left background.



**Photo #17:** Acetone drums in uncovered metal containment bin on east side of storage shed north of Building Two. Full acetone drum outside of containment bin. Note corroded metal base of bin and proximity to bare ground. Liquid in foreground from leaking water pipeline



**Photo #18:** View looking east at used cylinder storage area along northern border. Former maintenance shed in background.