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PHASE I ENVIRONMENTAL ASSESSMENT REPORT

US ARMY CORPS OF ENGINEERS
SOUTH PACIFIC DIVISION LABORATORY
25 LIBERTY SHIP WAY
SAUSALITO, CALIFORNIA 94965

PROJECT NO.: U04-2732

DECEMBER 1, 2004
(Revised December 20, 2004)

Prepared for:
Veterans Administration Hospital
San Francisco, California

Prepared by:
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EXECUTIVE SUMMARY

Advanced Solutions Group, Inc. (ASG) conducted a Phase I Environmental Assessment (EA) of the US Army Corps of Engineers (USACOE) South Pacific Division Laboratory Building located at 25 Liberty Ship Way (Lat. 36.8624, Long. –122.4945) in Marin County, California. This EA was conducted in general accordance with the scope and limitations of ASTM Designation E 1527-2000, “Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process”. No exceptions to or deletions from the ASTM E 1527-2000 standard practice and authorized Scope of Services were encountered.

This Executive Summary summarizes the key findings of this assessment based on information and data available to us during the performance of this project. Detailed information regarding these findings is provided in the corresponding section of the text of the report. The report should be read in its entirety to obtain a more complete understanding of the information provided.

Site and Surrounding Property Description Summary

The Site is a rectangular-shaped parcel, consists of approximately 1.79 acres, and is improved with a two-story unoccupied building. The building was originally constructed in the late-1940s and was originally occupied by the US Army Corps of Engineers South Pacific Division Laboratory. In addition, the Site contains asphalt parking and various interior sumps. The building contains a total of approximately 37,800 square feet.

The surrounding property consists of commercial property and a marina, as the Site is located approximately 200 feet west of Richardson Bay.

Findings and Conclusions

Potential recognized environmental conditions associated with the Site include the following:

- Historical Site Usage – A NWP railroad yard and an associated electrical building were on Site since 1909 until the 1950s. The existing Site building was constructed in the late-1940s, according to a previous environmental report and visual evidence on a 1949 aerial photograph. Remnant of the previous railroad spur can currently be seen on Site (east border of Site); however, they are no longer in use. The previous existence of the railroad tracks and electrical building represent a potential recognized environmental concern to the Site due to the nature of their operations.
• Historical adjacent properties – an oil house, an oil tank, the Marin Shipyards, a gas house, and Plaster Works company. Due to the nature of their operations and their relative locations to the Site, these facilities may have had an environmental impact to the Site.

• South Adjacent Property - The Schoonmaker Building is involved with various oil-based wastes. It is cross-gradient; however, it may have impacted the subsurface conditions at the Site. In addition, this facility is on the LUST database and is listed as on-going and having contaminated the groundwater. This leak was discovered in 1994 and remediation is still ongoing. Due to the environmental impact and the relative distance from the Site, this facility may impact the subsurface conditions at the Site.

• North Adjacent Property – The US Army COE, located at the north adjacent property is involved with PCB waste, asbestos waste, and various metal waste. This facility may have impacted the subsurface conditions at the subject Site.

• Nearby Dry Cleaner - Orchid Cleaners, located approximately 200 feet southeast of the Site, is a listed dry cleaning facility. Due to the relative distance of this facility, and the potential nature of dry-cleaning operations, an environmental impact from this facility is possible.

• Previous Investigations - Soil and groundwater samples were collected from the Site in 1999 and detected PCBs and arsenic in the Site soils and Tetrachloroethene (PCE) in the groundwater.

• MLTS - The subject Site address (25 Liberty Ship Way) was listed in the MLTS database. This listing was for the storage of XRF equipment used in the previous on-Site testing laboratory; however, this radioactive source is no longer at the Site and its previous presence should not represent a recognized environmental concern

• Lead-Based Paint - Previous studies detected LBP at the Site. In addition, we conducted a LBP inspection of the property, as issued in November 2004.

• Asbestos Containing Materials - Previous studies detected ACM at the Site. In addition, we conducted an ACM inspection of the property, as issued in November 2004.

**Recommendations**

As a result of this Phase I Environmental Site Assessment, we recommend the following:
• A Phase II subsurface investigation was conducted to analyze the soil and groundwater at the Site. The soil and groundwater, per the requested scope of work, was analyzed for petroleum products and PCBs. This Phase II Subsurface Investigation report was issued by ASG in November 2004.

• Removal of the damaged ACM and peeling LBP. ASG issued the ACM and LBP survey report in November 2004.
1.0 PROJECT DESCRIPTION

1.1 Site Description

ASG performed a Phase I Environmental Assessment (EA) of the South Pacific Division Laboratory Bldg., hereafter referred to as the Site, located at 25 Liberty Ship Way, in Sausalito, Marin County, California. The topographic map of the area, with the Site location marked, is included as Figure 2.

The Site consists of approximately 1.79 acres, improved with a 2-story unoccupied former laboratory building. The Site is located at 25 Liberty Ship Way in Marin County, Sausalito, California. The building contains approximately 37,800 square feet.

1.2 Purpose

The purpose of this EA was to identify the potential for recognized environmental conditions to exist at the Site. The term recognized environmental conditions means the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, ground water, or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include de 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 governmental agencies.

Environmental issues or concerns at a property that are outside the scope of ASTM E1527-2000 that parties may wish to assess include, but are not limited to the following: asbestos-containing materials, radon, lead-based paint, lead in drinking water, wetlands, regulatory compliance, cultural and historic resources, health and safety, ecological resources, endangered species, indoor air quality, and high voltage (EMF) powerlines. These items, unless requested by the client or as deemed relevant to a Site on a case-specific basis, are not included in this EA.

Our Scope of Services for this Phase I EA conforms with the American Society for Testing and Materials (ASTM) due diligence standards detailed in the ASTM document “Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process” (ASTM designation E1527-2000). There were no exceptions to, or deletions from, this practice.
1.3 **Scope of Services**

Services provided for this project included:

- A review of readily available topographic, geologic, and hydrogeologic information pertaining to the Site and surrounding area;
- A review of readily available information regarding historical land use activities at the Site, and interviews with people that have knowledge regarding the past or present uses of the Site;
- Review of environmental reports previously prepared for the Site;
- A reconnaissance of the Site to visually and physically observe the Site for evidence of potential recognized environmental conditions; and
- A limited review of federal, state, and local regulatory information for reported potential environmental hazards on or in the vicinity of the Site.

No sampling or analytical testing was conducted as part of this Phase I EA. This Phase I EA does not constitute a regulatory compliance audit of the Site; however, any obvious issues of noncompliance are noted in the report.

Note that ASG also conducted an asbestos survey, a lead-based paint survey, a mold investigation, and a phase II subsurface investigation in conjunction with this EA, with separate reports being issued in November 2004.

1.4 **User’s Responsibilities and Obligations**

ASG, Inc. has not reported the existence of any environmental liens encumbering the property. ASG, Inc. has not reported any specialized knowledge or experience which would provide important information regarding previous ownership or use of the Site which would be material in identifying recognized environmental conditions; however, we were provided with various previous environmental reports of said property, as discussed in Section 3.7.
2.0 HYDROGEOLOGIC SETTING

Readily available hydrogeologic information was reviewed to evaluate surface and subsurface characteristics in the vicinity of the Site. This section summarizes the results of the hydrogeologic evaluation. Information reviewed for this project is listed in the Reference Section.

2.1 Geologic Setting

The elevation of the Site is approximately 26 feet above mean sea level based on the topographic map reviewed. Based on the Soil Conservation Services STATSGO data, soils beneath the Site surface are composed Urban Land Series, which have variable loamy textures.

Prior to Site development, the Site area was in an area of tidally influenced materials, which made up Pine Point. In the 1940s, Pine Point was excavated, graded and leveled and the resulting soil was used as fill material for the developments of the Marinship Shipyard, southeast of the Site.

The Site is developed on weathered soil overlying Jurassic to Cretaceous-aged Franciscan melange. This formation is highly fractured graywack, shale, conglomerate, volcanic rocks, chert, and limestone.

2.2 Area Hydrogeology

The estimated regional ground water flow is expected to be in a south-southeast direction, as the San Francisco Bay is located South of the Site, while Richardson Bay is located adjacent to the east of the Site. The depth to groundwater is approximately 6 – 8 feet below ground surface (bgs).

Ground water flow direction is estimated based on a review of published maps. Site specific ground water flow conditions may be impacted by a variety of factors including, but not limited to, local topography, geologic anomalies, utilities, nearby wells or sump, and local drainage patterns. Site specific ground water information would require a ground water investigation, which is beyond the scope of this EA.
2.3 Water Wells

The United States Environmental Protection Agency *Federal Reporting Data System (FRDS)*, USGS *Water Wells Database*, and the California State Database were searched by the Environmental Data Resources (EDR) for Federal and State-registered water supply wells. No water well listings were identified on the Site; however, several wells were found within a 0.5-mile search radius on the EDR database report. These wells are detailed in Appendix B.
3.0 HISTORICAL LAND USE REVIEW

Readily available historical information was reviewed to evaluate the previous uses of the Site, and previous uses of properties in the vicinity of the Site. This section summarizes the results of the historical evaluation. Information reviewed for this project is listed in the Reference Section.

3.1 Site Use Summary

The available historical information indicates the Site was has been developed since at least 1909 (Sanborn maps). The Site was developed as far back as 1909 with an electrical shop building and a spur of the Northwestern Pacific (NWP) railroad. The existing building was constructed in the late-1940s and is shown on the 1955 Sanborn Map as the US Army Soil Testing laboratory.

Overall, historic uses of the Site represent a potential recognized environmental condition to the Site due to the presence of the electrical shop, railroad spurs and the testing laboratory.

3.2 Fire Insurance Maps

Sanborn fire insurance maps (Sanborn) were created for insurance underwriters and often contain information regarding the uses of individual structures, and the locations of fuel and/or chemical storage tanks that may have been on a particular property. Maps depicting the Site and surrounding properties for the years 1909, 1919, 1945, and 1955 were available for review. Copies of the available Sanborn Maps are included in Appendix C. A summary of information reviewed is included in the following tables.

<table>
<thead>
<tr>
<th>Year(s)</th>
<th>Past Site Uses According to the Sanborn Fire Insurance Maps</th>
</tr>
</thead>
<tbody>
<tr>
<td>1909 through 1919</td>
<td>Electrical shop and a spur of the NWP railroad</td>
</tr>
<tr>
<td>1945</td>
<td>Electrical shop and a spur of the NWP railroad. Also, railroad turntable and tin shop</td>
</tr>
<tr>
<td>1955</td>
<td>Current bldg. (called US Army Engineers Soil Testing Laboratory)</td>
</tr>
</tbody>
</table>

The available historical information indicates that a railroad yard and an associated electrical building were on Site since 1909 until the 1950s. The existing Site building was constructed in the late-1940s, according to a previous environmental report and visual evidence on a 1949 aerial photograph. Remnants of the previous railroad spur can currently be seen on Site (east border of Site); however, they are no longer in use.
The previous existence of the railroad tracks and electrical building represent a potential recognized environmental concern to the Site.

Historical adjacent properties include the following:

- Oil house (1909, 1919, 1945 – south)
- Oil tank (1909, 1919, 1945 – east)
- Marin Shipyards (1945 – east)
- Gas house (1945 – east)
- Plaster works and various storage (1955 - south and east)

Historically, these adjacent properties may present a recognized environmental condition to the Site.

3.3 City Directories

City Directories provide listings, arranged by street address, of businesses and residences for the year in which the directory was published. Cole’s or Polk directories were not available for the Site area from the EDR information or from a review of the references at the City of Sausalito Library.

3.4 Aerial Photographs

Aerial photographs for the Site area were available for review from EDR and Terraserver-USA.com. Photographs for the years 1949, 1957, 1965, 1982, 1993 and 2004 (Terraserver-USA) were reviewed for this EA. A copy of a 2004 aerial photograph can be found in Appendix D. Information reviewed is summarized in the tables below.

3.4.1 Past Site Uses

<table>
<thead>
<tr>
<th>Year(s)</th>
<th>Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>1949 to 2004</td>
<td>Current building and associated parking lot</td>
</tr>
</tbody>
</table>

No previous uses indicative of environmentally suspect practices or activities were identified at the Site on the aerial photographs.
3.4.2 Past Adjacent Property Uses

<table>
<thead>
<tr>
<th>Direction</th>
<th>Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>North</td>
<td>USACOE – Bay Model Building</td>
</tr>
<tr>
<td>East</td>
<td>Boat storage and marina with Richardson Bay, beyond</td>
</tr>
<tr>
<td>South</td>
<td>Road with commercial/industrial building (AG Schoonmaker) beyond</td>
</tr>
<tr>
<td>West</td>
<td>Commercial building and storage area</td>
</tr>
</tbody>
</table>

The south and west adjacent properties may potentially environmentally impact the Site. AG Schoonmaker is a power and generator equipment facility while the western adjacent properties were Plaster Works and a chemical storage facility; thus these adjacent properties have a potential to environmentally impact the Site.

3.5 Local Agency Review

According to the City of Sausalito the Site is zoned as PI (Public Institutional). The Site is listed in Flood Zone C, defined as an area outside the 500-year flood plain with less than 0.2% annual probability of flooding, per FEMA Map Panel No. 060182-0001-C, dated September 1980.

3.6 Interviews

The following people were interviewed in conjunction with this EA.

<table>
<thead>
<tr>
<th>Contact Name</th>
<th>Affiliation</th>
<th>Date Interviewed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mr. Blair Giles</td>
<td>ASG</td>
<td>October 11, 2004</td>
</tr>
<tr>
<td>Mr. Mike Stone</td>
<td>Sausalito City Fire Department</td>
<td>October 13, 2004</td>
</tr>
<tr>
<td>Mr. Steve Buffenbarger</td>
<td>City of Sausalito Building Dept.</td>
<td>October 13, 2004</td>
</tr>
<tr>
<td>Mr. Steve Jensen</td>
<td>Marin County Assessors Office</td>
<td>October 14, 2004</td>
</tr>
</tbody>
</table>

The information from these interviews appears in various sections of this report depending upon the nature of the information.

3.7 Previous Reports and Proceedings
The following environmental-related reports were available for review and are summarized below.


This report was completed in compliance with ASTM E15277, with no exceptions to or deletions from the practice. The findings and conclusions/recommendations of this 1998 ESA are as follows:

- The Site address is listed as 25 Liberty Ship Way and includes the small parcel abutting the current site to the west.
- The Site was developed back to the 1870s by Pacific Northwest Railroad and an associated electrical building (documented in 1919).
- In 1942, the Marinship Shipyard was developed on and near the Site.
- The Site (25 Liberty Ship Way) is listed on the federal MLTS (Material Listing Tracking System) as maintained by the Nuclear Regulatory Commission (NRC). This listing was for a radioactive source (X-ray fluorescence device) which was stored at the Site.
- The Site is a 2-acre rectangle shaped parcel (APN 64-070-03).
- The Site was converted from a machine shop to a Geotechnical testing laboratory in 1950. An environmental testing laboratory operation was added to the building in the early 1990s and the laboratory closed in 1997.
- Various chemicals were stored at the Site in a storage shed (acids, solvents, etc.).
- Potential lead-based paint (LBP) and asbestos-containing materials (ACMs) exist at the Site.
- Recommendations included
  - sampling for LBP and ACM;
  - limited subsurface sampling of soil and groundwater for site chemicals and historical site activities; and
  - sampling the storm water effluent for chlorine due to a potential leak in the storm drain


This subsurface investigation was conducted on behalf of the US Army Corps of Engineers for the Site and included the following activities:

- The Site contains a 2-story building, a small chemical storage shed and a fenced equipment storage yard. The Site address is 25 Liberty Ship Way in Sausalito, California.
- Soil and groundwater samples were collected from the following areas:
  - the storage building
the electrical transformer pad
the former machine shop and rail yard operations
the former laboratory building
the catch basin and holding tank (north side of building)

- A LBP and ACM survey was also conducted.
- PCBs were found in six of the soil samples
- Arsenic was found in the soil samples
- Tetrachloroethene (PCE) was found in the groundwater samples
- ACM was found in transite shingles, 9’x9” floor tiles/mastic and pipe insulation, as well as the mastics on counter tops.
- LBP was found in various painted surfaces (peeling) at the Site building.

Recommendations included:
- Remove PCB soils or use engineering controls around the contaminated soil areas;
- Conducting background soil sampling for arsenic to determine if site is contaminated or is comparable to background concentrations; and
- Proper removal of the ACM and LBP.

Overall, we concur with the findings, conclusions, and recommendations (if any) of these prior reports.
4.0 SITE RECONNAISSANCE

Mr. Terry Bleckner conducted a reconnaissance of the Site on October 13, 2004 to identify potential recognized environmental conditions concerning the Site. A diagram of the Site is attached as Figure 3. Selected photographs taken during the Site reconnaissance are included as Appendix A.

4.1 Site Access and Limitations

The Site is a rectangular-shaped parcel, consists of approximately 1.79 acres, and is improved with a two-story unoccupied building. The building was originally constructed in the late-1940s and was originally occupied by the US Army Corps of Engineers South Pacific Division Laboratory. In addition, the Site contains asphalt parking and various interior sumps. The building contains a total of approximately 37,800 square feet.

The building was unlocked and therefore, Mr. Bleckner conducted the Site investigation unescorted.

The Site is accessed via Liberty Ship Way, which runs along the south and east side of the Site.

We visually and physically observed the periphery of the Site and the structures located on and adjacent to the Site.

4.2 Current Operations

The Site contains a two-story unoccupied building, originally constructed in the late-1940s and was originally occupied by the US Army Corps of Engineers South Pacific Division Laboratory. Currently, no tenants occupy the building.

The surrounding property is mainly commercial and marinas.

4.3 Hydrologic, Topographic and Surface Conditions

The topography of the Site is relatively flat; however, a slight down slope to the south and east is evident. Surface water runoff is expected to flow to the east, toward the parking lot and adjacent properties. We observed no evidence of surface water features including lagoons, impoundments, pits, ponds, drywells, creeks, or other bodies of water on the Site.
We observed no evidence of excavations, distressed vegetation, stained surface soils, dumping of hazardous materials, soil mounds, filled areas, or patched pavement on the Site. There was however, evidence of prior environmental drilling located throughout the parking lot, as discussed in Section 3.7.

4.4 Utilities and Building Systems

Pacific Gas & Electric (PG&E) provides electricity and gas to the site. The City of Sausalito provides water and sewer services to the Site. Note that during our Site investigation, the electricity was off.

4.5 Chemical Storage

No chemical storage was observed on Site. Prior chemical storage and usage at the Site was evident, as discussed in Section 3.7.

4.6 Waste Generation, Storage, and Disposal

No waste disposal units were observed at the Site and there was no evidence of illegal dumping at the Site. The was; however, 6 Bay Cities refuse containers stored on the parking surface. These are apparently owned by the north adjacent USACOE Bay Model. No staining or odors were observed from these disposal units.

4.7 Polychlorinated Biphenyls (PCBs)

Potential PCB-containing equipment identified by visual observation of the Site are listed below:

<table>
<thead>
<tr>
<th>Equipment Type</th>
<th>Owner</th>
<th>Location</th>
<th>Observed Leaks?</th>
<th>PCB Containing?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light ballasts</td>
<td>Site</td>
<td>Throughout the building</td>
<td>No</td>
<td>Possible</td>
</tr>
</tbody>
</table>

Fluorescent lights were observed throughout the building. Due to access limitations, the light ballasts were not inspected for their PCB content. No evidence of leakage or stains was observed in association with the light fixtures; however, due to the age of the building (1940s), it is likely that these ballasts contain PCBs. Light ballasts whose PCB content is indeterminable should be disposed of in accordance with local, state, and federal regulations.

4.8 Storage Tanks
No fill pipes, vent pipes or other evidence of aboveground storage tanks (ASTs) or underground storage tanks (USTs) were observed at the Site.

4.9 Lead-Based Paint

Lead-based paint (LBP), as defined by the US Department of Housing and Development (HUD), is any paint, varnish, stain, or other applied coating that has 1 milligram per square centimeter (mg/cm²) or more of lead. The use of lead-based paint was banned in residential and consumer applications in 1978.

Previous studies (Section 3.7) detected LBP at the Site. In addition, ASG conducted a LBP inspection of the property, as issued in November 2004.

4.10 Asbestos-Containing Building Materials (ACBM)

Previous studies (Section 3.7) detected ACM at the Site. In addition, ASG conducted an ACM inspection of the property, as issued in November 2004.

4.11 Surrounding Property Observations

Developed properties near the Site are undeveloped native lands. Properties immediately adjacent to the Site, as observed during our Site reconnaissance are described below, based on outdoor observations from the Site or nearby public streets.

<table>
<thead>
<tr>
<th>Direction</th>
<th>Use</th>
<th>Observed Chemical Use/Storage?</th>
</tr>
</thead>
<tbody>
<tr>
<td>North</td>
<td>USACOE – Bay Model Building</td>
<td>No</td>
</tr>
<tr>
<td>East</td>
<td>Roadway, old railroad spur, and yacht sales and marina</td>
<td>No</td>
</tr>
<tr>
<td>South</td>
<td>Roadway and North Coast Industries</td>
<td>No</td>
</tr>
<tr>
<td>West</td>
<td>Joanne’s Print shop and Bushel Plumbing</td>
<td>No</td>
</tr>
</tbody>
</table>

No evidence of outdoor storage of chemicals was observed on any of the adjoining properties. Observations of adjacent properties did not reveal any obvious visual evidence of environmental concerns; however, former adjacent properties, as discussed in Section 3.0, may environmentally impact the Site.
5.0 REGULATORY REVIEW

We reviewed regulatory agency database information compiled by Environmental Data Resources, Inc. (EDR) to help identify recognized environmental conditions in connection with the Site. Unless stated otherwise in this section, the scope of our review is limited to review of the information provided by EDR, and does not include review of regulatory agency files pertaining to specific sites that may have been identified.

The EDR report includes a list of facilities that could not be precisely located due to inadequate address information. ASG reviewed this list and determined where these facilities are located relative to the Site. The information was incorporated into the discussion of the appropriate database. Additionally, ASG field verifies the locations of EDR-identified facilities in relation to the Site, and, if necessary, adjusts their distances and directions with respect to their actual locations.

The results of the review for each database are discussed below. The locations for the facilities discussed in this section are shown on the figures in the EDR report, included as Appendix B.

5.1 Federal Agency Record Review

<table>
<thead>
<tr>
<th>Database Searched?</th>
<th>Distance Searched</th>
<th>Site Listings?</th>
<th>Adjacent Listings?</th>
<th>Listings w/in 0.25-Mile?</th>
<th>Listings w/in 0.25 - 0.50-Mile?</th>
<th>Listings w/in 0.5- 1.0 Mile?</th>
</tr>
</thead>
<tbody>
<tr>
<td>NPL</td>
<td>1.0 Mile</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Proposed NPL</td>
<td>1.0 Mile</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Delisted NPL</td>
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Resource Conservation and Recovery Information System (RCRIS) Small Quantity Generators (SQG). Facilities listed under SQG either generate from 100 kilograms (kg) to 1000 kg of EPA regulated hazardous waste per month, or meet other applicable requirements of RCRA.

- No listings were identified on Site; however, two (2) listings were found within a 0.25-mile radius of the Site. The nearest facility is Sunshine Cleaners, located approximately 500 feet west-northwest and cross-gradient from the Site. This facility has no recorded violations and should not represent a recognized environmental condition to the Site. The other facility is a Shell Service Station located approximately 1,000 feet west-northwest and does not have reported violations; therefore, it should not represent a recognized environmental condition to the Site.

Nuclear Regulatory Commission - Material Licensing Tracking System (MLTS) contains a list of sites, which possess or use radioactive materials and which are subject to NRC licensing requirements.

- The subject Site address (25 Liberty Ship Way) was listed (data obtained from a previous Phase I ESA – Section 3.7). This listing was for the storage of XRF equipment used in the laboratory; however, this radioactive source is no longer at the Site and its previous presence should not represent a recognized environmental concern.
### 5.2 State Agency Record Review

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**CORTESE—State of California Hazardous Waste Substance Listing** for drinking water wells with contamination, hazardous substance sites, toxic materials at abandoned sites, or sites with USTs with known migration of contamination.

- The Site property is not listed as CORTESE facility.

- Four (4) listings were identified within a 0.50-mile radius of the Site. Two are on adjacent properties: the US Army COE, located at the north adjacent property and the other at 10 Liberty Ship Way (Schoonmaker Building) located on the south adjacent property. The north adjacent property is involved with PCB waste, asbestos waste, and various metals. This facility may have
impacted the subsurface conditions at the subject Site. The Schoonmaker Building is involved with various oil-based wastes. It is cross-gradient; however, it may have impacted the subsurface conditions at the Site. The other 2 facilities, due to their relative distance and/or gradient, are not expected to impact the Subject Site.

**NOTIFY 65** is a comprehensive listing of facilities, which have reported releases, which may impact drinking water.

- The Site property is not listed as NOTIFY 65 facility.

- One (1) listing was identified within a 1.0-mile radius of the Site. This facility is Pacific Bell, located approximately 0.5 mile southeast and downgradient from the Site; therefore, due to relative distance and gradient, it is not expected to impact the Subject Site.

**LUST – State of California Leaking Underground Storage Tank Report** is a comprehensive listing of all reported leaking underground storage tanks reported within the State of California.

- The Site property is not listed as LUST facility.

- Five (5) LUST facilities were identified within a 0.50-mile radius of the Site. The nearest facilities are the north adjacent USACOE facility and the south adjacent Schoonmaker Building. The north adjacent USACOE facility had its USTs removed in 1994 and the case is closed. The Schoonmaker facility is on-going and contaminated groundwater. This leak was discovered in 1994 and remediation is on-going. Due to the environmental impact and the relative distance from the Site, this facility may impact the subsurface conditions at the Site. The other three (3) LUST facilities, either due to their distance or gradient, are not considered a recognized environmental concern to the Site.

**UST – State of California Underground Storage Tank Report** is a comprehensive listing of all registered underground storage tanks in the State of California.

- The Site property is not listed as an UST facility.

- Seven (7) registered UST facilities were identified within a 0.25-mile radius of the Site. The nearest facility is the south adjacent Schoonmaker Building, which had its USTs removed in 1994. The other UST sites are either associated with a LUST closure or far enough away from the Site to not represent a recognized environmental condition to the Site.
Voluntary Cleanup Program Sites (VCP) is the State of California database for facilities, which have entered the Voluntary Cleanup Program.

- The Site property is not listed as a VCP facility.

- One (1) VCP facility was found within a 0.25 mile radius of the Site. This facility is the Galilee Harbor, located approximately 1,500 feet southeast and downgradient from the Site. This facility has been in operation since the 1800s; however, the facility is far enough away and downgradient from the Site and should not represent a recognized environmental condition to the Site.

California FID UST – Facility Inventory Database of USTs is the State of California database of historical active and inactive USTs.

- The Site property is not listed as a FID UST facility.

- Two (2) FID UST facilities were identified within a 0.25 mile radius of the Site. The nearest, is the aforementioned north adjacent USACOE facility (refer to LUST discussion above). The other facility is located over 1,000 feet from the Site and therefore, should not represent a recognized environmental condition to the Site.

HIST UST – Historical USTs – is a listing of Historical USTs in the State of California. of historical active and inactive USTs.

- The Site property is not listed as a HIST UST facility.

- One (1) HIST UST facility was identified within a 0.25 mile radius of the Site. This facility is owned by Shell Oil company and is located over 1,000 feet from the Site and therefore, should not represent a recognized environmental condition to the Site.

CLEANERS – Dry Cleaning Facilities is a listing of dry cleaning facilities with EPA ID numbers.

- The Site property is not listed as a CLEANERS facility.

- Three (3) facilities were found within a 0.25 mile radius of the Site. The nearest facility is Orchid Cleaners, located approximately 200 feet southeast of the Site. Due to the relative distance of this facility, and the potential nature of dry-cleaning facilities, an environmental
impact from this facility is possible. The other facilities are located at least 500 feet from the Site and should not represent a recognized environmental condition to the Site.

**NFA – No Further Action Sites** is a list of the State of California Sites which should not pose a threat to the environment or human health.

- The Site property is not listed as an NFA facility.
- One (1) NFA facility was found within a 0.25 mile radius of the Site. This facility is the Marinship Harbor, located approximately 500 feet west of the Site. An investigation in 1985 determined that this facility requires no further action; therefore, it should not represent a recognized environmental condition to the Site.

### 5.3 Local Agency Record Review

#### 5.3.1 City of Sausalito Fire Department

Mr. Mike Stone was asked if he knew of any environmental issues or concerns. To his recollection, no issues or concerns have occurred for this Site. He was aware of the previous activities at the Site in the 1980s and 1990s regarding chemical storage, but he believed that the materials were removed.
6.0 CONCLUSIONS AND RECOMMENDATIONS

This assessment revealed the following evidence of recognized environmental conditions in connection with the Site:

- Historical Site Usage
- Historical adjacent properties
- Current South Adjacent Property
- Current North Adjacent Property
- Nearby Dry Cleaner
- Previous Investigations
- Lead-Based Paint
- Asbestos Containing Materials

Recommendations

As a result of this Phase I Environmental Site Assessment, we recommend the following:

- A Phase II subsurface investigation was conducted to analyze the soil and groundwater at the Site. The soil and groundwater was analyzed for petroleum products and PCBs. This Phase II Subsurface Investigation report was issued by ASG in November 2004. The Scope of Work was defined by the Department of Veteran Affairs Medical Center, Project No. 662-04-118, September 2004.

- Removal of the damaged ACM and peeling LBP. ASG issued the ACM and LBP survey report in November 2004.
7.0 STANDARD OF CARE

The services performed by ASG on this project have been conducted with that level of care and skill ordinarily exercised by reputable members of the profession, practicing in the same locality, under similar budget and time constraints. No other warranty is expressed or intended.

This report is exclusively for the use and benefit of those listed on the title page of this report and may not be relied upon by any other person or entity without written permission from ASG.

If you have any questions or comments, please contact us at (801) 261-4616.

Sincerely,

Terry Bleckner, CIH
Environmental Specialist

Tom Cline
Sr. Report Reviewer
REFERENCES

Geological References

Bedrock and Soil information – EDR, Inc.


Historical References

Sanborn Maps – EDR, Inc.

City Directories – EDR, Inc. and Sausalito Public Library

Aerial Photographs – EDR, Inc. and Terraserver.com
FIGURE 1

SITE LOCATION MAP
FIGURE 3

SITE DRAWING
PHASE I ENVIRONMENTAL SITE ASSESSMENT
USACOE – SOUTH PACIFIC DIVISION LABORATORY
25 LIBERTY SHIP WAY
SAUSALITO, CA 94965      PROJECT NO. U04-2732

NOVEMBER 2004

SITE PLAN
Photo 1 – Subject Site

Photo 2 – Possible former AST pad – northeast corner

Photo 3 – Storage containers on Site

Photo 4 – View of building interior

Photo 5 – Suspect PCB light ballasts

Photo 6 – Pit next to compressor room (staining)
Photo 7 – Drain in temperature/humidity room

Photo 8 – Surface drain at northwest corner

Photo 9 – Surface staining HPV room

Photo 10 – Pit at Triaxial Sheer room

Photo 11 – Crane hoist

Photo 12 – Northern boundary of Site
APPENDIX B

REGULATORY DATABASE
EVALUATION REPORT
The EDR Radius Map
with GeoCheck®

VA Medical Center
2 Libertyship Way
Sausalito, CA 94965

Inquiry Number: 1286819.2s

October 12, 2004

The Standard in Environmental Risk Management Information

440 Wheelers Farms Road
Milford, Connecticut 06460

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com
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<tr>
<td>Overview Map</td>
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<td>Detail Map</td>
<td>3</td>
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**GEOCHECK ADDENDUM**

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| Physical Setting Source Summary              | A-2  |
| Physical Setting Source Map                  | A-7  |
| Physical Setting Source Map Findings         | A-8  |
| Physical Setting Source Records Searched      | A-11 |

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*Thank you for your business.*

Please contact EDR at 1-800-352-0050 with any questions or comments.

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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**

2 LIBERTYSHIP WAY  
SAUSALITO, CA 94965

**COORDINATES**

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**USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY**

| Target Property            | 37122-G4 SAN FRANCISCO NORTH, CA |
| Source                     | USGS 7.5 min quad index           |

**TARGET PROPERTY SEARCH RESULTS**

The target property was not listed in any of the databases searched by EDR.

**DATABASES WITH NO MAPPED SITES**

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

**FEDERAL ASTM STANDARD**

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<td>CERCLIS</td>
<td>Comprehensive Environmental Response, Compensation, and Liability Information System</td>
</tr>
<tr>
<td>CERC-NFRAP</td>
<td>CERCLIS No Further Remedial Action Planned</td>
</tr>
<tr>
<td>CORRACTS</td>
<td>Corrective Action Report</td>
</tr>
<tr>
<td>RCRIS-TSD</td>
<td>Resource Conservation and Recovery Information System</td>
</tr>
<tr>
<td>RCRIS-LQG</td>
<td>Resource Conservation and Recovery Information System</td>
</tr>
<tr>
<td>ERNS</td>
<td>Emergency Response Notification System</td>
</tr>
</tbody>
</table>

**STATE ASTM STANDARD**

<table>
<thead>
<tr>
<th>Database</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AWP</td>
<td>Annual Workplan Sites</td>
</tr>
</tbody>
</table>
EXECUTIVE SUMMARY

Cal-Sites. CalSites Database
CHMIRS. California Hazardous Material Incident Report System
Toxic Pits. Toxic Pits Cleanup Act Sites
SWF/LF. Solid Waste Information System
WMUDS/SWAT. Waste Management Unit Database
CA BOND EXP. PLAN. Bond Expenditure Plan
INDIAN LUST. Leaking Underground Storage Tanks on Indian Land
INDIAN UST. Underground Storage Tanks on Indian Land

FEDERAL ASTM SUPPLEMENTAL
CONSENT. Superfund (CERCLA) Consent Decrees
ROD. Records Of Decision
Delisted NPL. National Priority List Deletions
FINDS. Facility Index System/Facility Identification Initiative Program Summary Report
HMIRS. Hazardous Materials Information Reporting System
MLTS. Material Licensing Tracking System
MINES. Mines Master Index File
NPL Liens. Federal Superfund Liens
PADS. PCB Activity Database System
ODI. Open Dump Inventory
DOD. Department of Defense Sites
INDIAN RESERV. Indian Reservations
UMTRA. Uranium Mill Tailings Sites
FUDS. Formerly Used Defense Sites
RAATS. RCRA Administrative Action Tracking System
TRIS. Toxic Chemical Release Inventory System
TSCA. Toxic Substances Control Act
SSTS. Section 7 Tracking Systems
FTTS INSP. FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

STATE OR LOCAL ASTM SUPPLEMENTAL
AST. Aboveground Petroleum Storage Tank Facilities
CA WDS. Waste Discharge System
DEED. List of Deed Restrictions
REF. Unconfirmed Properties Referred to Another Agency
EMI. Emissions Inventory Data
NFE. Properties Needing Further Evaluation
SCH. School Property Evaluation Program
CA SLIC. Statewide SLIC Cases
HAZNET. Facility and Manifest Data

EDR PROPRIETARY HISTORICAL DATABASES
Coal Gas. Former Manufactured Gas (Coal Gas) Sites

BROWNFIELDS DATABASES
US BROWNFIELDS. A Listing of Brownfields Sites

SURROUNDING SITES: SEARCH RESULTS
Surrounding sites were identified.
Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in **bold italics** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

**FEDERAL ASTM STANDARD**

**RCRIS:** 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). Conditionally exempt small quantity generators (CESQGs): generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs): generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs): generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

A review of the RCRIS-SQG list, as provided by EDR, and dated 08/10/2004 has revealed that there are 2 RCRIS-SQG sites within approximately 0.25 miles of the target property.

<table>
<thead>
<tr>
<th>Equal/Higher Elevation</th>
<th>Address</th>
<th>Dist / Dir</th>
<th>Map ID</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>U E INC DBA SUNSHINE CLEANERS</td>
<td>2631 BRIDGEWAY</td>
<td>0 - 1/8</td>
<td>WNW C8</td>
<td>14</td>
</tr>
<tr>
<td>SHELL SERVICE STATION</td>
<td>2901 BRIDGEWAY</td>
<td>1/8 - 1/4</td>
<td>WNW F14</td>
<td>21</td>
</tr>
</tbody>
</table>

**STATE ASTM STANDARD**

**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 4 Cortese sites within approximately 0.5 miles of the target property.

<table>
<thead>
<tr>
<th>Equal/Higher Elevation</th>
<th>Address</th>
<th>Dist / Dir</th>
<th>Map ID</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>US ARMY CORPS OF ENGINEER</td>
<td>2100 BRIDGEWAY</td>
<td>1/8 - 1/4ESE</td>
<td>E13</td>
<td>19</td>
</tr>
<tr>
<td>SHELL</td>
<td>2901 BRIDGEWAY BLVD.</td>
<td>1/8 - 1/4WNW F15</td>
<td>22</td>
<td></td>
</tr>
<tr>
<td>Lower Elevation</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SCHOONMAKER BUILDING</td>
<td>10 LIBERTY SHIP WY</td>
<td>0 - 1/8</td>
<td>ENE A2</td>
<td>6</td>
</tr>
<tr>
<td>CLIPPER YACHT MARINA</td>
<td>310 HARBOR DR</td>
<td>1/4 - 1/2NW</td>
<td>20</td>
<td>31</td>
</tr>
</tbody>
</table>

TC1286819.2s EXECUTIVE SUMMARY 3
EXECUTIVE SUMMARY

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 is 1 Notify 65 site within approximately 1 mile of the target property.

<table>
<thead>
<tr>
<th>Lower Elevation</th>
<th>Address</th>
<th>Dist / Dir</th>
<th>Map ID</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>PACIFIC BELL</td>
<td>414 TURNEY STREET</td>
<td>1/2 - 1 ESE</td>
<td>21</td>
<td>33</td>
</tr>
</tbody>
</table>

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

A review of the LUST list, as provided by EDR, and dated 07/12/2004 has revealed that there are 5 LUST sites within approximately 0.5 miles of the target property.

<table>
<thead>
<tr>
<th>Equal/Higher Elevation</th>
<th>Address</th>
<th>Dist / Dir</th>
<th>Map ID</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>US ARMY CORPS OF ENGINEER</td>
<td>2100 BRIDGEEWAY</td>
<td>1/8 - 1/4 ESE</td>
<td>E13</td>
<td>19</td>
</tr>
<tr>
<td>SHELL</td>
<td>2901 BRIDGEEWAY BLVD.</td>
<td>1/8 - 1/4 WNW</td>
<td>F15</td>
<td>22</td>
</tr>
<tr>
<td>SCHOONMAKER BUILDING</td>
<td>10 LIBERTY SHIP WY</td>
<td>0 - 1/8 ENE</td>
<td>A2</td>
<td>6</td>
</tr>
<tr>
<td>KIMBER MANAGEMENT COMPANY</td>
<td>30 LIBERTY SHIP WAY</td>
<td>0 - 1/8 NE</td>
<td>B3</td>
<td>9</td>
</tr>
<tr>
<td>CLIPPER YACHT MARINA</td>
<td>310 HARBOR DR</td>
<td>1/4 - 1/2 NW</td>
<td>20</td>
<td>31</td>
</tr>
</tbody>
</table>

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

A review of the UST list, as provided by EDR, and dated 07/12/2004 has revealed that there are 7 UST sites within approximately 0.25 miles of the target property.

<table>
<thead>
<tr>
<th>Equal/Higher Elevation</th>
<th>Address</th>
<th>Dist / Dir</th>
<th>Map ID</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEUNG RESIDENCE</td>
<td>537 EASTERY ST.</td>
<td>0 - 1/8 SSE</td>
<td>6</td>
<td>11</td>
</tr>
<tr>
<td>SHELL</td>
<td>2901 BRIDGEEWAY BLVD.</td>
<td>1/8 - 1/4 WNW</td>
<td>F15</td>
<td>22</td>
</tr>
<tr>
<td>MRQUES PROPERTY</td>
<td>2322 MARINSHIP WAY</td>
<td>1/8 - 1/4 NW</td>
<td>F18</td>
<td>25</td>
</tr>
<tr>
<td>SCHOONMAKER BLDG.</td>
<td>10 LIBERTY SHIP WAY</td>
<td>0 - 1/8 ENE</td>
<td>A1</td>
<td>6</td>
</tr>
<tr>
<td>CHARTER PROPERTIES</td>
<td>30 LIBERTY SHIP WAY</td>
<td>0 - 1/8 NE</td>
<td>B4</td>
<td>10</td>
</tr>
<tr>
<td>VINCENT WHITNEY CO./INTERBAY L</td>
<td>60 LIBERTY SHIP WAY</td>
<td>0 - 1/8 NE</td>
<td>D10</td>
<td>18</td>
</tr>
<tr>
<td>EASOM BOATWORKS</td>
<td>75 LIBERTY SHIP WAY</td>
<td>0 - 1/8 ENE</td>
<td>D11</td>
<td>18</td>
</tr>
</tbody>
</table>

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

A review of the VCP list, as provided by EDR, and dated 06/01/2004 has revealed that there is 1 VCP
EXECUTIVE SUMMARY

site within approximately 0.5 miles of the target property.

<table>
<thead>
<tr>
<th>Lower Elevation</th>
<th>Address</th>
<th>Dist / Dir</th>
<th>Map ID</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>GALILEE HARBOUR, PARCEL 1</td>
<td>300 NAPA STREET</td>
<td>1/4 - 1/2ESE</td>
<td>19</td>
<td>26</td>
</tr>
</tbody>
</table>

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

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

<table>
<thead>
<tr>
<th>Equal/Higher Elevation</th>
<th>Address</th>
<th>Dist / Dir</th>
<th>Map ID</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>SAUSALITO AUTO</td>
<td>2901 BRIDGEWAY</td>
<td>1/8 - 1/4WNW F17</td>
<td>25</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Lower Elevation</th>
<th>Address</th>
<th>Dist / Dir</th>
<th>Map ID</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>U S CORPS OF ENGINEERS</td>
<td>2100 BRIDGEWAY</td>
<td>1/8 - 1/4ESE</td>
<td>E12</td>
<td>19</td>
</tr>
</tbody>
</table>

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there is 1 HIST UST site within approximately 0.25 miles of the target property.

<table>
<thead>
<tr>
<th>Equal/Higher Elevation</th>
<th>Address</th>
<th>Dist / Dir</th>
<th>Map ID</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>HERBERT WEINER</td>
<td>2901 BRIDGEWAY</td>
<td>1/8 - 1/4WNW F16</td>
<td>24</td>
<td></td>
</tr>
</tbody>
</table>

STATE OR LOCAL ASTM SUPPLEMENTAL

DRYCLEANERS:A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaners’ agents; linen supply; coin-operated laundries and cleaning; drycleaning plants except rugs; carpet and upholstery cleaning; industrial launderers; laundry and garment services.

A review of the CLEANERS list, as provided by EDR, has revealed that there are 3 CLEANERS sites within approximately 0.25 miles of the target property.

<table>
<thead>
<tr>
<th>Equal/Higher Elevation</th>
<th>Address</th>
<th>Dist / Dir</th>
<th>Map ID</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>ORCHID CLEANERS</td>
<td>1907 BRIDGEWAY</td>
<td>0 - 1/8 SE</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>U E INC DBA SUNSHINE CLEANERS</td>
<td>2631 BRIDGEWAY</td>
<td>0 - 1/8 WNW C8</td>
<td>14</td>
<td></td>
</tr>
<tr>
<td>SUNSHINE CLEANERS</td>
<td>2631 BRIDGEWAY</td>
<td>0 - 1/8 WNW C9</td>
<td>17</td>
<td></td>
</tr>
</tbody>
</table>

NFA: This category contains properties at which DTSC has made a clear determination that the property does not pose a problem to the environment or to public health.

A review of the NFA list, as provided by EDR, and dated 06/01/2004 has revealed that there is 1 NFA site within approximately 0.25 miles of the target property.

<table>
<thead>
<tr>
<th>Equal/Higher Elevation</th>
<th>Address</th>
<th>Dist / Dir</th>
<th>Map ID</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>MARINSHIP</td>
<td>SPRING STREET / GATE 5</td>
<td>0 - 1/8 W</td>
<td>C7</td>
<td>12</td>
</tr>
</tbody>
</table>
BROWNFIELDS DATABASES

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

A review of the VCP list, as provided by EDR, and dated 06/01/2004 has revealed that there is 1 VCP site within approximately 0.5 miles of the target property.

<table>
<thead>
<tr>
<th>Lower Elevation</th>
<th>Address</th>
<th>Dist / Dir</th>
<th>Map ID</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>GALILEE HARBOR, PARCEL 1</td>
<td>300 NAPA STREET</td>
<td>1/4 - 1/2 ESE</td>
<td>19</td>
<td>26</td>
</tr>
</tbody>
</table>
Due to poor or inadequate address information, the following sites were not mapped:

<table>
<thead>
<tr>
<th>Site Name</th>
<th>Database(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EAST FORT BAKER</td>
<td>Cal-Sites, AWP</td>
</tr>
<tr>
<td>US 101 EST BLYTHEDALE EXIT</td>
<td>CHMIRS, CA SLIC</td>
</tr>
<tr>
<td>HAMILTON ARMY AIRFIELD BLD. # 41</td>
<td>LUST, CHMIRS</td>
</tr>
<tr>
<td>RICHARDSON BAY - VERY END - WEST</td>
<td>LUST, CHMIRS</td>
</tr>
<tr>
<td>SIR FRANCIS DRAKE BLVD AT MCALLISTER AVE NEAR BACI</td>
<td>LUST, CHMIRS</td>
</tr>
<tr>
<td>MARINSHIP</td>
<td>CERC-NFRAP</td>
</tr>
<tr>
<td>DUNPHY PARK</td>
<td>SWF/LF</td>
</tr>
<tr>
<td>GGNRA-MAIN MARIN HILL 88</td>
<td>LUST</td>
</tr>
<tr>
<td>EAST FORT BAKER BLDG 699</td>
<td>LUST</td>
</tr>
<tr>
<td>MARIN FLEA MARKET</td>
<td>UST</td>
</tr>
<tr>
<td>STATE FILE HAVE NO INFO ON THIS SITE.</td>
<td>UST</td>
</tr>
<tr>
<td>STATE FILE HAVE NO INFO ON THIS SITE.</td>
<td>UST</td>
</tr>
<tr>
<td>VILLAGE FAIRE</td>
<td>UST</td>
</tr>
<tr>
<td>SAUSALITO AUTO SERVICE</td>
<td>UST</td>
</tr>
<tr>
<td>SNAP S REPROGRAPHICS</td>
<td>UST</td>
</tr>
<tr>
<td>U. S. ARMY CORPS OF ENGINEERS</td>
<td>UST</td>
</tr>
<tr>
<td>MARINE MAMMAL CENTER (FT. CRONKHITE)</td>
<td>UST</td>
</tr>
<tr>
<td>US ARMY RESERVE CENTER FORT BAKER</td>
<td>HAZNET</td>
</tr>
<tr>
<td>THE MARINE MAMMAL CENTER</td>
<td>HAZNET</td>
</tr>
<tr>
<td>MARINE MAMMAL CENTER</td>
<td>RCRIS-SQG, FINDS, HAZNET</td>
</tr>
<tr>
<td>CURRUSO SPORT FISHING CENTER / 310 HARBOR DR</td>
<td>ERNS</td>
</tr>
<tr>
<td>SAUSALITO MARINA CENTER (HOUSEBOAT)</td>
<td>ERNS</td>
</tr>
<tr>
<td>MARINSHIP</td>
<td>CA SLIC</td>
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</tbody>
</table>
### MAP FINDINGS SUMMARY

<table>
<thead>
<tr>
<th>Database</th>
<th>Search Property</th>
<th>Target Distance (Miles)</th>
<th>&lt; 1/8</th>
<th>1/8 - 1/4</th>
<th>1/4 - 1/2</th>
<th>1/2 - 1</th>
<th>&gt; 1</th>
<th>Total Plotted</th>
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<tbody>
<tr>
<td><strong>FEDERAL ASTM STANDARD</strong></td>
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<td>Proposed NPL</td>
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<td>0</td>
<td>0</td>
<td>NR</td>
<td>0</td>
</tr>
<tr>
<td>CERCLIS</td>
<td></td>
<td>0.500</td>
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<td>0</td>
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<td>0</td>
<td>NR</td>
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</tr>
<tr>
<td>CERC-NFRAP</td>
<td></td>
<td>0.250</td>
<td>0</td>
<td>0</td>
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<td>NR</td>
<td>NR</td>
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</tr>
<tr>
<td>CORRACTS</td>
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<td>0</td>
<td>0</td>
<td>0</td>
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</tr>
<tr>
<td>RCRIS-TSD</td>
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<td>0.500</td>
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<td>0</td>
<td>0</td>
<td>0</td>
<td>NR</td>
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<tr>
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<td>NR</td>
<td>NR</td>
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</tr>
<tr>
<td>RCRIS Sm. Quan. Gen.</td>
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<td>1</td>
<td>NR</td>
<td>NR</td>
<td>NR</td>
<td>2</td>
</tr>
<tr>
<td>ERNS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>STATE ASTM STANDARD</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td>0</td>
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<td>NR</td>
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<td>CHMIRS</td>
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<tr>
<td>Toxic Pits</td>
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<td>1.000</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>NR</td>
<td>0</td>
</tr>
<tr>
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## MAP FINDINGS SUMMARY

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### STATE OR LOCAL ASTM SUPPLEMENTAL

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### EDR PROPRIETARY HISTORICAL DATABASES

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### BROWNFIELDS DATABASES

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### NOTES:
- 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
### Coal Gas Site Search

No site was found in a search of Real Property Scan’s ENVIROHAZ database.

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<td>&lt; 1/8</td>
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<td>66 ft.</td>
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<td>23 ft.</td>
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<td>Chemical: Regular Gasoline</td>
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<td>Lead Agency: Regional Board</td>
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<td>Local Agency: 21000</td>
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<td>Case Type: Other ground water affected</td>
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<td>Status: Leak being confirmed</td>
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<td>Abate Method: Excavate and Dispose - remove contaminated soil and dispose in approved site, Pump and Treat Ground Water - generally employed to remove dissolved contaminants</td>
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<td>Review Date: 1994-12-05 00:00:00</td>
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SCHOONMAKER BUILDING (Continued)

MTBE Date: Not reported
Max MTBE GW: Not reported
MTBE Tested: Site NOT Tested for MTBE. Includes Unknown and Not Analyzed.
Priority: M
Local Case #: 0
Beneficial: Not reported
Staff: JMJ
GW Qualifier: Not reported
Max MTBE Soil: Not reported
Soil Qualifier: Not reported
Hydr Basin #: UNNAMED BASIN
Operator: Not reported
Oversight Prgm: LUST
Review Date: 2001-03-26 00:00:00
Stop Date: Not reported
Work Suspended: No
Responsible Party: BLANK RP
RP Address: Not reported
Global Id: T0604100231
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: 0
Mtbe Fuel: 1
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 1
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

LUST Region 2:
Region: 2
Case Number: 21-0245
Facility Id: 21-0245
Facility Status: Leak being confirmed
How Discovered: TC
Leak Cause: UNK
Leak Source: UNK
Date Leak Confirmed: 12/5/1994
Prelim. Site Assessment Wokplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Remediation Action Underway: Not reported

HAZNET:
Gepaid: CAC000951800
TSD EPA ID: CAD980887418
Gen County: Marin
Tsd County: 1
Tons: 4,1700
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Contact: THREE BAY PROPERTIES
Telephone: (000) 000-0000
Mailing Address: BOX 4100
SAUSALITO, CA 94965
County: Marin
<table>
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**SCHOONMAKER BUILDING (Continued)**

| Gepaid: | CAC000951800 |
| TSD EPA ID: | CAD004771168 |
| Gen County: | Marin |
| Tsd County: | San Francisco |
| Tons: | 1.2500 |

**Waste Category:** 1.2500 Tons: EDR ID Number: EDR ID Name: CORTESE

| County | Marin |
| Mailing Address: | SAUSALITO, CA 94965 |
| Telephone: | (000) 000-0000 |
| Disposal Method: | Recycler |
| Contact: | THREE BAY PROPERTIES |

| Gepaid: | CAC000951800 |
| TSD EPA ID: | CAD0831666728 |
| Gen County: | Marin |
| Tsd County: | Stanislaus |
| Tons: | 8.3400 |

**Waste Category:** Unspecified oil-containing waste 8.6736 Tons: Stanislaus

| County | Marin |
| Mailing Address: | SAUSALITO, CA 94965 |
| Telephone: | (000) 000-0000 |
| Disposal Method: | Not reported |
| Contact: | THREE BAY PROPERTIES |

| Gepaid: | CAC000951800 |
| TSD EPA ID: | CAD0831666728 |
| Gen County: | Marin |
| Tsd County: | Stanislaus |
| Tons: | 8.6736 |

**Waste Category:** Unspecified oil-containing waste 8.3400 Tons: San Francisco

| County | Marin |
| Mailing Address: | SAUSALITO, CA 94965 |
| Telephone: | (000) 000-0000 |
| Disposal Method: | Not reported |
| Contact: | THREE BAY PROPERTIES |

| Gepaid: | CAC000951800 |
| TSD EPA ID: | CAD004771168 |
| Gen County: | Marin |
| Tsd County: | 0 |
| Tons: | 1.2500 |

**Waste Category:** Not reported 1.2500 Tons: EDR ID Name: CORTESE

| County | Marin |
| Mailing Address: | SAUSALITO, CA 94965 |
| Telephone: | (000) 000-0000 |
| Disposal Method: | THREE BAY PROPERTIES |
| Contact: | THREE BAY PROPERTIES |

| Region | CORTESE |
| Fac Address 2 | 10 LIBERTY SHIP WY |

**SCHOONMAKER BUILDING (Continued)**

| Gepaid: | CAC000951800 |
| TSD EPA ID: | CAD0831666728 |
| Gen County: | Marin |
| Tsd County: | Stanislaus |
| Tons: | 8.6736 |

**Waste Category:** Unspecified oil-containing waste 8.3400 Tons: San Francisco

| County | Marin |
| Mailing Address: | SAUSALITO, CA 94965 |
| Telephone: | (000) 000-0000 |
| Disposal Method: | Not reported |
| Contact: | THREE BAY PROPERTIES |

| Gepaid: | CAC000951800 |
| TSD EPA ID: | CAD004771168 |
| Gen County: | Marin |
| Tsd County: | 0 |
| Tons: | 1.2500 |

**Waste Category:** Not reported 1.2500 Tons: EDR ID Name: CORTESE

| County | Marin |
| Mailing Address: | SAUSALITO, CA 94965 |
| Telephone: | (000) 000-0000 |
| Disposal Method: | THREE BAY PROPERTIES |
| Contact: | THREE BAY PROPERTIES |

<p>| Region | CORTESE |
| Fac Address 2 | 10 LIBERTY SHIP WY |</p>
<table>
<thead>
<tr>
<th>Map ID</th>
<th>NE</th>
<th>Site 1 of 2 in cluster B</th>
</tr>
</thead>
<tbody>
<tr>
<td>B3</td>
<td></td>
<td>KIMBER MANAGEMENT COMPANY</td>
</tr>
<tr>
<td></td>
<td></td>
<td>30 LIBERTY SHIP WAY</td>
</tr>
<tr>
<td></td>
<td></td>
<td>SAUSALITO, CA  94965</td>
</tr>
<tr>
<td>&lt; 1/8</td>
<td></td>
<td>227 ft.</td>
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</tbody>
</table>

Relative: Lower
Actual: 16 ft.

State LUST:
- Cross Street: BRIDGEWAY BLVD
- Qty Leaked: Not reported
- Case Number: 21-0351
- Reg Board: 2
- Chemical: Diesel
- Lead Agency: Regional Board
- Local Agency: 21000
- Case Type: Other ground water affected
- Status: Pollution Characterization

Abate Method: Excavate and Dispose - remove contaminated soil and dispose in approved site, Pump and Treat Ground Water - generally employed to remove dissolved contaminants

Review Date: 2000-06-02 00:00:00
Workplan: 2002-11-08 00:00:00
Pollution Char: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: Not reported
Release Date: Not reported
Cleanup Fund Id: Not reported
Discover Date: Not reported
Enforcement Dt: Not reported
Enf Type: VER
Enter Date : 2000-06-02 00:00:00
Funding: Responsible Party
Staff Initials: UNK
How Discovered: Tank Closure
How Stopped: Not reported
Interim : Yes
Leak Cause: UNK
Leak Source: UNK
MTBE Date : 2003-06-16 00:00:00
Max MTBE GW : <5.0 Parts per Billion
MTBE Test: MTBE Detected. Site tested for MTBE & MTBE detected
Priority: M
Local Case #: 0
Beneficial: Not reported
Staff : JMJ
GW Qualifier : Not reported
Max MTBE Soil : 0 Parts per Million
Soil Qualifier : Not reported
Hydr Basin #: UNNAMED BASIN
Operator : Not reported
Oversight Prgm: LUST
Review Date : 2001-05-18 00:00:00
Stop Date : Not reported
Work Suspended No
Responsible Party: KIMBER MANAGEMENT COMPANY
RP Address: Not reported
Global Id: T0604192762
Org Name: Not reported
Contact Person: Not reported
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<th>KIMBER MANAGEMENT COMPANY (Continued)</th>
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<tr>
<td>Distance To Lust: 0</td>
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<tr>
<td>Waste Discharge Global ID: Not reported</td>
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<td>Waste Disch Assigned Name: Not reported</td>
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<tr>
<td>LUST Region 2:</td>
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<tr>
<td>Region: 2</td>
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<tr>
<td>Case Number: Not reported</td>
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<tr>
<td>Facility Id: 21-0351</td>
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<tr>
<td>Facility Status: Preliminary site assessment underway</td>
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<tr>
<td>How Discovered: TC</td>
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<tr>
<td>Leak Cause: UNK</td>
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<tr>
<td>Leak Source: UNK</td>
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<tr>
<td>Date Leak Confirmed: 6/2/2000</td>
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<tr>
<td>Prelim. Site Assessment Wokplan Submitted: 5/16/2001</td>
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<tr>
<td>Preliminary Site Assessment Began: 11/8/2002</td>
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<td>Pollution Characterization Began: Not reported</td>
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<td>Pollution Remediation Plan Submitted: Not reported</td>
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<td>Date Remediation Action Underway: Not reported</td>
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<td>Date Remediation Action Underway: Not reported</td>
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<th>CHARTER PROPERTIES</th>
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<tr>
<td>NE 30 LIBERTY SHIP WAY</td>
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<tr>
<td>SAUSALITO, CA 94965</td>
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<tr>
<td>B4 &lt; 1/8 227 ft. Site 2 of 2 in cluster B</td>
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<td>UST Marin County:</td>
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<td>Facility Status: Not reported</td>
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<td>Last Inspected: Not reported</td>
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<tr>
<td>Pulled Date: 3/6/1997</td>
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<td>Program: UST</td>
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<td>Active: Not reported</td>
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<tr>
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<th>CLEANERS S106166853</th>
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<tr>
<td>SE 1907 BRIDGEWAY</td>
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<td>SAUSALITO, CA</td>
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<tr>
<td>5 &lt; 1/8 286 ft. Site 2 of 2 in cluster B</td>
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<td>Actual: 32 ft.</td>
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<tr>
<td>EPA Id: CAL000047820</td>
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<tr>
<td>Facility Address 2 Not reported</td>
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<td>Facility Active: No</td>
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<tr>
<td>Mail Name: Not reported</td>
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<tr>
<td>Mailing Address: 1907 BRIDGEWAY</td>
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<tr>
<td>SAUSALITO, CA 94965</td>
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<tr>
<td>Owner Name: SASSELLI DONALD</td>
<td></td>
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<tr>
<td>Mailing Address: --</td>
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</table>
ORCHID CLEANERS  (Continued)  S106166853

Owner Telephone: 0000000000
Contact Name: --
Mailing Address: INACT PER 98VQ FINAL NOTICE
    - BATCH 4/27
    --, 99 --
Contact Telephone:--
Contact Fax: Not reported
Contact Email: Not reported
Region Code: 2
Inactive Date: 6/30/1998
EPA Id: CAL000008954
Facility Address 2: Not reported
NAICS Code: Not reported
Facility Active: No
Mail Name: Not reported
Mailing Address: 1907 BRIDGEWAY
    SAUSALITO, CA 94965
Owner Name: SASSELLI DONALD H
Mailing Address: --
    --, 99 --
Owner Telephone: 0000000000
Contact Name: --
Mailing Address: INACT PER 98VQ FINAL NOTICE
    - BATCH 4/27
    --, 99 --
Contact Telephone:--
Contact Fax: Not reported
Contact Email: Not reported
Region Code: 2

6
CHEUNG RESIDENCE
SSE  537 EASTERYB ST.
< 1/8
SAUSALITO, CA 94965
396 ft.

Relative: Higher
Actual: 45 ft.

UST Marin County:
    Facility Id: Not reported
    Facility Status: Not reported
    Certificate Number: Not reported
    Tank Number: Not reported
    Tank Contents: Not reported
    Location: Not reported
    Reason: Not reported
    Last Inspected: Not reported
    Pulled Date: 12/5/1988
    Program: UST
    Active: Not reported

UST  U003914480
N/A
### MAP FINDINGS

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#### Site 1 of 3 in cluster C

**Relative:** Higher  
**Actual:** 53 ft.

- **Facility ID:** 21370002
- **Region Code Definition:** BERKELEY
- **County Code:** 21
- **Site Name Under:** Not reported
- **Current Status Date:** 01261996
- **Current Status Code:** NFA
- **Current Status:** NO FURTHER ACTION FOR DTSC
- **Lead Agency Code:** Not reported
- **Lead Agency:** N/A
- **Site Type Code:** Not reported
- **Site Type:** N/A
- **National Priorities List:** Not reported
- **Tier:** Not reported
- **Source Of Funding Code:** Not reported
- **Staff Member:** Not reported
- **Supervisor:** Not reported
- **Sic Code:** 37
- **Sic Code Definition:** MANU - TRANSPORTATION EQUIPMENT
- **Site Mitigatn & Brnfts Reuse Prog (SMBR) Code:** NC
- **SMBR Branch:** NORTH COAST
- **Regional Water Quality Control Board:** SF
- **RWQCB Definition:** SAN FRANCISCO BAY
- **Site Access Controlled:** Not reported
- **Listed In Haz Wet & Substncs Sites List (CORTESE):** Not reported
- **Date Hazard Ranked:** Not reported
- **GW Contamination Suspected:** Not reported
- **# Of Sources Contributing To Contamination:** 0
- **Lat/Long:** 0° 0' 0" / 0° 0' 0"
- **Direction Lat:** Not reported
- **Direction Long:** Not reported
- **Lat/Long Method:** Not reported
- **Entity Lat/long Coordinates Refer To:** Not reported
- **State Assembly Distt Code:** Not reported
- **State Senate Distt Code:** Not reported
- **Identifying Code:** EPA
- **ID Value:** CAD982400715
- **Other ID Desc:** EPA IDENTIFICATION NUMBER
- **Alternate Name(s):** MARINSHIP
- **Alternate Name(s):** BECHTEL CORPORATION (FORMER OPERATOR)
- **Alternate Name(s):** MARIN SHIPYARD
- **Address(es):** SPRING STREET AND GATE 5 ROAD TO THE BAY  
SAUSALITO, CA 94965
- **Address(es):** BRIDGEWAY TO SF BAY, GATE 5 TO EASTERBY  
EASTERBY, CA
- **Address(es):** BETWEEN RICHARDSON BAY & BRIDGEWAY ROAD  
SAUSALITO, CA
- **Background Info:** Not reported
- **Facility Id:** 21370002
- **AWP Activities Code:** 1
- **DTSC Site Activity Code:** DISC
- **Activity Code Def:** DISCOVERY

**Site 1 of 3 in cluster C**

- **West:** C7  
**Distance:** < 1/8  
**Elevation:** 423 ft.  
**Site Name:** MARINSHIP  
**Address:** SPRING STREET / GATE 5 ROAD TO THE BAY  
**City:** SAUSALITO, CA 94965  
**State:** CA  
**Zip Code:** 94965  
**Geographic Reference:**  
**State Senate Distt Code:** Not reported  
**State Assembly Distt Code:** Not reported  
**Entity Lat/long Coordinates Refer To:** Not reported  
**Lat/Long Method:** Not reported  
**Direction Long:** Not reported  
**Direction Lat:** Not reported  
**Lat/Long:** 0° 0' 0" / 0° 0' 0"

---

**Notes:**

- **Location:** SAUSALITO, CA  
**Between Richardson Bay & Bridgeway Road**
- **Database(s):** Site Name Under: Not reported
MARINSHIP  (Continued)

AWP Activity Id : Not reported
Dt Activity Due For Completion : Not reported
Revised Due Date : Not reported
Date Activity Completed : 01011988
Est # Of Person-years To Complete : 0
Est. Size Of An Activity Code : Not reported
Site Status When Activity Commitment Made : NFA
Status Code Definition : NO FURTHER ACTION FOR DTSC
Cubic Yards Of Solids Removed At Completion : 0
Gallons Of Liquid Removed Upon Completion : 0
Cubic Yards Of Solids Treated Upon Completion : 0
Acvtvty Deleted Via Commitmnt/Completns Screen : Not reported
Facility Id : 21370002
AWP Activities Code : 2
DTSC Site Activity Code : SS
Activity Code Def: Not reported
AWP Activity Id : Not reported
Dt Activity Due For Completion : Not reported
Revised Due Date : Not reported
Date Activity Completed : 01061988
Est # Of Person-years To Complete : 0
Est. Size Of An Activity Code : Not reported
Site Status When Activity Commitment Made : NFA
Status Code Definition : NO FURTHER ACTION FOR DTSC
Cubic Yards Of Solids Removed At Completion : 0
Gallons Of Liquid Removed Upon Completion : 0
Cubic Yards Of Solids Treated Upon Completion : 0
Acvtvty Deleted Via Commitmnt/Completns Screen : Not reported
Facility Id : 21370002
AWP Activities Code : 3
DTSC Site Activity Code : SS
Activity Code Def: Not reported
AWP Activity Id : Not reported
Dt Activity Due For Completion : Not reported
Revised Due Date : Not reported
Date Activity Completed : 12151989
Est # Of Person-years To Complete : 0
Est. Size Of An Activity Code : Not reported
Site Status When Activity Commitment Made : NFA
Status Code Definition : NO FURTHER ACTION FOR DTSC
Cubic Yards Of Solids Removed At Completion : 0
Gallons Of Liquid Removed Upon Completion : 0
Cubic Yards Of Solids Treated Upon Completion : 0
Acvtvty Deleted Via Commitmnt/Completns Screen : Not reported
Special Program Code: RCSP
Special Program : RURAL COUNTY SURVEY PROGRAM
Comments Date : 01011985
Comments : EIR conducted on Marinship specific plan by City of Sausalito
Facility Identified: Sausalito City Planning Department.
Site Screening Done: Manufacturing of large ships during
World War II. Waste generation and disposal is unknown.
Plans at Sausalito Planning Dept show dump areas and sump
under tennis courts.
Based on file review, detected chemicals are at or below
Preliminary Remedial goals. No Further DTSC action is recommended.
DHS received EPA FIT Preliminary Assessment. EPA recommends medium-priority Screening Site Inspection (12/09/89). Not reported

EPA PA: The Marin Shipyard is located alongside the town of Sausalito near Richardson Bay. The site is greater than 200 acres and was operated by Bechtel Corporation during World War II. In November 1988, the DHS TSCD identified the site as a "potential former generator of hazardous waste." Historical yard layout maps show "sludge pit" areas estimated at 30,000 square feet and "dumping areas" at 100,000 square feet.

CERCLA site inspection by URS Consultants. Report recommends No Further Action with US EPA concurrence. Report examined sludge pits and dumping areas through historical aerial photographs, interviews and groundwater and soil sampling data. Report concluded that the "Pits' existence is not conclusive. Sampling data showed inorganic and organic constituents in soil and groundwater. NFA determination was based on limited exposure pathways and lack of background data. Detected chemicals are of low concentration.

Facility Drive-by: Industrial area includes Liberty Ship Way. Part of area is paved and built-up, other part is old. Potential site submitted to EPA for Preliminary Assessment by their Field Investigation Team (FIT). Site Screening Done: EPA is working on Preliminary Assessment. Site is pending EPA action.

---

**MARINSHIP (Continued)**

<table>
<thead>
<tr>
<th>C8</th>
<th>U E INC DBA SUNSHINE CLEANERS</th>
<th>RCRIS-SQG FINDS HAZNET CLEANERS</th>
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<tbody>
<tr>
<td>WNW</td>
<td>2631 BRIDGEWAY</td>
<td>1001481012 CAR000050773</td>
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<tr>
<td>435 ft.</td>
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<td>Actual:</td>
<td>38 ft.</td>
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Site 2 of 3 in cluster C

RCRIS:
- Owner: U E INC (415) 331-1515
- EPA ID: CAR000050773
- Contact: KARL HUIE (415) 331-1515
- Classification: Small Quantity Generator
- TSDF Activities: Not reported
- Violation Status: No violations found

**FINDS:**
- Other Pertinent Environmental Activity Identified at Site:
  - National Emissions Inventory
  - Resource Conservation and Recovery Act Information system

**CA Cleaners:**
- Inactive Date: Not reported
- EPA Id: CAR000050773
- Facility Address 2: Not reported
- NAICS Code: 81232
- Facility Active: Yes
- Mail Name: Not reported
- Mailing Address: 2631 BRIDGEWAY SAUSALITO, CA 94965
U E INC DBA SUNSHINE CLEANERS (Continued) 1001481012

Owner Name: U E INC
Mailing Address: --
  --, 99 --
Owner Telephone: 0000000000
Contact Name: U E INC
Mailing Address: --
  --, 99 99999
Contact Telephone:
Contact Fax: Not reported
Contact Email: Not reported
Region Code: 0
Inactive Date: Not reported
EPA Id: CAR000050773
Facility Address 2: Not reported
NAICS Code: 81232
Facility Active: Yes
Mail Name: Not reported
Mailing Address: 2631 BRIDGEWAY
  SAUSALITO, CA 94965
Owner Name: U E INC
Mailing Address: --
  --, 99 --
Owner Telephone: 0000000000
Contact Name: U E INC
Mailing Address: --
  --, 99 99999
Contact Telephone:
Contact Fax: Not reported
Contact Email: Not reported
Region Code: 0
Inactive Date: Not reported
EPA Id: CAR000050773
Facility Address 2: Not reported
NAICS Code: 81232
Facility Active: Yes
Mail Name: Not reported
Mailing Address: 2631 BRIDGEWAY
  SAUSALITO, CA 94965
Owner Name: U E INC
Mailing Address: --
  --, 99 --
Owner Telephone: 0000000000
Contact Name: U E INC
Mailing Address: --
  --, 99 99999
Contact Telephone:
Contact Fax: Not reported
Contact Email: Not reported
Region Code: 0
Inactive Date: Not reported
EPA Id: CAR000050773
Facility Address 2: Not reported
NAICS Code: 81232
Facility Active: Yes
### U E INC DBA SUNSHINE CLEANERS (Continued)

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<tr>
<td>Tons</td>
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<tr>
<td>Waste Category</td>
<td>Liquids with halogenated organic compounds &gt; 1000 mg/l</td>
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<td>Disposal Method</td>
<td>Transfer Station</td>
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<tr>
<td>Contact</td>
<td>U E INC</td>
</tr>
<tr>
<td>Telephone</td>
<td>(000) 000-0000</td>
</tr>
<tr>
<td>Mailing Address</td>
<td>2631 BRIDGEWAY SAUSALITO, CA 94965</td>
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<td>Mailing Address</td>
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## U E INC DBA SUNSHINE CLEANERS (Continued)

- **Site**: Marin
- **Facility ID**: 12038
- **Air District Code**: BA
- **SIC Code**: 7216
- **Total Priority Score**: Not reported
- **Health Risk Assessment**: Not reported
- **Non-cancer Chronic Haz Index**: Not reported
- **Non-cancer Acute Haz Index**: Not reported
- **Air Basin**: SF
- **Air District Name**: BAY AREA AQMD
- **Community Health Air Pollution Info System**: Not reported
- **Consolidated Emission Reporting Rule**: Not reported
- **County Code**: 21
- **County ID**: 21

### Emissions

- **Facility ID**: 12038
- **Air District Code**: BA
- **SIC Code**: 7216
- **Total Priority Score**: Not reported
- **Health Risk Assessment**: Not reported
- **Non-cancer Chronic Haz Index**: Not reported
- **Non-cancer Acute Haz Index**: Not reported
- **Air Basin**: SF
- **Air District Name**: BAY AREA AQMD
- **Community Health Air Pollution Info System**: Not reported
- **Consolidated Emission Reporting Rule**: Not reported
- **County Code**: 21
- **County ID**: 21

### Sun Sunshine Cleaners

- **Site**: SUNSHINE CLEANERS
- **Address**: 2631 BRIDEWAY
- **City**: SAUSALITO
- **State**: CA
- **Zip Code**: 94965

### CA Cleaners

- **Inactive Date**: 10/25/2000
- **EPA ID**: CAC002135249
- ** Facility Address 2**: Not reported
- **NAICS Code**: Not reported
- ** Facility Active**: No
- **Mail Name**: Not reported
- **Mailing Address**: 2631 BRIDEWAY
  - **City**: SAUSALITO
  - **State**: CA
  - **Zip Code**: 94965

### Sunshine Cleaners

- **Owner Name**: SUNSHINE CLEANERS INC
- **Mailing Address**: 2631 BRIDEWAY
  - **City**: SAUSALITO
  - **State**: CA
  - **Zip Code**: 94965

### Contact Information

- **Contact Name**: KARL HUIE
- **Mailing Address**: 2631 BRIDEWAY
  - **City**: SAUSALITO
  - **State**: CA
  - **Zip Code**: 94965
- **Contact Telephone**: 1533111515
- **Contact Fax**: Not reported
- **Contact Email**: Not reported
- **Region Code**: 2
SUNSHINE CLEANERS (Continued)

HAZNET:

Gepaid:  CAC002135249
TSD EPA ID:  CA0000084517
Gen County:  Marin
Tsd County:  Sacramento
Tons:  0.0975
Waste Category:  Liquids with halogenated organic compounds > 1000 mg/l
Disposal Method:  Transfer Station
Contact:  SUNSHINE CLEANERS INC
Telephone:  (000) 000-0000
Mailing Address:  2631 BRIDGEWAY
                  SAUSALITO, CA 94965
County:  Marin

D10  VINCENT WHITNEY CO./INTERBAY LUMBER
NE  60 LIBERTY SHIP WAY
< 1/8  SAUSALITO, CA 94965
488 ft.

Relative:  Site 1 of 2 in cluster D
Lower Actual:
3 ft.

UST Marin County:
Facility Id:  Not reported
Facility Status:  Not reported
Certificate Number:  Not reported
Tank Number:  Not reported
Tank Contents:  Not reported
Location:  Closed Drawer
Reason:  Not reported
Last Inspected:  Not reported
Pulled Date:  Not reported
Program:  HMBP
Active:  Not reported

D11  EASOM BOATWORKS
ENE  75 LIBERTY SHIP WAY
< 1/8  SAUSALITO, CA 94965
587 ft.

Relative:  Site 2 of 2 in cluster D
Lower Actual:
2 ft.

UST Marin County:
Facility Id:  Not reported
Facility Status:  Not reported
Certificate Number:  Not reported
Tank Number:  Not reported
Tank Contents:  Not reported
Location:  Closed Drawer
Reason:  Discontinued
Last Inspected:  Not reported
Pulled Date:  Not reported
Program:  HMBP
Active:  Not reported
### E12
**U S CORPS OF ENGINEERS**

**Site 1 of 2 in cluster E**

<table>
<thead>
<tr>
<th>Site</th>
<th>Elevation</th>
<th>Distance (ft.)</th>
<th>Site ID</th>
<th>Database(s)</th>
<th>EPA ID Number</th>
<th>NPDES No</th>
<th>DUNs No</th>
<th>Contact Tel</th>
<th>Facility Tel</th>
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</thead>
<tbody>
<tr>
<td>1/8-1/4</td>
<td>965 ft.</td>
<td>60/00/00</td>
<td>Not reported</td>
<td>Not reported</td>
<td>00/00/00</td>
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<td>Not reported</td>
<td>Not reported</td>
</tr>
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</table>

**FID:**
- **Facility ID:** 21001218
- **Regulate ID:** Not reported
- **Cortese Code:** Not reported
- **Reg By:** Active
- **SIC Code:** Not reported
- **Status:** Active
- **Mail To:** 211 MAIN ST, SAUSALITO, CA 94965
- **Facility Tel:** Not reported
- **Contact:** Not reported
- **DUNS No:** Not reported
- **NPDES No:** Not reported
- **Creation:** 10/22/93
- **Modified:** 00/00/00
- **EPA ID:** Not reported
- **Comments:** Not reported

**Actual:**
- **24 ft.**

**Relative:**
- **Lower**

**Abate Method:** Excavate and Dispose - remove contaminated soil and dispose in approved site

**Material:** Diesel

**Case Type:** Drinking water wells have been affected

**Case Number:** 21D0213

**Reg Board:** 21D0213

**State LUST:**
- **Cross Street:** Not reported
- **Qty Leaked:** Not reported
- **Local Agency:** Not reported
- **Case Type:** Drinking water wells have been affected
- **Status:** Case Closed

**Abate Method:** Excavate and Dispose - remove contaminated soil and dispose in approved site

**Review Date:** Not reported

**Confirm Leak:** Not reported

**Workplan:** Not reported

**Prelim Assess:** Not reported

**Pollution Char:** Not reported

**Remed Plan:** Not reported

**Monitoring:** Not reported

**Close Date:** 1994-07-26 00:00:00

**Release Date:** Not reported

**Cleanup Fund Id:** Not reported

**Discover Date:** Not reported

**Enforcement Dt:** Not reported

**Enf Type:** Not reported

**Enter Date:** 1994-08-02 00:00:00

**Funding:** Federal Funds

**Staff Initials:** Not reported

**How Discovered:** Tank Closure

**How Stopped:** Not reported

**Interim:** Yes

**Leak Cause:** UNK

**Leak Source:** UNK

**MTBE Tested:** Not Required to be Tested.

**Priority:** Not reported

**Site 2 of 2 in cluster E**

<table>
<thead>
<tr>
<th>Site</th>
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<th>Distance (ft.)</th>
<th>Site ID</th>
<th>Database(s)</th>
<th>EPA ID Number</th>
<th>NPDES No</th>
<th>DUNs No</th>
<th>Contact Tel</th>
<th>Facility Tel</th>
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</thead>
<tbody>
<tr>
<td>1/8-1/4</td>
<td>1015 ft.</td>
<td>60/00/00</td>
<td>Not reported</td>
<td>Not reported</td>
<td>00/00/00</td>
<td>Not reported</td>
<td>Not reported</td>
<td>Not reported</td>
<td>Not reported</td>
</tr>
</tbody>
</table>

**FID:**
- **Facility ID:** 21001218
- **Regulate ID:** Not reported
- **Cortese Code:** Not reported
- **Reg By:** Active
- **SIC Code:** Not reported
- **Status:** Active
- **Mail To:** 211 MAIN ST, SAUSALITO, CA 94965
- **Facility Tel:** Not reported
- **Contact:** Not reported
- **DUNS No:** Not reported
- **NPDES No:** Not reported
- **Creation:** 10/22/93
- **Modified:** 00/00/00
- **EPA ID:** Not reported
- **Comments:** Not reported

**Actual:**
- **31 ft.**

**Relative:**
- **Higher**

**Abate Method:**

**Material:** Diesel

**Case Type:** Drinking water wells have been affected

**Case Number:** 21D0213

**Reg Board:** 21D0213

**State LUST:**
- **Cross Street:** Not reported
- **Qty Leaked:** Not reported
- **Local Agency:** Not reported
- **Case Type:** Drinking water wells have been affected
- **Status:** Case Closed

**Abate Method:**

**Review Date:** Not reported

**Confirm Leak:** Not reported

**Workplan:** Not reported

**Prelim Assess:** Not reported

**Pollution Char:** Not reported

**Remed Plan:** Not reported

**Monitoring:** Not reported

**Close Date:** 1994-07-26 00:00:00

**Release Date:** Not reported

**Cleanup Fund Id:** Not reported

**Discover Date:** Not reported

**Enforcement Dt:** Not reported

**Enf Type:** Not reported

**Enter Date:** 1994-08-02 00:00:00

**Funding:** Federal Funds

**Staff Initials:** Not reported

**How Discovered:** Tank Closure

**How Stopped:** Not reported

**Interim:** Yes

**Leak Cause:** UNK

**Leak Source:** UNK

**MTBE Tested:** Not Required to be Tested.

**Priority:** Not reported
### US ARMY CORPS OF ENGINEER (Continued)

| Local Case # | 0 |
| Beneficial | Not reported |
| Staff | NLF |
| GW Qualifier | Not reported |
| Max MTBE Soil | Not reported |
| Soil Qualifier | Not reported |
| Hydr Basin # | UNNAMED BASIN |
| Operator | Not reported |
| Oversight Prgm | Department of Defense UST |
| Review Date | 1994-08-04 00:00:00 |
| Stop Date | Not reported |
| Work Suspended | No |
| Responsible Party | GERALD VINCENT |
| RP Address | US ARMY CORPS OF ENGINEERS CESPK-PM-H 1325 J STREET |
| Global Id | T0604100204 |
| Org Name | Not reported |
| Contact Person | Not reported |
| MTBE Conc | 0 |
| Mtbe Fuel | 0 |
| Water System Name | Not reported |
| Well Name | Not reported |
| Distance To Lust | 0 |
| Waste Discharge Global ID | Not reported |
| Waste Disch Assigned Name | Not reported |

**HAZNET:**

- Gepaid: CAL000036348
- TSD EPA ID: CAD008252405
- Gen County: Marin
- Tsd County: Los Angeles
- Tons: .2293
- Waste Category: Unspecified solvent mixture Waste
- Disposal Method: Recycler
- Contact: USARMY CORPS OF ENGIN
- Telephone: (000) 000-0000
- Mailing Address: 2100 BRIDGEWAY AVE
  SAUSALITO, CA 94965

- County: Marin

- Gepaid: CAL000036348
- TSD EPA ID: CAD008252405
- Gen County: Marin
- Tsd County: Los Angeles
- Tons: .1000
- Waste Category: Off-specification, aged, or surplus organics
- Disposal Method: Recycler
- Contact: USARMY CORPS OF ENGIN
- Telephone: (000) 000-0000
- Mailing Address: 2100 BRIDGEWAY AVE
  SAUSALITO, CA 94965

- County: Marin
### US ARMY CORPS OF ENGINEER (Continued)

**Gepaid:** CAL000036348  
**TSD EPA ID:** NYD986980233  
**Gen County:** Marin  
**Tsd County:** 99  
**Tons:** .0782  
**Waste Category:** Polychlorinated biphenyls and material containing PCB’s  
**Disposal Method:** Not reported  
**Contact:** USARMY CORPS OF ENGIN  
**Telephone:** (000) 000-0000  
**Mailing Address:** 2100 BRIDGEWAY AVE, SAUSALITO, CA 94965  
**County:** Marin

- **Gepaid:** CAL000036348  
- **TSD EPA ID:** OHD000816629  
- **Gen County:** Marin  
- **Tsd County:** 99  
- **Tons:** .1125  
- **Waste Category:** Organic liquids with metals Alkaline solution (pH < 12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc)  
- **Disposal Method:** Not reported  
- **Contact:** USARMY CORPS OF ENGIN  
- **Telephone:** (000) 000-0000  
- **Mailing Address:** 2100 BRIDGEWAY AVE, SAUSALITO, CA 94965  
- **County:** Marin

- **Gepaid:** CAL000036348  
- **TSD EPA ID:** CAD044429835  
- **Gen County:** Marin  
- **Tsd County:** Los Angeles  
- **Tons:** .0375  
- **Waste Category:** Asbestos-containing waste  
- **Disposal Method:** Recycler  
- **Contact:** USARMY CORPS OF ENGIN  
- **Telephone:** (000) 000-0000  
- **Mailing Address:** 2100 BRIDGEWAY AVE, SAUSALITO, CA 94965  
- **County:** Marin

*Click this hyperlink while viewing on your computer to access 85 additional CA HAZNET record(s) in the EDR Site Report.*

---

**F14 SHELL SERVICE STATION**  
**RCRIS-SQG:** 1006805546  
**FINDS:** 1006805546  
**WEB:** 1006805546  
**Region:** CORTESE  
**Fac Address 2:** Not reported  
**Distance (ft.):** 1234 ft.  
**Site:** 1 of 5 in cluster F  
**Relative:** Higher  
**Actual:** 40 ft.
SHELL SERVICE STATION (Continued)

RCRIS:
Owner: EQUILON ENTERPRISES LLC DBA
(713) 353-2069
EPA ID: CAR000129056
Contact: KYLE LANDRENEAU
(713) 353-2069
Classification: Small Quantity Generator
TSDF Activities: Not reported
Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

MTBE Detected. Site tested for MTBE & MTBE detected
Max MTBE GW: 2400 Parts per Billion
MTBE Tested: MTBE Detected. Site tested for MTBE & MTBE detected
**SHELL (Continued)**

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<tbody>
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<td>Beneficial:</td>
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<td>Staff :</td>
<td>JMJ</td>
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<tr>
<td>GW Qualifier:</td>
<td>Not reported</td>
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<tr>
<td>Max MTBE Soil:</td>
<td>Not reported</td>
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<td>Soil Qualifier:</td>
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<td>Hydr Basin #:</td>
<td>UNNAMED BASIN</td>
</tr>
<tr>
<td>Operator:</td>
<td>Not reported</td>
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<tr>
<td>Oversight Prgm:</td>
<td>LUST</td>
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<td>Review Date :</td>
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<td>Responsible Party:</td>
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<td>Waste Disch Assigned Name:</td>
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**LUST Region 2:**

| Region:                       | 2                        |
| Case Number:                  | 21-0127                  |
| Facility Id:                  | 21-0127                  |
| Facility Status:              | Post remedial action monitoring |
| How Discovered:               | TC                       |
| Leak Cause:                   | Structure Failure        |
| Leak Source:                  | Tank                     |
| Date Leak Confirmed:          | Not reported             |
| Prelim. Site Assessment Wokplan Submitted: | Not reported |
| Preliminary Site Assessment Began: | 11/30/1985              |
| Pollution Characterization Began: | 1/16/1986                |
| Pollution Remediation Plan Submitted: | 2/28/1988               |
| Date Remediation Action Underway: | 4/30/1988                |
| Date Remediation Action Underway: | 7/28/1993                |

**HAZNET:**

<p>| Gepaid:                       | CAL000123001              |
| TSD EPA ID:                   | CAD009452657              |
| Gen County:                   | Marin                     |
| Tsd County:                   | San Mateo                 |
| Tons:                         | 16.6800                   |
| Waste Category:               | Aqueous solution with less than 10% total organic residues |
| Disposal Method:              | Recycler                  |
| Contact:                      | EQUILON ENTERPRISES LLC   |
| Telephone:                    | (713) 241-2258            |
| Mailing Address:              | PO BOX 4453               |
| County                        | Marin                     |</p>
<table>
<thead>
<tr>
<th>Site</th>
<th>Elevation</th>
<th>Database(s)</th>
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<th>EDR ID Number</th>
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<td>CAL000123001</td>
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<tr>
<td>Gen County</td>
<td>Marin</td>
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<tr>
<td>Tsd County</td>
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<td>Tons</td>
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<td>Waste Category</td>
<td>Other empty containers 30 gallons or more</td>
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<tr>
<td>Disposal Method</td>
<td>Recycler</td>
</tr>
<tr>
<td>Contact</td>
<td>EQUILON ENTERPRISES LLC</td>
</tr>
<tr>
<td>Telephone</td>
<td>(713) 241-2258</td>
</tr>
<tr>
<td>Mailing Address</td>
<td>PO BOX 4453 HOUSTON, TX 77210 - 4453</td>
</tr>
<tr>
<td>County</td>
<td>Marin</td>
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<td>Gepaid</td>
<td>CAL000123001</td>
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<td>Gen County</td>
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<td>Tons</td>
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<td>Other empty containers 30 gallons or more</td>
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<td>Disposal Method</td>
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<tr>
<td>Contact</td>
<td>EQUILON ENTERPRISES LLC</td>
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<td>Telephone</td>
<td>(713) 241-2258</td>
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<td>Mailing Address</td>
<td>PO BOX 4453 HOUSTON, TX 77210 - 4453</td>
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<td>County</td>
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</table>

**SHELL OIL COMPANY**

**Site 3 of 5 in cluster F**

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<tr>
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<td>10738</td>
</tr>
<tr>
<td>Total Tanks</td>
<td>3</td>
</tr>
<tr>
<td>Owner Address</td>
<td>P.O. BOX 4848 ANAHEIM, CA 92803</td>
</tr>
<tr>
<td>Tank Used for</td>
<td>PRODUCT</td>
</tr>
<tr>
<td>Tank Num</td>
<td>1</td>
</tr>
<tr>
<td>Tank Capacity</td>
<td>7000000</td>
</tr>
<tr>
<td>Year Installed</td>
<td>1972</td>
</tr>
<tr>
<td>Tank Construction</td>
<td>1/4 inches</td>
</tr>
<tr>
<td>Leak Detection</td>
<td>Stock Inventor</td>
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<tr>
<td>Contact Name</td>
<td>Not reported</td>
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<tr>
<td>Contact</td>
<td>Telephone</td>
</tr>
<tr>
<td>Facility Type</td>
<td>Gas Station</td>
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<td>Facility ID</td>
<td>10738</td>
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<tr>
<td>Total Tanks</td>
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<tr>
<td>Owner Address</td>
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</tr>
<tr>
<td>Tank Used for</td>
<td>PRODUCT</td>
</tr>
<tr>
<td>Tank Num</td>
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**HERBERT WEINER**

<table>
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<tr>
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<tr>
<td>Facility ID</td>
<td>10738</td>
</tr>
<tr>
<td>Total Tanks</td>
<td>3</td>
</tr>
<tr>
<td>Owner Name</td>
<td>SHELL OIL COMPANY</td>
</tr>
<tr>
<td>Region</td>
<td>STATE</td>
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</table>

TC1286819.2s Page 24
HERBERT WEINER (Continued)

Tank Capacity: 00010000 Year Installed: 1972
Type of Fuel: REGULAR Tank Construction: 1/4 inches
Leak Detection: Stock Inventor
Contact Name: Not reported Telephone: (415) 331-2077
Facility Type: Gas Station Other Type: Not reported

Facility ID: 10738 Owner Name: SHELL OIL COMPANY
Total Tanks: 3 Region: STATE
Owner Address: P.O. BOX 4848 ANAHEIM, CA 92803
Tank Used for: PRODUCT
Tank Num: 3 Container Num: 1
Tank Capacity: 00008000 Year Installed: 1970
Type of Fuel: UNLEADED Tank Construction: 1/4 inches
Leak Detection: Stock Inventor
Contact Name: Not reported Telephone: (415) 331-2077
Facility Type: Gas Station Other Type: Not reported

F17 SAUSALITO AUTO CA FID UST S101588472
WNW 2901 BRIDGEWAY N/A
1/8-1/4 SAUSALITO, CA 94965
1234 ft. Active Status:
Site 4 of 5 in cluster F
Relative: Higher
Actual: 40 ft.
FID: Facility ID: 21000138 Regulate ID: 00010738
Reg By: Active Underground Storage Tank Location
Cortese Code: Not reported SIC Code: Not reported
Status: Active Facility Tel: (415) 331-2077
Mail To: Not reported
P O BOX SAUSALITO, CA 94965
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

F18 MRQUES PROPERTY UST U0003974892
NW 2322 MARINSHIP WAY N/A
1/8-1/4 SAUSALITO, CA 94965
1253 ft. Active Status:
Site 5 of 5 in cluster F
Relative: Higher
Actual: 27 ft.
UST Marin County:
Facility Id: Not reported
Facility Status: Not reported
Certificate Number: Not reported
Tank Number: Not reported
Tank Contents: Not reported
Location: Closed Drawer
Reason: Not reported
Last Inspected: Not reported
Pulled Date: Not reported
Program: HMBP
Active: Not reported
Since at least the 1880's, the Site has been used for maritime purposes. In around 1913, Oceanic Boatyard Company purchased the property and utilized it for boat building and repair purposes. From 1942 until 1944, Sausalito Shipbuilding built steel barges on the Site. From 1970 to 1974, the Site was operated by Bob’s Boatyard and by other individuals to build and repair fishing boats. In January 1972, the City of Napa Building Department conducted an inspection of the site and observed the usage of acetone, resins, paint and thinners. Other than boat construction and repair, operations such as a machine shop, woodshop and auto repair were also observed. In 1980, all
structures on the Site were demolished and the property was reportedly vacant. The Site has been used mainly for parking and boat storage since 1989.

An environmental assessment and initial site investigation was conducted at the Site in 1997 which found that the soil is contaminated with lead, arsenic and mercury. On March 23, 1999, a Removal Action workplan was approved. The remedy consisted of asphalt pavement in the upland zone, and a multi-layer cap in the intermediate zone (middle part of the site) and in the intertidal zone, with vegetation planted in the intertidal zone.

The removal activities occurred between July 2001 and February 2002. The removal action completion report was approved on September 27, 2002. The intertidal zone cap consisted of a geosynthetic liner placed over the contaminated soil followed by a geotextile fabric, and then by about a foot of clean soil/sediments over the fabric. After which, an erosion control blanket was installed. The sediments are expected to regenerate with native marsh plants within six to twelve months of placement. Approximately, 60 cubic yards of contaminated sediment and debris were removed from the intertidal zone. The contaminated sediments were consolidated into the southern portion of the intermediate zone. The intermediate zone cap consisted of a geosynthetic liner over the contaminated soil, followed by a geotextile fabric and then by about one foot of clean soil which has hydro-seeded. The upland zone's cap consisted of the installation of three inches of asphalt.

A deed restriction was recorded on October 10, 2002, limiting the site to commercial and recreational. The site was certified on November 26, 2003. Ongoing operation and maintenance activities include periodic cap inspections.
<table>
<thead>
<tr>
<th>Date Activity Completed</th>
<th>Est # Of Person-years To Complete</th>
<th>Est. Size Of An Activity Code</th>
<th>Site Status When Activity Commitment Made</th>
<th>Status Code Definition</th>
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<td>COM</td>
<td>CERTIFIED / OPERATION &amp; MAINTENANCE</td>
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<td>Date Activity Completed</td>
<td>Est # Of Person-years To Complete</td>
<td>Est. Size Of An Activity Code</td>
<td>Site Status When Activity Commitment Made</td>
<td>Status Code Definition</td>
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<td>Est. Size Of An Activity Code</td>
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<td>Est # Of Person-years To Complete</td>
<td>Est. Size Of An Activity Code</td>
<td>Site Status When Activity Commitment Made</td>
<td>Status Code Definition</td>
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<td>Est # Of Person-years To Complete</td>
<td>Est. Size Of An Activity Code</td>
<td>Site Status When Activity Commitment Made</td>
<td>Status Code Definition</td>
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<td>Est. Size Of An Activity Code</td>
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<td>Status Code Definition</td>
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<td>Date Activity Completed</td>
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<td>Est. Size Of An Activity Code</td>
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<td>Status Code Definition</td>
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<td>Date Activity Completed</td>
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<td>Est. Size Of An Activity Code</td>
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<td>Status Code Definition</td>
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<td>COM</td>
<td>CERTIFIED / OPERATION &amp; MAINTENANCE</td>
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</table>
GALILEE HARBOR, PARCEL 1 (Continued)  

- **Facility Id:** 21760001
- **AWP Activities Code:** 6
- **DTSC Site Activity Code:** CHP65
- **Activity Code Def:** AMENDED ORDER/AGREEMENT, CHAPTER 6.5 TRANSITION
- **AWP Activity Id:** VCA
- **Dt Activity Due For Completion:** Not reported
- **Revised Due Date:** Not reported
- **Date Activity Completed:** 12301998
- **Est # Of Person-years To Complete:** 0
- **Est. Size Of An Activity Code:** Not reported
- **Site Status When Activity Commitment Made:** COM
- **Status Code Definition:** CERTIFIED / OPERATION & MAINTENANCE
- **Cubic Yards Of Solids Removed At Completion:** 0
- **Gallons Of Liquid Removed Upon Completion:** 0
- **Cubic Yards Of Solids Treated Upon Completion:** 0
- **Actvty Deleted Via Commitmnt/Completns Screen:** Not reported

- **Facility Id:** 21760001
- **AWP Activities Code:** 7
- **DTSC Site Activity Code:** CEQA
- **Activity Code Def:** CEQA INCLUDING NEGATIVE DECS
- **AWP Activity Id:** NEG’D
- **Dt Activity Due For Completion:** Not reported
- **Revised Due Date:** Not reported
- **Date Activity Completed:** 03231999
- **Est # Of Person-years To Complete:** 0
- **Est. Size Of An Activity Code:** Not reported
- **Site Status When Activity Commitment Made:** COM
- **Status Code Definition:** CERTIFIED / OPERATION & MAINTENANCE
- **Cubic Yards Of Solids Removed At Completion:** 0
- **Gallons Of Liquid Removed Upon Completion:** 0
- **Cubic Yards Of Solids Treated Upon Completion:** 0
- **Actvty Deleted Via Commitmnt/Completns Screen:** Not reported

- **Facility Id:** 21760001
- **AWP Activities Code:** 8
- **DTSC Site Activity Code:** RA
- **Activity Code Def:** REMOVAL ACTION
- **AWP Activity Id:** SHORE
- **Dt Activity Due For Completion:** Not reported
- **Revised Due Date:** Not reported
- **Date Activity Completed:** 09272002
- **Est # Of Person-years To Complete:** 0
- **Est. Size Of An Activity Code:** Not reported
- **Site Status When Activity Commitment Made:** COM
- **Status Code Definition:** CERTIFIED / OPERATION & MAINTENANCE
- **Cubic Yards Of Solids Removed At Completion:** 60
- **Gallons Of Liquid Removed Upon Completion:** 0
- **Cubic Yards Of Solids Treated Upon Completion:** 0
- **Actvty Deleted Via Commitmnt/Completns Screen:** Not reported

- **Facility Id:** 21760001
- **AWP Activities Code:** 9
- **DTSC Site Activity Code:** DEED
- **Activity Code Def:** DEED RESTRICTIONS
- **AWP Activity Id:** Not reported
- **Dt Activity Due For Completion:** Not reported
- **Revised Due Date:** Not reported
- **Date Activity Completed:** 03231999
- **Est # Of Person-years To Complete:** 0
GALILEE HARBOR, PARCEL 1 (Continued) S103393787

Est. Size Of An Activity Code : Not reported
Site Status When Activity Commitment Made : COM
Status Code Definition : CERTIFIED / OPERATION & MAINTENANCE
Cubic Yards Of Solids Removed At Completion : 0
Gallons Of Liquid Removed Upon Completion : 0
Cubic Yards Of Solids Treated Upon Completion : 0
Acvtvty Deleted Via Commitmnt/Completns Screen : Not reported
Facility Id : 21760001
AWP Activities Code : 10
DTSC Site Activity Code : 5YEARDT
Activity Code Def : FIVE-YEAR REVIEW REQUIRED BY CERCLA
AWP Activity Id : Not reported
Dt Activity Due For Completion : 09302007
Revised Due Date : Not reported
Date Activity Completed : Not reported
Est # Of Person-years To Complete : 0
Est. Size Of An Activity Code : Not reported
Site Status When Activity Commitment Made : COM
Status Code Definition : CERTIFIED / OPERATION & MAINTENANCE
Cubic Yards Of Solids Removed At Completion : 0
Gallons Of Liquid Removed Upon Completion : 0
Cubic Yards Of Solids Treated Upon Completion : 0
Acvtvty Deleted Via Commitmnt/Completns Screen : Not reported
Special Program Code : Not reported
Special Program : Not reported
Comments Date : 02181998
Comments : Entered into a Voluntary Cleanup Agreement with Project Proponent
A Removal Action Workplan and Negative Declaration were approved.
The final remedy for the site consists of installation of an asphalt cap in the upland area. The intermediate (middle portion) and intertidal (shoreline) areas affected by the contamination will be covered by a 20 ml synthetic liner with one foot of clean soil on top. A netting will be installed in intertidal zone to hold the soil in place along with vegetation. Operation and Maintenance of the cap will be required and a deed restriction imposed on the site.
PEA approved.
The chemicals of concern are: lead, mercury, copper, and arsenic total TPH, polyaromatic hydrocarbons (PAHs), and tributyl tin oxide for synthetic organic chemicals. The PEA findings indicate that the chemical of concerns exceeded acceptable risk ranges and further work is required.

CA DEEDS:
Deed Date : 10/10/02
Deed Date 2 : Not reported
Deed Date 3 : Not reported
Deed Date 4 : Not reported
Deed Date 5 : Not reported
Deed Date 6 : Not reported
Deed Date 7 : Not reported
Deed Date 8 : Not reported
Deed Date 9 : Not reported
Deed Date 10 : Not reported
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<td>HAZNET LUST</td>
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<td>Relative:</td>
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<td>Case Number</td>
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<td>Reg Board</td>
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<td>Chemical</td>
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<td>Lead Agency</td>
<td>Regional Board</td>
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<td>Local Agency</td>
<td>21000</td>
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<td>Case Type</td>
<td>Other ground water affected</td>
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<td>Status</td>
<td>Case Closed</td>
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<tr>
<td>Abate Method</td>
<td>Excavate and Dispose - remove contaminated soil and dispose in approved site</td>
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<tr>
<td>Review Date</td>
<td>1997-09-12 00:00:00</td>
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<td>Confirm Leak</td>
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<td>1998-09-21 00:00:00</td>
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<td>Interim</td>
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<td>MTBE Detected. Site tested for MTBE &amp; MTBE detected</td>
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<td>MTBE Conc</td>
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CLIPPER YACHT MARINA (Continued)

Water System Name: Not reported
Well Name: Not reported
Distance To LUST: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

LUST Region 2:
Region: 2
Case Number: 21-0323
Facility Id: 21-0323
Facility Status: Case Closed
How Discovered: TC
Leak Cause: UNK
Leak Source: UNK
Date Leak Confirmed: 9/12/1997
Preliminary Site Assessment Began: 9/21/1998
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Remediation Action Underway: 5/24/1999

HAZNET:
Gepaid: CAD981451149
TSD EPA ID: CAD028409019
Gen County: Marin
Tsd County: Los Angeles
Tons: 1.1467
Waste Category: Off-specification, aged, or surplus organics
Disposal Method: Transfer Station
Contact: CORP
Telephone: (000) 000-0000
Mailing Address: PO BOX 187
SAUSALITO, CA 94966
County: Marin
Gepaid: CAD981451149
TSD EPA ID: Not reported
Gen County: Marin
Tsd County: Santa Clara
Tons: 2.91
Waste Category: Unspecified oil-containing waste
Disposal Method: Recycler
Contact: C PEDERSEN
Telephone: (415) 332-3500
Mailing Address: PO BOX 187
SAUSALITO, CA 94966
County: Not reported
Gepaid: CAD981451149
TSD EPA ID: CAL000161741
Gen County: Marin
Tsd County: 1
Tons: 4.3785
Waste Category: Unspecified oil-containing waste
Disposal Method: Transfer Station
Contact: CORP
Telephone: (000) 000-0000
Mailing Address: PO BOX 187
CLIPPER YACHT MARINA (Continued)

SAUSALITO, CA 94966

County: Marin

Gepaid: CAD981451149

TSD EPA ID: CAD980887418

Gen County: Marin

Tsd County: 1

Tons: 1.9599

Waste Category: Waste oil and mixed oil

Disposal Method: Recycler

Contact: CORP

Telephone: (000) 000-0000

Mailing Address: PO BOX 187

SAUSALITO, CA 94966

County: Marin

Gepaid: CAD981451149

TSD EPA ID: Not reported

Gen County: Marin

Tsd County: Los Angeles

Tons: 1.37

Waste Category: Unspecified organic liquid mixture

Disposal Method: Transfer Station

Contact: C PEDERSEN

Telephone: (415) 332-3500

Mailing Address: PO BOX 187

SAUSALITO, CA 94966

County: Not reported

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

CORTESER

Region: CORTESE

Fac Address 2: 310 HARBOR DR

21

PACIFIC BELL

ESE

414 TURNERY STREET

1/2-1

SAUSALITO, CA 94965

2669 ft.

Relative: Lower

Actual: 19 ft.

RCRIS:

Owner: NOT REQUIRED

(415) 555-1212

EPA ID: CAT080015803

Contact: Not reported

Classification: Small Quantity Generator

TSDF Activities: Not reported
Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:

Resource Conservation and Recovery Act Information system

State LUST:
Cross Street: Not reported
Qty Leaked: Not reported
Case Number: 21-0105
Reg Board: 2
Chemical: Diesel
Lead Agency: Regional Board
Local Agency: 21000
Case Type: Other ground water affected
Status: Case Closed
Abate Method: Excavate and Dispose - remove contaminated soil and dispose in approved site

Review Date: Not reported
Confirm Leak: Not reported
Workplan: 1989-05-10 00:00:00
Prelim Assess: 1989-05-10 00:00:00
Pollution Char: Not reported
Remed Action: Not reported
Remed Plan: Not reported
Monitoring: Not reported
污染物: Not reported
Close Date: 1994-01-09 00:00:00
Release Date: Not reported
Cleanup Fund Id: Not reported
Discover Date: Not reported
Enforcement Dt: Not reported
Enforcement Type: Not reported
Enter Date: 1989-06-22 00:00:00
Funding: Federal Funds
Staff Initials: UNK
How Discovered: Tank Closure
How Stopped: Not reported
Interim: Yes
Leak Cause: Structure Failure
Leak Source: Tank
MTBE Date: Not reported
MTBE Test Date: Not reported
MTBE Tested: Not Required to be Tested.
Priority: Not reported
Local Case #: 0
Beneficial: Not reported
Staff: JMJ
GW Qualifier: Not reported
Max MTBE Soil: Not reported
Soil Qualifier: Not reported
Hydr Basin #: UNNAMED BASIN
Operator: Not reported
Oversight Prgm: LUST
Review Date: 1994-01-09 00:00:00
Stop Date: Not reported
Work Suspended: No
Responsible Party: BLANK RP
RP Address: Not reported
Global Id: T0604100101
Org Name: Not reported
### PACIFIC BELL (Continued)

- **Contact Person:** Not reported
- **MTBE Conc.:** 0
- **Mbbe Fuel:** 0
- **Water System Name:** Not reported
- **Well Name:** Not reported
- **Distance To Lust:** 0
- **Waste Discharge Global ID:** Not reported
- **Waste Disch Assigned Name:** Not reported

#### LUST Region 2:
- **Region:** 2
- **Case Number:** 21-0105
- **Facility Id:** 21-0105
- **Capacity Status:** Case Closed
- **How Discovered:** TC
- **Leak Cause:** Structure Failure
- **Leak Source:** Tank
- **Date Leak Confirmed:** Not reported
- **Prelim. Site Assessment Workplan Submitted:** Not reported
- **Preliminary Site Assessment Began:** 5/10/1989
- **Pollution Characterization Began:** Not reported
- **Pollution Remediation Plan Submitted:** Not reported
- **Date Remediation Action Underway:** Not reported
- **Date Remediation Action Underway:** Not reported

#### HAZNET:
- **Gepaid:** CAT080015803
- **TSD EPA ID:** CAT080013352
- **Gen County:** Marin
- **Tsd County:** Los Angeles
- **Tons:** 2085
- **Waste Category:** Oil/water separation sludge
- **Disposal Method:** Recycler
- **Contact:** PACIFIC BELL
- **Telephone:** (925) 823-6161
- **Mailing Address:**
  - PO BOX 5095 RM 3E000
  - SAN RAMON, CA 94583 - 0995
- **County:** Marin
- **Gepaid:** CAT080015803
- **TSD EPA ID:** CAT080013352
- **Gen County:** Marin
- **Tsd County:** Los Angeles
- **Tons:** 0.0417
- **Waste Category:** Oil/water separation sludge
- **Disposal Method:** Recycler
- **Contact:** PACIFIC BELL
- **Telephone:** (925) 823-6161
- **Mailing Address:**
  - PO BOX 5095 RM 3E000
  - SAN RAMON, CA 94583 - 0995
- **County:** Marin
PACIFIC BELL (Continued)

Gepaid: CAT080015803
TSD EPA ID: Not reported
Gen County: Marin
Tsd County: Los Angeles
Tons: 0.16
Waste Category: Aqueous solution with 10% or more total organic residues
Disposal Method: Recycler
Contact: SHARON BAYLE/STAFF ASSOC
Telephone: (925) 867-5741
Mailing Address: PO BOX 5095 RM 3000
SAN RAMON, CA 94583 - 0995
County: Not reported

NOTIFY 65:
Date Reported: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Incident Description: 93021

CORTESE:
Region: CORTESE
Fac Address 2: 414 TURNSEY ST

UST HIST:
Facility ID: 57743
Owner Address: 370 THIRD STREET
SAN FRANCISCO, CA 94107
Owner Name: PACIFIC BELL
Region: STATE
Total Tanks: 1
Tank Used for: PRODUCT
Tank Num: 1
Container Num: 1
Tank Capacity: 00004000
Year Installed: 1981
Type of Fuel: DIESEL
Tank Construction: Not Reported
Leak Detection: None
Contact Name: E.J. KOEHLER
Telephone: (415) 542-6758
Facility Type: Other
Other Type: SIC 4800
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<td>MARIN FLEA MARKET</td>
<td>DONAHUE &amp; HWY. 1</td>
<td>94965</td>
<td>UST</td>
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<td>MARIN COUNTY</td>
<td>S105632050</td>
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<td>US 101 EST BLYTHEDALE EXIT</td>
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<td>S105631867</td>
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<td>HAMILTON ARMY AIRFIELD  BLD. # 41</td>
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<td>SIR FRANCIS DRAKE BLVD AT MCALLISTER AVE NEAR BACI</td>
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<td>EAST FORT BAKER</td>
<td>91 ACRES; 2 MI SOUTH OF SAUSALITO, CA</td>
<td>94965</td>
<td>Cal-Sites, AWP</td>
</tr>
<tr>
<td>SAUSALITO</td>
<td>S105090461</td>
<td>US ARMY RESERVE CENTER FORT BAKER</td>
<td>BLDG 602 FORT BAKER</td>
<td>94965</td>
<td>HAZNET</td>
</tr>
<tr>
<td>SAUSALITO</td>
<td>U003914769</td>
<td>STATE FILE HAVE NO INFO ON THIS SITE.</td>
<td>2101 BRIDGEWAY AVE.</td>
<td>94965</td>
<td>UST</td>
</tr>
<tr>
<td>SAUSALITO</td>
<td>U003914770</td>
<td>STATE FILE HAVE NO INFO ON THIS SITE.</td>
<td>2680 BRIDGEWAY AVE.</td>
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<td>UST</td>
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<tr>
<td>SAUSALITO</td>
<td>U003914811</td>
<td>VILLAGE FAIRE</td>
<td>777 BRIDGEWAY AVE.</td>
<td>94965</td>
<td>UST</td>
</tr>
<tr>
<td>SAUSALITO</td>
<td>U003974987</td>
<td>SAUSALITO AUTO SERVICE</td>
<td>1103 BRIDGEWAY AVE.</td>
<td>94965</td>
<td>UST</td>
</tr>
<tr>
<td>SAUSALITO</td>
<td>U003975012</td>
<td>SNAPS REPROGRAPHICS</td>
<td>2200 BRIDGEWAY AVE.</td>
<td>94965</td>
<td>UST</td>
</tr>
<tr>
<td>SAUSALITO</td>
<td>U003975036</td>
<td>U. S. ARMY CORPS OF ENGINEERS</td>
<td>2100 BRIDGEWAY AVE.</td>
<td>94965</td>
<td>UST</td>
</tr>
<tr>
<td>SAUSALITO</td>
<td>S102361137</td>
<td>DUNPHY PARK</td>
<td>BROADWAY AND LITHO</td>
<td></td>
<td>SWF/LF</td>
</tr>
<tr>
<td>SAUSALITO</td>
<td>U003914642</td>
<td>MARINE MAMMAL CENTER (FT. CRONKHTE)</td>
<td>BUNKER RD., BLDG., 51104</td>
<td>94965</td>
<td>UST</td>
</tr>
<tr>
<td>SAUSALITO</td>
<td>96489569</td>
<td>CURRUSO SPORT FISHING CENTER / 310 HARBOR DR</td>
<td>CURRUSO SPORT FISHING CENTER / 310 HARBOR DR</td>
<td></td>
<td>ERNS</td>
</tr>
<tr>
<td>SAUSALITO</td>
<td>S103678787</td>
<td>THE MARINE MAMMAL CENTER</td>
<td>GGNA</td>
<td>94965</td>
<td>HAZNET</td>
</tr>
<tr>
<td>SAUSALITO</td>
<td>1001231393</td>
<td>MARINE MAMMAL CENTER</td>
<td>MARIN HEADLANDS G.G N R A</td>
<td>94965</td>
<td>RCRIS-SQG, FINDS, HAZNET</td>
</tr>
<tr>
<td>SAUSALITO</td>
<td>S106448550</td>
<td>GGNA-MAIN MARIN HILL 88</td>
<td>OFF BUNKER ROAD ON COASTAL TRAIL</td>
<td></td>
<td>LUST</td>
</tr>
<tr>
<td>SAUSALITO</td>
<td>92260925</td>
<td>SAUSALITO MARINA CENTER (HOUSEBOAT)</td>
<td>SAUSALITO MARINA CENTER (HOUSEBOAT)</td>
<td>94965</td>
<td>ERNS</td>
</tr>
<tr>
<td>SAUSALITO</td>
<td>S105691050</td>
<td>EAST FORT BAKER BLDG 699</td>
<td>699 SOMMERVILLE ROAD</td>
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<td>LUST</td>
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<tr>
<td>SAUSALITO</td>
<td>1003879413</td>
<td>MARINSHIP</td>
<td>SPRING ST &amp; GATE 5 RD TO BAY</td>
<td>94965</td>
<td>CERC-NFRAP</td>
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<tr>
<td>SAUSALITO</td>
<td>S106234956</td>
<td>MARINSHIP</td>
<td>UNKNOWN SPRING ST / GATE 5</td>
<td></td>
<td>CA SLIC</td>
</tr>
</tbody>
</table>
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) and regional EPA offices.

- Date of Government Version: 07/30/04  
- Date Made Active at EDR: 09/09/04  
- Database Release Frequency: Semi-Annually  
- Date of Last EDR Contact: 08/03/04

**NPL Site Boundaries**

Sources:

- EPA’s Environmental Photographic Interpretation Center (EPIC)  
  Telephone: 202-564-7333
- EPA Region 1  
  Telephone 617-918-1143
- EPA Region 3  
  Telephone 215-814-5418
- EPA Region 4  
  Telephone 404-562-8033
- EPA Region 6  
  Telephone: 214-655-6659
- EPA Region 8  
  Telephone: 303-312-6774

**Proposed NPL:** Proposed National Priority List Sites  
Source: EPA  
Telephone: N/A

- Date of Government Version: 07/22/04  
- Date Made Active at EDR: 09/09/04  
- Database Release Frequency: Semi-Annually  
- Date of Last EDR Contact: 08/03/04

### 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: 05/17/04  
- Date Made Active at EDR: 08/10/04  
- Database Release Frequency: Quarterly  
- Date of Last EDR Contact: 08/10/04

### CERCLIS-NFRAP: CERCLIS 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.
CORRACTS: Corrective Action Report  
Source: EPA  
Telephone: 800-424-9346  
CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 06/15/04  
Date Made Active at EDR: 08/10/04  
Database Release Frequency: Semi-Annually  
Date of Last EDR Contact: 09/07/04

RCRIS: Resource Conservation and Recovery Information System  
Source: EPA  
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). Conditionally exempt small quantity generators (CESQGs): generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs): generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs): generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 08/10/04  
Date Made Active at EDR: 10/11/04  
Database Release Frequency: Annually  
Date of Last EDR Contact: 08/24/04

ERNS: Emergency Response Notification System  
Source: National Response Center, United States Coast Guard  
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: 12/31/03  
Date Made Active at EDR: 03/12/04  
Database Release Frequency: Annually  
Date of Last EDR Contact: 07/26/04

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: 12/01/01  
Database Release Frequency: Biennially  
Date of Last EDR Contact: 09/20/04  
Date of Next Scheduled EDR Contact: 12/13/04

CONSENT: Superfund (CERCLA) Consent Decrees  
Source: Department of Justice, Consent Decree Library  
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: 03/05/04  
Database Release Frequency: Varies  
Date of Last EDR Contact: 07/30/04  
Date of Next Scheduled EDR Contact: 10/25/04
### ROD: Records Of Decision
- **Source:** EPA
- **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.

<table>
<thead>
<tr>
<th>Date of Government Version</th>
<th>Date of Last EDR Contact</th>
<th>Date of Next Scheduled EDR Contact</th>
</tr>
</thead>
<tbody>
<tr>
<td>06/07/04</td>
<td>07/07/04</td>
<td>10/04/04</td>
</tr>
</tbody>
</table>

### DELISTED NPL: National Priority List 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.

<table>
<thead>
<tr>
<th>Date of Government Version</th>
<th>Date of Last EDR Contact</th>
<th>Date of Next Scheduled EDR Contact</th>
</tr>
</thead>
<tbody>
<tr>
<td>07/30/04</td>
<td>08/03/04</td>
<td>11/01/04</td>
</tr>
</tbody>
</table>

### 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).

<table>
<thead>
<tr>
<th>Date of Government Version</th>
<th>Date of Last EDR Contact</th>
<th>Date of Next Scheduled EDR Contact</th>
</tr>
</thead>
<tbody>
<tr>
<td>04/08/04</td>
<td>07/06/04</td>
<td>10/04/04</td>
</tr>
</tbody>
</table>

### HMIRS: Hazardous Materials Information Reporting System
- **Source:** U.S. Department of Transportation
- **Telephone:** 202-366-4555

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

<table>
<thead>
<tr>
<th>Date of Government Version</th>
<th>Date of Last EDR Contact</th>
<th>Date of Next Scheduled EDR Contact</th>
</tr>
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<tbody>
<tr>
<td>02/17/04</td>
<td>04/20/04</td>
<td>07/19/04</td>
</tr>
</tbody>
</table>

### 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.

<table>
<thead>
<tr>
<th>Date of Government Version</th>
<th>Date of Last EDR Contact</th>
<th>Date of Next Scheduled EDR Contact</th>
</tr>
</thead>
<tbody>
<tr>
<td>07/15/04</td>
<td>07/06/04</td>
<td>10/04/04</td>
</tr>
</tbody>
</table>

### MINES: Mines Master Index File
- **Source:** Department of Labor, Mine Safety and Health Administration
- **Telephone:** 303-231-5959

<table>
<thead>
<tr>
<th>Date of Government Version</th>
<th>Date of Last EDR Contact</th>
<th>Date of Next Scheduled EDR Contact</th>
</tr>
</thead>
<tbody>
<tr>
<td>06/04/04</td>
<td>09/28/04</td>
<td>12/27/04</td>
</tr>
</tbody>
</table>

### NPL LIENS: Federal Superfund Liens
- **Source:** EPA
- **Telephone:** 202-564-4267

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.
<table>
<thead>
<tr>
<th>Database Type</th>
<th>Description</th>
<th>Source</th>
<th>Telephone</th>
</tr>
</thead>
<tbody>
<tr>
<td>PADS: PCB Activity Database System</td>
<td>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.</td>
<td>EPA</td>
<td>202-564-3887</td>
</tr>
<tr>
<td>DOD: Department of Defense Sites</td>
<td>This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.</td>
<td>USGS</td>
<td>703-692-8801</td>
</tr>
<tr>
<td>INDIAN RESERV: Indian Reservations</td>
<td>This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.</td>
<td>USGS</td>
<td>202-208-3710</td>
</tr>
<tr>
<td>FUDS: Formerly Used Defense Sites</td>
<td>The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.</td>
<td>U.S. Army Corps of Engineers</td>
<td>202-528-4285</td>
</tr>
<tr>
<td>STORMWATER: Storm Water General Permits</td>
<td>A listing of all facilities with Storm Water General Permits.</td>
<td>Environmental Protection Agency</td>
<td>202-564-0746</td>
</tr>
<tr>
<td>RMP: Risk Management Plans</td>
<td>When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g. fire department) should an accident occur.</td>
<td>Environmental Protection Agency</td>
<td>202-564-8600</td>
</tr>
</tbody>
</table>
Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized. In 1978, 24 inactive uranium mill tailings sites in Oregon, Idaho, Wyoming, Utah, Colorado, New Mexico, Texas, North Dakota, South Dakota, Pennsylvania, and on Navajo and Hopi tribal lands, were targeted for cleanup by the Department of Energy.
Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-564-2501
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

STATE OF CALIFORNIA ASTM STANDARD RECORDS

AWP: Annual Workplan Sites
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.

CAL-SITES: Calsites Database
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.

CHMIRS: California Hazardous Material Incident Report System
Source: Office of Emergency Services
Telephone: 916-845-8400
California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

CORTESE: "Cortese" Hazardous Waste & Substances Sites List
Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-9100
The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites). This listing is no longer updated by the state agency.
<table>
<thead>
<tr>
<th>Database</th>
<th>Date of Government Version</th>
<th>Date of Data Arrival at EDR</th>
<th>Date Made Active at EDR</th>
<th>Elapsed ASTM days</th>
<th>Database Release Frequency</th>
<th>Date of Last EDR Contact</th>
</tr>
</thead>
<tbody>
<tr>
<td>NOTIFY 65: Proposition 65 Records</td>
<td>04/01/01</td>
<td>05/29/01</td>
<td>07/26/01</td>
<td>58</td>
<td>No Update Planned</td>
<td>07/29/04</td>
</tr>
<tr>
<td>TOXIC PITS: Toxic Pits Cleanup Act Sites</td>
<td>10/21/93</td>
<td>11/01/93</td>
<td>11/19/93</td>
<td>18</td>
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<td>07/20/04</td>
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<tr>
<td>SWF/LF (SWIS): Solid Waste Information System</td>
<td>07/01/95</td>
<td>08/30/95</td>
<td>09/26/95</td>
<td>18</td>
<td>No Update Planned</td>
<td>08/02/04</td>
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<tr>
<td>WMUDDS/SWAT: Waste Management Unit Database</td>
<td>04/01/00</td>
<td>04/10/00</td>
<td>05/10/00</td>
<td>30</td>
<td>Quarterly</td>
<td>09/08/04</td>
</tr>
<tr>
<td>LUST: Leaking Underground Storage Tank Information System</td>
<td>07/12/04</td>
<td>07/12/04</td>
<td>07/30/04</td>
<td>18</td>
<td>Quarterly</td>
<td>07/12/04</td>
</tr>
</tbody>
</table>
CA BOND EXP. PLAN: 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

CA UST:
UST: Active UST Facilities
Source: SWRCB
Telephone: 916-341-5752
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 07/12/04
Date Made Active at EDR: 08/06/04
Database Release Frequency: Semi-Annually

VCP: Voluntary Cleanup Program Properties
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC’s costs.

Date of Government Version: 06/01/04
Date Made Active at EDR: 06/25/04
Database Release Frequency: Quarterly

INDIAN LUST: Leaking Underground Storage Tanks on Indian Land
Source: Environmental Protection Agency
Telephone: 415-972-3372
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 06/18/04
Date Made Active at EDR: 07/26/04
Database Release Frequency: Quarterly

INDIAN LUST: Leaking Underground Storage Tanks on Indian Land
Source: EPA Region 10
Telephone: 206-553-2857

Date of Government Version: 06/23/04
Date Made Active at EDR: 07/26/04
Database Release Frequency: Varies

INDIAN UST: Underground Storage Tanks on Indian Land
Source: EPA Region 9
Telephone: 415-972-3368

Date of Government Version: 06/18/04
Date Made Active at EDR: 07/26/04
Database Release Frequency: Varies

CA FID UST: 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.
HIST UST: Hazardous Substance Storage Container Database
Source: State Water Resources Control Board
Telephone: 916-341-5700
The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

STATE OF CALIFORNIA ASTM SUPPLEMENTAL RECORDS
AST: Aboveground Petroleum Storage Tank Facilities
Source: State Water Resources Control Board
Telephone: 916-341-5712
Registered Aboveground Storage Tanks.

CLEANERS: Cleaner Facilities
Source: Department of Toxic Substance Control
Telephone: 916-225-0873
A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes:
- power laundries, family and commercial;
- garment pressing and cleaner's agents;
- linen supply;
- coin-operated laundries and cleaning;
- drycleaning plants, except rugs;
- carpet and upholster cleaning;
- industrial launderers;
- laundry and garment services.

CA WDS: Waste Discharge System
Source: State Water Resources Control Board
Telephone: 916-341-5227
Sites which have been issued waste discharge requirements.

DEED: List of Deed Restrictions
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
The use of recorded land use restrictions is one of the methods the DTSC uses to protect the public from unsafe exposures to hazardous substances and wastes.

NFA: No Further Action Determination
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
This category contains properties at which DTSC has made a clear determination that the property does not pose a problem to the environment or to public health.
EMI: Emissions Inventory Data  
Source: California Air Resources Board  
Telephone: 916-322-2990  
Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.  

Date of Government Version: 12/31/02  
Database Release Frequency: Varies  
Date of Last EDR Contact: 07/22/04  
Date of Next Scheduled EDR Contact: 10/18/04

REF: Unconfirmed Properties Referred to Another Agency  
Source: Department of Toxic Substances Control  
Telephone: 916-323-3400  
This category contains properties where contamination has not been confirmed and which were determined as not requiring direct DTSC Site Mitigation Program action or oversight. Accordingly, these sites have been referred to another state or local regulatory agency.  

Date of Government Version: 06/01/04  
Database Release Frequency: Quarterly  
Date of Last EDR Contact: 09/16/04  
Date of Next Scheduled EDR Contact: 11/29/04

SCH: School Property Evaluation Program  
Source: Department of Toxic Substances Control  
Telephone: 916-323-3400  
This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.  

Date of Government Version: 06/01/04  
Database Release Frequency: Quarterly  
Date of Last EDR Contact: 09/16/04  
Date of Next Scheduled EDR Contact: 11/29/04

NFE: Properties Needing Further Evaluation  
Source: Department of Toxic Substances Control  
Telephone: 916-323-3400  
This category contains properties that are suspected of being contaminated. These are unconfirmed contaminated properties that need to be assessed using the PEA process. PEA in Progress indicates properties where DTSC is currently conducting a PEA. PEA Required indicates properties where DTSC has determined a PEA is required, but not currently underway.  

Date of Government Version: 06/01/04  
Database Release Frequency: Quarterly  
Date of Last EDR Contact: 09/16/04  
Date of Next Scheduled EDR Contact: 11/29/04

SLIC: Statewide SLIC Cases  
Source: State Water Resources Control Board  
Telephone: 916-341-5752  
The Spills, Leaks, Investigations, and Cleanups (SLIC) listings includes unauthorized discharges from spills and leaks, other than from underground storage tanks or other regulated sites.  

Date of Government Version: 08/03/04  
Database Release Frequency: Varies  
Date of Last EDR Contact: 08/03/04  
Date of Next Scheduled EDR Contact: 10/11/04

HAZNET: Facility and Manifest Data  
Source: California Environmental Protection Agency  
Telephone: 916-255-1136  
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: 12/31/02  
Database Release Frequency: Annually  
Date of Last EDR Contact: 08/09/04  
Date of Next Scheduled EDR Contact: 11/08/04
## 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: 08/17/04
- Database Release Frequency: Semi-Annually
- Date of Last EDR Contact: 07/26/04
- Date of Next Scheduled EDR Contact: 10/25/04

**Underground Tanks**
- Source: Alameda County Environmental Health Services
- Telephone: 510-567-6700
- Date of Government Version: 08/17/04
- Database Release Frequency: Semi-Annually
- Date of Last EDR Contact: 07/26/04
- Date of Next Scheduled EDR Contact: 10/25/04

### CONTRA COSTA COUNTY:

**Site List**
- Source: Contra Costa Health Services Department
- Telephone: 925-646-2286
- Date of Government Version: 08/30/04
- Database Release Frequency: Semi-Annually
- Date of Last EDR Contact: 08/30/04
- Date of Next Scheduled EDR Contact: 11/29/04

### FRESNO COUNTY:

**CUPA Resources List**
- Source: Dept. of Community Health
- Telephone: 559-445-3271
- Certified Unified Program Agency. CUPA’s are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.
- Date of Government Version: 07/21/04
- Database Release Frequency: Semi-Annually
- Date of Last EDR Contact: 08/09/04
- Date of Next Scheduled EDR Contact: 11/08/04

### KERN COUNTY:

**Underground Storage Tank Sites & Tank Listing**
- Source: Kern County Environment Health Services Department
- Telephone: 661-862-8700
- Kern County Sites and Tanks Listing.
- Date of Government Version: 01/27/04
- Database Release Frequency: Quarterly
- Date of Last EDR Contact: 09/07/04
- Date of Next Scheduled EDR Contact: 12/06/04

### LOS ANGELES COUNTY:

**List of Solid Waste Facilities**
- Source: La County Department of Public Works
- Telephone: 818-458-5185
<table>
<thead>
<tr>
<th>City of El Segundo Underground Storage Tank</th>
<th>City of Long Beach Underground Storage Tank</th>
<th>City of Torrance Underground Storage Tank</th>
<th>City of Los Angeles Landfills</th>
<th>HMS: Street Number List</th>
<th>Site Mitigation List</th>
<th>San Gabriel Valley Areas of Concern</th>
<th>MARIN COUNTY:</th>
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<tbody>
<tr>
<td>Source: City of El Segundo Fire Department</td>
<td>Source: City of Long Beach Fire Department</td>
<td>Source: City of Torrance Fire Department</td>
<td>Source: Engineering &amp; Construction Division</td>
<td>Source: Department of Public Works</td>
<td>Source: Community Health Services</td>
<td>Source: EPA Region 9</td>
<td>Source: Public Works Department Waste Management</td>
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<td>Database Release Frequency: Varies</td>
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<td>Date of Last EDR Contact: 08/16/04</td>
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<td>Date of Next Scheduled EDR Contact: N/A</td>
<td>Date of Next Scheduled EDR Contact: N/A</td>
</tr>
</tbody>
</table>

**MARIN COUNTY:**

**Underground Storage Tank Sites**
- Source: Public Works Department Waste Management
- Telephone: 415-499-6647
- Currently permitted USTs in Marin County.
NAPA COUNTY:

Sites With Reported Contamination
Source: Napa County Department of Environmental Management
Telephone: 707-253-4269

Closed and Operating Underground Storage Tank Sites
Source: Napa County Department of Environmental Management
Telephone: 707-253-4269

ORANGE COUNTY:

List of Underground Storage Tank Cleanups
Source: Health Care Agency
Telephone: 714-834-3446
Orange County Underground Storage Tank Cleanups (LUST).

List of Underground Storage Tank Facilities
Source: Health Care Agency
Telephone: 714-834-3446
Orange County Underground Storage Tank Facilities (UST).

List of Industrial Site Cleanups
Source: Health Care Agency
Telephone: 714-834-3446
Petroleum and non-petroleum spills.

PLACER COUNTY:

Master List of Facilities
Source: Placer County Health and Human Services
Telephone: 530-889-7312
List includes aboveground tanks, underground tanks and cleanup sites.
RIVERSIDE COUNTY:

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: 06/21/04
- Database Release Frequency: Quarterly
- Date of Last EDR Contact: 07/19/04
- Date of Next Scheduled EDR Contact: 10/18/04

Underground Storage Tank Tank List
Source: Health Services Agency
Telephone: 909-358-5055

- Date of Government Version: 06/21/04
- Database Release Frequency: Quarterly
- Date of Last EDR Contact: 07/19/04
- Date of Next Scheduled EDR Contact: 10/18/04

SACRAMENTO COUNTY:

CS - Contaminated Sites
Source: Sacramento County Environmental Management
Telephone: 916-875-8406

- Date of Government Version: 04/16/04
- Database Release Frequency: Quarterly
- Date of Last EDR Contact: 08/02/04
- Date of Next Scheduled EDR Contact: 11/02/04

ML - Regulatory Compliance Master List
Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

- Date of Government Version: 04/16/04
- Database Release Frequency: Quarterly
- Date of Last EDR Contact: 08/02/04
- Date of Next Scheduled EDR Contact: 11/01/04

SAN BERNARDINO COUNTY:

Hazardous Material Permits
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: 06/28/04
- Database Release Frequency: Quarterly
- Date of Last EDR Contact: 09/07/04
- Date of Next Scheduled EDR Contact: 12/06/04

SAN DIEGO COUNTY:

Solid Waste Facilities
Source: Department of Health Services
Telephone: 619-338-2209
San Diego County Solid Waste Facilities.

- Date of Government Version: 08/01/00
- Database Release Frequency: Varies
- Date of Last EDR Contact: 08/23/04
- Date of Next Scheduled EDR Contact: 11/22/04
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: 06/29/04 Date of Last EDR Contact: 07/07/04
Database Release Frequency: Quarterly Date of Next Scheduled EDR Contact: 10/04/04

SAN FRANCISCO COUNTY:

Local Oversite Facilities
Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920

Date of Government Version: 06/07/04 Date of Last EDR Contact: 09/20/04
Database Release Frequency: Quarterly Date of Next Scheduled EDR Contact: 12/06/04

Underground Storage Tank Information
Source: Department of Public Health
Telephone: 415-252-3920

Date of Government Version: 06/07/04 Date of Last EDR Contact: 09/20/04
Database Release Frequency: Quarterly Date of Next Scheduled EDR Contact: 12/26/04

SAN MATEO COUNTY:

Fuel Leak List
Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921

Date of Government Version: 08/03/04 Date of Last EDR Contact: 07/09/04
Database Release Frequency: Semi-Annually Date of Next Scheduled EDR Contact: 10/11/04

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: 08/19/04 Date of Last EDR Contact: 07/12/04
Database Release Frequency: Annually Date of Next Scheduled EDR Contact: 10/11/04

SANTA CLARA COUNTY:

Fuel Leak Site Activity Report
Source: Santa Clara Valley Water District
Telephone: 408-265-2600

Date of Government Version: 06/30/04 Date of Last EDR Contact: 09/27/04
Database Release Frequency: Semi-Annually Date of Next Scheduled EDR Contact: 12/27/04
Hazardous Material Facilities
Source: City of San Jose Fire Department
Telephone: 408-277-4659
Date of Government Version: 10/01/03
Database Release Frequency: Annually
Date of Last EDR Contact: 09/07/04
Date of Next Scheduled EDR Contact: 12/06/04

SOLANO COUNTY:

Leaking Underground Storage Tanks
Source: Solano County Department of Environmental Management
Telephone: 707-421-6770
Date of Government Version: 07/08/04
Database Release Frequency: Quarterly
Date of Last EDR Contact: 09/13/04
Date of Next Scheduled EDR Contact: 12/13/04

Underground Storage Tanks
Source: Solano County Department of Environmental Management
Telephone: 707-421-6770
Date of Government Version: 07/08/04
Database Release Frequency: Quarterly
Date of Last EDR Contact: 09/13/04
Date of Next Scheduled EDR Contact: 12/13/04

SONOMA COUNTY:

Leaking Underground Storage Tank Sites
Source: Department of Health Services
Telephone: 707-565-6565
Date of Government Version: 07/26/04
Database Release Frequency: Quarterly
Date of Last EDR Contact: 07/26/04
Date of Next Scheduled EDR Contact: 10/25/04

SUTTER COUNTY:

Underground Storage Tanks
Source: Sutter County Department of Agriculture
Telephone: 530-822-7500
Date of Government Version: 01/29/04
Database Release Frequency: Semi-Annually
Date of Last EDR Contact: 07/06/04
Date of Next Scheduled EDR Contact: 10/04/04

VENTURA COUNTY:

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: 09/01/02
Database Release Frequency: Annually
Date of Last EDR Contact: 08/25/04
Date of Next Scheduled EDR Contact: 11/22/04

Listing of Underground Tank Cleanup Sites
Source: Environmental Health Division
Telephone: 805-654-2813
Ventura County Underground Storage Tank Cleanup Sites (LUST).
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.

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.

YOLO COUNTY:
Underground Storage Tank Comprehensive Facility Report
Source: Yolo County Department of Health
Telephone: 530-666-8646

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

LUST REG 2: Fuel Leak List
Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457

LUST REG 3: Leaking Underground Storage Tank Database
Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147

LUST REG 4: Underground Storage Tank Leak List
Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board’s LUST database.
LUST REG 5: Leaking Underground Storage Tank Database
Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Date of Government Version: 07/01/04
Database Release Frequency: Quarterly
Date of Last EDR Contact: 07/19/04
Date of Next Scheduled EDR Contact: 10/04/04

LUST REG 6L: Leaking Underground Storage Tank Case Listing
Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 916-542-5424
For more current information, please refer to the State Water Resources Control Board’s LUST database.
Date of Government Version: 09/09/03
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 09/08/04
Date of Next Scheduled EDR Contact: 12/06/04

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: 08/09/04
Database Release Frequency: Quarterly
Date of Last EDR Contact: 10/04/04
Date of Next Scheduled EDR Contact: 01/03/05

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: 02/26/04
Database Release Frequency: Quarterly
Date of Last EDR Contact: 09/27/04
Date of Next Scheduled EDR Contact: 12/27/04

LUST REG 8: Leaking Underground Storage Tanks
Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4498
California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board’s LUST database.
Date of Government Version: 07/01/04
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 08/09/04
Date of Next Scheduled EDR Contact: 11/08/04

LUST REG 9: Leaking Underground Storage Tank Report
Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board’s LUST database.
Date of Government Version: 03/01/01
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 06/29/04
Date of Next Scheduled EDR Contact: 10/18/04

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: 04/03/03
Database Release Frequency: Semi-Annually
Date of Last EDR Contact: 08/23/04
Date of Next Scheduled EDR Contact: 11/22/04

Date of Government Version: 09/07/04
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 08/16/04
Date of Next Scheduled EDR Contact: 12/27/04

Date of Government Version: 07/01/04
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 07/19/04
Date of Next Scheduled EDR Contact: 10/04/04

Date of Government Version: 09/09/03
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 09/08/04
Date of Next Scheduled EDR Contact: 12/06/04

Date of Government Version: 08/09/04
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 10/04/04
Date of Next Scheduled EDR Contact: 01/03/05

Date of Government Version: 02/26/04
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 09/27/04
Date of Next Scheduled EDR Contact: 12/27/04

Date of Government Version: 07/01/04
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 08/09/04
Date of Next Scheduled EDR Contact: 11/08/04

Date of Government Version: 03/01/01
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 06/29/04
Date of Next Scheduled EDR Contact: 10/18/04

Date of Government Version: 04/03/03
Database Release Frequency: Semi-Annually
Date of Last EDR Contact: 08/23/04
Date of Next Scheduled EDR Contact: 11/22/04
SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing  
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: 07/12/04  
Date of Last EDR Contact: 07/12/04  
Database Release Frequency: Quarterly  
Date of Next Scheduled EDR Contact: 10/11/04

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing  
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: 08/20/04  
Date of Last EDR Contact: 08/16/04  
Database Release Frequency: Semi-Annually  
Date of Next Scheduled EDR Contact: 11/15/04

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing  
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: 07/08/04  
Date of Last EDR Contact: 07/26/04  
Database Release Frequency: Quarterly  
Date of Next Scheduled EDR Contact: 10/25/04

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing  
Source: Regional Water Quality Control Board Central Valley Region (5)  
Telephone: 916-464-3291  
Unregulated sites that impact groundwater or have the potential to impact groundwater.  
Date of Government Version: 04/01/04  
Date of Last EDR Contact: 07/06/04  
Database Release Frequency: Semi-Annually  
Date of Next Scheduled EDR Contact: 10/04/04

SLIC REG 6L: SLIC Sites  
Source: California Regional Water Quality Control Board, Lahontan Region  
Telephone: 530-542-5574  
Date of Government Version: 09/07/04  
Date of Last EDR Contact: 09/07/04  
Database Release Frequency: Varies  
Date of Next Scheduled EDR Contact: 12/06/04

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: 04/01/04  
Date of Last EDR Contact: 07/06/04  
Database Release Frequency: Semi-Annually  
Date of Next Scheduled EDR Contact: 10/04/04

SLIC REG 7: SLIC List  
Source: California Regional Quality Control Board, Colorado River Basin Region  
Telephone: 760-346-7491  
Date of Government Version: 08/25/04  
Date of Last EDR Contact: 08/23/04  
Database Release Frequency: Varies  
Date of Next Scheduled EDR Contact: 11/22/04

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing  
Source: California Region Water Quality Control Board Santa Ana Region (8)  
Telephone: 909-752-3298  
Date of Government Version: 07/01/04  
Date of Last EDR Contact: 07/09/04  
Database Release Frequency: Semi-Annually  
Date of Next Scheduled EDR Contact: 10/04/04
SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Date of Government Version: 09/10/04 Date of Last EDR Contact: 08/30/04
Database Release Frequency: Annually Date of Next Scheduled EDR Contact: 11/29/04

EDR PROPRIETARY HISTORICAL 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.

Disclaimer Provided by Real Property Scan, Inc.

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.

BROWNFIELDS DATABASES

VCP: Voluntary Cleanup Program Properties
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC’s costs.

US BROWNFIELDS: A Listing of Brownfields Sites
Source: Environmental Protection Agency
Telephone: 202-566-2777
Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA’s Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA’s Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become BCRFL cooperative agreement recipients when they enter into BCRFL cooperative agreements with the U.S. EPA. EPA selects BCRFL cooperative agreement recipients based on a proposal and application process. BCRFL cooperative agreement recipients must use EPA funds provided through BCRFL cooperative agreement for specified brownfields-related cleanup activities.

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

Electric Power Transmission Line Data
Source: PennWell Corporation
Telephone: (800) 823-6277
This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

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

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association’s annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics’ primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics’ primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 from the U.S. Fish and Wildlife Service.

STREET AND ADDRESS INFORMATION
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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.
GROUNDWATER FLOW DIRECTION INFORMATION
Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

TOPOGRAPHIC INFORMATION
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY
USGS Topographic Map: 37122-G4 SAN FRANCISCO NORTH, CA
General Topographic Gradient: General NE
Source: USGS 7.5 min quad index

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES

Source: Topography has been determined from the USGS 7.5’ Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.
HYDROLOGIC INFORMATION
Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

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

FEMA FLOOD ZONE
Target Property County: MARIN, CA
Flood Plain Panel at Target Property: 0601820001C
Additional Panels in search area:
- 0601730465A
- 0601730444A
- 0604290001B
- 0604300035A
- 0601730525A
- 0601730482A

NATIONAL WETLAND INVENTORY
NWI Quad at Target Property: 0601730444A
Additional Panels in search area:
- 0601730465A
- 0601730444A
- 0604290001B
- 0604300035A
- 0601730525A
- 0601730482A

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

Site-Specific Hydrogeological Data*:
Search Radius: 1.25 miles
Status: Not found

AQUIFLOW®
Search Radius: 1.000 Mile.

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

<table>
<thead>
<tr>
<th>MAP ID</th>
<th>LOCATION FROM TP</th>
<th>GENERAL DIRECTION GROUNDWATER FLOW</th>
</tr>
</thead>
<tbody>
<tr>
<td>A2</td>
<td>1/2 - 1 Mile ESE</td>
<td>NE</td>
</tr>
<tr>
<td>A3</td>
<td>1/2 - 1 Mile ESE</td>
<td>NE</td>
</tr>
<tr>
<td>A4</td>
<td>1/2 - 1 Mile ESE</td>
<td>NNE</td>
</tr>
<tr>
<td>5</td>
<td>1/2 - 1 Mile ESE</td>
<td>NE</td>
</tr>
</tbody>
</table>

For additional site information, refer to Physical Setting Source Map Findings.

* ©1996 Site-specific hydrogeological data gathered by CERCLIS Alerts, Inc. Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.
**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**

<table>
<thead>
<tr>
<th>Era</th>
<th>Cenozoic</th>
<th>Category: Stratified Sequence</th>
</tr>
</thead>
<tbody>
<tr>
<td>System:</td>
<td>Tertiary</td>
<td></td>
</tr>
<tr>
<td>Series:</td>
<td>Pliocene</td>
<td></td>
</tr>
<tr>
<td>Code:</td>
<td>Tp</td>
<td>(decoded above as Era, System &amp; Series)</td>
</tr>
</tbody>
</table>


**DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY**

The U.S. Department of Agriculture’s (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

**Soil Component Name:** URBAN LAND  
**Soil Surface Texture:** variable  
**Hydrologic Group:** Not reported  
**Soil Drainage Class:** Not reported  
**Hydric Status:** Soil does not meet the requirements for a hydric soil.

**Corrosion Potential - Uncoated Steel:** Not Reported  
**Depth to Bedrock Min:** > 10 inches  
**Depth to Bedrock Max:** > 10 inches

---

### Soil Layer Information

<table>
<thead>
<tr>
<th>Layer</th>
<th>Upper</th>
<th>Lower</th>
<th>Soil Texture Class</th>
<th>AASHTO Group</th>
<th>Unified Soil</th>
<th>Permeability Rate (in/hr)</th>
<th>Soil Reaction (pH)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0 inches</td>
<td>6 inches</td>
<td>variable</td>
<td>Not reported</td>
<td>Not reported</td>
<td>Max: 0.00</td>
<td>Max: 0.00</td>
</tr>
</tbody>
</table>
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: clay
clay loam
loam

Surficial Soil Types: clay
clay loam
loam

Shallow Soil Types: No Other Soil Types

Deeper Soil Types: clay
weathered bedrock

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.

WELL SEARCH DISTANCE INFORMATION

<table>
<thead>
<tr>
<th>DATABASE</th>
<th>SEARCH DISTANCE (miles)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Federal USGS</td>
<td>1.000</td>
</tr>
<tr>
<td>Federal FRDS PWS</td>
<td>Nearest PWS within 1 mile</td>
</tr>
<tr>
<td>State Database</td>
<td>1.000</td>
</tr>
</tbody>
</table>

FEDERAL USGS WELL INFORMATION

<table>
<thead>
<tr>
<th>MAP ID</th>
<th>WELL ID</th>
<th>LOCATION FROM TP</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>No Wells Found</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<table>
<thead>
<tr>
<th>MAP ID</th>
<th>WELL ID</th>
<th>LOCATION FROM TP</th>
</tr>
</thead>
<tbody>
<tr>
<td>A1</td>
<td>CA2100508</td>
<td>1/2 - 1 Mile ESE</td>
</tr>
</tbody>
</table>

Note: PWS System location is not always the same as well location.
## STATE DATABASE WELL INFORMATION

<table>
<thead>
<tr>
<th>MAP ID</th>
<th>WELL ID</th>
<th>LOCATION FROM TP</th>
</tr>
</thead>
<tbody>
<tr>
<td>No Wells Found</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY**
Map ID Direction Distance Elevation Database EDR ID Number
A1 ESE 1/2 - 1 Mile Lower FRDS PWS CA2100508

PWS ID: CA2100508 PWS Status: Not Reported
Date Initiated: Not Reported Date Deactivated: Not Reported
PWS Name: MUIR BEACH COMMUNITY MUIR BEACH, CA 94965

Average Water Depth: Not Reported
Deep Water Depth: 8
Shallow Water Depth: 4
Groundwater Flow: NE
Site ID: 21-0320
A2 ESE 1/2 - 1 Mile Lower CA2100508

Facility Latitude: 37 51 33 Facility Longitude: 122 29 03
City Served: Not Reported Population: 350
Treatment Class: Untreated

Yes Violations information not reported.

ENFORCEMENT INFORMATION:

System Name: MUIR BEACH COMMUNITY
Violation Type: Initial Tap Sampling for Pb and Cu
Contaminant: LEAD & COPPER RULE
Compliance Period: 1993-07-01 - 2003-12-31 Analytical Value: 0
Violation ID: 9SV0001 Enforcement ID: 03999999
Enforcement Date: 2003-12-31 Enf. Action: Fed Compliance Achieved

System Name: MUIR BEACH COMMUNITY
Violation Type: Initial Tap Sampling for Pb and Cu
Contaminant: LEAD & COPPER RULE
Compliance Period: 1993-07-01 - 2015-12-31 Analytical Value: 0
Violation ID: 9SV0001 Enforcement ID: Not Reported
Enforcement Date: Not Reported Enf. Action: Not Reported

System Name: MUIR BEACH COMMUNITY
Violation Type: Initial Tap Sampling for Pb and Cu
Contaminant: LEAD & COPPER RULE
Compliance Period: 1993-07-01 - 2015-12-31 Analytical Value: 0
Violation ID: 9SV0001 Enforcement ID: Not Reported
Enforcement Date: Not Reported Enf. Action: Not Reported

A2 ESE 1/2 - 1 Mile Lower AQUIFLOW 39212

Site ID: 21-0320
Groundwater Flow: NE
Shallow Water Depth: 4
Deep Water Depth: 8
Average Water Depth: Not Reported
Date: 03/23/1998
<table>
<thead>
<tr>
<th>Map ID</th>
<th>Direction</th>
<th>Distance</th>
<th>Elevation</th>
<th>Database</th>
<th>EDR ID Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>A3 ESE</td>
<td>1/2 - 1 Mile</td>
<td>Lower</td>
<td></td>
<td></td>
<td>AQUIFLOW 39269</td>
</tr>
<tr>
<td>Site ID:</td>
<td>21-0244</td>
<td>Groundwater Flow:</td>
<td>NE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shallow Water Depth:</td>
<td>3.24</td>
<td>Deep Water Depth:</td>
<td>5.08</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Average Water Depth:</td>
<td>Not Reported</td>
<td>Date:</td>
<td>12/17/1998</td>
<td></td>
<td></td>
</tr>
<tr>
<td>A4 ESE</td>
<td>1/2 - 1 Mile</td>
<td>Lower</td>
<td></td>
<td></td>
<td>AQUIFLOW 39082</td>
</tr>
<tr>
<td>Site ID:</td>
<td>21-0020</td>
<td>Groundwater Flow:</td>
<td>NNE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shallow Water Depth:</td>
<td>2.83</td>
<td>Deep Water Depth:</td>
<td>10.72</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Average Water Depth:</td>
<td>Not Reported</td>
<td>Date:</td>
<td>06/12/1998</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5 ESE</td>
<td>1/2 - 1 Mile</td>
<td>Lower</td>
<td></td>
<td></td>
<td>AQUIFLOW 39214</td>
</tr>
<tr>
<td>Site ID:</td>
<td>21-0319</td>
<td>Groundwater Flow:</td>
<td>NE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shallow Water Depth:</td>
<td>Not Reported</td>
<td>Deep Water Depth:</td>
<td>Not Reported</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Average Water Depth:</td>
<td>8</td>
<td>Date:</td>
<td>12/05/1997</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Federal EPA Radon Zone for MARIN County: 3
Note: Zone 1 indoor average level > 4 pCi/L.
Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for MARIN COUNTY, CA

Number of sites tested: 52

<table>
<thead>
<tr>
<th>Area</th>
<th>Average Activity</th>
<th>% &lt;4 pCi/L</th>
<th>% 4-20 pCi/L</th>
<th>% &gt;20 pCi/L</th>
</tr>
</thead>
<tbody>
<tr>
<td>Living Area - 1st Floor</td>
<td>0.800 pCi/L</td>
<td>96%</td>
<td>4%</td>
<td>0%</td>
</tr>
<tr>
<td>Living Area - 2nd Floor</td>
<td>Not Reported</td>
<td>Not Reported</td>
<td>Not Reported</td>
<td>Not Reported</td>
</tr>
<tr>
<td>Basement</td>
<td>0.617 pCi/L</td>
<td>100%</td>
<td>0%</td>
<td>0%</td>
</tr>
</tbody>
</table>
TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002. 7.5-Minute DEMs correspond to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW 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

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services
The U.S. Department of Agriculture’s (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

ADDITIONAL ENVIRONMENTAL RECORD SOURCES

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.
STATE RECORDS

California Drinking Water Quality Database
Source: Department of Health Services
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

California Oil and Gas Well Locations for District 2, 3, 5 and 6
Source: Department of Conservation
Telephone: 916-323-1779

RADON

State Database: CA Radon
Source: Department of Health Services
Telephone: 916-324-2208
Radon Database for California

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR’s Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California’s Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.
APPENDIX C

SANBORN DOCUMENTATION
Based on client-supplied information, fire insurance maps for the following years were identified:

- 1909 - 1 Map
- 1919 - 2 Maps
- 1945 - 2 Maps
- 1955 - 2 Maps

Limited Permission to Photocopy

Total Maps: 7
Thank you for your interest in electronic Sanborn Map images. The following are guidelines for accessing the images and for transferring them to your system. If you have any questions about the use of electronic Sanborn Map images, contact your EDR Account Executive at 1-800-352-0050.

Organization of Electronic Sanborn Image File
- First Page: Sanborn Map Report, listing years of coverage
- Second Page: Electronic Sanborn Map Images USER'S GUIDE
- Third Page: Oldest Sanborn Map Image
- Last Page: Most recent Sanborn Map Image

Navigating the Electronic Sanborn Image File
- Open file on screen.
- Identify TP (Target Property) on the most recent map.
- Find TP on older printed images.
- Using Acrobat, zoom to 250% in order to view more clearly.
  - 200-250% is the approximate equivalent scale of hardcopy Sanborn Maps.
- Zooming in on an image:
  - On the menu bar, click "View" and then zoom.
  - Use the magnifying tool and drag a box around the TP area.

Printing a Sanborn Map from the Electronic File
- EDR recommends printing all images at 300 dpi (300 dpi prints faster than 600 dpi).
- To print only the TP area, cut and paste the area from Adobe Acrobat to your word processor.

Acrobat Version 4
- Go to the Menu bar
- Press and hold the "T" button
- Choose the Graphics Select Tool
- Draw a box around the area selected
- Go to "Menu"
- Highlight "Edit"
- Highlight "Copy"
- Go to a word processor such as Microsoft Word, paste and print.

Acrobat Version 5
- Go to the Menu bar
- Click the "Graphics Select Tool"
- Draw a box around the area selected
- Go to "Menu"
- Highlight "Edit"
- Highlight "Copy"
- Go to a word processor such as Microsoft Word, paste and print.

Important Information about Email Delivery of Electronic
- Images are grouped into one file, up to 2MB.
- In cases where in excess of 6-7 map years are available, the file size typically exceeds 2MB. In these cases, you will receive multiple files, labeled as 1 of 3, 2 of 3, etc. including all available map years.
- Due to file size limitations, certain ISPs, including AOL, may occasionally delay or decline to deliver files. Please contact your ISP to identify their specific file size limitations.
APPENDIX E

EXCERPTS FROM
PREVIOUS ENVIRONMENTAL REPORTS