ALAMEDA COUNTY
**HEALTH CARE SERVICES**
AGENCY
COLLEEN CHAWA, Director

DEPARTMENT OF ENVIRONMENTAL HEALTH
LOCAL OVERSIGHT PROGRAM (LOP)
For Hazardous Materials Releases
1131 HARBOR BAY PARKWAY
ALAMEDA, CA 94502
(510) 567-6700
FAX (510) 337-9335

April 30, 2018

BRE Properties, Inc.
525 Market Street, 4th Floor
San Francisco, CA 94105

BRE Properties, Inc.
44 Montgomery, Floor 36
San Francisco, CA 94104-4602

SPK Industrial Portfolio LLC
c/o EOP-Industrial Portfolio, LLC
222 S. Riverside Plaza, Suite 200
Chicago, IL 60606

F.P. Lathrop
Goldsmith Lathrop
Address Unknown

FP and Marcia F. Lathrop, and Sandra Hyde
FP and Marcia F. Lathrop and Sandra Hyde Trust
Address Unknown

Spieker Properties LP
Address Unknown

Mr. Michael Park
75 Glen Alpine Road
Piedmont, CA 94611
(Sent via electronic mail to: mkparkmd@gmail.com)

Subject: Case Closure for Fuel Leak Case No. RO0000071 and Geotracker Global ID T0600102203, Goldsmith Lathrop, 5813-5815 Shellmound St, Emeryville, CA 94608

Dear Ladies and Gentleman:

This letter transmits the enclosed Remedial Action Completion Certificate and Case Closure Summary for the subject leaking underground fuel tank case. These documents confirm the completion of the investigation and cleanup of the reported release at the subject site. This Remedial Action Completion Certificate and the case closure summary can also be viewed on the State Water Resources Control Board's GeoTracker website (http://geotracker.waterboards.ca.gov) and the Alameda County Environmental Health website (http://www.acgov.org/aceh/index.htm).

This site is closed with residual contamination that limit future land use to the current commercial land use as a commercial facility. Land use restrictions are described in the attached Case Closure Summary.

If you have any questions, please call Mark Detterman at (510) 567-6876. Thank you.

Sincerely,

Dilan Roe, P.E.
Chief, Land Water Division

Enclosures:
1. Remedial Action Completion Certification
2. Case Closure Summary

cc w/enc.: Jim Gribi, Gribi Associates, 1090 Adams Street, Suite K, Benicia, CA 94510, (Sent via electronic mail to: jgribi@gribiassociates.com)

City of Emeryville, Public Works Department, 1333 Park Avenue, Emeryville CA 94608 (*Sent via E-mail to:* mroberts@emeryville.org)

Dilan Roe, ACDEH, (Sent via electronic mail to: dilan.roe@acgov.org)
Paresh Khatri, ACDEH; (Sent via electronic mail to: paresh.khatri@acgov.org)
Mark Detterman, ACDEH, (Sent via electronic mail to: mark.detterman@acgov.org)
Electronic File; GeoTracker

ALAMEDA COUNTY
**HEALTH CARE SERVICES**
AGENCY

COLLEEN CHAWLA, Director

DEPARTMENT OF ENVIRONMENTAL HEALTH
LOCAL OVERSIGHT PROGRAM (LOP)
For Hazardous Materials Releases
1131 HARBOR BAY PARKWAY, SUITE 250
ALAMEDA, CA 94502
(510) 567-6700
FAX (510) 337-9335

**REMEDIAL ACTION COMPLETION CERTIFICATION**

April 30, 2018

BRE Properties, Inc.
525 Market Street, 4th Floor
San Francisco, CA 94105

BRE Properties, Inc.
44 Montgomery, Floor 36
San Francisco, CA 94104-4602

SPK Industrial Portfolio LLC
c/o EOP-Industrial Portfolio, LLC
222 S. Riverside Plaza, Suite 200
Chicago, IL 60606

F.P. Lathrop
Goldsmith Lathrop
Address Unknown

FP and Marcia F. Lathrop, and Sandra Hyde
FP and Marcia F. Lathrop and Sandra Hyde Trust
Address Unknown

Spieker Properties LP
Address Unknown

Mr. Michael Park
75 Glen Alpine Road
Piedmont, CA 94611
(Sent via electronic mail to: mkparkmd@gmail.com)

Subject: Case Closure for Fuel Leak Case RO0000071 and Geotracker Global ID T0600102203, Goldsmith Lathrop, 5813-5815 Shellmound St, Emeryville, CA 94608

Dear Ladies and Gentleman:

This letter confirms the completion of a site investigation and remedial action for the underground storage tank formerly located at the above-described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former underground storage tank(s) are greatly appreciated.

Based on information in the above-referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, this agency finds that the site investigation and corrective action carried out at your underground storage tank(s) site is in compliance with the requirements of subdivisions (a) and (b) of Section 25296.10 of the Health and Safety Code and with corrective action regulations adopted pursuant to Section 25299.3 of the Health and Safety Code and that no further action related to the petroleum release(s) at the site is required.

Please be aware that claims for reimbursement of corrective action costs submitted to the Underground Storage Tank Cleanup Fund more than 365 days after the date of this letter or issuance or activation of the Fund's Letter of Commitment, whichever occurs later, will not be reimbursed unless one of the following exceptions applies:

- Claims are submitted pursuant to Section 25299.57, subdivision (k) (reopened UST case); or
- Submission within the timeframe was beyond the claimant's reasonable control, ongoing work is required for closure that will result in the submission of claims beyond that time period, or that under the circumstances of the case, it would be unreasonable or inequitable to impose the 365-day time period.

This notice is issued pursuant to subdivision (g) of Section 25296.10 of the Health and Safety Code. Please contact our office if you have any questions regarding this matter.

Sincerely,

Ronald Browder
Director

Leaking Underground Storage Tank (LUST) Cleanup Site
Case Closure Summary Form
Goldsmith Lathrop (T0600102203; RO0000071)

## 1. CASE INFORMATION

### A. Facility/Site Address (Case Name & Address)

| Project Name | Address |
|---|---|
| Goldsmith Lathrop | 5813-5815 Shellmound St, Emeryville, CA 94608 |

### B. Case Identification Numbers

| Cleanup Oversight Agencies | Case/ID No |
|---|---|
| Alameda County Local Oversight Program (LOP) - Lead Agency | RO0000071 |
| San Francisco Bay Regional Water Quality Control Board (Region 2) | N/A |
| State Water Resources Control Board GeoTracker Global ID | T0600102203 |

### C. Lead Agency Information

| Agency Name: | Agency Address: | Agency Phone: |
|---|---|---|
| Alameda County Department of Environmental Health (ACDEH) | 1131 Harbor Bay Parkway, Alameda, CA 94502-6577 | (510) 567-6700 |
| Case Worker: | LOP Supervisor: | Land Water Division Chief: |
| Mark Detterman, PG 4799, CEG 1788 | Paresh Khatri | Dilan Roe, PE C73703 |

### D. Responsible Party Information

| Responsible Party(ies): | Address: |
|---|---|
| FP Lathrop, c/o Goldsmith Lathrop | 2000 Powell St, Emeryville, CA 94608 |
| FP and Marcia F. Lathrop, and Sandra Hyde Trust c/o FP and Marcia Lathrop and Sandra Hyde | 2000 Powell St, Emeryville, CA 94608 |
| Spieker Properties LP | 1255 Treat Blvd, Ste 150, Walnut Creek, CA 94597 |
| BRE Properties, Inc | 525 Market Street, 4th Floor, San Francisco, CA 94105 |
| BRE Properties, Inc | 44 Montgomery, Floor 36, San Francisco, CA 94104 |
| SPK Industrial Portfolio LLC c/o EOP Industrial Portfolio LLC | 222 S. Riverside Plaza, Suite 200, Chicago, IL 60606 |
| Michael Park | 75 Glen Alpine Road, Piedmont, CA 94611 |

## 2. PROPERTY INFORMATION

### A. Assessor Parcel Numbers (APNs)

| | |
|---|---|
| Current | 49-1493-2-3 |
| Historic | N/A |

### B. Alternate Addresses

| |
|---|
| N/A |

### C. Identified Historic Land Use & Operations

| Type | Description |
|---|---|
| Various commercial uses | The site is located on fill material in the historic Bay margin area in Emeryville. Companies associated with fill generation in the vicinity of the site include Paraffine Companies, Inc (1884 to 1920), Pabco (1920 to 1957), and Fireboard Corporation (1957 to 1968).<br><br>Subsequent to filling, land use at the site has been industrial and commercial. Known land use from 1972 to present has included a construction yard and office for FP Lathrop Construction Company, a Good Guys retail facility, and a sales office by Sherwin Williams Paints. |

### D. Environmental Cases Associated with Property

| Case Type | Lead Oversight Agency | Site ID (GeoTracker ID/LOP Case No.) | Potential Contaminants of Concern | Status (Open/Closed) |
|---|---|---|---|---|
| LUST[1] | ACDEH | T0600102203; RO0000071 | TPH-g, BTEX, MTBE, Naphthalene | 1989/2018 |
| SCP | ACDEH | T0000011073; RO0003267 | VOCs, SVOCs, TPH, Naphthalene | 2018/Present |
| Other[2] | DTSC | N/A | N/A | N/A |
| Other[3] | EPA | N/A | N/A | N/A |
| Post-Closure[1] | N/A | N/A | N/A | N/A |

[1] Refer to the State Water Resources Control Board's GeoTracker database for case information: https://geotracker.waterboards.ca.gov

[2] Refer to the California Department of Toxics Substances Control Board's (DTSC) Envirostor database for case information: http://www.dtsc.ca.gov/sitecleanup/cleanup_sites_index.cfm

[3] Refer to the United States Environmental Protection Agency's (EPA) Site Specific National Cleanup Databases for case information: https://www.epa.gov/cleanups/site-specific-national-cleanup-databases

## 3. CASE SUMMARY

### A. Reason Case Opened

Fuel Leak Case No Case No. RO0000071 was opened by ACDEH in 1993 to investigate an unauthorized release from a gasoline underground storage tank (UST) that was removed from the site in 1989.

### B. Known UST Systems at the Site

| UST System Component | Size / Quantity | Material Stored | Status | URF Filing Date: |
|---|---|---|---|---|
| UST | 2,000-gallon | Gasoline | Removed | 10/26/1989 |

### C. Unauthorized Release Description

Fuel release from the gasoline UST system.

### D. Site Investigations

Investigation activities were conducted in 1994 to evaluate the extent of petroleum hydrocarbon contamination impacts to soil and groundwater from the gasoline UST release. The investigations included installation of five soil bores (SB-A through SB-E) and one groundwater monitoring well (C-2) in the vicinity and downgradient of the former tank pit for the collection of soil and groundwater samples to delineate the extent of the release and evaluate risk to human health and the environment. Additional soil bores (13, 14, HA8 through HA11) advanced as part of a separate investigation of subsurface contamination on the adjacent property provide additional data delineating the extent of the gasoline UST release at the site.

Additional subsurface investigations have also been conducted at the site from 1994 to present to delineate the extent of petroleum and non-petroleum contamination that has been identified at the site associated with historic fill material and contaminant migration from the adjacent property located at 5800 Christie Avenue. The investigations have included installation of additional soil bores, groundwater monitoring wells, and soil/sub-slab vapor monitoring points for the collection of soil, soil and soil vapor. In 2017 a separate Site Cleanup Program Case (RO0003267) was opened to bifurcate investigation of the contamination associated with the gasoline UST release investigated in 1994 from the petroleum and non-petroleum contamination identified at the site.

### E. Remediation

Other than removal of the UST, no remediation was conducted.

## 3. CASE SUMMARY (CONTINUED)

### F. Constituents Evaluated & Residual Contamination Remaining at Closure

| Material Stored/Dispensed in UST System | Analytes | Sampled, Residual | Media | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | S | GW | SW | SV | SS | IA | OA |
| **Engine Fuels**<br>☒ Gasoline Fuel (1, 2, 9, 10, 11, 12, 13, 14)<br>☐ Diesel Fuel (2, 9, 10)<br>☐ Jet Fuel (1, 2, 4, 9, 10)<br>**Heating Oils**<br>☐ Kerosene (2, 5, 9, 10)<br>☐ Residential Heating Oils (2, 3, 9, 10)<br>☐ Commercial & Industrial Heating Oils (1, 2, 3, 7, 9, 10, 15, 16)<br>**Other Oils**<br>☐ Waste (Used) Oil (1, 2, 3, 9, 10, 15, 16, 17, 18)<br>☐ Hydraulic Oil (8, 16, 17)<br>☐ Dielectric Oil (2, 3, 10, 16, 17)<br>☐ Unknown Oil (1, 2, 3, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18)<br>**Solvents**<br>☐ Hydrocarbon Solvents (2, 3, 6, 9, 10) | TPH-g[1] | Sampled | ☒ | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ |
| | | Residual | ☒ | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ |
| | TPH-d[2] | Sampled | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| | | Residual | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| | TPH-mo[3] (soil only) | Sampled | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| | | Residual | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| | TPH-jf[4] | Sampled | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| | | Residual | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| | TPH-k[5] | Sampled | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| | | Residual | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| | TPH-ss[6] | Sampled | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| | | Residual | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| | TPH-bo[7] | Sampled | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| | | Residual | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| | TPH- ho[8] | Sampled | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| | | Residual | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| | BTEX[9] | Sampled | ☒ | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ |
| | | Residual | ☒ | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ |
| | Naphthalene[10] | Sampled | ☐ | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ |
| | | Residual | ☐ | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ |
| | MTBE/TBA[11] | Sampled | ☐ | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ |
| | | Residual | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| | EDB/EDC[12] | Sampled | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| | | Residual | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| | Organic Lead[13] | Sampled | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| | | Residual | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| | Fuel Oxygenates[14] (DIPE, TAME, EtOH, ETBE) | Sampled | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| | | Residual | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| | VOCs[15] (full scan) | Sampled | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| | | Residual | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| | SVOCs[16] | Sampled | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| | | Residual | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| | PCBs[17] | Sampled | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| | | Residual | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| | Metals[18] (Cd, Cr, Pb, Ni, Zn) | Sampled | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| | | Residual | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |

S = Soil, GW = Groundwater, SW = Surface Water, SV = Soil Vapor, SS = Sub-Slab Vapor, IA = Indoor Air, OA = Outdoor Air

## 4. CLOSURE SUMMARY

### A. Low Threat Closure Policy (LTCP) Evaluation

This UST release case has been evaluated for closure consistent with the State Water Resource Control Board Low-Threat Underground Storage Tank Closure Policy (LTCP) for petroleum related contaminants. ACDEH has determined that the site meets all the LTCP General Criteria and the Media Specific Criteria for Groundwater.

The site does not meet the LTCP Media Specific Criteria for Vapor Intrusion and Outdoor Air due to shallow groundwater that limits a bioattenuation zone to less than 5 feet and precludes the collection of soil vapor data. However, petroleum volatile organic compounds, including naphthalene, in soil and groundwater samples in the vicinity of the former UST were non-detect or detected at trace concentrations and indicate that residual contamination from the gasoline UST release at the site does not pose a vapor intrusion risk at the site or downgradient of the site.

This site also does not meet the Direct Contact and Outdoor Air Media-Specific Criteria due to the lack of analysis in soil for naphthalene at the former gasoline UST location. However, the maximum concentration of TPHg documented in tank excavation spoils at the site was reported to be 23 milligrams per kilogram (mg/kg) in a four-way composite sample. The LUFT manual indicates that naphthalene is present at an average of 0.25% and a maximum of 0.36% in fresh gasoline product. Assuming a four-fold reduction due to compositing, the data indicates that naphthalene may be present at a concentration up to 0.29 mg/kg at the site, which is below the Table 1 criteria for a commercial land use and construction worker exposure. Additionally, under the current land use scenario the direct contact exposure pathways is incomplete as the site is covered with buildings and hardscape.

Refer to Attachments 4 through 7 for detailed information on the LTCP evaluation.

### B. Well Status (Groundwater)

| | |
|---|---|
| No. of Wells Installed: 4 | No. of Wells Lost: 0 |
| No. of Wells Destroyed: 0 | No. of Wells Retained: Four (Transferred to SCP Case No. RO0003267) |

### C. Vapor Probe Status

| | |
|---|---|
| No. of Vapor Probes (VP) Installed: 0 | No. of VPs Lost: 0 |
| No. of VPs Destroyed: 0 | No. of VPs Retained: 0 |

### D. Waste Removal Status

All investigation derived waste associated with the gasoline UST release was removed from the site.

### E. Public Comment

A 60 day public notification period was completed on February 9, 2014. Refer to Attachment 3 for case closure notification information.

## 5. ADMINISTRATIVE, INSTITUTIONAL & ENGINEERING CONTROLS

### A. Land Use at Time of Closure

At the time of closure the site was developed with a vacant building occupied and an associated parking lot. Shellmound Way borders the property to the north, Shellmound Street to the east, Powell Street to the south, and the property to the immediate west is commercial. Properties to the north, east, south, and west are all commercial, and the site is situated in a commercial district of Emeryville. There were no known plans to redevelop the site at time of closure. Refer to Attachment 1 for the current land use configuration.

### B. Administrative Controls

**Site Management Requirements:** Due to residual petroleum hydrocarbon subsurface contamination, the site has been closed with the following site management requirements. The site management requirements associated with this case are specific to petroleum hydrocarbon contamination related to historic releases from UST systems and do not address other site contamination that may be in the subsurface from historic land use at and in the vicinity of the site.

a. **Repair & Maintenance of Existing Site Improvements:** Any repair or maintenance activity of existing site improvements in areas of residual contamination requires planning and implementation of appropriate health and safety procedures prior to and during excavation activities. These activities include repair or maintenance of existing foundations, utility lines, hardscape, landscaping or other work occurring beneath the grade level of the existing finished surface.

   Each contractor shall be responsible for the safety of its employees and site visitors and must adhere to a site-specific health and safety plan prepared for the work in accordance with California Occupational Safety and Health Administration requirements and use properly trained personnel in accordance with California Code of Regulations, Title 29, Part 1910.120 Hazardous Waste Operations and Emergency Response (HAZWOPER) standards.

   Site management requirements associated with this case are specific to petroleum hydrocarbon contamination related to historic releases from UST systems and do not address other site contamination that may be in the subsurface from historic land use at and in the vicinity of the site.

b. **Modifications to Existing Site Improvements:** Prior to permitting of any proposed modifications to the existing site improvements that include modifications to the foundation, subsurface utilities and/or hardscape or subsurface work, the property owner and the local building and planning authority with permitting jurisdiction at the site must notify ACDEH as required by Government Code Section 65850.2.2. ACDEH will re-evaluate the site relative to the proposed modifications to assess risk to human health under the proposed changes.

c. **Site Redevelopment.** Prior to permitting of any proposed site redevelopment including a change in land use to residential, or other conservative land use, the property owner and the local building and planning authority with permitting jurisdiction at the site must notify ACDEH as required by Government Code Section 65850.2.2. ACDEH will re-evaluate the site relative to the proposed redevelopment to assess risk to human health under the proposed land use scenario from subsurface contamination associated all recognized environmental concerns at the site.

### C. Engineering Controls

Not Applicable

### D. Institutional Controls

Not Applicable

## 5. ADMINISTRATIVE, INSTITUTIONAL & ENGINEERING CONTROLS (CONTINUED)

### E. Environmental Due Diligence

ACDEH recommends that during the environmental due diligence process (initiated as part of activities including, but not limited to, property transactions, bank refinancing, and redevelopment) that the site and parcels in the vicinity of the site be evaluated for risk from and exposure to potential chemicals of concern identified at this site.

## 6. LOCAL AGENCY SIGNATURES

| | |
|---|---|
| Dilan Roe, PE, C73703 | Title: Chief, Land Water Division |
| Signature: Dilan Roe | Date: 4/30/2018 |
| Paresh Khatri | LOP Supervisor |
| Signature: | Date: 4/30/2018 |
| Mark Detterman, PG 4799, CEG 1788 | Title: Senior Hazardous Materials Specialist |
| Signature: | Date: 4/30/2018 |

This Case Closure Summary along with the Remedial Action Completion Certification provides documentation of the case closure. This closure approval is based upon the available information and with the provision that the information provided to this agency was accurate and representative of site conditions. Additional information on the case can be viewed in the online case file. Case files can be viewed over the Internet on the Alameda County Department of Environmental Health website (http://www.acgov.org/aceh/lop/ust.htm) or the State of California Water Resources Control Board GeoTracker website (http://geotracker.waterboards.ca.gov). Both databases should be reviewed to obtain a complete history.

## ATTACHMENTS

| No. | Description | No. of Pages |
|---|---|---|
| 1 | Site Vicinity and Plan Figures and Site Maps | 3 |
| 2 | Responsible Party Information | 12 |
| 3 | Case Closure Public Notification Information | 5 |
| 4 | Geotracker LTCP Evaluation Checklist | 2 |
| 5 | LTCP Media Specific Evaluation - Groundwater | 2 |
| 6 | LTCP Media Specific Evaluation - Vapor Intrusion | 2 |
| 7 | LTCP Media Specific Evaluation - Direct Contact | 1 |
| 8 | Figures with Sampling Locations | 2 |
| 9 | Boring Logs | 8 |
| 10 | Groundwater Data | 12 |
| 11 | Soil Data | 7 |
| 12 | Sensitive Receptor Data | 1 |

## ACRONYMS

| | |
|---|---|
| ACDEH | Alameda County Department of Environmental Health |
| APN | Assessor Parcel Number |
| bgs | below ground surface |
| BTEX | benzene, toluene, ethylbenzene, xylenes |
| EDB | ethylene dibromide or 1,2-dichloroethane (1,2-DCA) |
| EDC | ethylene dichloride |
| CEG | Certified Engineering Geologist |
| Cd | cadmium |
| Cr | chromium |
| c/o | care of |
| DIPE | di-isopropyl etherr |
| DTSC | California Department of Toxic Substances Control |
| EPA | Environmental Protection Agency |
| ETBE | Ethyl tert butyl ether |
| EtOC | ethanol |
| ft bgs | feet below ground surface |
| GW | groundwater |
| IA | indoor Air |
| ID | Identification |
| LOP | Local Oversight Program |
| LTCP | State Water Resources Control Board's Low Threat Closure Policy |
| LUST | Leaking Underground Storage Tank |
| MTBE/TBA | methyl tert butyl either/t-Butyl alcohol |
| Ni | nickel |
| NA | not analyzed |
| NR | not required |
| OA | outdoor air |
| Pb | lead |
| PCBs | polychlorinated biphenyls |
| PE | California Professional Engineer |
| PG | California Professional Geologist |
| S | soil |
| SCP | Site Cleanup Program |
| SS | sub-slab vapor |
| SV | soil vapor |
| SVOCs | semi volatile organic compounds |
| SW | surface water |
| TAME | tert amyl methyl ether |
| TPHbo | total petroleum hydrocarbons as bunker oil |
| TPHd | total petroleum hydrocarbons as diesel |
| TPHg | total petroleum hydrocarbons as gasoline |
| TPHho | total petroleum hydrocarbons as hydraulic oil |
| TPHjf | total petroleum hydrocarbons as jet fuel |
| TPHk | total petroleum hydrocarbons as kerosene |
| TPHmo | total petroleum hydrocarbons as motor oil |
| TPHss | total petroleum hydrocarbons as stoddard solvent |
| UST | Underground Storage Tank |
| VOCs | volatile organic compounds |
| Zn | zinc |
| mg/kg | milligrams per kilogram |
| µg/L | microgram per liter |
| µg/m3 | microgram per cubic meter |
| >, <, ≥ | greater than, less than, or greater than or equal to |

# ATTACHMENT 1


Base map: The Thomas Guide
San Francisco County
1999

0 1/4 1/2 Mile

Approximate scale

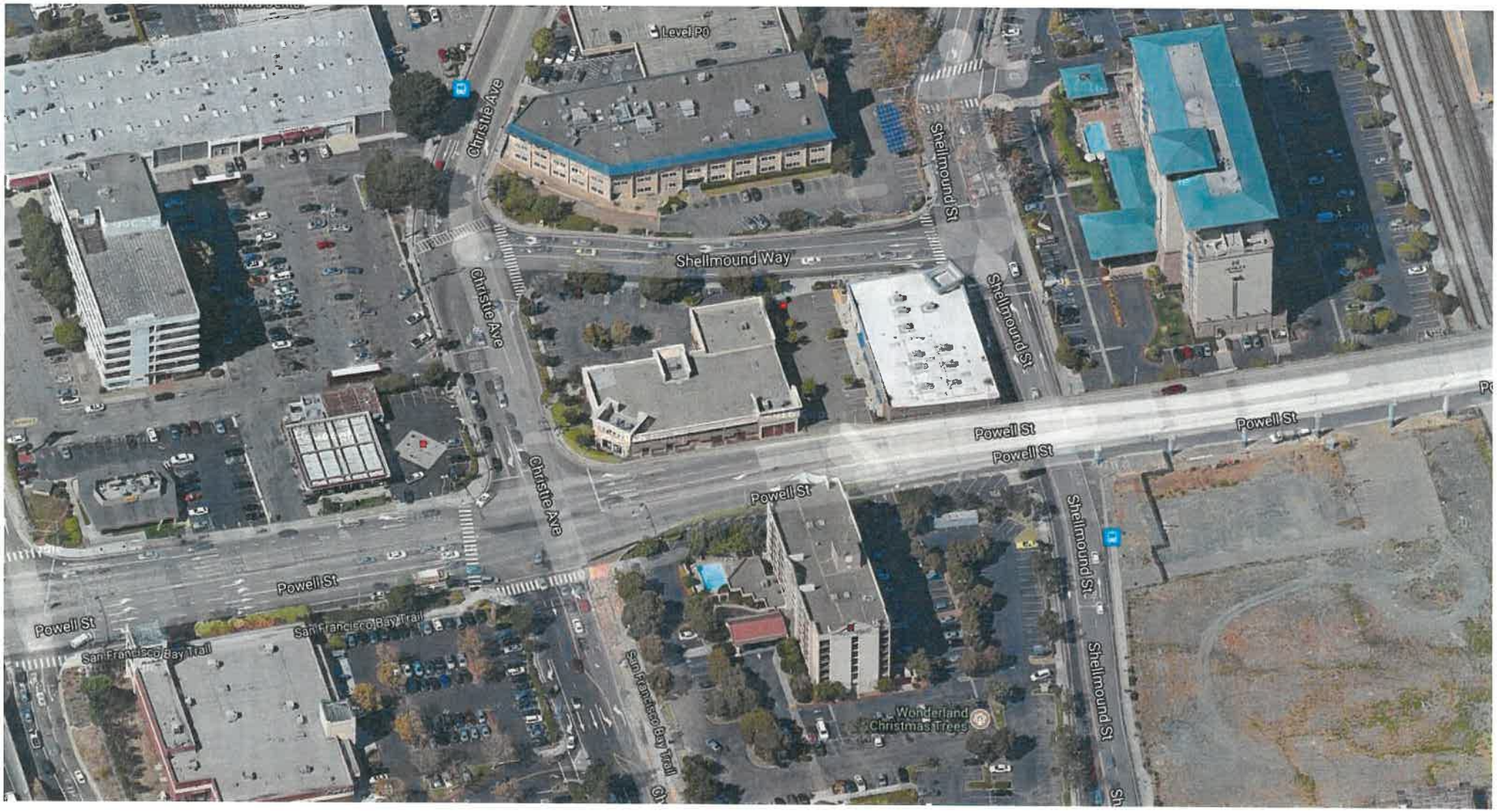
N

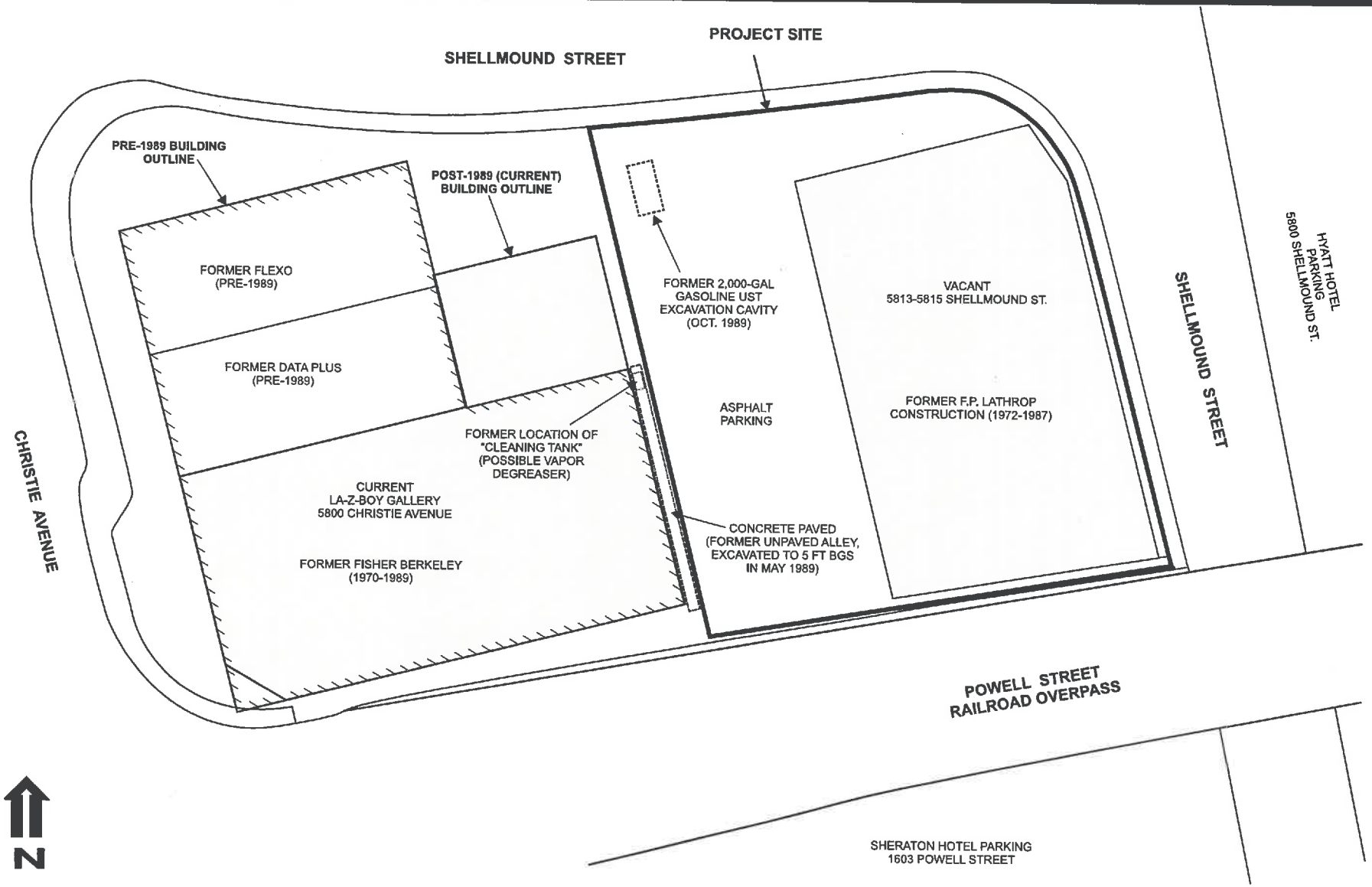
**5813-5815 SHELLMOUND WAY**
Emeryville, California

**SITE LOCATION MAP**

Treadwell&Rollo

| Date 06/12/09 | Project No. 4981.01 | Figure 1 |
|---|---|---|


Level P0
Christie Ave
Shellmound St
Shellmound Way
Christie Ave
Shellmound St
Powell St
Powell St
Powell St
Christie Ave
Powell St
Shellmound St
Powell St
Powell St
San Francisco Bay Trail
San Francisco Bay Trail
San Francisco Bay Trail
Wonderland Christmas Trees
Shellmound St




| | | | |
|---|---|---|---|
| DESIGNED BY: | CHECKED BY: JEG | **SITE PLAN** | DATE: 7/10/2017 FIGURE: 2 |
| DRAWN BY: JEG | SCALE: | 5613-5815 SHELLMOUND STREET EMERYVILLE, CALIFORNIA | GRIBI |
| PROJECT NO: | | | |

# ATTACHMENT 2

COUNTY OF ALAMEDA
# Assessor's Office
## Property Value System

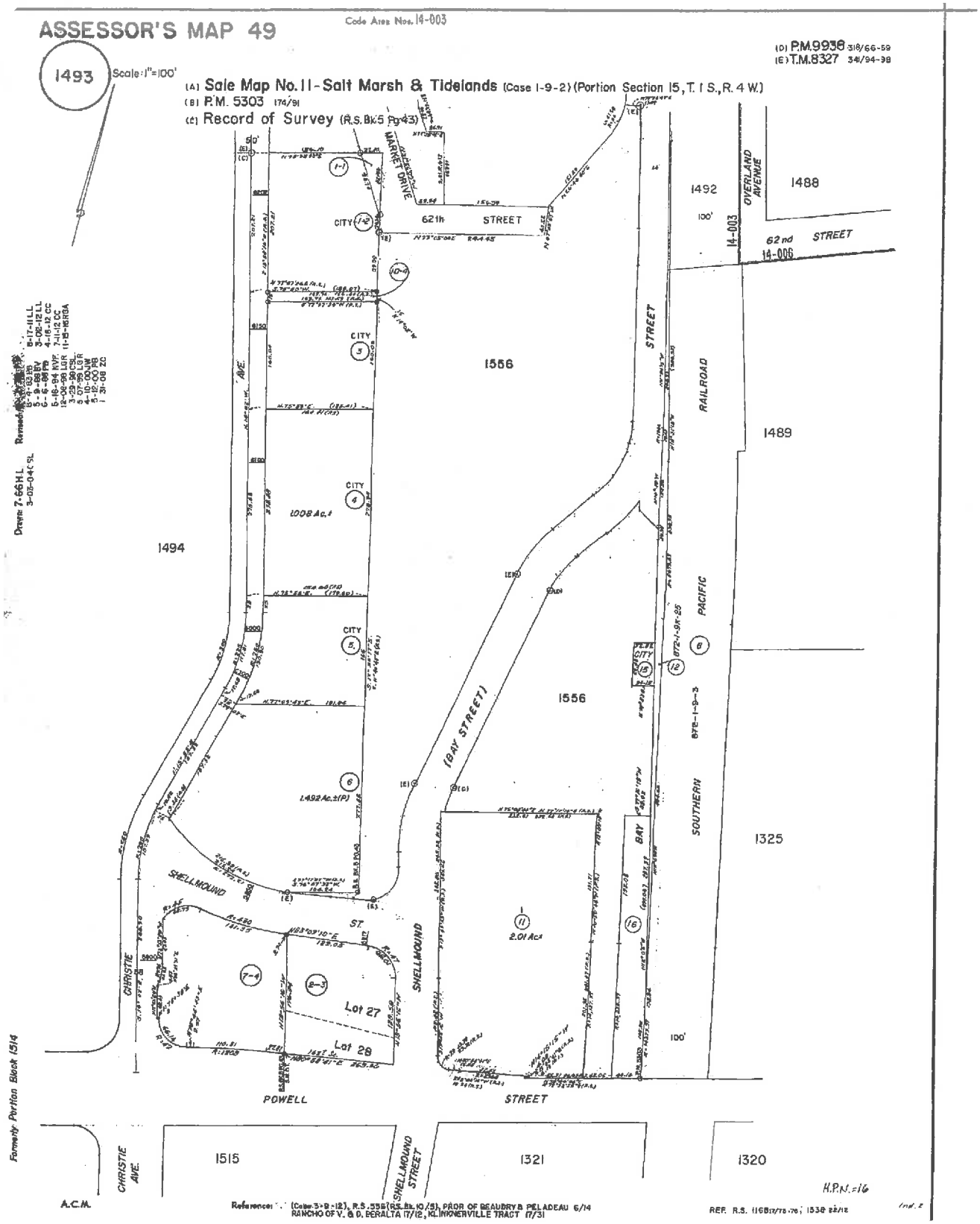
Help

New Query

History | Value | Transfer | Map | Glossary

Parcel Number:**49-1493-2-3** Inactive:**N** Lien Date:**01/01/2017** Owner:**PARK MICHAEL**
Property Address: **5811 SHELLMOUND ST, EMERYVILLE, CA 94608**

| Mailing Name | | Historical Mailing Address | Document Date | Document Number | Value From Trans Tax | Parcel Count | Use |
|---|---|---|---|---|---|---|---|
| PARK MICHAEL | List Owners | 75 GLEN ALPINE RD , PIEDMONT, CA 94611 | 07/27/2017 | 2017-164232 | $3,500,000 | 1 | 9400 |
| BRE PROPERTIES INC c/o ESSEX PROPERTIES TRUST, INC | List Owners | 925 E MEADOW DR , PALO ALTO, CA 94303-4233 | 04/01/2014 | TRAN-281661 | | 12 | 9400 |
| BRE PROPERTIES INC | List Owners | 44 MONTGOMERY FL 36, SAN FRANCISCO, CA 94104-4602 | 06/29/2005 | 2005-266595 | | 2 | 4200 |
| SPK INDUSTRIAL PORTFOLIO LLC c/o PROP TX DEPT (13682) | List Owners | PO BOX A-3879 , CHICAGO, IL 60690 | 03/01/2002 | TRAN-61627 | | 1 | 4200 |
| SPK INDUSTRIAL PORTFOLIO LLC | List Owners | 2180 SAND HILL RD , MENLO PARK, CA 94025-6929 | 07/02/2001 | TRAN-233896 | | 1 | 4200 |
| SPK INDUSTRIAL PORTFOLIO LLC c/o SARA R STEPPE | List Owners | 2180 SAND HILL RD , MENLO PARK, CA 94025-6929 | 06/27/2001 | 2001-225531 | | 1 | 4200 |
| SPIEKER PROPERTIES L.P. c/o TRUDE HURSH | List Owners | 1255 TREAT BLVD STE 150, WALNUT CREEK, CA 94597-7974 | 01/28/1997 | 1997-25064 | | 1 | 4200 |
| LATHROP F P & MARCIA F & HYDE SANDRA L TRS | List Owners | 2000 POWELL ST , EMERYVILLE, CA 94608-1804 | 07/14/1994 | 1994-251757 | | 1 | 4200 |
| LATHROP F P c/o GOLDSMITH & LATHROP | List Owners | 2000 POWELL ST , EMERYVILLE, CA 94608-1804 | 03/31/1971 | 1971-36243 | | 1 | 4200 |
| FIBREBOARD CORPORATION | List Owners | 5811 SHELLMOUND ST , EMERYVILLE, CA 94608-1913 | 03/01/1969 | TRAN-61626 | | 1 | 4200 |



ALAMEDA COUNTY
**HEALTH CARE SERVICES**
AGENCY
REBECCA GEBHART, Interim Director

DEPARTMENT OF ENVIRONMENTAL HEALTH
LOCAL OVERSIGHT PROGRAM (LOP)
For Hazardous Materials Releases
1131 HARBOR BAY PARKWAY
ALAMEDA, CA 94502
(510) 567-6700
FAX (510) 337-9335

November 30, 2017

BRE Properties, Inc.
525 Market Street, 4th Floor
San Francisco, CA 94105

BRE Properties, Inc.
44 Montgomery, Floor 36
San Francisco, CA 94104-4602

SPK Industrial Portfolio LLC
c/o EOP-Industrial Portfolio, LLC
222 S. Riverside Plaza, Suite 200
Chicago, IL 60606

F.P. Lathrop
Goldsmith Lathrop
Address Unknown

FP and Marcia F. Lathrop, and Sandra Hyde
FP and Marcia F. Lathrop and Sandra Hyde Trust
Address Unknown

Spieker Properties LP
Address Unknown

Subject: Notice of Responsibility; Fuel Leak Case No. RO0000071 and Geotracker Global ID T0600102203, Goldsmith Lathrop, 5813-5815 Shellmound St, Emeryville, CA 94608

Dear Ladies and Gentleman:

In an earlier Notice of Responsibility (NOR), BRE Properties Inc. and SPK Industrial Portfolio LLC (currently EOP-Industrial Portfolio, LLC) were notified that the referenced site had been placed in the Local Oversight Program and that they were named as a Responsible Party for the fuel leak case. In the attached updated NOR, the current property owner has been named an additional Responsible Party for the fuel leak case as defined under 23 C.C.R Sec. 2720. Please see Attachment A – Responsible Parties Data Sheet, which identifies all Responsible Parties and provides background on the unauthorized release and Responsible Party Identification.

Should you have any questions, please contact me at (510) 567--6876 or send me an electronic mail message at mark.detterman@acgov.org.

Sincerely,

Mark E. Detterman, P.G., C.E.G.
Senior Hazardous Materials Specialist

Enclosures: Attachment 1 – Responsible Party (ies) Legal Requirements / Obligations
Electronic Report Upload (ftp) Instructions

cc: Michael Park, 75 Glen Alpine Road, Piedmont, CA 94611; (Sent via electronic mail to: mkparkmd@gmail.com)

Dilan Roe, ACDEH, (Sent via electronic mail to: dilan.roe@acgov.org)
Paresh Khatri, ACDEH; (Sent via electronic mail to: paresh.khatri@acgov.org)
Mark Detterman, ACDEH, (Sent via electronic mail to: mark.detterman@acgov.org)
Electronic File; GeoTracker

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
REBECCA GEBHART, Interim Director

ENVIRONMENTAL HEALTH DEPARTMENT
OFFICE OF THE DIRECTOR
1131 HARBOR BAY PARKWAY
ALAMEDA, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

Certified Mail #:

November 30, 2017

## NOTICE OF RESPONSIBILITY

**Site Name & Address:**
GOLDSMITH LATHROP
5813 – 5815 SHELLMOUND STREET
EMERYVILLE, CA 94608

**Local ID:** RO0000071
**Related ID:** STID 5557
**RWQCB ID:** 01-2393
**Global ID:** T0600102203

**Responsible Party:**

SPK INDUSTRIAL PORTFOLIO LLC
C/O EOP-INDUSTRIAL PORTFOLIO, LLC
222 S. RIVERSIDE PLAZA, SUITE 200
CHICAGO, IL 60606

**Date First Reported:** 9/11/1989
**Substance:** 8006619 Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
**Funding for Oversight:** LOPS - LOP State Fund
**Multiple RPs?:** Yes

Pursuant to sections 25297.1 and 25297.15 of the Health and Safety Code, you are hereby notified that the above site has been placed in the Local Oversight Program and the individual(s) or entity(ies) shown above, or on the attached list, has (have) been identified as the party(ies) responsible for investigation and cleanup of the above site. Section 25297.15 further requires the primary or active Responsible Party to notify all current record owners of fee title before the local agency considers cleanup or site closure proposals or issues a closure letter. For purposes of implementing section 25297.15, this agency has identified SPK INDUSTRIAL PORTFOLIO LLC, C/O EOP-INDUSTRIAL PORTFOLIO, LLC as the primary or active Responsible Party. It is the responsibility of the primary or active Responsible Party to submit a letter to this agency, within 20 calendar days of receipt of this notice that identifies all current record owners of fee title. It is also the responsibility of the primary or active Responsible Party to certify to the local agency that the required notifications have been made at the time a cleanup or site closure proposal is made or before the local agency makes a determination that no further action is required. If property ownership changes in the future, you must notify this local agency within 20 calendar days from when you are informed of the change.

Any action or inaction by this local agency associated with corrective action, including responsible party identification, is subject to petition to the State Water Resources Control Board. Petitions must be filed within 30 days from the date of the action/inaction. To obtain petition procedures, please FAX your request to the State Water Board at (916) 341-5808 or telephone (916) 341-5752.

Pursuant to section 25296.10(c)(6) of the Health and Safety Code, a responsible party may request the designation of an administering agency when required to conduct corrective action. Please contact this office for further information about the designation process.

Please contact your caseworker MARK DETTERMAN at this office at (510) 567-5876 if you have questions regarding your site.

Ronald Browder Date: 12-01-2017

RONALD BROWDER, Director
Contract Project Director

Action: Update
Reason: ADD

Attachment A: Responsible Parties Data Sheet

cc: Cindy Davis, SWRCB (email: cindy.davis@waterboards.ca.gov) | Dilan Roe (email: dilan.roe@acgov.org), File

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
REBECCA GEBHART, Interim Director

ENVIRONMENTAL HEALTH DEPARTMENT
OFFICE OF THE DIRECTOR
1131 HARBOR BAY PARKWAY
ALAMEDA, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

Certified Mail #:

November 30, 2017

## NOTICE OF RESPONSIBILITY

**Site Name & Address:**
GOLDSMITH LATHROP
5813 – 5815 SHELLMOUND STREET
EMERYVILLE, CA 94608

**Local ID:** RO0000071
**Related ID:** STID 5557
**RWQCB ID:** 01-2393
**Global ID:** T0600102203

**Responsible Party:**

BRE PROPERTIES, INC
525 MARKET STREET, FL 4
SAN FRANCISCO, CA 94105

**Date First Reported:** 9/11/1989
**Substance:** 8006619 Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
**Funding for Oversight:** LOPS - LOP State Fund
**Multiple RPs?:** Yes

Pursuant to sections 25297.1 and 25297.15 of the Health and Safety Code, you are hereby notified that the above site has been placed in the Local Oversight Program and the individual(s) or entity(ies) shown above, or on the attached list, has (have) been identified as the party(ies) responsible for investigation and cleanup of the above site. Section 25297.15 further requires the primary or active Responsible Party to notify all current record owners of fee title before the local agency considers cleanup or site closure proposals or issues a closure letter. For purposes of implementing section 25297.15, this agency has identified BRE PROPERTIES, INC as the primary or active Responsible Party. It is the responsibility of the primary or active Responsible Party to submit a letter to this agency, within 20 calendar days of receipt of this notice that identifies all current record owners of fee title. It is also the responsibility of the primary or active Responsible Party to certify to the local agency that the required notifications have been made at the time a cleanup or site closure proposal is made or before the local agency makes a determination that no further action is required. If property ownership changes in the future, you must notify this local agency within 20 calendar days from when you are informed of the change.

Any action or inaction by this local agency associated with corrective action, including responsible party identification, is subject to petition to the State Water Resources Control Board. Petitions must be filed within 30 days from the date of the action/inaction. To obtain petition procedures, please FAX your request to the State Water Board at (916) 341-5808 or telephone (916) 341-5752.

Pursuant to section 25296.10(c)(6) of the Health and Safety Code, a responsible party may request the designation of an administering agency when required to conduct corrective action. Please contact this office for further information about the designation process.

Please contact your caseworker MARK DETTERMAN at this office at (510) 567-5876 if you have questions regarding your site.

Ronald Browder Date: 12-01-2017

RONALD BROWDER, Director
Contract Project Director

Action: Update
Reason: ADD

Attachment A: Responsible Parties Data Sheet

cc: Cindy Davis, SWRCB (email: cindy.davis@waterboards.ca.gov) | Dilan Roe (email: dilan.roe@acgov.org), File

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
REBECCA GEBHART, Interim Director

ENVIRONMENTAL HEALTH DEPARTMENT
OFFICE OF THE DIRECTOR
1131 HARBOR BAY PARKWAY
ALAMEDA, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

Certified Mail #:

November 30, 2017

## NOTICE OF RESPONSIBILITY

**Site Name & Address:**
**GOLDSMITH LATHROP**
**5813 – 5815 SHELLMOUND STREET**
**EMERYVILLE, CA 94608**

**Local ID:** RO0000071
**Related ID:** STID 5557
**RWQCB ID:** 01-2393
**Global ID:** T0600102203

**Responsible Party:**

**BRE PROPERTIES, INC**
**44 MONTGOMERY, FL 36**
**SAN FRANCISCO, CA 94104**

**Date First Reported:** 9/11/1989
**Substance:** • 8006619 Gasoline-Automotive (motor gasoline and additives), leaded & unleaded

**Funding for Oversight:** LOPS - LOP State Fund
**Multiple RPs?:** Yes

Pursuant to sections 25297.1 and 25297.15 of the Health and Safety Code, you are hereby notified that the above site has been placed in the Local Oversight Program and the individual(s) or entity(ies) shown above, or on the attached list, has (have) been identified as the party(ies) responsible for investigation and cleanup of the above site. Section 25297.15 further requires the primary or active Responsible Party to notify all current record owners of fee title before the local agency considers cleanup or site closure proposals or issues a closure letter. For purposes of implementing section 25297.15, this agency has identified BRE PROPERTIES, INC as the primary or active Responsible Party. It is the responsibility of the primary or active Responsible Party to submit a letter to this agency, within 20 calendar days of receipt of this notice that identifies all current record owners of fee title. It is also the responsibility of the primary or active Responsible Party to certify to the local agency that the required notifications have been made at the time a cleanup or site closure proposal is made or before the local agency makes a determination that no further action is required. If property ownership changes in the future, you must notify this local agency within 20 calendar days from when you are informed of the change.

Any action or inaction by this local agency associated with corrective action, including responsible party identification, is subject to petition to the State Water Resources Control Board. Petitions must be filed within 30 days from the date of the action/inaction. To obtain petition procedures, please FAX your request to the State Water Board at (916) 341-5808 or telephone (916) 341-5752.

Pursuant to section 25296.10(c)(6) of the Health and Safety Code, a responsible party may request the designation of an administering agency when required to conduct corrective action. Please contact this office for further information about the designation process.

Please contact your caseworker MARK DETTERMAN at this office at (510) 567-5876 if you have questions regarding your site.

Date: 12-01-2017

RONALD BROWDER, Director
Contract Project Director

Action: Update
Reason: ADD

Attachment A: Responsible Parties Data Sheet

cc: Cindy Davis, SWRCB (email: cindy.davis@waterboards.ca.gov) | Dilan Roe (email: dilan.roe@acgov.org), File

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
REBECCA GEBHART, Interim Director

ENVIRONMENTAL HEALTH DEPARTMENT
OFFICE OF THE DIRECTOR
1131 HARBOR BAY PARKWAY
ALAMEDA, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

Certified Mail #: 7014 2120 0000 5558 9962

November 30, 2017

## NOTICE OF RESPONSIBILITY

**Site Name & Address:**
**GOLDSMITH LATHROP**
**5813 – 5815 SHELLMOUND STREET**
**EMERYVILLE, CA 94608**

**Local ID:** RO0000071
**Related ID:** STID 5557
**RWQCB ID:** 01-2393
**Global ID:** T0600102203

**Responsible Party:**

**MICHAEL PARK**
**75 GLEN ALPINE ROAD**
**PIEDMONT, CA 94611**

**Date First Reported:** 9/11/1989
**Substance:** • 8006619 Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
**Funding for Oversight:** LOPS - LOP State Fund
**Multiple RPs?:** Yes

Pursuant to sections 25297.1 and 25297.15 of the Health and Safety Code, you are hereby notified that the above site has been placed in the Local Oversight Program and the individual(s) or entity(ies) shown above, or on the attached list, has (have) been identified as the party(ies) responsible for investigation and cleanup of the above site. Section 25297.15 further requires the primary or active Responsible Party to notify all current record owners of fee title before the local agency considers cleanup or site closure proposals or issues a closure letter. For purposes of implementing section 25297.15, this agency has identified MICHAEL PARK as the primary or active Responsible Party. It is the responsibility of the primary or active Responsible Party to submit a letter to this agency, within 20 calendar days of receipt of this notice that identifies all current record owners of fee title. It is also the responsibility of the primary or active Responsible Party to certify to the local agency that the required notifications have been made at the time a cleanup or site closure proposal is made or before the local agency makes a determination that no further action is required. If property ownership changes in the future, you must notify this local agency within 20 calendar days from when you are informed of the change.

Any action or inaction by this local agency associated with corrective action, including responsible party identification, is subject to petition to the State Water Resources Control Board. Petitions must be filed within 30 days from the date of the action/inaction. To obtain petition procedures, please FAX your request to the State Water Board at (916) 341-5808 or telephone (916) 341-5752.

Pursuant to section 25296.10(c)(6) of the Health and Safety Code, a responsible party may request the designation of an administering agency when required to conduct corrective action. Please contact this office for further information about the designation process.

Please contact your caseworker MARK DETTERMAN at this office at (510) 567-5876 if you have questions regarding your site.

Ronald Browder Date: 12-01-2017

RONALD BROWDER, Director
Contract Project Director

Action: Update
Reason: ADD

Attachment A: Responsible Parties Data Sheet

cc: Cindy Davis, SWRCB (email: cindy.davis@waterboards.ca.gov) | Dilan Roe (email: dilan.roe@acgov.org), File

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
REBECCA GEBHART, Interim Director

ENVIRONMENTAL HEALTH DEPARTMENT
OFFICE OF THE DIRECTOR
1131 HARBOR BAY PARKWAY
ALAMEDA, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

Certified Mail #:

December 1, 2017

## NOTICE OF RESPONSIBILITY

**Site Name & Address:**
GOLDSMITH LATHROP
5813 – 5815 SHELLMOUND STREET
EMERYVILLE, CA 94608

**Local ID:** RO0000071
**Related ID:** STID 5557
**RWQCB ID:** 01-2393
**Global ID:** T0600102203

**Responsible Party:**

SPIEKER PROPERTIES, LP
ADDRESS UNKNOWN

**Date First Reported:** 9/11/1989
**Substance:** • 8006619 Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
**Funding for Oversight:** LOPS - LOP State Fund
**Multiple RPs?:** Yes

Pursuant to sections 25297.1 and 25297.15 of the Health and Safety Code, you are hereby notified that the above site has been placed in the Local Oversight Program and the individual(s) or entity(ies) shown above, or on the attached list, has (have) been identified as the party(ies) responsible for investigation and cleanup of the above site. Section 25297.15 further requires the primary or active Responsible Party to notify all current record owners of fee title before the local agency considers cleanup or site closure proposals or issues a closure letter. For purposes of implementing section 25297.15, this agency has identified SPIEKER PROPERTIES, LP as the primary or active Responsible Party. It is the responsibility of the primary or active Responsible Party to submit a letter to this agency, within 20 calendar days of receipt of this notice that identifies all current record owners of fee title. It is also the responsibility of the primary or active Responsible Party to certify to the local agency that the required notifications have been made at the time a cleanup or site closure proposal is made or before the local agency makes a determination that no further action is required. If property ownership changes in the future, you must notify this local agency within 20 calendar days from when you are informed of the change.

Any action or inaction by this local agency associated with corrective action, including responsible party identification, is subject to petition to the State Water Resources Control Board. Petitions must be filed within 30 days from the date of the action/inaction. To obtain petition procedures, please FAX your request to the State Water Board at (916) 341-5808 or telephone (916) 341-5752.

Pursuant to section 25296.10(c)(6) of the Health and Safety Code, a responsible party may request the designation of an administering agency when required to conduct corrective action. Please contact this office for further information about the designation process.

Please contact your caseworker MARK DETTERMAN at this office at (510) 567-5876 if you have questions regarding your site.

Ronald A. Browder Date: 12-01-2017

RONALD BROWDER, Director
Contract Project Director

Action: Update
Reason: ADD

Attachment A: Responsible Parties Data Sheet

cc: Cindy Davis, SWRCB (email: cindy.davis@waterboards.ca.gov) | Dilan Roe (email: dilan.roe@acgov.org), File

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
REBECCA GEBHART, Interim Director

ENVIRONMENTAL HEALTH DEPARTMENT
OFFICE OF THE DIRECTOR
1131 HARBOR BAY PARKWAY
ALAMEDA, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

Certified Mail #:

November 30, 2017

## NOTICE OF RESPONSIBILITY

**Site Name & Address:**
**GOLDSMITH LATHROP**
**5813 – 5815 SHELLMOUND STREET**
**EMERYVILLE, CA 94608**

**Local ID:** RO0000071
**Related ID:** STID 5557
**RWQCB ID:** 01-2393
**Global ID:** T0600102203

**Responsible Party:**

**FP LATHROP**
**c/o GOLDSMITH LATHROP**
**ADDRESS UNKNOWN**

**Date First Reported:** 9/11/1989
**Substance:** • 8006619 Gasoline-Automotive (motor gasoline and additives), leaded & unleaded

**Funding for Oversight:** LOPS - LOP State Fund
**Multiple RPs?:** Yes

Pursuant to sections 25297.1 and 25297.15 of the Health and Safety Code, you are hereby notified that the above site has been placed in the Local Oversight Program and the individual(s) or entity(ies) shown above, or on the attached list, has (have) been identified as the party(ies) responsible for investigation and cleanup of the above site. Section 25297.15 further requires the primary or active Responsible Party to notify all current record owners of fee title before the local agency considers cleanup or site closure proposals or issues a closure letter. For purposes of implementing section 25297.15, this agency has identified FP LATHROP, C/O GOLDSMITH LATHROP as the primary or active Responsible Party. It is the responsibility of the primary or active Responsible Party to submit a letter to this agency, within 20 calendar days of receipt of this notice that identifies all current record owners of fee title. It is also the responsibility of the primary or active Responsible Party to certify to the local agency that the required notifications have been made at the time a cleanup or site closure proposal is made or before the local agency makes a determination that no further action is required. If property ownership changes in the future, you must notify this local agency within 20 calendar days from when you are informed of the change.

Any action or inaction by this local agency associated with corrective action, including responsible party identification, is subject to petition to the State Water Resources Control Board. Petitions must be filed within 30 days from the date of the action/inaction. To obtain petition procedures, please FAX your request to the State Water Board at (916) 341-5808 or telephone (916) 341-5752.

Pursuant to section 25296.10(c)(6) of the Health and Safety Code, a responsible party may request the designation of an administering agency when required to conduct corrective action. Please contact this office for further information about the designation process.

Please contact your caseworker MARK DETTERMAN at this office at (510) 567-5876 if you have questions regarding your site.

Ronald Browder Date: 12-01-2017

RONALD BROWDER, Director
Contract Project Director

Action: Update
Reason: ADD

Attachment A: Responsible Parties Data Sheet

cc: Cindy Davis, SWRCB (email: cindy.davis@waterboards.ca.gov) | Dilan Roe (email: dilan.roe@acgov.org), File

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
REBECCA GEBHART, Interim Director

ENVIRONMENTAL HEALTH DEPARTMENT
OFFICE OF THE DIRECTOR
1131 HARBOR BAY PARKWAY
ALAMEDA, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

Certified Mail #:

November 30, 2017

## NOTICE OF RESPONSIBILITY

**Site Name & Address:**
**GOLDSMITH LATHROP**
**5813 – 5815 SHELLMOUND STREET**
**EMERYVILLE, CA 94608**

**Local ID:** RO0000071
**Related ID:** STID 5557
**RWQCB ID:** 01-2393
**Global ID:** T0600102203

**Responsible Party:**

**FP AND MARCIA LATHROP AND SANDRA HYDE TRUST**
**c/o FP AND MARCIA LATHROP AND SANDRA HYDE**
**ADDRESS UNKNOWN**

**Date First Reported:** 9/11/1989
**Substance:** • 8006619 Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
**Funding for Oversight:** LOPS - LOP State Fund
**Multiple RPs?:** Yes

Pursuant to sections 25297.1 and 25297.15 of the Health and Safety Code, you are hereby notified that the above site has been placed in the Local Oversight Program and the individual(s) or entity(ies) shown above, or on the attached list, has (have) been identified as the party(ies) responsible for investigation and cleanup of the above site. Section 25297.15 further requires the primary or active Responsible Party to notify all current record owners of fee title before the local agency considers cleanup or site closure proposals or issues a closure letter. For purposes of implementing section 25297.15, this agency has identified FP AND MARCIA LATHROP AND SANDRA HYDE TRUST C/O FP AND MARCIA LATHROP AND SANDRA HYDE as the primary or active Responsible Party. It is the responsibility of the primary or active Responsible Party to submit a letter to this agency, within 20 calendar days of receipt of this notice that identifies all current record owners of fee title. It is also the responsibility of the primary or active Responsible Party to certify to the local agency that the required notifications have been made at the time a cleanup or site closure proposal is made or before the local agency makes a determination that no further action is required. If property ownership changes in the future, you must notify this local agency within 20 calendar days from when you are informed of the change.

Any action or inaction by this local agency associated with corrective action, including responsible party identification, is subject to petition to the State Water Resources Control Board. Petitions must be filed within 30 days from the date of the action/inaction. To obtain petition procedures, please FAX your request to the State Water Board at (916) 341-5808 or telephone (916) 341-5752.

Pursuant to section 25296.10(c)(6) of the Health and Safety Code, a responsible party may request the designation of an administering agency when required to conduct corrective action. Please contact this office for further information about the designation process.

Please contact your caseworker MARK DETTERMAN at this office at (510) 567-5876 if you have questions regarding your site.

Ronald Browder Date: 12-01-2017

RONALD BROWDER, Director
Contract Project Director

Action: Update
Reason: ADD

Attachment A: Responsible Parties Data Sheet

cc: Cindy Davis, SWRCB (email: cindy.davis@waterboards.ca.gov) | Dilan Roe (email: dilan.roe@acgov.org), File

ALAMEDA COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH
LUFT LOCAL OVERSIGHT PROGRAM

# ATTACHMENT A - RESPONSIBLE PARTIES DATA SHEET

November 30, 2017

**Site Name & Address:**
GOLDSMITH LATHROP
5813 – 5815 SHELLMOUND STREET
EMERYVILLE, CA 94608

**Local ID:** RO0000071
**Related ID:** STID 5557
**RWQCB ID:** 01-2393
**Global ID:** T0600102203

**All Responsible Parties**

**RP has been named a Primary RP – FP LATHROP C/O GOLDSMITH LATHROP**

ADDRESS UNKNOWN | No Phone Number Listed

**RP has been named a Primary RP – FP AND MARCIA LATHROP, AND SANDRA HYDE TRUST**
ATTN: FP AND MARCIA LATHROP, AND SANDRA HYDE
ADDRESS UNKNWON | No Phone Number Listed

**RP has been named a Primary RP – SPIEKER PROPERTIES, LP**

ADDRESS UNKNOWN | No Phone Number Listed

**RP has been named a Primary RP – SPK INDUSTRIAL PORTFOLIO LLC, C/O EOP-INDUSTRIAL PORTFOLIO, LLC**

222 S. RIVERSIDE PLAZA, SUITE 200 | CHICAGO, IL 60606 | No Phone Number Listed

**RP has been named a Primary RP – BRE PROPERTIES, INC.**

525 MARKET STREET, FL 4 | SAN FRANCISCO, CA 94105 | No Phone Number Listed

**RP has been named a Primary RP - BRE PROPERTIES, INC.**

44 MONTGOMERY, FL 36 | SAN FRANCISO, CA 94104 | No Phone Number Listed

**RP has been named a Primary RP – MICHAEL PARK**

75 GLEN APLINE RAOD | PIEDMONT, CA 94611 | No Phone Number Listed

## ATTACHMENT A - RESPONSIBLE PARTIES DATA SHEET (Continued)

November 30, 2017

### Responsible Party Identification Background

Alameda County Department of Environmental Health (ACDEH) names a "Responsible Party," as defined under 23 C.C.R Sec. 2720. Section 2720 defines a responsible party four ways. An RP can be:

1. "Any person who owns or operates an underground storage tank used for the storage of any hazardous substance."
2. "In the case of any underground storage tank no longer in use, any person who owned or operated the underground storage tank immediately before the discontinuation of its use."
3. "Any owner of property where an unauthorized release of a hazardous substance from an underground storage tank has occurred."
4. "Any person who had or has control over an underground storage tank at the time of or following an unauthorized release of a hazardous substance."

### Existence of Unauthorized Release

On October 26, 1989, one 2,000-gallon gasoline underground storage tank (UST) was removed from the subject site. Two soil samples were collected from the tank excavation, and a four-point stockpile sample was collected. Concentrations up to 23 milligrams per kilogram (mg/kg) Total Petroleum Hydrocarbons (TPH) as gasoline and up to 0.280 mg/kg total xylenes were detected in soil. A grab groundwater sample was also collected in the tank excavation. Concentrations up to 2,800 micrograms per liter (µg/l) TPH as gasoline, 12 µg/l benzene, 240 µg/l toluene, 61 µg/l ethylbenzene, and 400 µg/l total xylenes were detected in groundwater. The data indicates that than an unauthorized release had occurred.

### Responsible Party Identification

F. P. Lathrop / Goldsmith Lathrop (including F.P. and Marcia Lathrop and Sandra Hyde Trust), purchased the property in March 1971. F.P. Lathrop / Goldsmith Lathrop is a responsible party for the site because they owned an UST used for the storage of a hazardous substance (Definition 1); in the case of a UST no longer in use, they owned the UST immediately before the discontinuation of use (Definition 2), they owned the property where an unauthorized release from an UST occurred (Definition 3), and they had control of the UST at the time of or following an unauthorized release (Definition 4).

Spieker Properties L. P. purchased the property in January 1997. The Spieker Properties L.P. is a responsible party for the site because it owned the property where an unauthorized release has occurred (Definition 3).

SPK Industrial Portfolio LLC (currently EOP-Industrial Portfolio, LLC) purchased or received the property in June 2001. The SPK Industrial Portfolio LLC (currently EOP-Industrial Portfolio, LLC) is a responsible party for the site because it owned the property where an unauthorized release has occurred (Definition 3).

BRE Properties, Inc, including c/o Essex Properties Trust, Inc., purchased or received the property in June 2005. The BRE Properties, including c/o Essex Properties Trust, Inc., is a responsible party for the site because it owned the property where an unauthorized release has occurred (Definition 3).

Michael Park purchased or received the property in July 2017. Michael Park is a responsible party for the site because he owned the property where an unauthorized release has occurred (Definition 3).

# ATTACHMENT 3

ALAMEDA COUNTY
**HEALTH CARE SERVICES**
AGENCY
ALEX BRISCOE, Director

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

# INVITATION TO COMMENT – POTENTIAL CASE CLOSURE

**Goldsmith Lathrop**
**5813 – 5815 Shellmound Street, Emeryville, 94608**
**FUEL LEAK CASE RO0000071**
**GEOTRACKER GLOBAL ID T0600102203**

**December 6, 2013**

The above referenced site is a fuel leak case that is under the regulatory oversight of the Alameda County Environmental Health (ACEH) Local Oversight Program for the investigation and cleanup of a release of petroleum hydrocarbons from an underground storage tank (UST) system. Site investigation and cleanup activities associated with the UST have been completed and the site has been evaluated in accordance with the State Water Resources Control Board Low-Threat Closure Policy. The site appears to meet all of the criteria in the Low-threat Closure Policy. Therefore, ACEH is considering closure of the fuel leak case. Please be aware that the closure is specifically limited to contamination associated with the former UST and contamination from other sources is excluded from this closure.

This notice is being sent to the current landowner in compliance with Health and Safety Code Section 25295.40. It is also being sent to the current occupants and landowners of adjacent properties and known interested parties for this site.

The public is invited to review and comment on the potential closure of the fuel leak case. The entire case file can be viewed over the Internet on the ACEH website (http://www.acgov.org/aceh/lop/ust.htm) or the State of California Water Resources Control Board GeoTracker website (http://geotracker.swrcb.ca.gov). Please send written comments to Mark Detterman at the address below; all comments will be forwarded to the responsible parties. **Comments received by February 9, 2014 will be considered and responded to prior to a final determination on the proposed case closure.**

If you have comments or questions regarding this site, please contact the ACEH caseworker, Mark Detterman at 510-567-6876 or by email at mark.detterman@acgov.org. Please refer to ACEH case RO0000067 in any correspondence.

AG CCRP PUBLIC MARKET L P
Parcel #: 49-1556-2
2000 AVENUE OF THE STARS
LOS ANGELES CA 90067

BRE PROPERTIES INC
Parcel #: 49-1493-2-3
525 MARKET ST 4TH FL
SAN FRANCISCO CA 94105

CHRISTIE AVE LLC
Parcel #: 49-1493-7-4
640 LENFEST RD
SAN JOSE CA 95133

CITY OF EMERYVILLE
Parcel #: 49-1321-1-2
1333 PARK AVE
EMERYVILLE CA 94608

EMERYVILLE HOTEL
Parcel #: 49-1515-7-5
400 S EL CAMINO REAL #200
EMERYVILLE CA 94402

EMERYVILLE LLC
Parcel #: 49-1493-11
71 S WACKER DR
CHICAGO IL 60606

RESIDENT
Parcel #: 49-1321-1-2
1535 POWELL ST
EMERYVILLE CA 94608

RESIDENT
Parcel #: 49-1493-2-3
5811 SHELLMOUND ST
EMERYVILLE CA 94608

RESIDENT
Parcel #: 49-1493-7-4
5800 CHRISTIE AVE
EMERYVILLE CA 94608

RESIDENT
Parcel #: 49-1493-11
5800 SHELLMOUND ST
EMERYVILLE CA 94608

RESIDENT
Parcel #: 49-1556-2
BAY ST
EMERYVILLE CA 94608

RESIDENT
Parcel #: 49-1515-7-5
1603 POWELL ST
EMERYVILLE CA 94608

SHELLMOUND CHRISTIE
Parcel #: 49-1493-6
5850 SHELLMOUND ST
EMERYVILLE CA 94608

East Bay Municipal Utility District
Chandra Johannesson
P.O. Box 24055,
Oakland, CA 94623

cjohanne@ebmud.com

City of Emeryville
Public Works Department
Michael Roberts
1333 Park Avenue
Emeryville CA 94608

mroberts@emeryville.org

City of Emeryville
Planning Division
1333 Park Avenue
Emeryville CA 94608

City of Emeryville
Nancy Humphrey
Environmental Programs Supervisor
1333 Park Avenue
Emeryville CA 94608

nhumphrey@emeryville.org

nhumphrey@ci.emeryville.ca.us

Regional Water Quality Control Board
Laurent Meillier
San Francisco Bay Region
1515 Clay St, Ste 1400
Oakland, CA 94612

laurent.meillier@waterboards.co.gov

ALAMEDA COUNTY
**HEALTH CARE SERVICES**
AGENCY
ALEX BRISCOE, Agency Director

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

December 6, 2013

BRE Properties, Inc.
525 Market Street, 4th Fl
San Francisco, CA 94105

SPK Industrial Portfolio LLC
c/o Prop Tax Dept.
PO Box A-3879
Chicago, IL 60690

F.P. Lathrop
Goldsmith Lathrop
Address Unknown

FP and Marcia F. and Sandra Hyde
FP and Marcia F. and Sandra Hyde Trust
Address Unknown

Subject: Public Participation Notification for Case Closure Consideration for Fuel Leak Case No. RO0000071 and Geotracker Global ID T0600102203, Goldsmith Lathrop, 5813-5815 Shellmound St, Emeryville, CA 94608

Dear Ladies and Gentleman:

Alameda County Environmental Health (ACEH) is reviewing the fuel case file for the above referenced site for potential case closure. As you are aware a site investigation and groundwater monitoring for underground storage tank leaks has been performed at the subject property to which you are named as the primary or active responsible party. Please be aware that the closure is specifically limited to contamination associated with the former UST. Contamination from other sources is excluded from this closure and will be referred to a new case number.

**List of Landowners Form**

Pursuant to Section 25297.15 (a), Alameda County Environmental Health (ACEH), the local agency, shall not consider cleanup or site closure proposals from the primary or active responsible party, issue a closure letter, or make a determination that no further action is required with respect to a site upon which there was an unauthorized release of hazardous substances from an underground storage tank subject to this chapter unless all current record owners of fee title to the site of the proposed action have been notified of the proposed action by the primary or active responsible party. ACEH is required to notify the primary or active responsible party of their requirement to certify in writing to the local agency that the notification requirement in the above-mentioned regulation has been satisfied and to provide the local agency with a complete mailing list of all record fee title owners.

To satisfy this requirement, please complete the enclosed *List of Landowners Form*, and mail or e-mail it back to ACEH by the date identified below. Also your comments, if any, must be considered prior to the proposed closure. Please respond within 30 days from the date of this letter for your comments to be considered.

**Public Participation**

Public participation is a requirement for the Corrective Action Plan and case closure process. In order to notify potentially affected members of the public of the potential fuel leak case closure, ACEH has distributed the attached *Notification of Potential Case Closure* to addresses in the immediate vicinity. The *Notification of Potential Case Closure* requests that landowners or residents submit any comments or questions to ACEH regarding potential case closure by February 9, 2014. ACEH will consider all comments from the public prior to potential case closure.

**Request for Waste Removal**

Local Oversight Programs are required by the State's Low Threat Closure Policy (LTCP) to issue a uniform closure letter within 30 days from the end of the public comment period for case closures. Normally this includes well destruction and disposal of any investigation or destruction related wastes; however, because this site will contain significant residual contamination that does not appear to be related to the former UST, ACEH is limiting this request to the removal of any remaining investigation derived waste. ACEH specifically requests that the wells remain for future site investigations unrelated to the former UST.

Therefore, in order to meet the 30 day timeframe ACEH requests that waste (as defined by the LTCP) is removed from the site and appropriate documentation be submitted by the date identified below. After written ACEH concurrence (e-mail or other) that there have been no public comments, and provided ACEH receives the required List of Landowners Form and confirmation of waste removal as is described above, ACEH would proceed with closure of the fuel leak case.

**TECHNICAL REPORT REQUEST**

Please upload technical reports to the ACEH ftp site (Attention: Mark Detterman), and to the State Water Resources Control Board's Geotracker website, in accordance with the specified file naming convention below, according to the following schedule:

- **December 9, 2013** – Public Comment Period Begins
- **January 8, 2014** - Return *List of Landowner Form*
  File to be named: RO71_LNDOWNR_F_yyyy-mm-dd
- **January 8, 2014** – Confirmation of Waste Removal
- **February 9, 2014** – Public Comment Period Ends
- **4 Weeks After Close of Public Comment Period** – ACEH issues uniform closure letter if all required documents are submitted

These reports are being requested pursuant to California Health and Safety Code Section 25296.10. 23 CCR Sections 2652 through 2654, and 2721 through 2728 outline the responsibilities of a responsible party in response to an unauthorized release from a petroleum UST system, and require your compliance with this request.

Online case files are available for review at the following website: http://www.acgov.org/aceh/index.htm.

Should you have any questions, please contact me at (510) 567--6876 or send me an electronic mail message at mark.detterman@acgov.org.

Sincerely,

Digitally signed by Mark Detterman
DN: cn=Mark Detterman, o, ou, email=mark.detterman@acgov.org, c=US
Date: 2013.12.06 13:59:32 -08'00'

Mark E. Detterman, PG, CEG
Senior Hazardous Materials Specialist

Enclosures: Attachment 1 – Responsible Party (ies) Legal Requirements/Obligations & Electronic Report Upload (ftp) Instructions

Attachment A – *Invitation to Comment – Potential Case Closure*
Attachment B - *List of Landowners Form*
Attachment C – Mailing List

cc: Treadwell & Rollo, 555 Montgomery Street, Suite 300, San Francisco, CA 94111
Dilan Roe (sent via electronic mail to dilan.roe@acgov.org)
Mark Detterman, ACEH, (sent via electronic mail to mark.detterman@acgov.org)
Geotracker, Electronic File

# ATTACHMENT 4

GEOTRACKER | Regulator Tools | Reports | Other Tools | GAMA | Contact | Logout | Quick Sea

**GOLDSMITH LATHROP** (T0600102203) - MAP THIS SITE

PUBLIC PAGE

5813-5815 SHELLMOUND STREET
EMERYVILLE , CA 94608
ALAMEDA COUNTY
**LUST CLEANUP SITE (INFO)**
STATUS: OPEN - ELIGIBLE FOR CLOSURE

**CLEANUP OVERSIGHT AGENCIES**
ALAMEDA COUNTY LOP *(LEAD)* - *CASE #: RO0000071* - *MARK DETTERMAN*
SAN FRANCISCO BAY RWQCB (REGION 2) - *CASE #: 01-2393* - *Regional Water Board*

Activities Report | Documents / Data | Environmental Conditions | Admin | Funding | Case Reviews

**THERE ARE 1 OTHER CASES ASSOCIATED WITH THIS CASE** - SHOW

THIS PROJECT WAS LAST MODIFIED BY *DILAN ROE* ON 4/21/2018 6:08:06 PM - HISTORY

**CLOSURE POLICY** *THIS VERSION IS FINAL AS OF 4/21/2018* *CHECKLIST INITIATED ON 8/9/2013* CLOSURE POLICY HISTORY

**General Criteria** - *The site satisfies the policy general criteria* - CLEAR SECTION ANSWERS — YES

a. Is the unauthorized release located within the service area of a public water system? — ◉ YES ○ NO
Name of Water System : EBMUD

b. The unauthorized release consists only of petroleum (info). — ◉ YES ○ NO

c. The unauthorized ("primary") release from the UST system has been stopped. — ◉ YES ○ NO

d. Free product has been removed to the maximum extent practicable (info). — ○ FP Not Encountered ◉ YES ○ NO

e. A conceptual site model that assesses the nature, extent, and mobility of the release has been developed (info). — ◉ YES ○ NO

f. Secondary source has been removed to the extent practicable (info). — ◉ YES ○ NO

g. Soil or groundwater has been tested for MTBE and results reported in accordance with Health and Safety Code Section 25296.15. — ○ Not Required ◉ YES ○ NO

h. Does a nuisance exist, as defined by Water Code section 13050 — ○ YES ◉ NO

**1. Media-Specific Criteria: Groundwater** - *The contaminant plume that exceeds water quality objectives is stable or decreasing in areal extent, and meets all of the additional characteristics of one of the five classes of sites listed below.* - CLEAR SECTION ANSWERS — YES

EXEMPTION - Soil Only Case (Release has not Affected Groundwater - Info) — ○ YES ◉ NO

Does the site meet any of the Groundwater specific criteria scenarios? — ◉ YES ○ NO

1.1 - The contaminant plume that exceeds water quality objectives is <100 feet in length. There is no free product. The nearest existing water supply well or surface water body is >250 feet from the defined plume boundary. — ◉ YES ○ NO

**2. Media Specific Criteria: Petroleum Vapor Intrusion to Indoor Air** - *The site is considered low-threat for the vapor-intrusion-to-air pathway if site-specific conditions satisfy items 2a, 2b, or 2c* - CLEAR SECTION ANSWERS — NO

EXEMPTION - Active Commercial Petroleum Fueling Facility — ○ YES ◉ NO

Does the site meet any of the Petroleum Vapor Intrusion to Indoor Air specific criteria scenarios? — ○ YES ◉ NO

ADDITIONAL QUESTIONS - Please indicate only those conditions that do not meet the policy criteria:

**Soil Gas Samples :**
○ No Soil Gas Samples ○ Taken Incorrectly

**Exposure Type :**
○ Residential ◉ Commercial

**Free Product :**
○ In Groundwater ○ In Soil ○ Unknown

**TPH in the Bioattenuation Zone :**
○ ≥ 100 mg/kg ○ Unknown ○ Soil samples not taken at two depths within 5 ft. zone (only for Scenario 4 with BioZone)

**Bioattenuation Zone Thickness :**
◉ < 5 Feet (No BioZone) ○ ≥ 5 Feet and < 10 Feet ○ ≥ 10 Feet and < 30 Feet ○ ≥ 30 Feet ○ 30ft BioZone Compromised TPH > 100mg/kg ○ Unknown

**O2 Data in Bioattenuation Zone :**
◉ No $O_2$ Data ○ $O_2$ < 4% ○ $O_2$ ≥ 4%

**Benzene in Groundwater :**
○ ≥ 100 µg/l and < 1,000 µg/l ○ ≥ 1,000 µg/l ◉ Unknown

**Soil Gas Benzene :**
○ ≥ 85 µg/m³ and < 280 µg/m³ ○ ≥ 280 µg/m³ and < 85,000 µg/m³ ○ ≥ 85,000 µg/m³ and < 280,000 µg/m³ ○ ≥ 280,000 µg/m³ ◉ Unknown

**Soil Gas EthylBenzene :**
○ ≥ 1,100 µg/m³ and < 3,600 µg/m³ ○ ≥ 3,600 µg/m³ and < 1,100,000 µg/m³ ○ ≥ 1,100,000 µg/m³ and < 3,600,000 µg/m³ ○ ≥ 3,600,000 µg/m³ ◉ Unknown

**Soil Gas Naphthalene :**
○ ≥ 93 µg/m³ and < 310 µg/m³ ○ ≥ 310 µg/m³ and < 93,000 µg/m³ ○ ≥ 93,000 µg/m³ and < 310,000 µg/m³ ○ ≥ 310,000 µg/m³ ◉ Unknown

**3. Media Specific Criteria: Direct Contact and Outdoor Air Exposure** - *The site is considered low-threat for direct contact and outdoor air exposure if it meets 1, 2, or 3 below.* - CLEAR SECTION ANSWERS — NO

EXEMPTION - The upper 10 feet of soil is free of petroleum contamination — ○ YES ◉ NO

Does the site meet any of the Direct Contact and Outdoor Air Exposure criteria scenarios? — ○ YES ◉ NO

ADDITIONAL QUESTIONS - Please indicate only those conditions that do not meet the policy criteria:

**Exposure Type :**
○ Residential ◉ Commercial ○ Utility Worker

**Petroleum Constituents in Soil :**
○ ≤ 5 Feet bgs ○ >5 Feet bgs and ≤10 Feet bgs ○ Unknown

**Soil Concentrations of Benzene :**
○ > 1.9 mg/kg and ≤ 2.8 mg/kg ○ > 2.8 mg/kg and ≤ 8.2 mg/kg ○ > 8.2 mg/kg and ≤ 12 mg/kg ○ > 12 mg/kg and ≤ 14 mg/kg ○ > 14 mg/kg ○ Unknown

**Soil Concentrations of EthylBenzene :**

○ > 21 mg/kg and ≤ 32 mg/kg ○ > 32 mg/kg and ≤ 89 mg/kg ○ > 89 mg/kg and ≤ 134 mg/kg ○ > 134 mg/kg and ≤ 314 mg/kg ○ > 314 mg/kg ○ Unknown

**Soil Concentrations of Naphthalene :**

○ > 9.7 mg/kg and ≤ 45 mg/kg ○ > 45 mg/kg and ≤ 219 mg/kg ○ > 219 mg/kg ◉ Unknown

**Soil Concentrations of PAH :**

○ > 0.063 mg/kg and ≤ 0.68 mg/kg ○ > 0.68 mg/kg and ≤ 4.5 mg/kg ○ > 4.5 mg/kg ○ Unknown

**Area of Impacted Soil :**

○ Area of Impacted Soil > 82 by 82 Feet ◉ Unknown

**Additional Information**

Should this case be closed in spite of NOT meeting policy criteria?

**Explain:**

The site does not meet the LTCP Media Specific Criteria for Vapor Intrusion and Outdoor Air due to shallow groundwater that limits a bioattenuation zone to less than 5 feet and precludes the collection of soil vapor data. However, petroleum volatile organic compounds in soil and groundwater samples in the vicinity of the former UST were non-detect or detected at trace concentrations.

The highest reported soil concentration of Total Petroleum Hydrocarbons as gasoline (TPHg) in the vicinity of the former UST was 23 milligrams per kilogram (mg/kg) contained in a four-way composite soil sample collected at the time of the tank removal. Benzene, toluene, and ethylbenzene concentrations in the composite sample were reported to be less than 0.050 milligrams per kilogram (mg/kg), whereas total xylenes were reported to be 0.28 mg/kg. TPHg concentrations in the tank sidewall soil samples were reported to be less than 1.0 mg/kg, and BTEX concentrations in tank sidewall soil samples were reported to be less than 0.005 mg/kg. The samples were collected just above groundwater. Subsequent soil samples collected around the former UST location at a depth of five or six feet below grade surface (bgs) in soil bores SB-A, SB-B, SB-C, SB-D, and SB-E indicate the hydrocarbon contamination from the former UST was not extensive. Concentrations of up TPHg up to 1.1 milligrams per kilogram (mg/kg) and BTEX less than 0.0025 mg/kg were reported from these bores.

Benzene concentrations in the former tank excavation was reported to be 32 micrograms per liter (µg/l). Benzene, naphthalene and ethylbenzene concentrations in groundwater samples collected from downgradient well C-2 had maximum concentrations of 1.1, 2.0 and 11 µg/L, respectively.Based on the low levels of petroleum VOCs in soil and groundwater and the land use as a parking lot at the time of closure in the vicinity of the former tank pit, the gasoline UST release does not pose a vapor intrusion risk at the site.

◉ YES ○ NO

Has this LTCP Checklist been updated for FY 17/18?

◉ YES ○ NO

SPELL CHECK

Save Form as Partially Completed | Save Form as Complete

# ATTACHMENT 5

# Attachment 5: LTCP Media Specific Evaluation - Groundwater

| LTCP GROUNDWATER SPECIFIC CRITERIA | | | | | | |
|---|---|---|---|---|---|---|
| **Closure Scenario** | | | | | | |
| __ Site has not affected groundwater; __X__ **Scenario 1**; __ Scenario 2; __ Scenario 3; __ Scenario 4; __ Scenario 5; __ This case should be closed in spite of not meeting the groundwater specific media criteria | | | | | | |
| **Evaluation Criteria:** Shading indicates criteria met | | | | | | |
| **Site Specific Data** | | **Scenario 1** | **Scenario 2** | **Scenario 3** | **Scenario 4** | **Scenario 5** |
| Plume Length | < 25 feet | <100 feet | <250 feet | <250 feet | <1,000 feet | The site does not meet scenarios 1 through 4; however, a determination been made that under current and reasonably expected future scenarios, the contaminant plume poses a low threat to human health and safety and to the environment and water quality objectives will be achieved within a reasonable time frame. |
| Free Product | No free product | No free product | No free product | Removed to maximum extent practicable | No free product | |
| Plume Stable or Decreasing | Stable or decreasing | Stable or decreasing | Stable or decreasing | Stable or decreasing for minimum of 5 years | Stable or decreasing | |
| Distance to Nearest Water Supply Well (from plume boundary) | > 2,000 feet | >250 feet | >1,000 feet | >1,000 feet | >1,000 feet | |
| Distance to Nearest Surface Water Body (from plume boundary) | Downgradient: 1,600 feet<br>Cross Gradient: 1,320 feet<br>Upgradient: > 9,500 feet | >250 feet | >1,000 feet | >1,000 feet | >1,000 feet | |
| Benzene Concentrations (µg/l) | Historic Max: <0.5<br>Current Max: <0.5 | No criteria | <3,000 | <1,000 | <1,000 | |
| MTBE Concentrations (µg/l) | Historic Max: <0.2<br>Current Max: <0.2 | No criteria | <1,000 | <1,000 | <1,000 | |
| Property Owner Willing to Accept a Land Use Restriction | Not applicable | Not applicable | Not applicable | Yes | Not applicable | |

# Attachment 5: LTCP Media Specific Evaluation - Groundwater

| LTCP GROUNDWATER SPECIFIC CRITERIA (continued) | |
|---|---|
| **Analysis** | |
| **Plume Length** | The extent of petroleum hydrocarbon contamination impacts to groundwater from the gasoline UST release was defined by grab groundwater samples collected from soil bores (SB-A through SB-E) and groundwater samples collected from monitoring well (C-2) located in the vicinity and downgradient of the former tank pit. Additional soil bores (13, 14, HA8 through HA11) advanced as part of a separate investigation of subsurface contamination on the adjacent property provide additional data delineating the extent of the gasoline UST release at the site. Based on this data the contaminant plume that exceeds water quality objectives is less than approximately 25 feet from the edge of the plume. |
| **Free Product** | Not observed at site. |
| **Plume Stability** | The plume is stable in aerial extent (i.e., the contaminant mass has expanded to its maximum extent defined as the distance from the release where attenuation exceeds migration.) |
| **Water Supply Wells** | An Alameda County Public Works Agency (ACPWA) well survey indicate no public water supply wells, irrigation wells within 2,000 feet of the site. The well survey results from the GeoTracker Groundwater Ambient Monitoring Assessment (GAMA) website indicates there are no public water supply wells, irrigation wells, Department of Water Resources (DWR) wells, California Department of Public Health wells, or Department of Pesticide Regulation wells located within a 2,000 foot radius of the site. |
| **Surface Water Bodies** | San Francisco Bay is downgradient to the southwest at an approximate distance of 1,600 feet, and 1,320 feet cross-gradient to the northwest. No creeks are upgradient for at least a distance greater than 9,500 feet. |

# ATTACHMENT 6

# Attachment 6: LTCP Media Specific Evaluation - Vapor Intrusion

**LTCP VAPOR SPECIFIC CRITERIA**

**Closure Scenario**

Exemption: __ Active fueling station exempt from vapor specific criteria; Active as of date: _____

__ Scenario 1; __ Scenario 2; __ Scenario 3a; __ Scenario 3b; __ Scenario 4a without bioattenuation zone; __ Scenario 4b with bioattenuation zone; __ Site specific risk assessment demonstrates human health is protected; __ Exposure controlled through use of mitigation measures or institutional controls; X **Case closed in spite of not meeting the vapor specific media criteria**

**Evaluation Criteria**: Shading indicates criteria met.

| **Site Specific Data** | | **Scenario 1** | **Scenario 2** | **Scenario 3A** | **Scenario 3B** | **Scenario 3C** | **Scenario 4a** | **Scenario 4b** |
|---|---|---|---|---|---|---|---|---|
| Unweathered LNAPL | No LNAPL | LNAPL in gw | LNAPL in soil | No LNAPL | No LNAPL | No LNAPL | No criteria | No criteria |
| Thickness of Bioattenuation Zone Beneath Foundation | < 5 feet | ≥30 feet | ≥30 feet | ≥5 feet | ≥10 feet | ≥5 feet | No criteria | ≥ 5 feet |
| Depth to Shallowest Groundwater | 3.33 feet | ≥30 feet | ≥30 feet | ≥5 feet | ≥10 feet | ≥ 5 feet | ≥ 5 feet | ≥ 5 feet |
| Total TPHg & TPHd in Soil in Bioattenuation Zone | 23 mg/kg (tank pit water) | <100 mg/kg | <100 mg/kg | <100 mg/kg | <100 mg/kg | <100 mg/kg | No criteria | <100 mg/kg |
| Maximum Current Benzene Concentration in Groundwater | 32 µg/L (tank pit water) | No criteria | No criteria | <100 µg/L | ≥100 and <1,000 µg/L | <1,000 µg/L | No criteria | No criteria |
| Oxygen Data in Bioattenuation Zone | Not Analyzed | No criteria | No criteria | No oxygen data or <4% | No oxygen data or <4% | ≥4% | No criteria | ≥4% at bottom of zone |
| Soil Vapor Depth Beneath Foundation | Not Analyzed | No criteria | No criteria | No criteria | No criteria | No criteria | 5 feet | 5 feet |
| Benzene Concentrations (µg/m$^3$) | Historic Max: Not Analyzed Current Max: Not Analyzed | No criteria | No criteria | No criteria | No criteria | No criteria | Res: < 85; Com: < 280 | Res: < 85K; Com: < 280K |
| Ethylbenzene Concentrations (µg/m$^3$) | Historic Max: Not Analyzed Current Max: Not Analyzed | No criteria | No criteria | No criteria | No criteria | No criteria | Res: < 1,100; Com: < 3,600 | Res: < 1,100K; Com: < 3,600K |
| Naphthalene Concentrations (µg/m$^3$) | Historic Max: Not Analyzed Current Max: Not Analyzed | No criteria | No criteria | No criteria | No criteria | No criteria | Res: < 93; Com: < 310 | Res: < 93K; Com: < 310K |

# Attachment 6: LTCP Media Specific Evaluation - Vapor Intrusion

| LTCP VAPOR SPECIFIC CRITERIA (continued) | |
|---|---|
| **Vapor Intrusion to Indoor Air Analysis** | |
| **Onsite** | The site does not meet the LTCP Media Specific Criteria for Vapor Intrusion and Outdoor Air due to shallow groundwater that limits a bioattenuation zone to less than 5 feet and precludes the collection of soil vapor data. However, petroleum volatile organic compounds in soil and groundwater samples in the vicinity of the former UST were non-detect or detected at trace concentrations.<br><br>The highest reported soil concentration of Total Petroleum Hydrocarbons as gasoline (TPHg) in the vicinity of the former UST was 23 milligrams per kilogram (mg/kg) contained in a four-way composite soil sample collected at the time of the tank removal. Benzene, toluene, and ethylbenzene concentrations in the composite sample were reported to be less than 0.050 milligrams per kilogram (mg/kg), whereas total xylenes were reported to be 0.28 mg/kg. TPHg concentrations in the tank sidewall soil samples were reported to be less than 1.0 mg/kg, and BTEX concentrations in tank sidewall soil samples were reported to be less than 0.005 mg/kg. The samples were collected just above groundwater. Subsequent soil samples collected around the former UST location at a depth of five or six feet below grade surface (bgs) in soil bores SB-A, SB-B, SB-C, SB-D, and SB-E indicate the hydrocarbon contamination from the former UST was not extensive. Concentrations of up TPHg up to 1.1 milligrams per kilogram (mg/kg) and BTEX less than 0.0025 mg/kg were reported from these bores.<br><br>Benzene concentrations in the former tank excavation was reported to be 32 micrograms per liter (µg/l). Benzene, naphthalene and ethylbenzene concentrations in groundwater samples collected from downgradient well C-2 had maximum concentrations of 1.1, 2.0 and 11 µg/L, respectively.<br><br>Based on the low levels of petroleum VOCs in soil and groundwater and the land use as a parking lot at the time of closure in the vicinity of the former tank pit, the gasoline UST release does not pose a vapor intrusion risk at the site. |
| **Offsite** | The petroleum hydrocarbon plume from the former gasoline UST does not extend offsite. |

# ATTACHMENT 7

# Attachment 7 – Direct Contact Evaluation and Data

**LTCP DIRECT CONTACT AND OUTDOOR AIR EXPOSURE CRITERIA**

**Closure Scenario**

__ Exemption (no petroleum hydrocarbons in upper 10 feet); __ Maximum concentrations of petroleum hydrocarbons are less than or equal to those in Table 1 below; __ Site-specific risk assessment; __ A determination has been made that the concentrations of petroleum in soil will have no significant risk of adversely affecting human health; __ A determination has been made that the concentrations of petroleum in soil will have no significant risk of adversely affecting human health as a result of controlling exposure through the use of mitigation measures or through the use of institutional controls; **X This case should be closed in spite of not meeting the direct contact and outdoor air specific media criteria.**

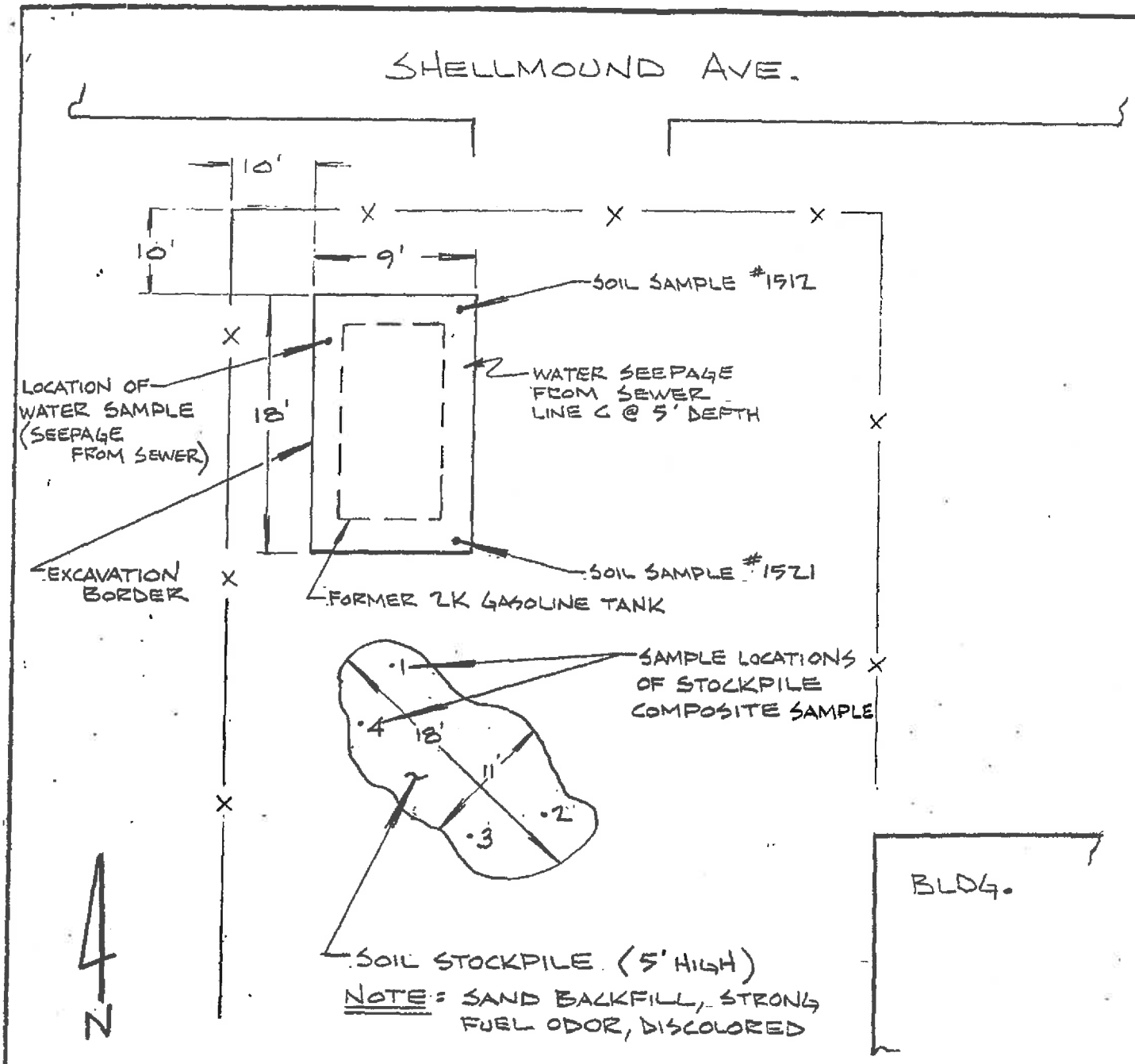
**Evaluation Criteria: Bold** indicates criteria met.

| Are maximum concentrations less than those in Table 1 below? | | Yes (current commercial land use scenario) | | | | |
|---|---|---|---|---|---|---|
| Constituent | | Residential | | Commercial/Industrial | | Utility Worker |
| | | 0 to 5 feet bgs (mg/kg) | Volatilization to outdoor air (5 to 10 feet bgs) mg/kg | 0 to 5 feet bgs (mg/kg) | Volatilization to outdoor air (5 to 10 feet bgs) mg/kg | 0 to 10 feet bgs (mg/kg) |
| Site Maximum | Benzene | **< 0.005** | **< 0.005** | **< 0.005** | **< 0.005** | **< 0.005** |
| LTCP Criteria | Benzene | ≤1.9 | ≤2.8 | ≤8.2 | ≤12 | ≤14 |
| Site Maximum | Ethylbenzene | **< 0.005** | **< 0.005** | **< 0.005** | **< 0.005** | **< 0.005** |
| LTCP Criteria | Ethylbenzene | ≤21 | ≤32 | ≤89 | ≤134 | ≤314 |
| Site Maximum | Naphthalene | NA | NA | NA | NA | NA |
| LTCP Criteria | Naphthalene | ≤9.7 | ≤9.7 | ≤45 | ≤45 | ≤219 |
| Site Maximum | PAHs | NR | NR | NR | NR | NRA |
| LTCP Criteria | PAHs | ≤0.063 | NR | ≤0.68 | NR | ≤4.5 |

**Direct Contact and Outdoor Air Analysis**

| | |
|---|---|
| **Onsite** | This site does not meet this LTCP criterion due to the lack of analysis in soil for naphthalene. Analysis for poly-aromatic hydrocarbons (PAHs) is not necessary under the LTCP for a former gasoline UST.<br>The maximum concentration of TPHg documented in tank excavation spoils at the site is reported to be 23 mg/kg in a four-way composite sample. Because there is no documentation that the soil was removed from the site and disposed offsite, ACDEH assumes the soil was returned to the excavation. The LUFT manual indicates that naphthalene is present at an average of 0.25% and a maximum of 0.36% in fresh gasoline product. Assuming a four-fold reduction due to compositing, would indicate that naphthalene may be present at a concentration up to 0.29 mg/kg at the site. This is below the Table 1 criteria for a commercial facility.<br>Additionally, under the current land use, most of the site is paved with minor landscaped areas near the site boundaries resulting in a low potential for direct contact exposure under the current land use. Excavation or construction activities in areas of potential residual contamination will be managed with a land use restriction, and require planning and implementation of appropriate health and safety procedures by the responsible party, or current property owner, prior to and during excavation and construction activities. |
| **Offsite** | The petroleum hydrocarbon soil contamination does not extend offsite. |

# ATTACHMENT 8




**NOTE**: WATER RUNNING INTO EXCAVATION @ MID-LEVEL OF TANK ON N.E. SIDE OF EXCAVATION WALL CITY CONFIRMS SEWER WASTE (NITRATES) GROUND WATER NOT ENCOUNTERED

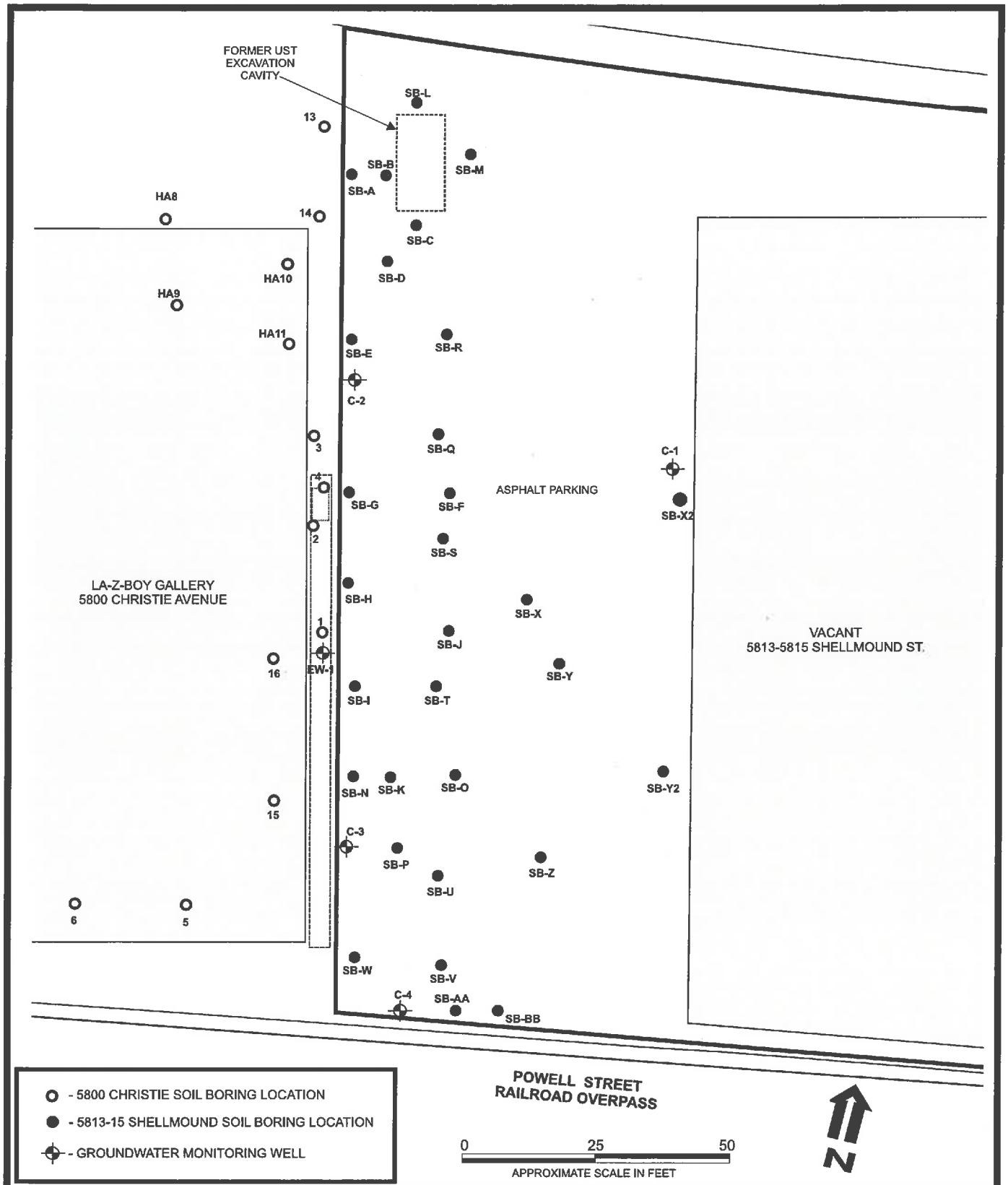
| |
|---|
| SCALE: NONE |
| DATE: 11-15-89 |
| DRWN. BY: MK |

KTW & ASSOCIATES
43299 Osgood Road, Fremont, Calif. 94539
(415) 623-0480
Cal. State Cont. Lic. # 572427

PROJECT NO.

**GENERALIZED SITE PLAN**
GOLDSMITH & LATHROP
5813-15 SHELLMOUND
EMERYVILLE, CA.

PLATE **2**




| | | | | |
|---|---|---|---|---|
| DESIGNED BY: | CHECKED BY: JEG | PREVIOUS SAMPLE LOCATIONS | DATE: 7/10/2017 | FIGURE: 3 |
| DRAWN BY: JEG | SCALE: | | | |
| PROJECT NO: | | 979 7TH STREET OAKLAND, CALIFORNIA | | |

# ATTACHMENT 9

BORING LOG

Client: Crosby, Heafey, Roach, and May

Project No: Phase Task 000

Boring ID SB-A

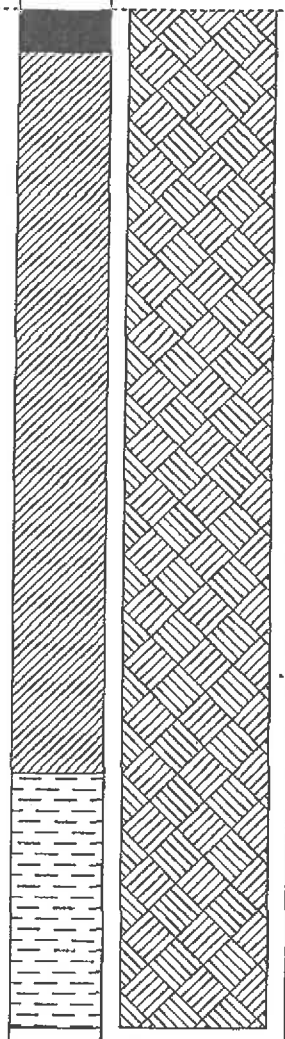
Location 5813 Shellmound Street, Emeryville, CA

Surface Elev. NA ft,



| Depth Feet | Blow Count | Sample | Interval | Lithologic Description |
|---|---|---|---|---|
| 0 | Ground Surface | | | |
| | | | | **ASPHALT** |
| | | | | **Silty CLAY**: (CL); Grayish green; soft; damp; 20% silt, 80% clay; Low estimated hydraulic conductivity. |
| 5 | 3 2 2 | | | |
| 10 | | | | **Organic CLAY**: (OL); Black; very soft; wet; 60% clay, 40% silt; Low estimated hydraulic conductivity. |
| | 3 2 1 | | | |
| 15 | | | | |

TPHg (ppm) | Graphic Log | Boring Completion Graphics | Depth Feet | Additional Comments



0 | 5 | 10 | 15

Bottom of boring

Driller Soils Exploration

Logged By NSM

Water-Bearing Zones

Drilling Started 9/22/94

Drilling Completed 9/22/94

Grout Type Portland Type I/II

Notes: Property line west of tank

BOR 19122 2/24/95

**Cambria Environmental Technology, Inc.**

BORING LOG

Client: Crosby, Heafey, Roach, and May

Project No: Phase Task 000

Boring ID SB-B

Location 5813 Shellmound Street, Emeryville, CA

Surface Elev. NA ft,



| Depth Feet | Blow Count | Sample | Interval | Lithologic Description |
|---|---|---|---|---|
| 0 | Ground Surface | | | |
| | | | | **ASPHALT** |
| | | | | **Clayey SILT**: (MH); Dark grey; very soft; wet; Low plasticity; 20% clay, 80% silt; Low estimated hydraulic conductivity. |
| 5 | P | | | |
| 10 | | | | **Organic CLAY**: (OL); Black; very soft; wet; Low plasticity; 60% clay, 40% silt; Low estimated hydraulic conductivity. |
| | P | | | |
| 15 | | | | |

TPHg (ppm) | Graphic Log | Boring Completion Graphics

| Depth Feet | Additional Comments |
|---|---|
| 0 | |
| 5 | |
| 10 | |
| | Bottom of boring |
| 15 | |

Driller Soils Exploration

Logged By NSM

Water-Bearing Zones

Drilling Started 9/22/94

Drilling Completed 9/22/94

Grout Type Portland Type I/II

Notes: Immediately west of tanks

BOR 19122 2/24/95

BORING LOG

Client: Crosby, Heafey, Roach, and May

Project No: Phase Task 000

Boring ID SB-C

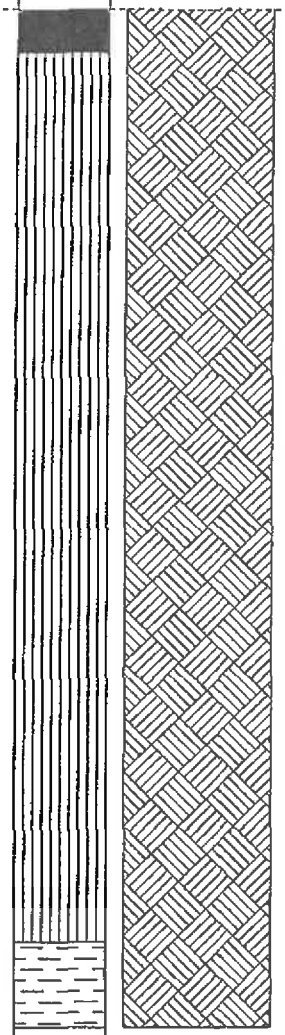
Location 5813 Shellmound Street, Emeryville, CA

Surface Elev. NA ft,



| Depth Feet | Blow Count | Sample | Interval | Lithologic Description |
|---|---|---|---|---|
| 0 | Ground Surface | | | |
| | | | | ASPHALT |
| | | | | SILT; (ML); Gray; soft; wet; Low plasticity; 20% clay, 80% silt; Moderate estimated hydraulic conductivity. |
| 5 | P | | | |
| 10 | P | | | Organic CLAY; (OL); Black; soft; wet; Low to medium plasticity; 60% clay, 40% silt; Low estimated hydraulic conductivity. |
| 15 | | | | |

TPHg (ppm) | Graphic Log | Boring Completion Graphics



| Depth Feet | Additional Comments |
|---|---|
| 0 | |
| 5 | |
| 10 | |
| 15 | Bottom of boring |

Driller Soils Exploration

Logged By NSM

Water-Bearing Zones

Drilling Started 9/22/94

Drilling Completed 9/22/94

Grout Type Portland Type I/II

Notes: Immediately south of tanks

BOR 19122 2/24/95

Cambria Environmental Technology, Inc.

BORING LOG

Client: Crosby, Heafey, Roach, and May

Project No: Phase Task 000

Boring ID SB-D

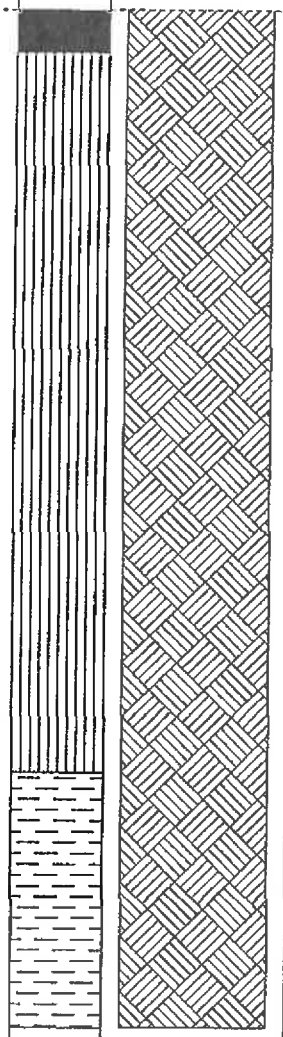
Location 5813 Shellmound Street, Emeryville, CA

Surface Elev. NA ft,



| Depth Feet | Blow Count | Sample | Interval | Lithologic Description |
|---|---|---|---|---|
| 0 | Ground Surface | | | |
| | | | | ASPHALT |
| | | | | Clayey SILT; (ML); Gray; soft; wet; Low plasticity; 20% clay, 30% silt, 20% sand, 30% gravel; Moderate estimated hydraulic conductivity. |
| 5 | | | | |
| 10 | | | | Organic CLAY; (OL); Black; soft; wet; Low to medium plasticity; 60% clay, 40% silt; Low estimated hydraulic conductivity. |
| 15 | | | | |

TPHg (ppm) | Graphic Log | Boring Completion Graphics | Depth Feet | Additional Comments



0 | 5 | 10 | 15

Bottom of boring

Driller Soils Exploration

Logged By NSM

Water-Bearing Zones

Drilling Started 9/22/94

Drilling Completed 9/22/94

Grout Type Portland Type I/II

Notes: Southeast of tanks on property line



Cambria Environmental Technology, Inc.

BORING LOG

Client: Crosby, Heafey, Roach, and May

Project No: Phase Task 000

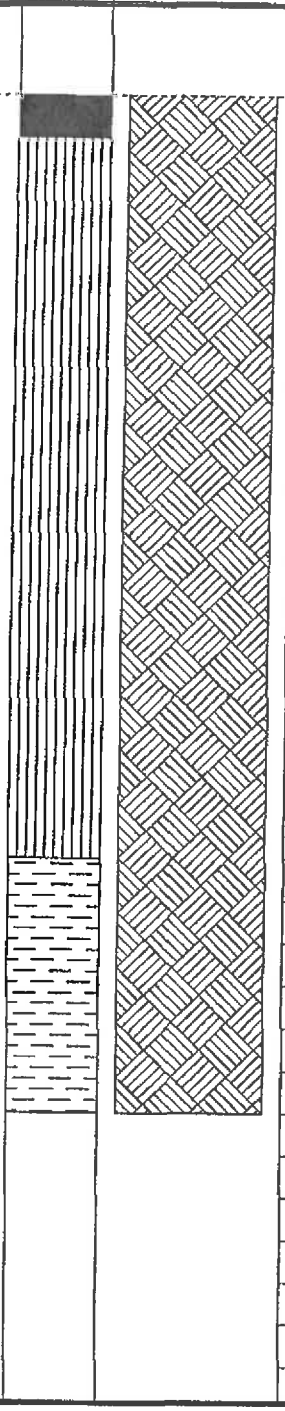
Boring ID SB-E

Location 5813 Shellmound Street, Emeryville, CA

Surface Elev. NA ft,



| Depth Feet | Blow Count | Sample Interval | Lithologic Description |
|---|---|---|---|
| 0 | Ground Surface | | |
| | | | ASPHALT |
| | | | Clayey SILT; (ML); Black; soft; wet; Medium to high plasticity; 30% clay, 40% silt, 15% sand, 15% gravel; Low estimated hydraulic conductivity. |
| 5 | | | |
| 10 | | | Organic CLAY; (OL); Black; very soft; wet; Low to medium plasticity; 60% clay, 30% silt, 10% gravel; Low estimated hydraulic conductivity. |
| 15 | | | |




Additional Comments: Bottom of boring

Driller Soils Exploration

Logged By NSM

Water-Bearing Zones

Drilling Started 9/22/94

Drilling Completed 9/22/94

Grout Type Portland Type I/II

Notes: Southeast of SB-D

BOR 19122 2/24/95

Cambria Environmental Technology, Inc.

**DRILLING LOG**

Client: **Crosby, Heafey, Roach, and May**

Project No: Phase Task **010**

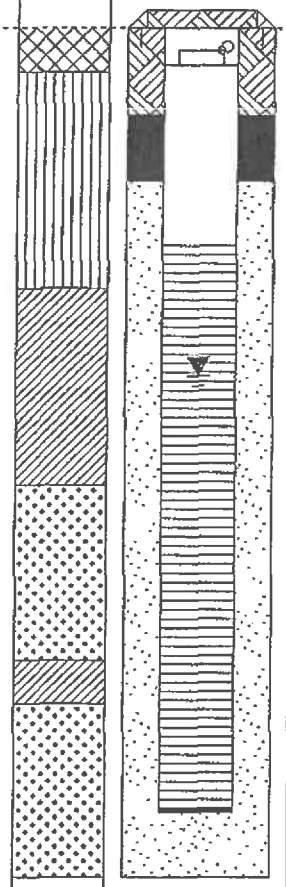
Well ID **C-1** Boring ID **C-1**

Location **5813 Shellmound Street, Emeryville, CA**

Surface Elev. **NA ft,** Page **1** of **1**

| Depth Feet | Blow Count | Sample | Interval | Lithologic Description |
|---|---|---|---|---|
| 0 | Ground Surface | | | |
| | | | | **CONCRETE** |
| | | | | **Gravelly SILT**: (ML); Grayish Brown; damp; 50% silt, 10% sand, 40% gravel; Moderate estimated hydraulic conductivity. |
| 5 | | | | |
| | | | | **Silty CLAY**: (CL); Grayish black; wet; Moderate plasticity; 50% clay, 20% silt, 10% sand, 20% gravel; Low estimated hydraulic conductivity. |
| | 6 6 6 | | | |
| 10 | | | | |
| | 1 3 8 | | | **SAND**: (SW); Brown; soft; damp; low plasticity; 10% clay, 30% silt; 30% sand, 30% gravel; Low estimated hydraulic conductivity |
| 15 | | | | **CLAY stringer** |
| | 4 5 6 | | | **Gravelly SAND**: (SW); Brown; Medium dense; wet; 20% clay, 10% silt, 50% sand, 20% gravel; Moderate estimated hydraulic conductivity |
| | 3 6 9 | | | |
| 20 | | | | |
| 25 | | | | |

TPHg (ppm) | Graphic Log | Well Construction Graphics



| Depth Feet | Well Construction Details |
|---|---|
| 0 | T.O.C. Elev. NA |
| | locking well cap with traffic-rated vault |
| 5 | |
| 10 | |
| 15 | |
| 20 | Bottom of well |
| 25 | |

Driller **Soils Exploration**

Logged By **BGW**

Drilling Started **12/9/94**

Drilling Completed **12/9/94**

Construction Completed **12/9/94**

Development Completed

Water Bearing Zones

Development Yield

Well Casing **2"** Dia. **0'** to **5'**

Casing Type **Schedule 40 PVC**

Well Screen **2"** Dia. **5'** to **18'**

Screen Type **Schedule 40 PVC**

Slot Size **0.010-inch**

Drilling Mud

Grout Type **Portland I/II**

Bentonite Seal **2' to 4'**

Sand Pack **Monterey Sand**

Sand Pack Type **#2/16**

Static Water Level **8.00** ft Depth

Date

Notes: **East side of site**

WELL 19122 2/27/95

**Cambria Environmental Technology, Inc.**

# DRILLING LOG

Client: Crosby, Heafey, Roach, and May

Project No: Phase Task 010

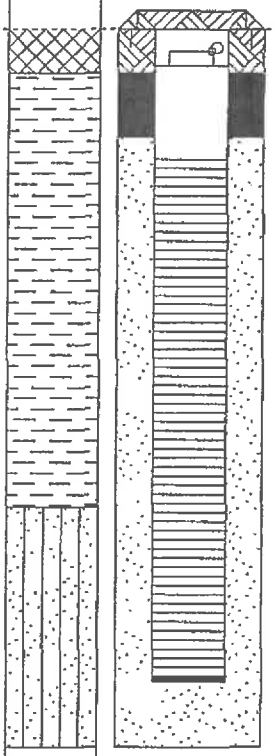
Well ID C-2 Boring ID C-2

Location 5813 Shellmound Street, Emeryville, CA

Surface Elev. NA ft, Page 1 of 1

| Depth Feet | Blow Count | Sample | Interval | Lithologic Description |
|---|---|---|---|---|
| 0 | Ground Surface | | | CONCRETE |
| | | | | Organic CLAY: (OL); Grayish black; damp; soft; medium plasticity; 50% clay, 20% silt, 20% sand, 10% gravel; Moderate estimated hydraulic conductivity. |
| 15 | | | | Silty SAND: (SM); Brown; moist; Moderate plasticity; 20% clay, 30% silt, 50% sand; Low estimated hydraulic conductivity. |
| 25 | | | | |

TPHg (ppm) | Graphic Log | Well Construction Graphics



| Depth Feet | Well Construction Details |
|---|---|
| | T.O.C. Elev. NA |
| 0 | Locking well cap with traffic-rated vault |
| 15 | Bottom of well |

| | | |
|---|---|---|
| Driller Soils Exploration | Development Yield | Bentonite Seal 2' to 3.5' |
| Logged By BGW | Well Casing 2" Dia. 0' to 3' | Sand Pack Monterey Sand |
| Drilling Started 12/9/94 | Casing Type Schedule 40 PVC | Sand Pack Type #2/16 |
| Drilling Completed 12/9/94 | Well Screen 2" Dia. 3' to 15' | Static Water Level ft Depth |
| Construction Completed 12/9/94 | Screen Type Schedule 40 PVC | Date |
| Development Completed | Slot Size 0.010-inch | Notes: Northwest side of site |
| Water Bearing Zones | Drilling Mud | |
| | Grout Type Portland I/II | |

WELL 19122 2/27/95

**Cambria Environmental Technology, Inc.**

DRILLING LOG

Client: Crosby, Heafey, Roach, and May

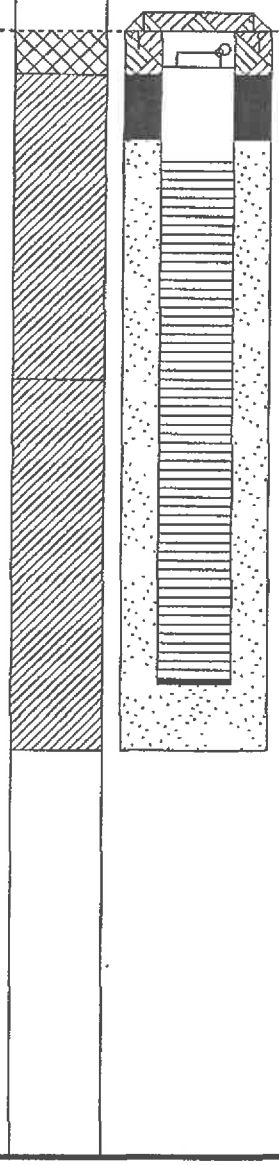
Project No: Phase Task 010

Well ID C-3 Boring ID C-3

Location 5813 Shellmound Street, Emeryville, CA

Surface Elev. NA ft, Page 1 of 1

| Depth Feet | Blow Count | Sample | Interval | Lithologic Description |
|---|---|---|---|---|
| 0 | Ground Surface | | | CONCRETE |
| | | | | Silty SAND; (SM); Black; moist; soft; low plasticity; 30% clay, 10% silt, 50% sand, 10% gravel; Low estimated hydraulic conductivity. |
| 10 | | | | Sandy CLAY; (CL); Grayish black; wet; medium plasticity; 40% clay, 20% silt, 40% sand; Low estimated hydraulic conductivity |
| 25 | | | | |




Well Construction Details

T.O.C. Elev. NA

Locking well cap with traffic-rated vault

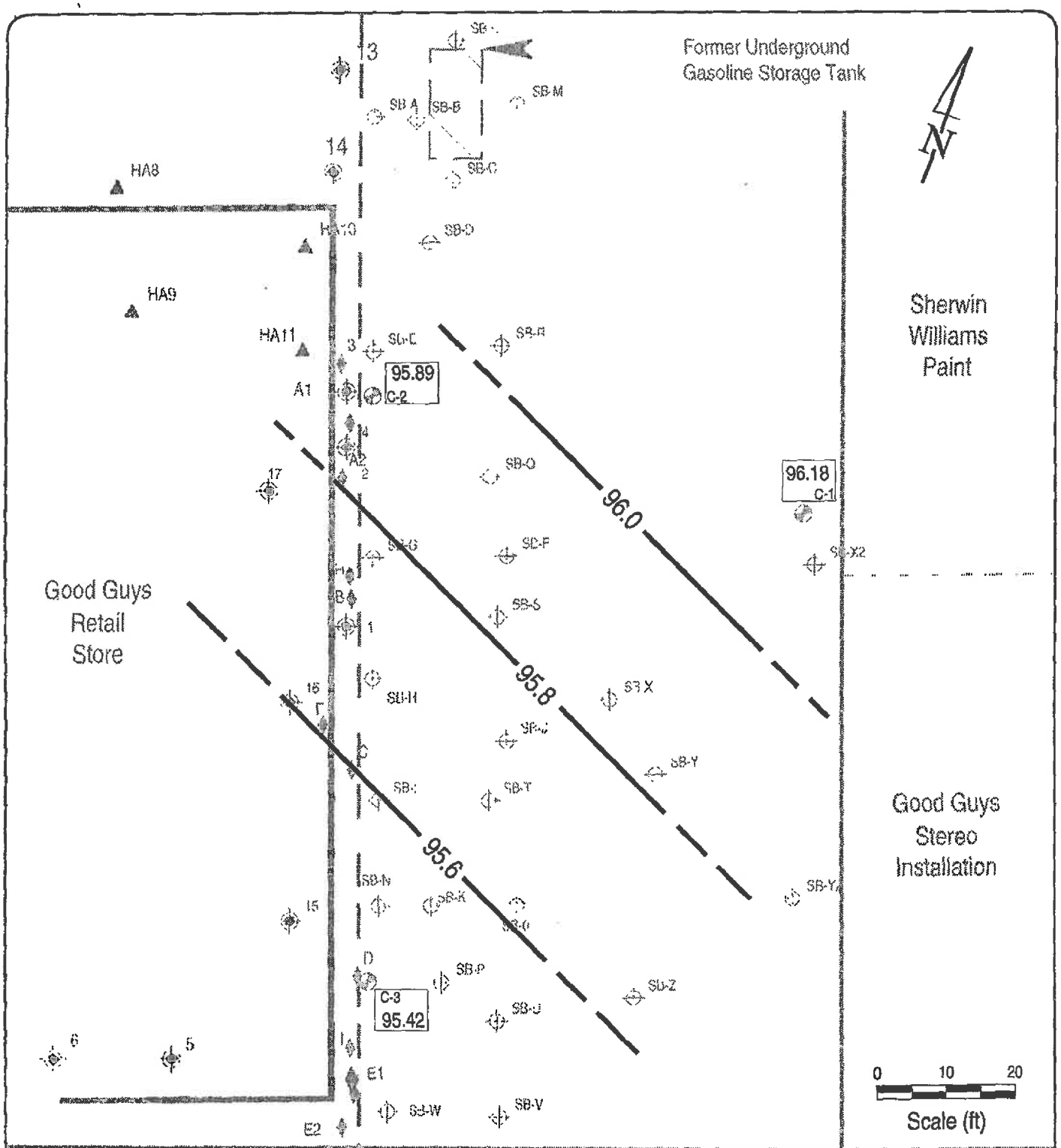
Bottom of well

| | | |
|---|---|---|
| Driller: Soils Exploration | Development Yield: | Bentonite Seal: 1' to 2.5' |
| Logged By: BGW | Well Casing: 2" Dia. 0' to 3' | Sand Pack: Monterey Sand |
| Drilling Started: 12/9/94 | Casing Type: Schedule 40 PVC | Sand Pack Type: #2/16 |
| Drilling Completed: 12/9/94 | Well Screen: 2" Dia. 3' to 15' | Static Water Level: ft Depth |
| Construction Completed: 12/9/94 | Screen Type: Schedule 40 PVC | Date: |
| Development Completed: | Slot Size: 0.010-Inch | Notes: Southwest side of site |
| Water Bearing Zones: | Drilling Mud: | |
| | Grout Type: Portland I/II | |

WELL 19122 2/27/95

Cambria Environmental Technology, Inc.

# ATTACHMENT 10




CAMBRIA
Environmental Technology, Inc.

EXPLANATION

XX.XX Ground Water Elevation (Arbitrary 100.00 ft. Onsite Datum)

Water Level Contour

Ground Water Elevations
December 16, 1994

5813-15 Shellmound Street
Emeryville, California

FIGURE
4

Table 5. Ground Water Elevation and Analytic Data for Hydrocarbons and Volatile Organic Compounds (VOCs)
- Lathrop Investigation, Emeryville, California

| Well ID | Date | Well Elev. (ft) | GW Depth ft) | GW Elev. (ft) | TPHcr | TPHg | B | T | E | X | VC | 1,1 DCE | 1,1 DCA | 1,2 DCE | 1,2 DCA | 1,1,1 TCA | TCE | CA | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | (Concentration in ug/l or parts per billion) | | | | | | | | |
| | 1/19/94 | | 6.30 | 2.32 | -- | 5,000 | 22 | 4,300 | 12 | 70 | nd | nd | nd | nd | nd | nd | nd | nd | |
| C-1 | 12/16/94 | 100.0 | 3.82 | 96 18 | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | |
| C-2 | 12/16/94 | 99.22 | 3.33 | 95.89 | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | |
| C-3 | 12/16/94 | 99.24 | 3.82 | 95.42 | 5.1 | 17 | 1,900 | 120 | 5.1 | 250 | nd | nd | nd | nd | nd | nd | nd | nd | |
| **LATHROP PROPERTY** | | | | | | | | | | | | | | | | | | | |
| **Sewer Water Entering Excavation** | | | | | | | | | | | | | | | | | | | |
| 1,500 | 10/26/89 | | | | -- | 2,800 | 32 | 240 | 61 | 400 | -- | -- | -- | -- | -- | -- | -- | -- | |
| **Cambria Boring Grab Samples** | | | | | | | | | | | | | | | | | | | |
| SB-B | 9/22/94 | | | | -- | 49 | nd | nd | nd | nd | -- | -- | -- | -- | -- | -- | -- | -- | |
| SB-C | 9/22/94 | | | | -- | 31 | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | 1.7 CF, a |
| SB-D | 9/22/94 | | | | -- | 19 | nd | 2.1 | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | 0.8 CF |
| SB-E | 9/22/94 | | | | -- | 38 | 0.78 | 1.2 | nd | 1.0 | 1.8 | nd | nd | nd | nd | nd | nd | nd | 0.7 CF |
| SB-G | 9/22/94 | | | | -- | 12,000 | 220 | 6,500 | 78 | 350 | 190 | 4.0 | 440 | 22 | 3.6 | 15 | 640 | nd | 1 9 TCA, |
| SB-H | 9/22/94 | | | | -- | 40,000 | 230 | 5,200 | 110 | 300 | 430 | 1.0 | 1,300 | 24 | 9 7 | 35 | 82 | nd | 0.6 TCA, |
| SB-K | 9/22/94 | | | | -- | 13,000 | 1,000 | nd | 140 | nd | -- | -- | -- | -- | -- | -- | -- | -- | d |
| SB-N | 9/22/94 | | | | -- | 38,000 | 8,100 | 1,500 | 550 | 570 | nd | nd | nd | nd | nd | nd | nd | nd | |
| SB-O | 9/22/94 | | | | -- | 1,500 | 4.8 | 1.0 | 7.3 | 10 | nd | nd | nd | nd | nd | nd | nd | nd | |
| SB-P | 9/22/94 | | | | -- | 21,000 | 1,500 | 150 | 260 | nd | nd | nd | 54 | nd | nd | nd | nd | nd | d |
| DTSC MCLs or State Action | | | | | -- | NE | 1 | 100 | 680 | 1,750 | -- | -- | -- | -- | -- | -- | -- | -- | |



Table continues on next page

Table 5. Ground Water Elevation and Analytic Data for Hydrocarbons and Volatile Organic Compounds (VOCs) - Lathrop Investigation, Emeryville, California

| Well ID | Date | Well Elev. (ft) | GW Depth ft) | GW Elev. (ft) | TPHcr | TPHg | B | T | E | X | VC | 1,1 DCE | 1,1 DCA | 1,2 DCE | 1,2 DCA | 1,1,1 TCA | TCE | CA | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | (Concentration in ug/l or parts per billion) | | | | | | | | |

Abbreviations

Well Elevation = Top of casing elevation with respect to onsite benchmark
GW = Ground water
LPH = Liquid-phase hydrocarbons; calculated ground water elevation corrected for LPH by the relation:
Ground Water Elevation = Well Elevation - Depth to Water + 0.8 LPH
TPHg = Total petroleum hydrocarbons as gasoline by modified EPA Method 8015
B = Benzene by EPA Method 8020
E = Ethylbenzene by EPA Method 8020
T = Toluene by EPA Method 8020
X = Xylenes by EPA Method 8020
nd = Not detected, detection limit not reported by consultant
DTSC MCLs = Department of ToxicSubstances Control maximum contaminant level for drinking water
NE = Not established
VC = Vinyl chloride
1,1 DCE = 1,1 dichloroethene
1,1 DCA = 1,1 dichloroethane
1,2 DCE = Trans 1,2 dichloroethene
1,1,1 TCA = 1,1,1 trichloroethane
TCA = 1,1,2 trichloroethane
TCE = Trichloroethene
CA = Chloroethane
CF = Chloroform
PCE = Tetrachloroethene
-- = Constituent not analyzed.

Notes

a = 0.7 ppm BDCA
b = 2, 400 cis-1,2 - dichloroethane, 0.5 tetrachlorethene, 1.9 1,1,2 - trichlorethane.
c = 830 ppm cis- 1,2 - dichlorethene.
d = the positive result has an atypical pattern for gasoline analysis.
* = BTEX do not match gasoline pattern.

Ref: Lathrop/Emeryville

SAMPLE DESCRIPTION: SB-B
Date Taken: 09/22/1994
Time Taken: 16:50
NET Sample No: 217438

| Parameter | Results | Flags | Reporting Limit | Units | Method | Date Extracted | Date Analyzed |
|---|---|---|---|---|---|---|---|
| TPH (Gas/BTXE,Liquid) | | | | | | | |
| METHOD 5030/M8015 | -- | RSC | | | | | 09/30/1994 |
| DILUTION FACTOR* | 1 | | | | | | 09/30/1994 |
| as Gasoline | 0.049 | | 0.01 | mg/L | 5030 | | 09/30/1994 |
| METHOD 8020 (GC,Liquid) | -- | | | | | | 09/30/1994 |
| Benzene | ND | | 0.5 | ug/L | 8020 | | 09/30/1994 |
| Toluene | ND | | 0.5 | ug/L | 8020 | | 09/30/1994 |
| Ethylbenzene | ND | | 0.5 | ug/L | 8020 | | 09/30/1994 |
| Xylenes (Total) | ND | | 1.5 | ug/L | 8020 | | 09/30/1994 |
| SURROGATE RESULTS | -- | | | | | | 09/30/1994 |
| Bromofluorobenzene (SURR) | 98 | | | % Rec. | 5030 | | 09/30/1994 |

RSC : Refer to attached Sub-Contract Laboratory Report for QA data.

Client Name: Cambria Env. Technology
Client Acct: 98900
NET Job No: 94.04411

Date: 10/18/1994
ELAP Cert: 1386
Page: 45

Ref: Lathrop/Emeryville

SAMPLE DESCRIPTION: SB-C
Date Taken: 09/22/1994
Time Taken: 17:06
NET Sample No: 217439

| Parameter | Results | Flags | Reporting Limit | Units | Method | Date Extracted | Date Analyzed |
|---|---|---|---|---|---|---|---|
| TPH (Gas/BTXE,Liquid) | | | | | | | |
| METHOD 5030/M8015 | -- | RSC | | | | | 09/30/1994 |
| DILUTION FACTOR* | 1 | | | | | | 09/30/1994 |
| as Gasoline | 0.031 | | 0.01 | mg/L | 5030 | | 09/30/1994 |
| METHOD 8020 (GC,Liquid) | -- | | | | | | 09/30/1994 |
| Benzene | ND | | 0.5 | ug/L | 8020 | | 09/30/1994 |
| Toluene | ND | | 0.5 | ug/L | 8020 | | 09/30/1994 |
| Ethylbenzene | ND | | 0.5 | ug/L | 8020 | | 09/30/1994 |
| Xylenes (Total) | ND | | 1.5 | ug/L | 8020 | | 09/30/1994 |
| SURROGATE RESULTS | -- | | | | | | 09/30/1994 |
| Bromofluorobenzene (SURR) | 101 | | | % Rec. | 5030 | | 09/30/1994 |

RSC : Refer to attached Sub-Contract Laboratory Report for QA data.

Ref: Lathrop/Emeryville

SAMPLE DESCRIPTION: SB-C
Date Taken: 09/22/1994
Time Taken: 17:06
NET Sample No: 217439

| Parameter | Results | Flags | Reporting Limit | Units | Method | Date Extracted | Date Analyzed |
|---|---|---|---|---|---|---|---|
| METHOD 8010 (GC,Liquid) | | | | | | | |
| DILUTION FACTOR* | 1 | | | | | | 09/27/1994 |
| Bromodichloromethane | 0.7 | | 0.5 | ug/L | 8010 | | 09/27/1994 |
| Bromoform | ND | | 1.0 | ug/L | 8010 | | 09/27/1994 |
| Bromomethane | ND | | 1.0 | ug/L | 8010 | | 09/27/1994 |
| Carbon tetrachloride | ND | | 0.5 | ug/L | 8010 | | 09/27/1994 |
| Chlorobenzene | ND | | 0.5 | ug/L | 8010 | | 09/27/1994 |
| Chloroethane | ND | | 1.0 | ug/L | 8010 | | 09/27/1994 |
| 2-Chloroethylvinyl ether | ND | | 1.0 | ug/L | 8010 | | 09/27/1994 |
| Chloroform | 1.7 | | 0.5 | ug/L | 8010 | | 09/27/1994 |
| Chloromethane | ND | | 1.0 | ug/L | 8010 | | 09/27/1994 |
| Dibromochloromethane | ND | | 0.5 | ug/L | 8010 | | 09/27/1994 |
| 1,2-Dichlorobenzene | ND | | 0.5 | ug/L | 8010 | | 09/27/1994 |
| 1,3-Dichlorobenzene | ND | | 0.5 | ug/L | 8010 | | 09/27/1994 |
| 1,4-Dichlorobenzene | ND | | 0.5 | ug/L | 8010 | | 09/27/1994 |
| Dichlorodifluoromethane | ND | | 1.0 | ug/L | 8010 | | 09/27/1994 |
| 1,1-Dichloroethane | ND | | 0.5 | ug/L | 8010 | | 09/27/1994 |
| 1,2-Dichloroethane | ND | | 0.5 | ug/L | 8010 | | 09/27/1994 |
| 1,1-Dichloroethene | ND | | 0.5 | ug/L | 8010 | | 09/27/1994 |
| trans-1,2-Dichloroethene | ND | | 0.5 | ug/L | 8010 | | 09/27/1994 |
| 1,2-Dichloropropane | ND | | 0.5 | ug/L | 8010 | | 09/27/1994 |
| cis-1,3-Dichloropropene | ND | | 0.5 | ug/L | 8010 | | 09/27/1994 |
| trans-1,3-Dichloropropene | ND | | 0.5 | ug/L | 8010 | | 09/27/1994 |
| Methylene chloride | ND | | 5.0 | ug/L | 8010 | | 09/27/1994 |
| 1,1,2,2-Tetrachloroethane | ND | | 0.5 | ug/L | 8010 | | 09/27/1994 |
| Tetrachloroethene | ND | | 0.5 | ug/L | 8010 | | 09/27/1994 |
| 1,1,1-Trichloroethane | ND | | 0.5 | ug/L | 8010 | | 09/27/1994 |
| 1,1,2-Trichloroethane | ND | | 0.5 | ug/L | 8010 | | 09/27/1994 |
| Trichloroethene | ND | | 0.5 | ug/L | 8010 | | 09/27/1994 |
| Trichlorofluoromethane | ND | | 1.0 | ug/L | 8010 | | 09/27/1994 |
| Vinyl chloride | ND | | 1.0 | ug/L | 8010 | | 09/27/1994 |
| SURROGATE RESULTS | -- | | | | | | 09/27/1994 |
| 2-Chlorotoluene (SURR) | 111 | | | % Rec. | | | 09/27/1994 |

Ref: Lathrop/Emeryville

SAMPLE DESCRIPTION: SB-D
Date Taken: 09/22/1994
Time Taken: 17:11
NET Sample No: 217440

| Parameter | Results | Flags | Reporting Limit | Units | Method | Date Extracted | Date Analyzed |
|---|---|---|---|---|---|---|---|
| TPH (Gas/BTXE,Liquid) | | | | | | | |
| METHOD 5030/M8015 | -- | RSC | | | | | 09/30/1994 |
| DILUTION FACTOR* | 1 | | | | | | 09/30/1994 |
| as Gasoline | 0.019 | | 0.01 | mg/L | 5030 | | 09/30/1994 |
| METHOD 8020 (GC,Liquid) | -- | | | | | | 09/30/1994 |
| Benzene | ND | | 0.5 | ug/L | 8020 | | 09/30/1994 |
| Toluene | 2.1 | | 0.5 | ug/L | 8020 | | 09/30/1994 |
| Ethylbenzene | ND | | 0.5 | ug/L | 8020 | | 09/30/1994 |
| Xylenes (Total) | ND | | 1.5 | ug/L | 8020 | | 09/30/1994 |
| SURROGATE RESULTS | -- | | | | | | 09/30/1994 |
| Bromofluorobenzene (SURR) | 102 | | | % Rec. | 5030 | | 09/30/1994 |

RSC : Refer to attached Sub-Contract Laboratory Report for QA data.

Ref: Lathrop/Emeryville

SAMPLE DESCRIPTION: SB-D
Date Taken: 09/22/1994
Time Taken: 17:11
NET Sample No: 217440

| Parameter | Results | Flags | Reporting Limit | Units | Method | Date Extracted | Date Analyzed |
|---|---|---|---|---|---|---|---|
| METHOD 8010 (GC,Liquid) | | | | | | | |
| DILUTION FACTOR* | 1 | | | | | | 09/27/1994 |
| Bromodichloromethane | ND | | 0.5 | ug/L | 8010 | | 09/27/1994 |
| Bromoform | ND | | 1.0 | ug/L | 8010 | | 09/27/1994 |
| Bromomethane | ND | | 1.0 | ug/L | 8010 | | 09/27/1994 |
| Carbon tetrachloride | ND | | 0.5 | ug/L | 8010 | | 09/27/1994 |
| Chlorobenzene | ND | | 0.5 | ug/L | 8010 | | 09/27/1994 |
| Chloroethane | ND | | 1.0 | ug/L | 8010 | | 09/27/1994 |
| 2-Chloroethylvinyl ether | ND | | 1.0 | ug/L | 8010 | | 09/27/1994 |
| Chloroform | 0.8 | | 0.5 | ug/L | 8010 | | 09/27/1994 |
| Chloromethane | ND | | 1.0 | ug/L | 8010 | | 09/27/1994 |
| Dibromochloromethane | ND | | 0.5 | ug/L | 8010 | | 09/27/1994 |
| 1,2-Dichlorobenzene | ND | | 0.5 | ug/L | 8010 | | 09/27/1994 |
| 1,3-Dichlorobenzene | ND | | 0.5 | ug/L | 8010 | | 09/27/1994 |
| 1,4-Dichlorobenzene | ND | | 0.5 | ug/L | 8010 | | 09/27/1994 |
| Dichlorodifluoromethane | ND | | 1.0 | ug/L | 8010 | | 09/27/1994 |
| 1,1-Dichloroethane | ND | | 0.5 | ug/L | 8010 | | 09/27/1994 |
| 1,2-Dichloroethane | ND | | 0.5 | ug/L | 8010 | | 09/27/1994 |
| 1,1-Dichloroethene | ND | | 0.5 | ug/L | 8010 | | 09/27/1994 |
| trans-1,2-Dichloroethene | ND | | 0.5 | ug/L | 8010 | | 09/27/1994 |
| 1,2-Dichloropropane | ND | | 0.5 | ug/L | 8010 | | 09/27/1994 |
| cis-1,3-Dichloropropene | ND | | 0.5 | ug/L | 8010 | | 09/27/1994 |
| trans-1,3-Dichloropropene | ND | | 0.5 | ug/L | 8010 | | 09/27/1994 |
| Methylene chloride | ND | | 5.0 | ug/L | 8010 | | 09/27/1994 |
| 1,1,2,2-Tetrachloroethane | ND | | 0.5 | ug/L | 8010 | | 09/27/1994 |
| Tetrachloroethene | ND | | 0.5 | ug/L | 8010 | | 09/27/1994 |
| 1,1,1-Trichloroethane | ND | | 0.5 | ug/L | 8010 | | 09/27/1994 |
| 1,1,2-Trichloroethane | ND | | 0.5 | ug/L | 8010 | | 09/27/1994 |
| Trichloroethene | ND | | 0.5 | ug/L | 8010 | | 09/27/1994 |
| Trichlorofluoromethane | ND | | 1.0 | ug/L | 8010 | | 09/27/1994 |
| Vinyl chloride | ND | | 1.0 | ug/L | 8010 | | 09/27/1994 |
| SURROGATE RESULTS | -- | | | | | | 09/27/1994 |
| 2-Chlorotoluene (SURR) | 100 | | | % Rec. | | | 09/27/1994 |

**Table 1. Ground Water Elevation and Analytic Data for Petroleum Hydrocarbons - Lathrop Investigation, 5813-15 Shellmound St., Emeryville, California**

| Sample ID | Date Sampled | TOC Elevation (ft) | GW Depth (ft) | GW Elevation (ft) | TPHcr | TPHd | TPHmo | TPHg | Benzene | Toluene | Ethyl-benzene | Xylenes | MTBE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | ← (Concentrations in ug/L) → | | | | | | | | |
| *Grab Ground Water Analytic Data* | | | | | | | | | | | | | |
| SB-BB | 02/25/97 | — | — | — | 35,000 | <500 | <5,000 | 790 | 4.0 | 2.1 | 9.3 | 7.5 | <2.0 |
| *Quarterly Monitoring* | | | | | | | | | | | | | |
| C-1 | 12/16/94 | 100.00 | 3.82 | 96.18 | <500 | NA | NA | <50 | <0.5 | <0.5 | <0.5 | <0.5 | NA |
| | 03/19/97 | | 4.21 | 95.79 | <500 | 590[a] | 750 | <50 | <0.50 | <0.50 | <0.50 | 0.6 | <2.0 |
| | 05/30/97 | | 5.45 | 94.55 | <1,000 | 1,100[a] | 2,600 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.0 |
| | 07/03/97 | | 5.67 | 94.33 | <2,000 | 2,600[a] | 3,900 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.0 |
| | 08/07/97 | | 5.86 | 94.14 | <2,000 | 3,700[a] | 8,200 | <50 | <0.50 | <0.50 | <0.50 | 1.5 | <2.0 |
| C-2 | 12/16/94 | 99.22 | 3.33 | 95.89 | <500 | NA | NA | <50 | <0.5 | <0.5 | <0.5 | <0.5 | NA |
| | 03/19/97 | | 3.61 | 95.61 | <500 | 590[a] | 790 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.0 |
| | 05/30/97 | | 5.94 | 93.28 | <500 | 650[a] | 1,200 | <50 | 1.1 | <0.50 | 0.6 | <0.50 | <2.0 |
| | 07/03/97 | | 4.91 | 94.31 | <500 | 1,000[a] | 1,200 | <50 | 1.1 | <0.50 | 1.4 | <0.50 | <2.0 |
| | 08/07/97 | | 5.12 | 94.10 | <500 | 810[a] | 1,200 | <50 | 0.71 | <0.50 | 2.0 | <0.50 | <2.0 |
| C-3 | 12/16/94 | 99.24 | 3.82 | 95.42 | 5,100 | NA | NA | 17,000 | 1,900 | 120 | 5.1 | 250 | NA |
| | 03/19/97 | | 5.82 | 93.42 | 10,000 | 250 | <2,500 | 9,600 | 1,300 | 120 | 170 | 150 | <20 |
| | 05/30/97 | | 5.19 | 94.05 | 21,000 | <500 | <5,000 | 16,000 | 1,700 | 230 | 320 | 230 | <100 |
| | 07/03/97 | | 6.31 | 92.93 | 25,000 | <500 | <5,000 | 21,000 | 1,400 | 160 | 300 | 200 | <200 |
| | 08/07/97 | | 6.44 | 92.80 | 24,000 | <1,000 | <5,000 | 15,000 | 1,200 | 110 | 260 | 170 | <2.0 |
| C-4 | 03/19/97 | 98.64 | 6.46 | 92.18 | 25,000 | <500 | <5,000 | 5,400 | 540 | 19 | 62 | 87 | <20 |
| | 05/30/97 | | 6.52 | 92.12 | 25,000 | <500 | <5,000 | 8,800 | 470 | 22 | 170 | 97 | <40 |
| | 07/03/97 | | 6.52 | 92.12 | 16,000 | <500 | <5,000 | 6,800 | 470 | 12 | 140 | 74 | <40 |
| | 08/07/97 | | 6.54 | 92.10 | 18,000 | <1,000 | <5,000 | 4,900 | 360 | 13 | 120 | 67 | <20 |

**Table 1. Ground Water Elevation and Analytic Data for Petroleum Hydrocarbons** - Lathrop Investigation, 5813-15 Shellmound St., Emeryville, California

| Sample ID | Date Sampled | TOC Elevation (ft) | GW Depth (ft) | GW Elevation (ft) | TPHcr | TPHd | TPHmo | TPHg | Benzene | Toluene | Ethyl-benzene | Xylenes | MTBE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | ← (Concentrations in ug/L) → | | | | | | | | |

**Abbreviations and Notes:**

ug/L = Micrograms per liter
ft = feet
NA = Not Analyzed
TOC = Top of Casing
a = The result appears to be a heavier hydrocarbon than diesel

TPHcr = Total petroleum hydrocarbons as creosote by modified EPA Method 8015
TPHmo = Total petroleum hydrocarbons as motor oil by modified EPA Method 8015
TPHg = Total petroleum hydrocarbons as gasoline by modified EPA Method 8015
TPHd = Total petroleum hydrocarbons as diesel by modified EPA Method 8015
Benzene , Ethylbenzene, Toluene, and Xylenes by EPA Method 8020
MTBE = Methyl Tertiary-Butyl Ether by EPA Method 8020

**Table 2. Ground Water Elevation and Analytic Data for Semi-Volatile Organic Compounds (including PNAs) - Lathrop Investigation, 5813-15 Shellmound Street, Emeryville, California**

| Sample ID | Date Sampled | TOC Elevation (ft) | GW Depth (ft) | GW Elevation (ft) | Acenaphthene | Acenaphthylene | Anthracene | Benzo(a)anthracene | Benzo(a)pyrene | Benzo(g,h,i)perylene | Chrysene | Fluoranthene | Fluorene | 2-Methylnaphthalene | Naphthalene | Phenanthrene | Pyrene | Additional Compounds Detected |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | (Concentrations in ug/L) | | | | | | | | | | | | | |
| ***Quarterly Sampling*** | | | | | | | | | | | | | | | | | | |
| C-1 | 12/16/94 | 100.00 | 3.82 | 96.18 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | |
| | 03/19/97 | | 4.21 | 95.79 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | |
| | 05/30/97 | | 5.45 | 94.55 | <11 | <11 | <11 | <11 | <11 | <11 | <11 | <11 | <11 | <11 | <11 | <11 | <11 | |
| | 07/03/97 | | 5.67 | 94.33 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | |
| | 08/07/97 | | 5.86 | 94.14 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | |
| C-2 | 12/16/94 | 99.22 | 3.33 | 95.89 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | |
| | 03/19/97 | | 3.61 | 95.61 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | |
| | 05/30/97 | | 5.94 | 93.28 | <9.3 | <9.3 | <9.3 | <9.3 | <9.3 | <9.3 | <9.3 | <9.3 | <9.3 | <9.3 | 11 | <10 | <10 | |
| | 07/30/97 | | 4.91 | 94.31 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <9.3 | <9.3 | <9.3 | <9.3 | |
| | 08/07/97 | | 5.12 | 94.10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | |
| C-3 | 12/16/94 | 99.24 | 3.82 | 95.42 | 150 | 780 | 37 | 7.2[f] | 8.5[f] | 7.3[f] | 20 | 50 | 110 | 490 | 11,000 | 260 | 61 | a |
| | 03/19/97 | | 5.82 | 93.42 | 570 | 310 | 140 | 49 | 95 | 86 | 130 | 210 | 170 | 360 | 12,000 | 560 | 240 | b |
| | 05/30/97 | | 5.19 | 94.05 | 800 | 550 | 410 | <100 | 350 | 230 | 430 | 850 | 330 | 680 | 11,000 | 1,200 | 1,000 | c |
| | 07/03/97 | | 6.31 | 92.93 | 2,400 | 520 | 1,200 | 600 | 850 | 850 | 1,200 | 2,900 | 670 | 760 | 16,000 | 4,700 | 3,100 | g |
| | 08/07/97 | | 6.44 | 92.80 | 930 | 300 | 270 | 180 | 230 | 220 | 280 | 550 | 240 | 460 | 12,000 | 1,200 | 810 | j |
| C-4 | 03/19/97 | 98.64 | 6.46 | 92.18 | 2,400 | 880 | 1,600 | 1,300 | 1,800 | 1,700 | 2,000 | 5,400 | 1,100 | 500 | 13,000 | 7,300 | 6,400 | d |
| | 05/30/97 | | 6.52 | 92.12 | 760 | 210 | 400 | <100 | 440 | 290 | 460 | 1,100 | 300 | 230 | 5,000 | 1,400 | 1,300 | e |
| | 07/03/97 | | 6.52 | 92.12 | 680 | 96 | 140 | 130 | 150 | 170 | 160 | 790 | 140 | 95 | 5,400 | 1,100 | 850 | h |
| | 08/07/97 | | 6.54 | 92.10 | 480 | 120 | 130 | 110 | 140 | 150 | 150 | 390 | 150 | 160 | 5,800 | 560 | 450 | k |

**Table 2. Ground Water Elevation and Analytic Data for Semi-Volatile Organic Compounds (including PNAs) - Lathrop Investigation, 5813-15 Shellmound Street, Emeryville, California**

| Sample ID | Date Sampled | TOC Elevation (ft) | GW Depth (ft) | GW Elevation (ft) | Acenaphth-ene | Acenaphth-ylene | Anthra-cene | Benzo-(a)anthra-cene | Benzo-(a)pyrene | Benzo-(g,h,i) perylene | Chrysene | Fluor-anthene | Fluorene | 2-Methyl-naphtha-lene | Naphtha-lene | Phenan-threne | Pyrene | Additional Compounds Detected |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | ← | | | | | (Concentrations in ug/L) | | | | | | | → | |

**Abbreviations and Notes:**

ug/L = Micrograms per liter

a = Dibenzofuran at 15 ug/L by EPA Method 8270

b = Benzo (b&k) fluoranthene detected at 110 ug/L by EPA Method 8270
= Dibenzofuran dectected at 25 ug/L by EPA Method 8270
= Indeno (1,2,3 - cd) pyrene dectected at 61 ug/L by EPA Method 8270

c = Benzo (b&k) fluoranthene detected at 450 ug/L by EPA Method 8270
= Ideno (1,2,3-cd) pyrene detected at 180 ug/L by EPA Method 8270

d = Benzo (b&k) fluoranthene detected at 2,300 ug/L by EPA Method 8270
= Dibenzo (a,h) anthracene detected at 260 ug/L by EPA Method 8270
= Dibenzofuran dectected at 110 ug/L by EPA Method 8270
= Indeno (1,2,3 - cd) pyrene detected at 1,200 ug/L by EPA Method 8270

e = Benzo (b&k) fluoranthene detected at 290 ug/L by EPA Method 8270
= Indeno (1,2,3-cd) pyrene detected at 230 ug/L by EPA Method 8270

f = Lab estimated value

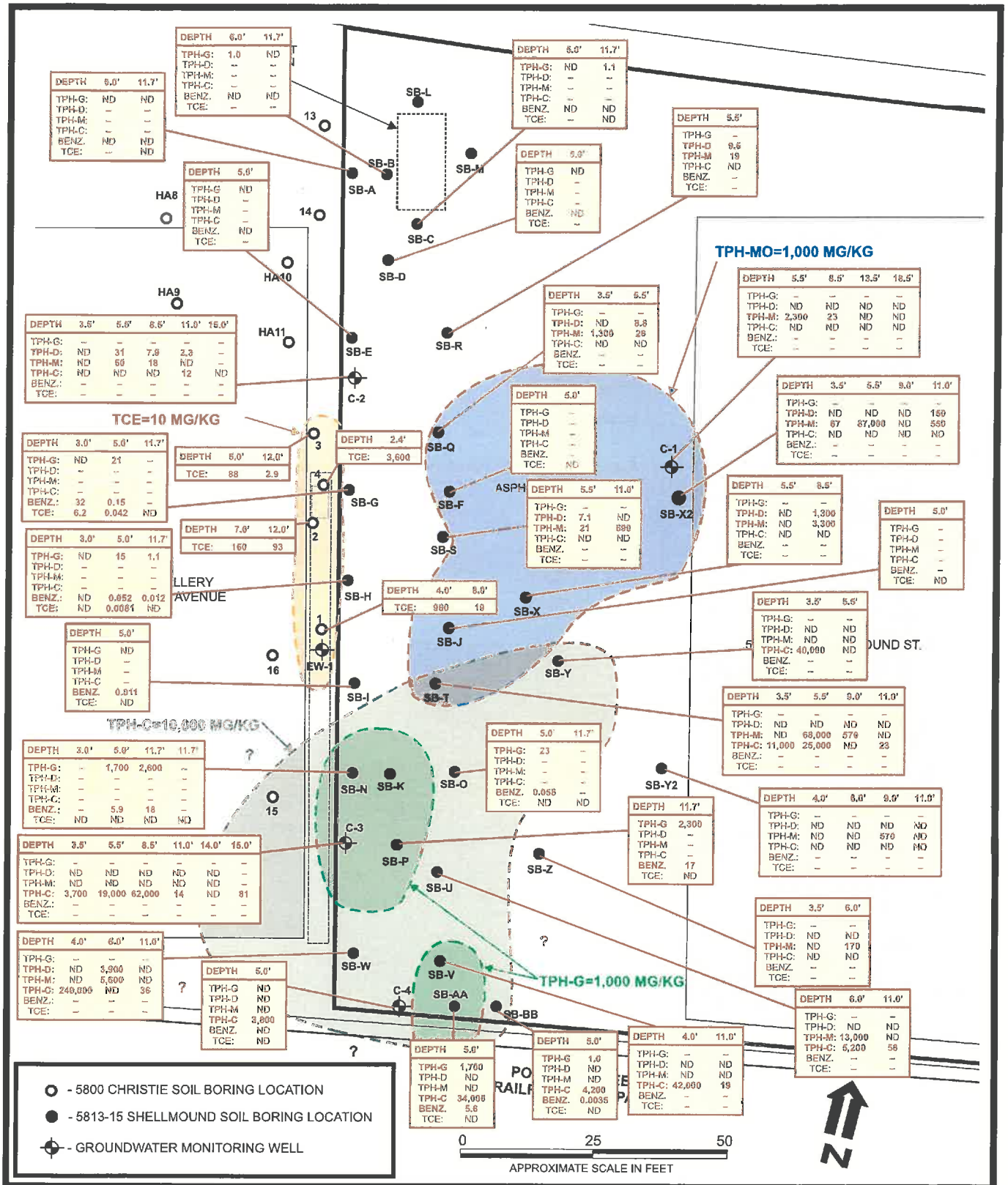
g = Benzo (b&k) fluoranthene detected at 1,100 ug/L by EPA Method 8270
= Dibenzo (a,h) anthracene detected at 110 ug/L by EPA Method 8270
= Dibenzofuran detected at 73 ug/L by EPA Method 8270
= Indeno (1,2,3-cd) pyrene detected at 610 ug/L by EPA Method 8270

h = Benzo (b&k) fluoranthene detected at 230 ug/L by EPA Method 8270
= Dibenzo (a,h) anthracene detected at 21 ug/L by EPA Method 8270
= Indeno (1,2,3-cd) pyrene detected at 120 ug/L by EPA Method 8270

j = Benzo (b&k) fluoranthene detected at 280 ug/L by EPA Method 8270
= Indeno (1,2,3-cd) pyrene detected at 160 ug/L by EPA Method 8270

k = Benzo (b&k) fluoranthene detected at 180 ug/L by EPA Method 8270
= Indeno (1,2,3-cd) pyrene detected at 110 ug/L by EPA Method 8270

# ATTACHMENT 11




| | | | | |
|---|---|---|---|---|
| DESIGNED BY: | CHECKED BY: JEG | SOIL HYDROCARBON RESULTS | DATE: 7/10/2017 | FIGURE: 4 |
| DRAWN BY: JEG | SCALE: | | | |
| PROJECT NO: | | 979 7TH STREET OAKLAND, CALIFORNIA | | |

Table 1. Soil Analytic Data for Hydrocarbons
- Lathrop Investigation, Emeryville, California

| Sample ID | Date Sampled | Sample Depth (ft) | TPHcr | TPHd | TPHmo | TPHg | Benzene | Toluene | Ethyl benzene | Xylenes |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | (Concentration in mg/kg or parts per million) | | | | |
| LATHROP (5813-5815 Shellmound) | | | | | | | | | | |
| **Tank Excavation Samples** | | | | | | | | | | |
| 1512 | 10/26/89 | ~4 | -- | -- | -- | nd | nd | nd | nd | nd |
| 1521 | 10/26/89 | ~4 | -- | -- | -- | nd | nd | nd | nd | nd |
| 1533-Comp | 10/26/89 | NA | -- | -- | -- | 23 | nd | nd | nd | 0.28 |
| **Cambria Borings (September 1994)** | | | | | | | | | | |
| SB-A | 09/22/94 | 5.0 | -- | -- | -- | nd | nd | nd | nd | nd |
| SB-A | 09/22/94 | 11.7 | -- | -- | -- | nd | nd | nd | nd | nd |
| SB-B | 09/22/94 | 6.0 | -- | -- | -- | 1.0 | nd | nd | nd | nd |
| SB-B | 09/22/94 | 11.7 | -- | -- | -- | nd | nd | nd | nd | nd |
| SB-C | 09/22/94 | 5.0 | -- | -- | -- | nd | nd | nd | nd | nd |
| SB-C | 09/22/94 | 11.7 | -- | -- | -- | 1.1 | nd | nd | nd | nd |
| SB-D | 09/22/94 | 5.0 | -- | -- | -- | nd | nd | nd | nd | nd |
| SB-E | 09/22/94 | 5.0 | -- | -- | -- | nd | nd | nd | nd | nd |
| SB-F | 09/22/94 | 5.0 | -- | -- | -- | -- | -- | -- | -- | -- |
| SB-G | 09/22/94 | 3.0 | -- | -- | -- | nd | 32 | 0.69 | 4.4 | nd |
| SB-G | 09/22/94 | 5.0 | -- | -- | -- | 21 | 0.15 | 3.4 | 0.13 | 1.2 |
| SB-G | 09/22/94 | 11.7 | -- | -- | -- | -- | -- | -- | -- | -- |
| SB-H | 09/22/94 | 3.0 | -- | -- | -- | nd | nd | 0.620 | 0.016 | 0.180 |
| SB-H | 09/22/94 | 5.0 | -- | -- | -- | 15 | 0.052 | 0.066 | 9.8 | 0.380 |
| SB-H | 09/22/94 | 11.7 | -- | -- | -- | 1.1 | 0.012 | 0.650 | nd | 0.010 |
| SB-I | 09/22/94 | 5.0 | -- | -- | -- | nd | 0.011 | 0.0037 | nd | nd |
| SB-J | 09/22/94 | 5.0 | -- | -- | -- | -- | -- | -- | -- | -- |



Table continued on next page

Table 1. Soil Analytic Data for Hydrocarbons
- Lathrop Investigation, Emeryville, California

| Sample ID | Date Sampled | Sample Depth (ft) | TPHcr | TPHd | TPHmo | TPHg | Benzene | Toluene | Ethyl benzene | Xylenes |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | (Concentration in mg/kg or parts per million) | | | | |
| SB-N | 09/22/94 | 3.0 | -- | -- | -- | -- | -- | -- | -- | -- |
| SB-N | 09/22/94 | 5.0 | -- | -- | -- | 1,700 | 5.9 | 2.7 | 10 | 9.8 |
| SB-N | 09/22/94 | 10.5 | -- | -- | -- | 2,600 | 18 | 7.3 | 12 | 14 |
| SB-N | 09/22/94 | 11.7 | -- | -- | -- | -- | -- | -- | -- | -- |
| SB-O | 09/22/94 | 5.0 | -- | -- | -- | 23 | 0.058 | 0.034 | 0.170 | 0.230 |
| SB-O | 09/22/94 | 11.7 | -- | -- | -- | -- | -- | -- | -- | -- |
| SB-P | 09/22/94 | 11.7 | -- | -- | -- | 2,300 | 17 | 1.8 | 13 | 10 |
| **Cambria Borings (December 1994)** | | | | | | | | | | |
| SB-Q | 12/07/94 | 3.5 | nd | nd | 1,300 | -- | -- | -- | -- | -- |
| SB-Q | 12/07/94 | 5.5 | nd | 8.8 | 26 | -- | -- | -- | -- | -- |
| SB-R | 12/07/94 | 5.5 | nd | 9.6 | 19 | -- | -- | -- | -- | -- |
| SB-S | 12/07/94 | 5.5 | nd | 7.1 | 21 | -- | -- | -- | -- | -- |
| SB-S | 12/07/94 | 11 | nd | nd | 690 | -- | -- | -- | -- | -- |
| SB-T | 12/07/94 | 3.5 | 11,000 | nd | nd | -- | -- | -- | -- | -- |
| SB-T | 12/07/94 | 5.5 | 25,000 | nd | 68,000 | -- | -- | -- | -- | -- |
| SB-T | 12/07/94 | 9.0 | nd | nd | 570 | -- | -- | -- | -- | -- |
| SB-T | 12/07/94 | 11.0 | 23 | nd | nd | -- | -- | -- | -- | -- |
| SB-U | 12/07/94 | 6.0 | 5,200 | nd | 13,000 | -- | -- | -- | -- | -- |
| SB-U | 12/07/94 | 11.0 | 58 | nd | nd | -- | -- | -- | -- | -- |
| SB-V | 12/07/94 | 4.0 | 42,000 | nd | nd | -- | -- | -- | -- | -- |
| SB-V | 12/07/94 | 11.0 | 19 | nd | nd | -- | -- | -- | -- | -- |
| SB-W | 12/07/94 | 4.0 | 240,000 | nd | nd | -- | -- | -- | -- | -- |
| SB-W | 12/07/94 | 6.0 | nd | 3,900 | 5,600 | -- | -- | -- | -- | -- |
| SB-W | 12/07/94 | 11.0 | 36 | nd | nd | -- | -- | -- | -- | -- |
| SB-X | 12/08/94 | 5.5 | nd | nd | nd | -- | -- | -- | -- | -- |
| SB-X | 12/08/94 | 8.5 | nd | 1,300 | 3,300 | -- | -- | -- | -- | -- |
| SB-X2 | 12/08/94 | 3.5 | nd | nd | 67 | -- | -- | -- | -- | -- |



Table continued on next page

Table 1. Soil Analytic Data for Hydrocarbons
- Lathrop Investigation, Emeryville, California

| Sample ID | Date Sampled | Sample Depth (ft) | TPHcr | TPHd | TPHmo | TPHg | Benzene | Toluene | Ethyl benzene | Xylenes |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | (Concentration in mg/kg or parts per million) | | | | |
| SB-X2 | 12/08/94 | 5.5 | nd | nd | 87,000 | -- | -- | -- | -- | -- |
| SB-X2 | 12/08/94 | 9.0 | nd | nd | nd | -- | -- | -- | -- | -- |
| SB-X2 | 12/08/94 | 11.0 | nd | 150 | 550 | -- | -- | -- | -- | -- |
| SB-Y | 12/08/94 | 3.5 | 40,000 | nd | nd | -- | -- | -- | -- | -- |
| SB-Y | 12/08/94 | 5.5 | nd | nd | nd | -- | -- | -- | -- | -- |
| SB-Y2 | 12/08/94 | 4.0 | nd | nd | nd | -- | -- | -- | -- | -- |
| SB-Y2 | 12/08/94 | 6.0 | nd | nd | nd | -- | -- | -- | -- | -- |
| SB-Y2 | 12/08/94 | 9.0 | nd | nd | nd | -- | -- | -- | -- | -- |
| SB-Y2 | 12/08/94 | 11.0 | nd | nd | nd | -- | -- | -- | -- | -- |
| SB-Z | 12/08/94 | 3.5 | nd | nd | 170 | -- | -- | -- | -- | -- |
| SB-Z | 12/08/94 | 6.0 | nd | nd | nd | -- | -- | -- | -- | -- |
| C-1 | 12/09/94 | 5.5 | nd | nd | 2,300 | -- | -- | -- | -- | -- |
| C-1 | 12/09/94 | 8.5 | nd | nd | 23 | -- | -- | -- | -- | -- |
| C-1 | 12/09/94 | 13.5 | nd | nd | nd | -- | -- | -- | -- | -- |
| C-1 | 12/09/94 | 18.5 | nd | nd | nd | -- | -- | -- | -- | -- |
| C-2 | 12/09/94 | 3.5 | nd | nd | nd | -- | -- | -- | -- | -- |
| C-2 | 12/09/94 | 5.5 | nd | 31 | 50 | -- | -- | -- | -- | -- |
| C-2 | 12/09/94 | 8.5 | nd | 7.9 | 18 | -- | -- | -- | -- | -- |
| C-2 | 12/09/94 | 11.0 | 12 | 2.30 | nd | -- | -- | -- | -- | -- |
| C-2 | 12/09/94 | 15.0 | nd | -- | -- | -- | -- | -- | -- | -- |
| C-3 | 12/09/94 | 3.5 | 3,700 | nd | nd | -- | -- | -- | -- | -- |
| C-3 | 12/09/94 | 5.5 | 19,000 | nd | nd | -- | -- | -- | -- | -- |
| C-3 | 12/09/94 | 8.5 | 62,000 | nd | nd | -- | -- | -- | -- | -- |
| C-3 | 12/09/94 | 11.0 | 14 | nd | nd | -- | -- | -- | -- | -- |
| C-3 | 12/09/94 | 14.0 | nd | nd | nd | -- | -- | -- | -- | -- |
| C-3 | 12/09/94 | 15.0 | 81.00 | -- | -- | -- | -- | -- | -- | -- |



Table continued on next page

Table 1. Soil Analytic Data for Hydrocarbons
- Lathrop Investigation, Emeryville, California

| Sample ID | Date Sampled | Sample Depth (ft) | TPHcr | TPHd | TPHmo | TPHg | Benzene | Toluene | Ethyl benzene | Xylenes |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | (Concentration in mg/kg or parts per million) | | | |
| COLEY AND HERRING INVESTMENT (5800 Christie Street) | | | | | | | | | | |
| **Borings by Gils Associates** | | | | | | | | | | |
| 1 (9665) | 12/28/88 | 4.0 | -- | -- | -- | -- | nd | 1,400 | 3 | 8.4 |
| 1 (9666) | 12/28/88 | 6.0 | -- | -- | -- | -- | nd | 26 | nd | nd |
| 2 (9668) | 12/28/88 | 7.0 | -- | -- | -- | -- | nd | 87 | nd | nd |
| 2 (9667) | 12/28/88 | 12.0 | -- | -- | -- | 35 | nd | 56 | nd | nd |
| 3 (9669) | 12/28/88 | 5.0 | -- | -- | -- | -- | nd | 33 | nd | nd |
| 3 (9670) | 12/28/88 | 12.0 | -- | -- | -- | 1.4 | nd | 0.81 | nd | nd |
| 4 (9653) | 10/12/88 | 2.4 | -- | -- | -- | -- | nd | 2800 | 28 | 42 |
| 5 (9661) | 10/12/88 | 3.4 | -- | -- | -- | -- | nd | nd | nd | nd |
| 6 (9660) | 10/12/88 | 3.0 | -- | -- | -- | -- | nd | 0.0060 | nd | 0.0049 |
| 7 (9658) | 10/12/88 | 3.0 | -- | -- | -- | -- | nd | nd | nd | nd |
| 8 (9659) | 10/12/88 | 3.3 | -- | -- | -- | -- | nd | nd | nd | nd |
| 9 (9655) | 10/12/88 | 2.0 | -- | -- | -- | -- | nd | 0.0032 | nd | nd |
| 10 (9656) | 10/12/88 | 6.3 | -- | -- | -- | -- | nd | 0.0040 | nd | nd |
| 11 (9654) | 10/12/88 | 4.0 | -- | -- | -- | -- | nd | 0.0055 | nd | nd |
| 12 (9657) | 10/12/88 | 2.0 | -- | -- | -- | -- | nd | 0.0028 | nd | nd |
| 13 (9663) | 10/27/88 | 6.0 | -- | -- | -- | nd | nd | nd | nd | nd |
| 13 (9664) | 10/27/88 | 11.0 | -- | -- | -- | 3 | nd | nd | nd | nd |
| 14 (9662) | 10/27/88 | 11.0 | -- | -- | -- | 5 | nd | nd | nd | 0.057 |
| **McLaren Foundation Excavation Samples** | | | | | | | | | | |
| HA-1 | 04/14/89 | 2.3 | -- | -- | -- | -- | nd | 0.019 | nd | nd |
| HA-4 | 04/14/89 | 2.0 | -- | -- | -- | -- | nd | 0.16 | nd | nd |
| HA-5 | 04/14/89 | 2.7 | -- | -- | -- | -- | nd | 0.80 | nd | nd |
| HA-6 | 04/14/89 | 3.5 | -- | -- | -- | -- | nd | 0.12 | nd | nd |
| HA-7 | 04/14/89 | 3.5 | -- | -- | -- | -- | nd | 0.072 | nd | nd |



Table continued on next page

Table 1. Soil Analytic Data for Hydrocarbons
- Lathrop Investigation, Emeryville, California

| Sample ID | Date Sampled | Sample Depth (ft) | TPHcr | TPHd | TPHmo | TPHg | Benzene | Toluene | Ethyl benzene | Xylenes |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | (Concentration in mg/kg or parts per million) | | | |
| HA-8 | 04/14/89 | 3.5 | -- | -- | -- | -- | nd | 0.048 | nd | nd |
| HA-9 | 04/14/89 | 3.5 | -- | -- | -- | -- | nd | nd | nd | nd |
| HA-10 | 04/14/89 | 3.5 | -- | -- | -- | -- | nd | 0.049 | nd | nd |
| HA-11 | 04/14/89 | 2.5 | -- | -- | -- | -- | nd | 0.030 | nd | nd |
| **ETS Excavation Wall Samples** | | | | | | | | | | |
| A1 | 1989 | 5.0 | -- | -- | -- | -- | nd | nd | nd | nd |
| A2 | 1989 | 5.0 | -- | -- | -- | -- | nd | 0.11 | nd | nd |
| B | 1989 | 5.0 | -- | -- | -- | -- | nd | 180 | 3.8 | 28 |
| C | 1989 | 5.0 | -- | -- | -- | -- | nd | 320 | 9.3 | 48 |
| D | 1989 | 5.0 | -- | -- | -- | -- | nd | 1.8 | nd | nd |
| E1 | 1989 | 5.0 | -- | -- | -- | -- | 0.70 | 0.70 | 0 60 | 1.1 |
| E2 | 1989 | 5.0 | -- | -- | -- | -- | nd | nd | nd | nd |
| F | 1989 | 5.0 | -- | -- | -- | -- | nd | 2.700 | 14 | 35 |
| **Confirmation Borings After SVE** | | | | | | | | | | |
| G | 12/03/91 | 3-5 | -- | -- | -- | nd | nd | nd | nd | nd |
| H | 12/03/91 | 3-5 | -- | -- | -- | 1.5 | nd | 0.076 | 0.0062 | 0.10 |
| I | 12/03/91 | 3-5 | -- | -- | -- | nd | nd | nd | nd | nd |

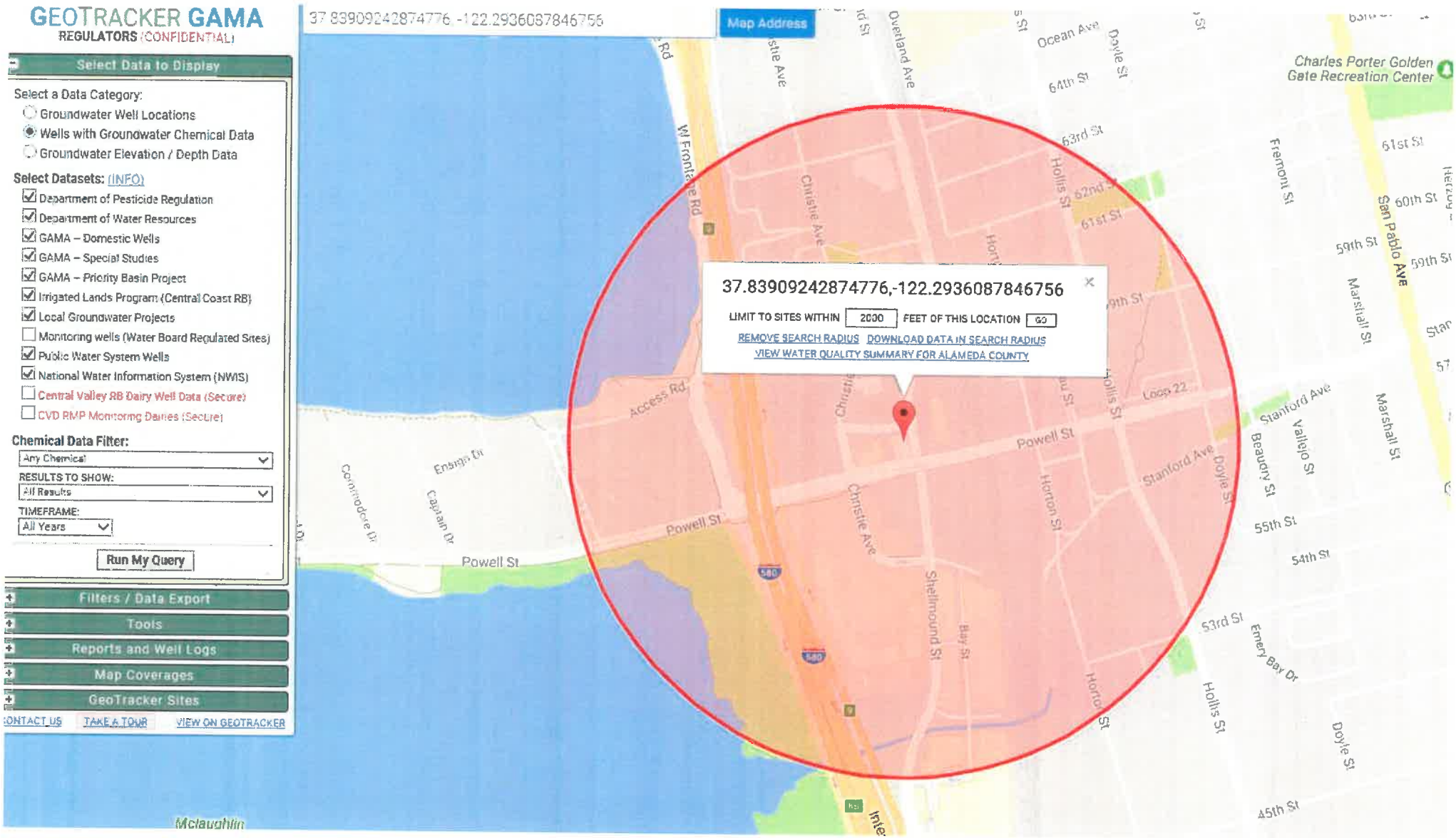
Abbreviations
TPHcr = Total petroleum hydrocarbons as creosote by EPA Method 5020, 5030 or by modified EPA Method 8015
TPHd = Total petroleum hydrocarbons as diesel by EPA Method 5020, 5030 or by modified EPA Method 8015
TPmo = Total petroleum hydrocarbons as motor oil by EPA Method 5020, 5030 or by modified EPA Method 8015
TPHg = Total petroleum hydrocarbons as gasoline by EPA Method 5020, 5030 or by modified EPA Method 8015
BTEX = BTEX compounds by EPA Method 601/8240 unless 8020/5030 performed also.
-- = Constituent not analyzed
nd = Not detected, or no limit given by previous consultant

Table 3. Soil Analytic Data for Polynucleararomatics (PNAs)
- Lathrop Investigation, Emeryville, California

| Sample ID | Date Sampled | Sample Depth (ft) | Acenaph-thene | Acenaph-thylene | Anthra-cene | Benzo-(a)an-thracene | Benzo-(b)fluor-anthene | Benzo-(k)fluor-anthene | Benzo-(a) pyrene | Benzo-(g,h.i) perylene | Chrysene | Fluor-anthene | Flourene | Indeno-(1,2,3-cd) pyrene | 2-Methyl-naphtha-lene | Naphtha-lene | Phenan-threne | Pyrene |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | (Concentration in mg/kg or parts per million) | | | | | | | | | | | | | | | |
| LATHROP (5813-5815 Shellmound) | | | | | | | | | | | | | | | | | | |
| Cambria, October 1994 | | | | | | | | | | | | | | | | | | |
| SB-G | 09/22/94 | 5.5 | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| SB-N | 09/22/94 | 10.5 | 380 | 2,100 | 960 | 1,100 | nd | nd | 1,100 | 880 | 870 | 500 | 880 | 650 | 740 | 5,900 | 3,800 | 2,800 |
| Cambria, December 1994 | | | | | | | | | | | | | | | | | | |
| SB-T | 12/07/94 | 5.5 | 720 | nd | 250 | 190 | 140 | 120 | 210 | 130 | 290 | 890 | 250 | 110* | 170 | 1,400 | 1,600 | 1 |
| SB-X2 | 12/08/94 | 5.5 | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| C-2 | 12/09/94 | 5.5 | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| C-3 | 12/07/94 | 5.5 | nd | 1,500 | 640 | 540 | 390 | 480 | 810 | 700 | 760 | 2,400 | 580 | 500 | 540 | 5,700 | 3,500 | 2,600 |
| C-3 | 12/07/94 | 14.0 | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| C-3 | 12/07/94 | 15.0 | 640 | 1,700 | 980 | 920 | 700 | 820 | 1,300 | 1,200 | 1,300 | 3,600 | 0,850 | 0,880 | 0,530 | 4,400 | 5,300 | 4,100 |

Abbreviations
nd = Not detected, or no limit given by previous consultant.
* = Lab estimated value.

# ATTACHMENT 12


GEOTRACKER GAMA
REGULATORS (CONFIDENTIAL)
Select Data to Display
Select a Data Category:
Groundwater Well Locations
Wells with Groundwater Chemical Data
Groundwater Elevation / Depth Data
Select Datasets: (INFO)
Department of Pesticide Regulation
Department of Water Resources
GAMA – Domestic Wells
GAMA – Special Studies
GAMA – Priority Basin Project
Irrigated Lands Program (Central Coast RB)
Local Groundwater Projects
Monitoring wells (Water Board Regulated Sites)
Public Water System Wells
National Water Information System (NWIS)
Central Valley RB Dairy Well Data (Secure)
CVD RMP Monitoring Dairies (Secure)
Chemical Data Filter:
Any Chemical
RESULTS TO SHOW:
All Results
TIMEFRAME:
All Years
Run My Query
Filters / Data Export
Tools
Reports and Well Logs
Map Coverages
GeoTracker Sites
CONTACT US
TAKE A TOUR
VIEW ON GEOTRACKER
37.83909242874776 -122.2936087846756
Map Address
37.83909242874776,-122.2936087846756
LIMIT TO SITES WITHIN 2000 FEET OF THIS LOCATION GO
REMOVE SEARCH RADIUS DOWNLOAD DATA IN SEARCH RADIUS
VIEW WATER QUALITY SUMMARY FOR ALAMEDA COUNTY
Charles Porter Golden Gate Recreation Center
Ocean Ave
64th St
63rd St
62nd St
61st St
60th St
59th St
Overland Ave
Doyle St
Christie Ave
Hollis St
Fremont St
San Pablo Ave
Marshall St
W Frontage Rd
Access Rd
Powell St
Stanford Ave
Loop 22
Ensign Dr
Commodore Dr
Captain Dr
Horton St
Shellmound St
Bay St
Beaudry St
Vallejo St
55th St
54th St
53rd St
Emery Bay Dr
45th St
Mclaughlin