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**5:52 pm, Jun 27, 2012**

Alameda County  
Environmental Health

June 21, 2012

Karel Detterman, P.G.  
Alameda County Health Care Services  
Environmental Protection  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577

**RE: Soil and Groundwater Investigation Work Plan**

**SITE: Kroger Residential Property**  
**725 Central Avenue, Alameda, California**  
**ACHCSA Fuel Leak Case No. RO0003071**  
**GGE Project 2043**

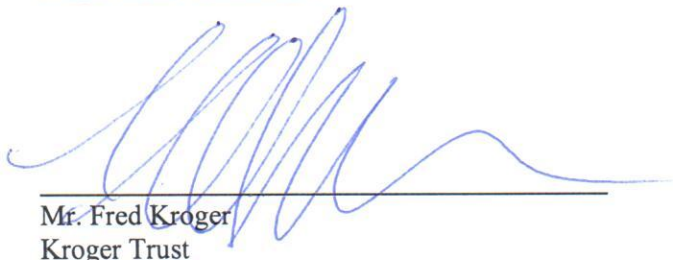
Dear Ms. Detterman:

Upon my authorization, Golden Gate Environmental, Inc. (GGE) has prepared a *Soil and Groundwater Investigation Work Plan* (Dated June 21, 2012) for the preliminary environmental site investigation activities proposed in the vicinity of the former 1,500-gallon diesel underground storage tank at the above-referenced property. The Alameda County Health Care Services Agency requested the preliminary site investigation work in a directive letter dated April 19, 2012.

GGE has uploaded an electronic copy of the document to the State Water Resources Control Board's GeoTracker Database System. Should you have any questions, please contact Mr. Brent Wheeler, Project Engineer of GGE at (415) 970-9088 at your convenience.

I declare, under penalty of perjury, that I have reviewed the attached *Soil and Groundwater Investigation Work Plan* and the information and/or proposed work scope contained in the document are true and correct to the best of my knowledge.

Respectfully Submitted,



Mr. Fred Kroger  
Kroger Trust

Distribution: (1) Addressee



## SOIL AND GROUNDWATER INVESTIGATION WORK PLAN

**Kroger Residential Property  
725 Central Avenue  
Alameda, California 94501  
ACHCSA RO0003071**

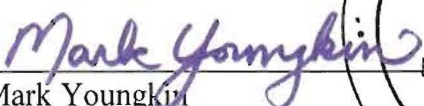
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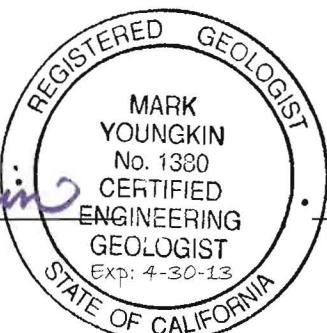
Mr. Fred Kroger  
P.O. Box 11244  
Piedmont, CA 94611


Prepared By:

Golden Gate Environmental, Inc.  
1455 Yosemite Avenue  
San Francisco, CA 94124

GGE Project No. 2043  
June 21, 2012

  
Mark Youngkin  
Registered Geologist  
CEG No. 1380



  
Brent A. Wheeler  
Project Engineer

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#### ATTACHMENTS:

ACHCSA Directive Letter – April 19, 2012

Figure 1 – Site Location Map

Figure 2 – Site Plan

Table 1 – Sampling Results Form (UST Closure – Sept. 2008)

# SOIL AND GROUNDWATER INVESTIGATION WORK PLAN

**Kroger Residential Property**  
**725 Central Avenue, Alameda, California 94501**  
**ACHCSA RO0003071**

## INTRODUCTION

### **Purpose**

On behalf of Mr. Fred Kroger, Golden Gate Environmental, Inc. (GGE) is pleased to submit this Soil and Groundwater Investigation Work Plan for the subject property located at 725 Central Avenue in Alameda, California (the Site). Based on the evidence of a release of diesel fuel observed during removal of one 1,500-gallon underground heating oil storage tank (UST) on September 23, 2008; the Alameda County Health Care Services Agency (ACHCSA) in their letter dated April 19, 2012, requested that a soil and groundwater investigation be conducted to evaluate the vertical extent of petroleum hydrocarbon-impacted soil and its potential impact to groundwater at the former UST location.

The purpose of this work plan is to describe the procedures and methods to advance three (3) subsurface soil borings in the direct vicinity of the former UST using percussion drilling techniques and perform soil and grab groundwater sampling activities. The investigation activities will be performed in general accordance with the State Water Resources Control Board's Leaking Underground Fuel Tank (LUFT) manual and the TRI-Regional Board Staff Recommendation for Preliminary Evaluation and Investigation of Underground Tank Sites. A copy of the April 19, 2012, ACHCSA Letter is attached to the work plan.

### **Site Location and Description**

The Site is located at the north side of Central Avenue, approximately 300 feet east of Webster Street, in the City and County of Alameda. The Site lies approximately 0.2 mile north-northeast and presumed up gradient from the San Francisco Bay (at Robert Crown Memorial State Beach Inlet). The location of the Site is shown in the attached Figure 1 - *Site Location Map*.

According to Figure 1, the elevation of the Site is estimated to be approximately 20 feet above Mean Sea Level. The Site consists of a rectangular multi-unit apartment building with a front landscaped area and an additional parking area in the rear. The Site occupies approximately 11,500 square feet (0.26 acre) in lot area and is currently owned by the Fred Kroger Trust (Alameda County Assessor Parcel 73-423-15-1).

The Site is relatively flat lying with the topographic relief generally directed towards the south-southwest (Figure 1), in the general direction of the San Francisco Bay. A multi-story, apartment building, approximately 7,000 square feet in area, is situated on the majority of the

Site, with a driveway on the west side of the building providing access for tenant vehicular parking in the rear of the property. The surface area leading to the rear garage and rear parking area are completely paved with concrete. The rear parking area is enclosed with cyclone fencing to the north and east, and a concrete cinderblock wall to the west (adjacent to the west side of the driveway leading to Central Avenue). The front entryway of the building is paved throughout with stamped concrete, with small landscaped/lawn areas on each side of the entryway (Figure 2). The City right of way sidewalk borders the south property line.

One 1,500-gallon underground diesel fuel storage tank (UST) was located beneath the sidewalk in front of the southeast corner of the Site and removed by Golden Gate Tank Removal, Inc. (GGTR) in September 2008. The attached Figure 2 - *Site Plan*, shows Site features and the approximate location of the former UST.

### **Site Geology and Hydrogeology**

According to a Geologic Map of the San Francisco-San Jose Quadrangle (California Department of Conservation, 1990), the Site lies on dune sand and artificial fill and underlain by up to 500 feet of Quaternary alluvial deposits (unconsolidated and dissected stream and basin deposits) and possibly marine sandstone, shale, cherts, and conglomerates of the Mesozoic Franciscan Complex (thickness not established). The geologic map also indicates that the Site is situated approximately 5 miles southwest and 16 miles northeast of the Hayward and San Andreas Fault Zones, respectively.

The Site is in the East Bay Plain groundwater basin according to the San Francisco Bay Basin Water Quality Control Plan prepared by the CRWQCB – Region 2, 1995. Groundwater in this basin is designated beneficial for municipal and domestic water supply and industrial process, service water, and agricultural water supply.

The regional groundwater flow direction in the vicinity of the Site is estimated to be toward the south-southeast, in the general direction of the San Francisco Bay and decreasing topographic relief. The depth to groundwater at the Site as well as the Site specific groundwater flow direction and gradient is unknown at this time. Based on information provided by the State Water Resources Control Board GeoTracker Database system, the depth to groundwater measured in active monitoring wells located at the northwest corner of Lincoln Avenue and Webster Street (Shell Service Station #13-5032; RO0002745) ranged between 6.5 and 8 fbg (February 2012). Also, the depth to groundwater measured in temporary borehole piezometers formerly located at the residential property at 757 Santa Clara Avenue (RO0002957), ranged between 7.4 and 8.3 fbg (March 2008). The nearest surface water body is the Robert Crown Memorial State Beach Inlet of the San Francisco Bay, located approximately 0.2 mile south-southwest of the Site (Figure 1).

### **Environmental Background**

On September 23, 2008, GGTR removed one 1,500-gallon diesel fuel UST at the approximate location shown in the attached Figure 2 – *Site Plan*. A discrete confirmation soil sample collected from the center of the excavation approximately 2 feet below the tank

bottom (@ 11 feet below grade (fbg)) and a four point composite soil sample collected from the excavation overburden stockpile, contained concentrations of total petroleum hydrocarbons as diesel (TPH-D) at <1.0 milligrams per kilograms (mg/kg) and 23 mg/kg, respectively. The laboratory indicated that the detectable concentration does not resemble the typical chromatographic pattern for diesel. The compounds benzene, toluene, ethylbenzene, and total xylenes (BTEX), methyl tertiary butyl ether (MTBE) and other fuel oxygenates were not detected in the confirmation soil sample or the composite soil sample. Groundwater was not encountered during the UST removal and sampling activities. Figure 2, attached, depicts the approximate location of the discrete and stockpile confirmation soil samples. The attached Table 1 - Sampling Results Form, summarizes the results of the UST removal samples collected in September 2008.

During removal activities, the subsurface product piping extending between the top of the tank and the foundation of the exterior building structure was cut at each end, drained of any residual product and removed from the excavation area. The subsurface piping remaining in place was filled with concrete and capped. No fuel dispenser was located onsite. With the approval of Mr. Robert Weston of the ACHCSA, GGTR backfilled the excavation with the UST excavation overburden soil (3-9 fbg) and clean imported Class II baserock (0.5-3 fbg), and the overlying sidewalk was replaced with concrete according to City of Alameda Department of Public Works (CADPW) requirements. UST removal and sampling activities were conducted under the direct supervision of Mr. Robert Weston of the ACHCSA. Additional details including sample analytical results are included GGTR's *Tank Closure Report*, dated October 27, 2008.

Based on the deteriorated tank condition and soil sample analytical results, the ACHCSA requested a work plan to assess the extent of the hydrocarbon-impacted soil in the vicinity of the former UST, and whether hydrocarbons have impacted the groundwater beneath the Site.

On May 29, 2012, Mr. Fred Kroger contracted GGE to prepare the requested work plan and implement the proposed work plan activities, upon approval by the ACHCSA. On June 18, 2012, GGE conducted a Site reconnaissance to determine appropriate locations for the proposed soil borings and re-measured Site dimensions for drawing a scaled Site Plan (Figure 2). The work plan is presented in the following sections.

## **PLANNED WORK**

### **Sequence**

The following is the planned sequence of activities at the Site:

- Obtain a soil boring permit from the Alameda County Public Works Agency (ACPWA) and an encroachment/public right of way permit from the CADPW Engineering Division for work conducted in the sidewalk and/or parking lane along Central Avenue.

- If warranted, prepare a Traffic Control Plan for pedestrian and/or vehicle diversion during work activities conducted in the public right-of-way.
- Prepare a Site specific Health & Safety Plan.
- Outline the proposed work area and boring locations in white surface paint and notify Underground Service Alert (USA) to clear for subsurface utilities.
- Using percussion drilling techniques, advance three subsurface soil borings (B1 to B3) to approximately 15 fbg in the vicinity of the former UST. As specified in the April 19, 2012 ACHCS letter, one boring will be drilled through the approximate center of the former UST location. A licensed C-57 well driller certified in the State of California will conduct drilling activities.
- Collect continuous core samples from each boring for the description of lithology and observe evidence of petroleum contamination. The bottom of the former tank was observed to be at 9 feet below grade. Collect discrete soil samples at 5, 10 and 15 fbg, and/or at other depths evident of soil staining or hydrocarbon odors. If feasible during drilling activities, a soil sample will be recovered from the approximate groundwater interface zone.
- Temporarily install 0.75-inch-diameter piezometer casing to the approximate total depth of each borehole and collect grab groundwater samples.
- Submit two selected soil samples and a grab groundwater sample from each boring to a State-certified environmental laboratory for analysis of petroleum hydrocarbons. The soil samples submitted will be selected based on obvious evidence of petroleum contamination and/or the soil samples from below the bottom of the tank and groundwater interface.
- Extract all piezometer casings and tremie grout the boreholes with Portland cement and surface concrete.
- Profile, transport, and dispose of generated soil and liquid wastes to a State-licensed disposal/recycling facility.
- Prepare a report summarizing the activities, findings, and conclusions of the investigation.

### **Pre-Field Activities**

GGE will complete a Soil Boring Permit Application and Encroachment/Right of Way Permit Application(s) and submit each application and associated permit fees to the ACPWA and the CADPW Engineering Division, respectively. If required, GGE will prepare a traffic control plan for temporary sidewalk/parking lane closure along Central Avenue and submit the plan with the encroachment permit to the City of Alameda for review and approval. GGE

will then notify the Site owners, tenants, and regulatory agency representatives of all scheduled field work activities. GGE will arrange and schedule all drilling and laboratory subcontractor services. At least 72 hours prior to drilling, GGE will outline the proposed work area and boring locations in white surface paint and subsequently notify USA to clear for any subsurface utilities that extend through the general work area. GGE will prepare a Health & Safety Plan and conduct an associated safety meeting with all pertinent Site personnel prior to initiating drilling activities.

### **Drilling and Soil Sampling Activities**

GGE proposes advancing three vertical soil borings in the direct vicinity of the former UST excavation to evaluate the extent of diesel-range hydrocarbons in soil and groundwater beneath the Site. Figure 2 depicts the proposed soil boring locations.

GGE will advance soil boring B1 within the south property line boundary, B2 in the sidewalk in front of the south boundary of the Site, and B3 in the parking lane along the Central Avenue frontage of the Site. GGE proposes to advance all soil borings within 5 to 10 feet of the former UST excavation and will advance all borings at locations clear of any overhead or marked subsurface utilities. As specified in the April 19, 2012 ACHCS letter, one boring B2 will be drilled through the approximate center of the former UST location.

GGE will direct the subcontracted driller to initially hand auger each proposed soil boring location up to approximately 4 fbg to confirm clearance of any unmarked subsurface utilities. GGE will advance each boring using a trailer-mounted, Geoprobe® direct push technology rig equipped with 1 and 2-inch-diameter, flush-threaded, dual-cased, steel drill rods and split spoon sampler. A dual-cased rod assembly will be utilized to minimize potential sidewall soil from cross contaminating deeper zone soil and/or groundwater in each borehole, and minimize any potential sidewall sloughing during the sampling activities.

Each boring will be advanced to approximately 15 fbg if possible, or at least 2 to 3 feet past the first encountered free water in the borehole. Soil samples will be collected in each boring using a butyrate plastic tube-lined remote split spoon sampler (2 feet in length) beginning at approximately 4 fbg and continuing to approximately 3 feet below the first encountered groundwater. Soil samples will be collected continuously, specifically at changes of lithology, at the soil/groundwater interface, and at areas showing obvious contamination (i.e., staining & hydrocarbon odor). Soil boring samples will also be screened for volatile organic compounds using a Photoionization Detector (PID) and described using the Unified Soil Classification System and Munsell Rock/Soil Color Chart.

At the anticipated soil sampling depth, the inner drill rods will be extracted and the inner rod/split spoon sampler assembly will be re-advanced through the cased borehole to the upper sampling depth interval and subsequently pushed approximately 24 inches into relatively undisturbed soil to obtain a representative sample. All soil samples retained for laboratory analysis will be sealed with Teflon and plastic end caps, appropriately labeled, and transferred to cooler chilled to approximately 4° Centigrade. GGE will submit the soil samples under chain of custody protocol to Torrent Laboratory (CA ELAP #1991) in Milpitas, California for chemical analysis.



A California-licensed Water Well Drilling Contractor (C57) will perform all drilling activities. Boreholes will be logged under the supervision of a Professional Civil Engineer/Geologist. Hand auger soil cuttings and excess sample soil not utilized for chemical analysis will be transferred to a 55-gallon, D.O.T.-approved steel drum. GGE will collect a four-point composite soil sample from the drummed soil cuttings for analysis and waste disposal characterization. All down-hole drilling and sampling equipment will be decontaminated prior and between each boring location using an Alconox<sup>®</sup> solution and double rinsed with potable water. Equipment wash and rinse water will be transferred directly to 55-gallon D.O.T.-approved steel drum or other suitable container. All drilling and sampling activities will be conducted under the direct supervision of a representative from the ACHCSA.

### **Soil Sample Analysis**

Analytical soil samples collected from each soil boring will be analyzed for the following compounds using approved Environmental Protection Agency (EPA) methods:

- TPH as Diesel (Diesel and Motor Oil range) by EPA Method 3445A/8015B(M)
- BTEX by EPA Method 5030B/8260B
- MTBE by EPA Method 5030B/8260B

The composite soil sample collected from the drummed soil cuttings will be additionally analyzed for Total Lead by EPA Method 6010B for profiling/waste disposal requirements.

### **Groundwater Sampling Activities**

Immediately following soil sampling activities from soil borings B1 through B3, GGE will install a 0.75-inch-diameter, factory-sealed, screened PVC casing and blank riser casing (temporary piezometer) directly through the cased borehole to the approximate total depth, and periodically monitor and record the depth to groundwater. The screened portion of the casing will extend above the soil/groundwater interface depth to the maximum borehole depth. The outer drill rod assembly will then be extracted from the borehole, exposing the screened portion of the temporary piezometer to the surrounding soil/groundwater strata, and a grab groundwater sample will be collected using a peristaltic pump and factory-supplied clean Polyethylene/Teflon tubing.

GGE will carefully drain the groundwater sample directly into laboratory-provided, 40-milliliter volatile organic analysis (VOA) vials. A specialized drainage tip will be used to prevent loss of any volatile constituents during sample transfer. GGE will seal each sample container with a threaded cap and invert the VOA vials to insure no headspace or entrapped air bubbles are present. Groundwater samples analyzed for non-volatile analysis, i.e., TPH-D analysis, will be transferred to laboratory-supplied 1-liter amber glass bottle.

All non-disposable groundwater sampling equipment will be cleaned using a non-phosphate Alconox<sup>®</sup> solution and double rinsed using clean, potable water. Equipment wash and rinse water will be transferred to a 55-gallon D.O.T. approved storage drum or other suitable

container. Each container will be sealed, appropriately labeled, and temporarily stored onsite in a secure area.

### **Groundwater Sample Analysis**

All grab groundwater samples will be analyzed for the following compounds using approved EPA methods.

- TPH-Diesel by EPA Method 3445A/8015B(M)
- BTEX by EPA Methods 5030B/8260B
- MTBE by EPA Methods 5030/8020

One sample will be analyzed for total dissolved solids by EPA Method 160.1 to assess groundwater quality.

### **Backfilling Activities**

Immediately following sampling activities, GGE or the licensed C-57 subcontracted driller will extract each temporary piezometer casing and backfill each borehole with neat Portland cement up to approximately 1 fbg. The balance of each borehole will be backfilled with concrete and/or other surface material to restore original Site conditions.

### **Waste Management**

Separately containerized soil and equipment wash and rinse water generated during drilling and sampling activities will be temporarily stored onsite in a secure area. Following receipt of the soil and grab groundwater sample analyses; GGE will subsequently profile and transport the solid and liquid waste to an appropriate licensed disposal facility under uniform hazardous waste or non-hazardous waste manifest protocol.

### **Data Interpretation / Report Preparation**

Following completion of the exploratory boring and sampling activities, GGE will review all field and analytical data and prepare a technical report summarizing the activities, findings, and conclusions of the soil and groundwater investigation. The report will be written in general accordance with TRI-Regional Board Staff Recommendation for Preliminary Evaluation and Investigation of Underground Tank Sites (August 1990). The soil and grab groundwater sample results will be tabulated and compared with current CRWQCB Environmental Screening Levels (Unrestricted, residential land usage where groundwater is a potential drinking water source).

### **GeoTracker Upload**

All soil/groundwater analytical data collected during the preliminary site characterization activities will be uploaded in Electronic Deliverable Format to the State Water Resources Control Board's GeoTracker Database System. Also, geologic boring logs, a scaled site map, and work plans / reports prepared during current and future phases of this site investigation will be uploaded in PDF format to the State GeoTracker Database.

### **Schedule and Approval**

GGE anticipates beginning the pre-field activities within two to three weeks of receiving written approval to proceed from the ACHCSA and the responsible party. Drilling should occur during early to mid July 2012, depending on work plan approval, permitting, and driller availability. The report described in the preceding section should be available within four to five weeks of receipt of all soil and groundwater analytical results and waste disposal documentation.

### **Work Plan & Report Distribution**

This document and all subsequent reports that are prepared during the continuing work on this project will be sent to:

Alameda County Health Care Services Agency      *(1 Copy, copied to FTP Site)*  
Environmental Health Services                      *(1 Electronic Copy via GeoTracker)*  
1131 Harbor Bay Parkway, Suite 250  
Alameda, California 94502-6577  
*Attn: Ms. Karel Detterman*  
[karel.detterman@acgov.org](mailto:karel.detterman@acgov.org)

Mr. Fred Kroger    *(2 Copies, Bound)*  
P.O. Box 11244    *(1 Electronic Copy via Email)*  
Piedmont, California 94611  
[ftccoinc@gmail.com](mailto:ftccoinc@gmail.com)

Ms. Elsie Hamilton    *(1 Electronic Copy via Email)*  
[woodleafrentals@gmail.com](mailto:woodleafrentals@gmail.com)

### **Limitations**

This work plan has been prepared in accordance with generally accepted environmental practices exercised by professional geologists, scientists, and engineers. No warranty, either expressed or implied, is made as to the professional advice presented herein. The proposed activities contained in this work plan are based upon information contained in previous reports of corrective action activities performed at the subject property and based upon site conditions, as they existed at the time of the investigation, and are subject to change.

The professional opinions presented herein are based solely upon visual observations of the subject property and vicinity, and interpretation of available information as described in this report. The scope of services conducted in execution of this investigation may not be appropriate to satisfy the needs of other users and any use or reuse of this document and any of its information presented herein is at sole risk of said user.

### **References**

Alameda County Health Care Services Agency, Environmental Protection Division, 2012. Technical Report Request for Fuel Leak Case No. RO0003071, Kroger Residential Property, 725 Central Avenue, Alameda, CA 94501. Letter dated April 19, 2012.

California Division of Mines & Geology, 1990. Geologic Map of the San Francisco-San Jose Quadrangle, Wagner, D.L., Bortugno, E.J., and McJunkin, R.D.

California Regional Water Quality Control Board, San Francisco Bay Region. Application of Risk-Based Screening Levels and Decision Making to Sites With Impacted Soil and Groundwater; Volume 1, Interim Final – November 2007 (Revised May 2008).

California Regional Water Quality Control Board, San Francisco Bay Region, 1995. Water Quality Control Plan, San Francisco Bay Region.

California Regional Water Quality Control Board, San Francisco Bay Region. Tri-Regional Staff Recommendations for Preliminary Evaluation and Investigation of Underground Storage Tank Sites, August 1990.

Geological Society of America, 1991. Munsell Rock Color Chart.

GGTR. Tank Closure Report, October 27, 2008. Project No. 9029.

## **ATTACHMENTS**

**ACHCSA Directive Letter – April 19, 2012**

**Figure 1 – Site Location Map**

**Figure 2 – Site Plan**

**Table 1 – Sampling Results Form (UST Closure – Sept. 2008)**



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**ACHCSA Directive Letter – April 19, 2012**

**Figure 1 – Site Location Map**

**Figure 2 – Site Plan**

**Table 1 – Sampling Results Form (UST Closure – Sept. 2008)**



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

April 19, 2012

Mr. Frederick Kroger (*Sent via e-mail to: [ftkcoinc@gmail.com](mailto:ftkcoinc@gmail.com)*)  
Kroger Trust *et al*  
PO Box 117  
Orinda, CA 94563-01117

Subject: Technical Report Request for Fuel Leak Case No. RO0003071 and GeoTracker Global ID T10000002520, Kroger Residential Property, 725 Central Avenue, Alameda, CA 94501

Dear Mr. Kroger:

Alameda County Environmental Health (ACEH) reported the discovery of a release from your former diesel underground storage tank (UST) system removed on September 23, 2008. The release was referred to the ACEH Local Oversight Program (LOP), the lead agency for oversight of investigation and cleanup of petroleum hydrocarbon releases in Alameda County. ACEH-LOP subsequently listed the subject case on our data base of fuel leak sites. The UST was found in sandy soil, contained residual product, and was observed to be rusty with small holes. The sandy soil was stockpiled, sampled, and was found to contain 23 milligrams per kilogram of Total Petroleum Hydrocarbons as Diesel (TPHD) and 16 ppm lead, indicating an unauthorized release had occurred. A soil and groundwater investigation is necessary at this site to progress to case closure.

Please investigate the extent of soil and groundwater contamination and determine if contamination is present beneath your site. This type of investigation usually involves drilling one soil boring and collecting soil and grab groundwater samples for chemical analyses. The work plan should be prepared by a consultant qualified to undertake the work. Please submit a work plan by the date specified below to define the vertical extent of any soil and groundwater contamination by drilling one soil boring through the approximate center of the former UST location and collect soil and groundwater samples for analysis.

As described in the attached Responsible Party(ies) Legal Requirements/Obligations, all technical reports must be submitted to both the ACEH ftp site and the State Water Resource Control Board (SWRCB) GeoTracker website. Therefore, please claim your site on GeoTracker and upload the Work Plan and all future reports to the GeoTracker website. Pursuant to CCR Sections 2729 and 2729.1, all analytical data, including monitoring well samples, submitted in a report to a regulatory agency as part of the LUFT program, must be transmitted electronically to the SWRCB Geotracker website via the internet. Additionally, all permanent monitoring points utilized to collect groundwater samples (i.e. monitoring wells) and submitted in a report to a regulatory agency, must be surveyed (top of casing) to mean sea level and latitude and longitude accurate to within 1-meter accuracy, using NAD 83, and transmitted electronically to the SWRCB Geotracker website. Beginning July 1, 2005, electronic submittal of a complete copy of all reports (LUFT or SLIC) is required in GeoTracker (in PDF format). Please upload all reports prepared after July 1, 2005 to the SWRCB's Geotracker database website in accordance with the above-cited regulation.



### **UNDERGROUND STORAGE TANK CLEANUP FUND**

Please be aware that site investigation/site cleanup costs may be reimbursable from the California Underground Storage Tank Cleanup Fund. The application and additional information is available at the State Water Resources Control Board's website at [http://www.waterboards.ca.gov/water\\_issues/programs/ustcf](http://www.waterboards.ca.gov/water_issues/programs/ustcf). Please be aware that reimbursement monies are contingent upon maintaining compliance with directives from ACEH. Additional information about the USTCF can be found below in the attachments to this letter.

### **TECHNICAL REPORT REQUEST**

Please submit the following deliverables to ACEH (Attention: Karel Detterman), according to the following schedule:

1. **May 18, 2012** – Claim site in Geotracker
2. **June 15, 2012** – Soil and Groundwater Investigation Work Plan

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.

Thank you for your cooperation. Should you have any questions or concerns regarding this correspondence or your case, please call me at (510) 567-6708 or send me an e-mail message at [karel.detterman@acgov.org](mailto:karel.detterman@acgov.org). Online case files are available for review at the following website: <http://www.acgov.org/aceh/index.htm>.

Sincerely,

Karel Detterman, PG  
Hazardous Materials Specialist

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

cc: Elsie Hamilton, (Sent via E-mail to: [woodleafrentals@gmail.com](mailto:woodleafrentals@gmail.com))

Donna Drogos, ACEH (Sent via E-mail to: [donna.drogos@acgov.org](mailto:donna.drogos@acgov.org))  
Karel Detterman, ACEH (Sent via E-mail to: [karel.detterman@acgov.org](mailto:karel.detterman@acgov.org))

## **Responsible Party(ies) Legal Requirements/Obligations**

### **REPORT REQUESTS**

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.

### **ELECTRONIC SUBMITTAL OF REPORTS**

ACEH's Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of reports in electronic form. The electronic copy replaces paper copies and is expected to be used for all public information requests, regulatory review, and compliance/enforcement activities. Instructions for submission of electronic documents to the Alameda County Environmental Cleanup Oversight Program FTP site are provided on the attached "Electronic Report Upload Instructions." Submission of reports to the Alameda County FTP site is an addition to existing requirements for electronic submittal of information to the State Water Resources Control Board (SWRCB) GeoTracker website. In September 2004, the SWRCB adopted regulations that require electronic submittal of information for all groundwater cleanup programs. For several years, responsible parties for cleanup of leaks from underground storage tanks (USTs) have been required to submit groundwater analytical data, surveyed locations of monitoring wells, and [other](#) data to the GeoTracker database over the Internet. Beginning July 1, 2005, these same reporting requirements were added to Spills, Leaks, Investigations, and Cleanup (SLIC) sites. Beginning July 1, 2005, electronic submittal of a complete copy of all reports for all sites is required in GeoTracker (in PDF format). Please visit the SWRCB website for more information on these requirements ([http://www.swrcb.ca.gov/ust/electronic\\_submittal/report\\_rqmts.shtml](http://www.swrcb.ca.gov/ust/electronic_submittal/report_rqmts.shtml)).

### **PERJURY STATEMENT**

All work plans, technical reports, or technical documents submitted to ACEH must be accompanied by a cover letter from the responsible party that states, at a minimum, the following: "I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge." This letter must be signed by an officer or legally authorized representative of your company. Please include a cover letter satisfying these requirements with all future reports and technical documents submitted for this fuel leak case.

### **PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS**

The California Business and Professions Code (Sections 6735, 6835, and 7835.1) requires that work plans and technical or implementation reports containing geologic or engineering evaluations and/or judgments be performed under the direction of an appropriately registered or certified professional. For your submittal to be considered a valid technical report, you are to present site specific data, data interpretations, and recommendations prepared by an appropriately licensed professional and include the professional registration stamp, signature, and statement of professional certification. Please ensure all that all technical reports submitted for this fuel leak case meet this requirement.

### **UNDERGROUND STORAGE TANK CLEANUP FUND**

Please note that delays in investigation, later reports, or enforcement actions may result in your becoming ineligible to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse you for the cost of cleanup.

### **AGENCY OVERSIGHT**

If it appears as though significant delays are occurring or reports are not submitted as requested, we will consider referring your case to the Regional Board or other appropriate agency, including the County District Attorney, for possible enforcement actions. California Health and Safety Code, Section 25299.76 authorizes enforcement including administrative action or monetary penalties of up to \$10,000 per day for each day of violation.

<b>Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC)</b>	<b>REVISION DATE:</b> July 20, 2010
	<b>ISSUE DATE:</b> July 5, 2005
	<b>PREVIOUS REVISIONS:</b> October 31, 2005; December 16, 2005; March 27, 2009; July 8, 2010
<b>SECTION:</b> Miscellaneous Administrative Topics & Procedures	<b>SUBJECT:</b> Electronic Report Upload (ftp) Instructions

The Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of all reports in electronic form to the county's ftp site. Paper copies of reports will no longer be accepted. The electronic copy replaces the paper copy and will be used for all public information requests, regulatory review, and compliance/enforcement activities.

## REQUIREMENTS

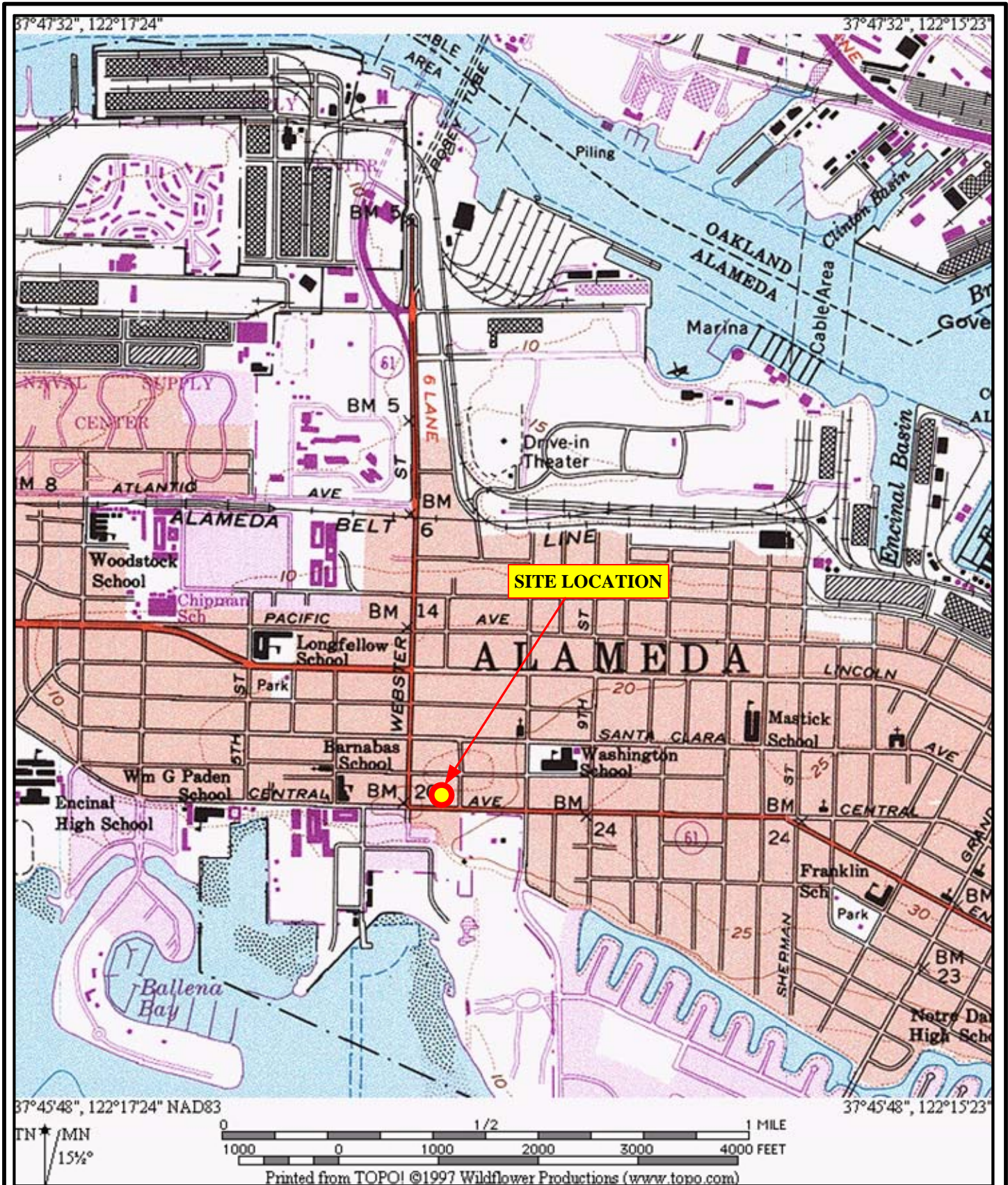
- **Please do not submit reports as attachments to electronic mail.**
- Entire report including cover letter must be submitted to the ftp site as a **single portable document format (PDF) with no password protection.**
- It is **preferable** that reports be converted to PDF format from their original format, (e.g., Microsoft Word) rather than scanned.
- **Signature pages and perjury statements must be included and have either original or electronic signature.**
- **Do not password protect the document.** Once indexed and inserted into the correct electronic case file, the document will be secured in compliance with the County's current security standards and a password. **Documents with password protection will not be accepted.**
- Each page in the PDF document should be rotated in the direction that will make it easiest to read on a computer monitor.
- Reports must be named and saved using the following naming convention:

RO#\_Report Name\_Year-Month-Date (e.g., RO#5555\_WorkPlan\_2005-06-14)

## Submission Instructions

- 1) Obtain User Name and Password
  - a) Contact the Alameda County Environmental Health Department to obtain a User Name and Password to upload files to the ftp site.
    - i) Send an e-mail to [deh.loptoxic@acgov.org](mailto:deh.loptoxic@acgov.org)
  - b) In the subject line of your request, be sure to include **"ftp PASSWORD REQUEST"** and in the body of your request, include the **Contact Information, Site Addresses, and the Case Numbers (RO# available in Geotracker) you will be posting for.**
- 2) Upload Files to the ftp Site
  - a) Using Internet Explorer (IE4+), go to <ftp://alcoftp1.acgov.org>
    - (i) Note: Netscape, Safari, and Firefox browsers will not open the FTP site as they are NOT being supported at this time.
  - b) Click on Page located on the Command bar on upper right side of window, and then scroll down to Open FTP Site in Windows Explorer.
  - c) Enter your User Name and Password. (Note: Both are Case Sensitive.)
  - d) Open "My Computer" on your computer and navigate to the file(s) you wish to upload to the ftp site.
  - e) With both "My Computer" and the ftp site open in separate windows, drag and drop the file(s) from "My Computer" to the ftp window.
- 3) Send E-mail Notifications to the Environmental Cleanup Oversight Programs
  - a) Send email to [deh.loptoxic@acgov.org](mailto:deh.loptoxic@acgov.org) notify us that you have placed a report on our ftp site.
  - b) Copy your Caseworker on the e-mail. Your Caseworker's e-mail address is the entire first name then a period and entire last name @acgov.org. (e.g., firstname.lastname@acgov.org)
  - c) The subject line of the e-mail must start with the RO# followed by **Report Upload.** (e.g., Subject: RO1234 Report Upload) If site is a new case without an RO#, use the street address instead.
  - d) If your document meets the above requirements and you follow the submission instructions, you will receive a notification by email indicating that your document was successfully uploaded to the ftp site.





**GOLDEN GATE ENVIRONMENTAL, INC.**

1455 Yosemite Avenue  
 San Francisco, CA 94124  
 Ph (415) 970-9088 Fx (415) 970-9089

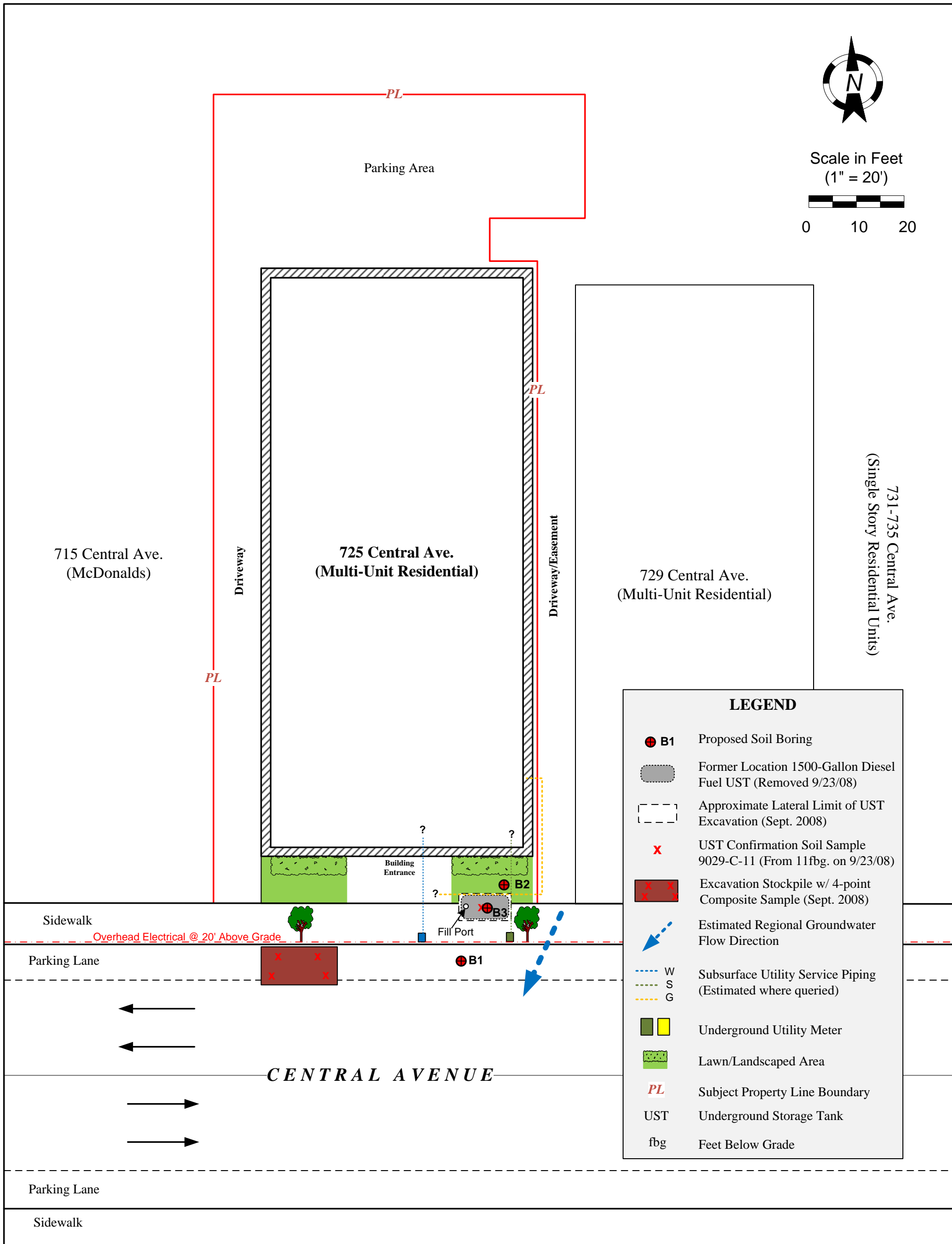
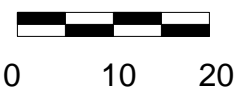
**SITE LOCATION MAP**

725 Central Avenue  
 Alameda, California 94501





Scale in Feet  
(1" = 20')



**LEGEND**

- B1** Proposed Soil Boring
- Former Location 1500-Gallon Diesel Fuel UST (Removed 9/23/08)
- Approximate Lateral Limit of UST Excavation (Sept. 2008)
- UST Confirmation Soil Sample 9029-C-11 (From 11fbg. on 9/23/08)
- Excavation Stockpile w/ 4-point Composite Sample (Sept. 2008)
- Estimated Regional Groundwater Flow Direction
- W Subsurface Utility Service Piping (Estimated where queried)
- S
- G
- Underground Utility Meter
- Lawn/Landscaped Area
- PL** Subject Property Line Boundary
- UST Underground Storage Tank
- fbg Feet Below Grade

<b>Garden Ct.</b>	Residential Property	Commercial Properties
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<p><b>GOLDEN GATE ENVIRONMENTAL, INC.</b> 1455 Yosemite Avenue, San Francisco, CA 94124 Phone: (415) 970-9088 Fax: (415) 970-9089</p>	<p><b>SITE PLAN</b> 725 Central Avenue Alameda, California 94501</p>
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## SAMPLING RESULTS FORM

**Underground Storage Tank Site Address:** 725 Central Avenue, Alameda, CA 94501

**Business Site Name:** Residential (Multi Unit Apartment)

Description Sample ID (Specify location; i.e., tank, pipe, stockpile) and number	Sample Depth (Indicate depth of sample from grade)	Media (soil/water)	Date (Date Sample was collected)	Soil Type (specify if sand, clay, fill, etc.)	Results expressed in parts per million (ppm)									
					TPH-D	B	T	E	X	MTBE	TBA	ETBA	TAME	LEAD
9029-SP-(A-D) (Stockpile)	Not Applicable	soil	9/23/2008	clay	23 <sup>1</sup>	ND<0.0047	ND<0.0047	ND<0.0047	ND<0.0047	ND<0.0047	ND<0.094	ND<0.0047	ND<0.0047	16
9029-C-11 (Excavation)	11 feet	soil	9/23/2008	clay	ND<1.0	ND<0.0047	ND<0.0047	ND<0.0047	ND<0.0047	ND<0.0047	ND<0.094	ND<0.0047	ND<0.0047	NA
9029-R3 (Tank Rinsate)	Not Applicable	water	9/22/2008	Not Applicable	440	NA	NA	NA	NA	NA	NA	NA	NA	NA

TPH-D = Total Petroleum Hydrocarbons as Diesel

BTEX = Benzene, Toluene, Ethylbenzene, Xylene

MTBE = Methyl-t-Butyl Ether

TBA = Tert-Butyl Alcohol

ETBE = Ethyl Tert-Butyl Ether

TAME = Methyl Tert-Amyl Ether

<sup>1</sup> = Sample exhibits chromatographic pattern that does not resemble standard

NA = Not Analyzed

ND = Non-Detectable Results

List of additional analytical results and detection limits on attached certified lab report