

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

December 23, 2015

Ronald V. Rosequist TR  
c/o Ronald Rosequist  
947 Hillcroft Circle  
Oakland, CA 946110-2402  
(Sent via E-mail to: [rvrosequist@gmail.com](mailto:rvrosequist@gmail.com))

Subject: Case Closure for Fuel Leak Case No. RO0003173 and GeoTracker Global ID T10000007008, Hillcroft Residence, 947 Hillcroft Circle, Oakland, CA 94610

Dear Mr. Rosequist:

This letter transmits the enclosed underground storage tank (UST) case closure letter in accordance with Chapter 6.75 (Article 4, Section 25296.10[g]). The State Water Resources Control Board adopted this letter on February 20, 1997. As of March 1, 1997, the Alameda County Environmental Health (ACEH) is required to use this case closure letter for all UST leak sites. We are also transmitting to you the enclosed case closure summary. These documents confirm the completion of the investigation and cleanup of the reported release at the subject site. The subject fuel leak case is closed. This case closure letter and the case closure summary can also be viewed on the State Water Resources Control Board's Geotracker website (<http://geotracker.swrcb.ca.gov>) and the Alameda County Environmental Health website (<http://www.acgov.org/aceh/index.htm>).

If you have any questions, please call Jerry Wickham at (510) 567-6791. Thank you.

Sincerely,

Dilan Roe, P.E.  
LOP and SCP Program Manager

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

Cc w/enc.:

Gopakumar Nair, City of Oakland Public Works Environmental Services, 250 Frank Ogawa Plaza, Suite 4314, Oakland, CA 94612 (Sent via E-mail to: [gnair@oaklandnet.com](mailto:gnair@oaklandnet.com))

Jerry Wickham, ACEH (Sent via E-mail to: [jerry.wickham@acgov.org](mailto:jerry.wickham@acgov.org))  
GeoTracker, eFile

ALAMEDA COUNTY  
**HEALTH CARE SERVICES  
AGENCY**

ALEX BRISCOE, Agency Director

DEPARTMENT OF ENVIRONMENTAL HEALTH  
OFFICE OF THE DIRECTOR  
1131 HARBOR BAY PARKWAY  
ALAMEDA, CA 94502  
(510) 567-6777  
FAX (510) 337-9135

**REMEDIAL ACTION COMPLETION CERTIFICATION**

December 23, 2015

Ronald V. Rosequist TR  
c/o Ronald Rosequist  
947 Hillcroft Circle  
Oakland, CA 946110-2402  
(Sent via E-mail to: [rvrosequist@gmail.com](mailto:rvrosequist@gmail.com))

Subject: Case Closure for Fuel Leak Case No. RO0003173 and GeoTracker Global ID T10000007008, Hillcroft Residence, 947 Hillcroft Circle, Oakland, CA 94610

Dear Mr. Rosequist:

This letter confirms the completion of a site investigation and remedial action for the underground storage tanks 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  
Acting Director  
Department of Environmental Health

# UST Case Closure Summary Form

**Agency Information**

Date: November 12, 2015

Agency Name: Alameda County Environmental Health	Address: 1131 Harbor Bay Parkway
City/State/Zip: Alameda, CA 94502-6577	Phone: (510) 567-6791
Staff Person: Jerry Wickham	Title: Senior Hazardous Materials Specialist

**Case Information**

Facility Name: Hillcroft Residence		
Facility Address: 947 Hillcroft Circle, Oakland, CA 94610		
RB LUSTIS Case No: ----	Local Case No.: ---	LOP Case No.: RO0003173
URF Filing Date: 07/30/2014	GeoTracker Global ID: T10000007008	
APN: 11-889-31	Current Land Use: Residential	
Responsible Party(s):	Address:	Phone:
Ronald V. Rosequist TR c/o Ronald Rosequist	947 Hillcroft Circle Oakland, CA 94610	No phone number

**Tank Information**

Tank No.	Size (gal)	Contents	Closed in-Place/ Removed/Active	Date
1	500 gallons	Heating oil	Removed	06/18/2014

**Conceptual Site Model (Attachment 1, 2 pages)**

**Closure Criteria Met (Attachment 2, 1 page)**

**LTCP Groundwater Specific Criteria (Attachment 3, 1 page)**

**LTCP Vapor Specific Criteria (Attachment 4, 1 page)**

**LTCP Direct Contact and Outdoor Air Exposure Criteria (Attachment 5, 1 page)**

**Optional Site Map(s) (Attachment 6, 1 page)**

**Analytical Data (Attachment 7, 2 pages)**

# UST Case Closure Summary Form

**Additional Information:**


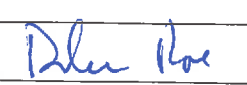
Site Management Requirements: This fuel leak case has been evaluated for closure consistent with the State Water Resource Control Board Low-Threat Underground Storage Tank Closure Policy (LTCP). Based on this evaluation, no site management requirements appear to be necessary.

**RWQCB Notification**

Notification Date: 09/01/2015

RWQCB Staff Name: Cherie McCaulou	Title: Engineering Geologist
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**Local Agency Representative**

Prepared by: Jerry Wickham	Title: Senior Hazardous Materials Specialist
Signature: 	Date: 11/25/2015
Approved by: Dilan Roe	Title: LOP and SCP Program Manager
Signature: 	Date: 1/14/2015

This Case Closure Summary along with the Case Closure Transmittal letter and 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. The Conceptual Site Model may not contain all available data. Additional information on the case can be viewed in the online case file. The entire case file can be viewed over the Internet on the Alameda County Environmental Health (ACEH) 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>). Not all historic documents for the fuel leak case may be available on GeoTracker. A more complete historic case file for this site is located on the ACEH website.

# ATTACHMENT 1

CSM Report

[GEOTRACKER HOME](#) | [MANAGE PROJECTS](#) | [REPORTS](#) | [SEARCH](#) | [LOGOUT](#)

**HILLCROFT RESIDENCE (T10000007008) - [MAP THIS SITE](#)**

OPEN - ELIGIBLE FOR CLOSURE

947 HILLCROFT CIRCLE  
OAKLAND, CA 94610  
ALAMEDA COUNTY

[ACTIVITIES REPORT](#)  
[PUBLIC WEBPAGE](#)

[VIEW PRINTABLE CASE SUMMARY FOR THIS SITE](#)

**CLEANUP OVERSIGHT AGENCIES**

ALAMEDA COUNTY LOP (**LEAD**) - CASE #: R00003173  
CASEWORKER: [Jerry Wickham](#) - SUPERVISOR: DILAN ROE  
SAN FRANCISCO BAY RWQCB (REGION 2)  
CASEWORKER: [Cherie McCaulou](#) - SUPERVISOR: Cheryl L. Prowell

CUF Claim #: 20238 CUF Priority Assigned: A CUF Amount Paid: \$0

CR Site ID #: NOT SPECIFIED

THIS PROJECT WAS LAST MODIFIED BY [JERRY WICKHAM](#) ON 11/12/2015 4:48:25 PM - [HISTORY](#)

**CSM REPORT - [VIEW PUBLIC NOTICING VERSION OF THIS REPORT](#)**

**UST CLEANUP FUND CLAIM INFORMATION (DATA PULLED FROM SCUFIS)**

CLAIM NO	PRIORITY	CLAIMANT	SITE ADDRESS	AMT REIMB TO DATE	AGE OF LOC	IMPACTED WELLS?	REVIEW NUM	REVIEWER	FIVE YEAR REVIEW INFORMATION		
									FUND RECOMMENDATION	TO OVERSIGHT DATE	TO CLAIMANT DATE
20238	A	THE LOUISE W. ROSEQUIST & RONALD V. ROSEQUIST TRUST DATED 12/11/2002	947 HILLCROFT CIRCLE OAKLAND, CA 94610		0						

**PROJECT INFORMATION (DATA PULLED FROM GEOTRACKER) - [MAP THIS SITE](#)**

SITE NAME / ADDRESS	STATUS	STATUS DATE	RELEASE REPORT DATE	AGE OF CASE	CLEANUP OVERSIGHT AGENCIES
Hillcroft Residence (Global ID: T10000007008) 947 Hillcroft Circle OAKLAND, CA 94610	Open - Eligible for Closure	6/11/2015	1/23/2015	1	ALAMEDA COUNTY LOP ( <b>LEAD</b> ) - CASE #: R00003173 CASEWORKER: <a href="#">Jerry Wickham</a> - SUPERVISOR: DILAN ROE SAN FRANCISCO BAY RWQCB (REGION 2) CASEWORKER: <a href="#">Cherie McCaulou</a> - SUPERVISOR: Cheryl L. Prowell

**STAFF NOTES (INTERNAL)**

**SITE HISTORY**

A single-walled steel underground storage tank with a capacity of 500 gallons was removed from front yard of a residence at 947 Hillcroft Avenue on June 18, 2014. Three soil samples collected from the tank excavation contained total petroleum hydrocarbons at concentrations between 304 and 634 milligrams per kilogram. Due to the contamination detected in the tank excavation, approximately 53 tons of soil was removed and transported off-site for disposal. Confirmation soil samples collected from the following excavation did not contain petroleum hydrocarbons at concentrations above reporting limits. The case is under consideration for case closure.

**RESPONSIBLE PARTIES**

NAME	ORGANIZATION	ADDRESS	CITY	EMAIL
RONALD ROSEQUIST	Ronald Rosequist Trust	947 HILLCROFT CIRCLE	OAKLAND	

**CLEANUP ACTION INFO**

ACTION TYPE	BEGIN DATE	END DATE	PHASE	CONTAMINANT MASS REMOVED	DESCRIPTION
EXCAVATION	7/23/2014	7/25/2014	Soil		Approximately 53 tons of contaminated soil was excavated and transported off-site for disposal.

**RISK INFORMATION**

[VIEW LTCP CHECKLIST](#)

[VIEW PATH TO CLOSURE PLAN](#)

[VIEW CASE REVIEWS](#)

CONTAMINANTS OF CONCERN	CURRENT LAND USE	BENEFICIAL USE	DISCHARGE SOURCE	DATE REPORTED	STOP METHOD	NEARBY / IMPACTED WELLS
Heating Oil / Fuel Oil	Residential	GW - Municipal and Domestic Supply	Tank	1/23/2015	Close and Remove Tank	0

FREE PRODUCT NO	OTHER CONSTITUENTS NO	NAME OF WATER SYSTEM	LAST REGULATORY ACTIVITY	LAST ESI UPLOAD	LAST EDF UPLOAD	EXPECTED CLOSURE DATE	MOST RECENT CLOSURE REQUEST
		EBMUD	9/1/2015				

**CDPH WELLS WITHIN 1500 FEET OF THIS SITE**

NONE		
<b>CALCULATED FIELDS (BASED ON LATITUDE / LONGITUDE)</b>		
<b>APN</b> 011 088903100	<b>GW BASIN NAME</b> Santa Clara Valley - East Bay Plain (2-9.04)	<b>WATERSHED NAME</b> South Bay - East Bay Cities (204.20)
<b>COUNTY</b> Alameda	<b>PUBLIC WATER SYSTEM(S)</b> • EAST BAY MUD - 375 ELEVENTH STREET, OAKLAND, CA 94607	
<b>MOST RECENT CONCENTRATIONS OF PETROLEUM CONSTITUENTS IN GROUNDWATER - <a href="#">SHOW</a></b>		<b><a href="#">VIEW ESI SUBMITTALS</a></b>
<b>MOST RECENT CONCENTRATIONS OF PETROLEUM CONSTITUENTS IN SOIL - <a href="#">SHOW</a></b>		<b><a href="#">VIEW ESI SUBMITTALS</a></b>
<b>MOST RECENT GEO_WELL DATA - <a href="#">SHOW</a></b>		<b><a href="#">VIEW ESI SUBMITTALS</a></b>

LOGGED IN AS JMWCKHAM

[CONTACT GEOTRACKER HELP](#)

# ATTACHMENT 2



LTCP Checklist

[GEOTRACKER HOME](#) | [MANAGE PROJECTS](#) | [REPORTS](#) | [SEARCH](#) | [LOGOUT](#)

**HILLCROFT RESIDENCE (T1000007008) - [MAP THIS SITE](#)**

OPEN - ELIGIBLE FOR CLOSURE

947 HILLCROFT CIRCLE  
OAKLAND, CA 94610  
ALAMEDA COUNTY

[ACTIVITIES REPORT](#)  
[PUBLIC WEBPAGE](#)

[VIEW PRINTABLE CASE SUMMARY FOR THIS SITE](#)

**CLEANUP OVERSIGHT AGENCIES**  
ALAMEDA COUNTY LOP (LEAD) - CASE #: R00003173  
CASEWORKER: [Jerry Wickham](#) - SUPERVISOR: DILAN ROE  
SAN FRANCISCO BAY RWQCB (REGION 2)  
CASEWORKER: [Cherie McCaulou](#) - SUPERVISOR: Cheryl L. Prowell  
CUF Claim #: 20238 CUF Priority Assigned: A CUF Amount Paid: \$0  
CR Site ID #: NOT SPECIFIED

THIS PROJECT WAS LAST MODIFIED BY [JERRY WICKHAM](#) ON 11/12/2015 4:51:53 PM - [HISTORY](#)

**CLOSURE POLICY**

**THIS VERSION IS FINAL AS OF 11/12/2015**

CHECKLIST INITIATED ON 8/11/2015

[CLOSURE POLICY HISTORY](#)

**General Criteria - The site satisfies the policy general criteria - [CLEAR SECTION ANSWERS](#)**

a. Is the unauthorized release located within the service area of a public water system?

Name of Water System :

BBMUD

YES  NO

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](#)**

**EXEMPTION - Soil Only Case (Release has not Affected Groundwater - [info](#))**

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](#)**

**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

2a - Scenario 3 ([example](#)): Dissolved Phase Benzene Concentrations Only in Groundwater (Low concentration groundwater scenarios with or without O2 measurements must satisfy one i, ii, or iii):

i. For bioattenuation zone without oxygen measurements or oxygen <4% and benzene concentration are <100 µg/L, the bioattenuation zone: Is a continuous zone that provides a separation of at least 5 feet vertically between the dissolved phase benzene and the foundation of existing or potential building; and contain total TPH <100 mg/kg throughout the entire depth of the bioattenuation zone.

YES  NO

ii. For bioattenuation zone without oxygen measurements or oxygen <4% and benzene concentration are >100 µg/L but <1,000 µg/L, the bioattenuation zone: Is a continuous zone that provides a separation of at least 10 feet vertically between the dissolved phase benzene and the foundation of existing or potential building, and contain total TPH <100 mg/kg throughout the entire depth of the bioattenuation zone.

YES  NO

iii. For bioattenuation zone with oxygen ≥ 4% and benzene concentration are <1,000 µg/L, the bioattenuation zone: Is a continuous zone that provides a separation of at least 5 feet vertically between the dissolved phase benzene and the foundation of existing or potential building, and contain total TPH <100 mg/kg throughout the entire depth of the bioattenuation zone.

YES  NO

**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](#)**

**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

3.1 - Maximum concentrations of petroleum constituents in soil are less than or equal to those listed in the following table ([LINK](#)) for the specified depth below ground surface.

YES  NO

**Additional Information**

This case should be kept OPEN in spite of meeting policy criteria.

YES  NO

Has this LTCP Checklist been updated for FY 15/16?

YES  NO

[SPELL CHECK](#)

LOGGED IN AS JWICKHAM

[CONTACT GEOTRACKER HELP](#)

# ATTACHMENT 3

**ATTACHMENT 3  
LTCP GROUNDWATER SPECIFIC CRITERIA**

**LTCP Groundwater Specific Scenario under which case was closed: Site appears unlikely to have affected groundwater**

Site Data		LTCP Scenario 1 Criteria	LTCP Scenario 2 Criteria	LTCP Scenario 3 Criteria	LTCP Scenario 4 Criteria
Plume Length	No plume	<100 feet	<250 feet	<250 feet	<1,000 feet
Free Product	No free product	No free product	No free product	Removed to maximum extent practicable	No free product
Plume Stable or Decreasing	No plume	Stable or decreasing	Stable or decreasing	Stable or decreasing for minimum of 5 Years	Stable or decreasing
Distance to Nearest Water Supply Well	>1,000 feet	>250 feet	>1,000 feet	>1,000 feet	>1,000 feet
Distance to Nearest Surface Water and Direction	3,700 feet crossgradient	>250 feet	>1,000 feet	>1,000 feet	>1,000 feet
Property Owner Willing to Accept a Land Use Restriction?	Not applicable for groundwater specific criteria	Not applicable	Not applicable	Yes	Not applicable

**GROUNDWATER CONCENTRATIONS**

Constituent	Historic Site Maximum (µg/L)	Current Site Maximum (µg/L)	LTCP Scenario 1 Criteria (µg/L)	LTCP Scenario 2 Criteria (µg/L)	LTCP Scenario 3 Criteria (µg/L)	LTCP Scenario 4 Criteria (µg/L)
Benzene	----	----	No criteria	<3,000	No criteria	<1,000
MTBE	----	----	No criteria	<1,000	No criteria	<1,000

Scenario 5: If the site does not meet scenarios 1 through 4, has 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?

----

Comments: Water Supply Wells in Vicinity: No water supply wells have been identified within 1,000 feet of the site.

# ATTACHMENT 4

**ATTACHMENT 4  
LTCP VAPOR SPECIFIC CRITERIA**

**LTCP Vapor Specific Scenario under which case was closed: Scenario 3A**

Active Fueling Station      Not applicable

Site Data		LTCP Scenario 1 Criteria	LTCP Scenario 2 Criteria	LTCP Scenario 3A Criteria	LTCP Scenario 3B Criteria	LTCP Scenario 3C Criteria	LTCP Scenario 4 Criteria
Unweathered LNAPL	No LNAPL	LNAPL in groundwater	LNAPL in soil	No LNAPL	No LNAPL	No LNAPL	No criteria
Thickness of Bioattenuation Zone Beneath Foundation	>7 feet	≥30 feet	≥30 feet	≥5 feet	≥10 feet	≥5 feet	≥5 feet
Total TPH in Soil in Bioattenuation Zone	<10 mg/kg	<100 mg/kg	<100 mg/kg	<100 mg/kg	<100 mg/kg	<100 mg/kg	<100 mg/kg
Maximum Current Benzene Concentration in Groundwater	Benzene not likely to be present	No criteria	No criteria	<100 µg/L	≥100 and <1,000 µg/L	<1,000 µg/L	No criteria
Oxygen Data within Bioattenuation Zone	No oxygen data	No criteria	No criteria	No oxygen data or <4%	No oxygen data or <4%	≥4% at lower end of zone	≥4% at lower end of zone
Depth of soil vapor measurement beneath foundation	No soil vapor measurements	No criteria	No criteria	No criteria	No criteria	No criteria	≥5 feet

**SCENARIO 4 DIRECT MEASUREMENT OF SOIL VAPOR CONCENTRATIONS**

Site Soil Vapor Data			No Bioattenuation Zone		Bioattenuation Zone	
Constituent	Historic Maximum (µg/m <sup>3</sup> )	Current Maximum (µg/m <sup>3</sup> )	Residential	Commercial	Residential	Commercial
Benzene	----	----	<85	<280	<85,000	<280,000
Ethylbenzene	----	----	<1,100	<3,600	<1,100,000	<3,600,000
Naphthalene	----	----	<93	<310	<93,000	<310,000

If the site does not meet scenarios 1 through 4, does a site-specific risk assessment for the vapor intrusion pathway demonstrate that human health is protected?      ----

If the site does not meet scenarios 1 through 4, has a determination been made that petroleum vapors from soil or groundwater will have no significant risk of adversely affecting human health?      ----

Comments: Residual heating oil contamination in shallow soil was overexcavated and removed from the site. Based on the removal of residual soil contamination, nonvolatile nature of heating oil, and likely absence of groundwater contamination, the site does not appear to pose a threat of vapor intrusion to indoor air.

# ATTACHMENT 5

**ATTACHMENT 5  
LTCP DIRECT CONTACT AND OUTDOOR AIR EXPOSURE CRITERIA**

**LTCP Direct Contact and Outdoor Air Exposure Specific Scenario under which case was closed: Maximum concentrations of petroleum hydrocarbons are less than or equal to those in Table 1 below**

Are maximum concentrations less than those in Table 1 below? **Yes**

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	----	<0.001	----	<0.001	<0.001
LTCP Criteria	Benzene	≤1.9	≤2.8	≤8.2	≤12	≤14
Site Maximum	Ethylbenzene	----	0.005	----	0.005	0.005
LTCP Criteria	Ethylbenzene	≤21	≤32	≤89	≤134	≤314
Site Maximum	Naphthalene	----	<0.005	----	<0.005	<0.005
LTCP Criteria	Naphthalene	≤9.7	≤9.7	≤45	≤45	≤219
Site Maximum	PAHs	----	----	----	----	----
LTCP Criteria	PAHs	≤0.063	NA	≤0.68	NA	≤4.5
If maximum concentrations are greater than those in Table 1, are they less than levels from a site-specific risk assessment?				----		
If maximum concentrations are greater than those in Table 1, has a determination 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?				----		
Comments: ----						

# ATTACHMENT 6



**GEOTRACKER**

**MAP LAYERS**

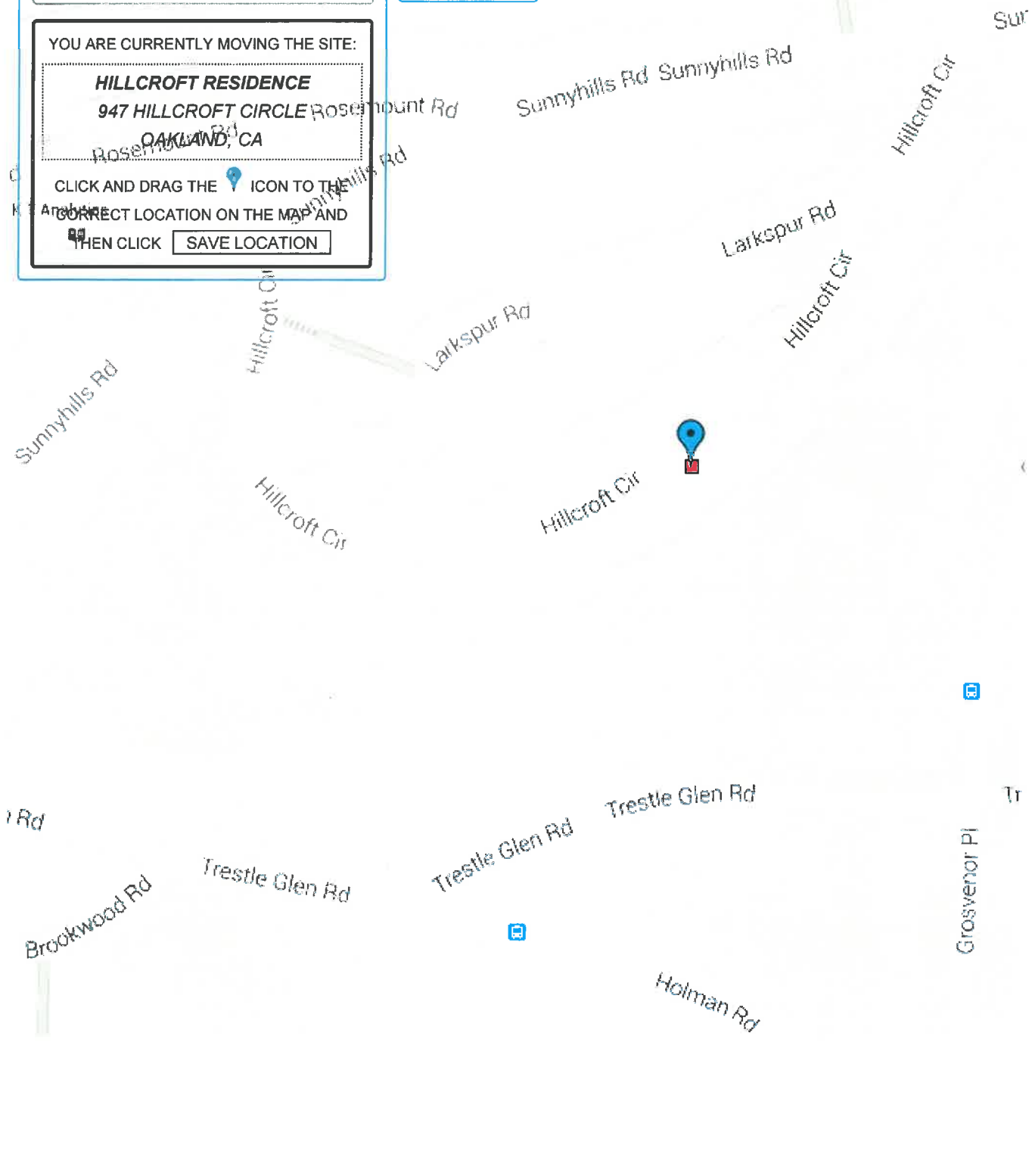
YOU ARE CURRENTLY MOVING THE SITE:

**HILLCROFT RESIDENCE**  
 947 HILLCROFT CIRCLE  
 OAKLAND, CA

CLICK AND DRAG THE  ICON TO THE CORRECT LOCATION ON THE MAP AND THEN CLICK

Enter an address

Map Address



20 m

Map data © 2015 Google

SITES CURRENTLY VISIBLE ON MAP

# ATTACHMENT 7

## LABORATORY ANALYTICAL RESULTS – UST REMOVAL

Laboratory analytical results for the soil samples collected from the excavation and the composite sample collected from the excavation spoils at the time of the UST removal are presented in Table One.

**Table One – Soil Sample Results Given in Parts per Million**

TPH-G: Total Petroleum Hydrocarbons as Gasoline

TPH-D: Total Petroleum Hydrocarbons as Diesel

Date Sampled	Description	Sample ID	TPH-D	TPH-G	Benzene	Toluene	Ethyl Benzene	Xylenes	Naphthalene
6/18/14	Excavation North End	14-725 NE	634	9.5	ND	ND	0.004	0.013	ND
6/18/14	Excavation South End	14-725 SE	595	9.6	ND	ND	0.005	0.011	ND
6/18/14	Excavation Spoils	12-725-SP 1,2,3,4	304	ND	ND	ND	ND	ND	ND

Copies of the Chain of Custody forms and all laboratory data sheets are presented in Appendix C.

### OVEREXCAVATION OF CONTAMINATED SOIL

Due to the elevated levels of TPH-D present in the soil samples collected at the time of the UST removal, it was discussed with and approved by Inspector Sheryl Skillern that excavation would continue to remove the impacted soil. Approval was received from Ox Mountain Landfill in Half Moon Bay, California for soil disposal. Excavation began on July 23, 2014 to remove the visibly contaminated soil. Overexcavation was completed on July 25, 2014, when clean soil was encountered and stained soil was removed expanding the excavation from a width of seven feet at the top to a width of 12 feet at the bottom, to a length of 16 feet and depth of 15.5 feet. Approximately 53.29 tons of soil was transported to Ox Mountain Landfill for disposal. Weight tickets are located in Appendix B. The excavation was filled with controlled density fill and the site was restored.

### SOIL SAMPLE COLLECTION – OVEREXCAVATION

Confirmation soil samples were collected on July 25, 2014 under the direction of Sheryl Skillern. Two soil samples were collected, one from the east end of the excavation at a depth of 15 feet below surface grade and one from the west end of the excavation at a depth of 15 feet below surface grade.

The soil samples were collected in pre-cleaned stainless steel tubes. The filled stainless steel tubes were capped with Teflon tape and plastic caps at each end and sealed. Following collection, the soil samples were properly labeled and placed in a chilled cooler to preserve the samples until delivery to the analytical

laboratory. Chain of Custody protocol was followed during sampling procedures and transport to the selected testing laboratory.

The soil samples were analyzed for:

Diesel Range Hydrocarbons by Method 8015M  
Benzene, Toluene, Ethylbenzene and Xylenes (BTEX)  
by Method 8260B  
Naphthalene Method 8260B

### LABORATORY ANALYTICAL RESULTS – OVEREXCAVATION

Laboratory analytical results for the soil samples collected from the excavation and the composite sample collected from the excavation spoils at the time of the UST removal are presented in Table Two.

**Table Two – Soil Sample Results Given in Parts per Million**

TPH-G: Total Petroleum Hydrocarbons as Gasoline  
TPH-D: Total Petroleum Hydrocarbons as Diesel

Date Sampled	Description	Sample ID	TPH-D	Benzene	Toluene	Ethyl Benzene	Xylenes	Naphthalene
7/25/14	Excavation East End	14-725 EE	ND	ND	ND	ND	ND	ND
7/25/14	Excavation West End	14-725 WE	ND	ND	ND	ND	ND	ND

Copies of the Chain of Custody forms and all laboratory data sheets are presented in Appendix C.

### DISCUSSION

The UST was removed, and transported to a recycling facility. Numerous holes were observed in the tank. Soil staining and petroleum odors were present during UST removal activities. Due to elevated levels of TPH as diesel reported to be present in the soil samples collected from the excavation, overexcavation and disposal of impacted soil was approved. Approximately 53.29 tons of soil were removed and taken to Ox Mountain Landfill for disposal. **Confirmation samples collected after removal of the impacted soil were ND for TPH as diesel, BTEX and Naphthalene.**

### EXCLUSION

LWES assumes no responsibility or liability for the reliance hereon or hereof of the information contained in this report by anyone other than the party to whom it is addressed.