

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

ALEX BRISCOE, Director



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

December 17, 2014

Grace K. Giese Trust
c/o Vincent Giese
4845 Proctor Road
Castro Valley, CA 94546

Carlanne M. & Vincent J. Giese Trust
3776 Somerset Ave.
Castro Valley, CA 94546

Christopher Giese
4301 W. William Cannon Dr., Ste B150
Austin, TX 78749

William V. & Joan D. Mullen
1875 Via Hermana
San Lorenzo, CA 94580

Subject: Case Closure for Fuel Leak Case No. RO0003104 (Global ID T10000004353), Giese Property,
4845 Proctor Road, Castro Valley, CA 94546

Dear Responsible Parties:

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.waterboards.ca.gov>) and the Alameda County Environmental Health website (<http://www.acgov.org/aceh/index.htm>).

This site has been closed with no site management requirements.

If you have any questions, please call Karel Detterman at (510) 567-6708. Thank you.

Sincerely,

A handwritten signature in blue ink, appearing to read "Dilan Roe".

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

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

cc with enclosures:

Sandra Rivera, Alameda County Planning Dept., Community Development Agency, 224 West Winton Ave., Room 111, Hayward, CA 94544-1215
Dilan Roe, ACEH, (sent via e-mail to: dilan.roe@acgov.org)
Karel Detterman, ACEH, (sent via electronic mail to karel.detterman@acgov.org)
e-File, GeoTracker



REMEDIAL ACTION COMPLETION CERTIFICATION

December 17, 2014

Grace K. Giese Trust
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4845 Proctor Road
Castro Valley, CA 94546

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Subject: Case Closure for Fuel Leak Case No. RO0003104 (Global ID T10000004353), Giese Property,
4845 Proctor Road, Castro Valley, CA 94546

Dear Responsible Parties:

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,

A handwritten signature in black ink, appearing to read "Ariu Levi", written over a horizontal line.

Ariu Levi
Director

UST Case Closure Summary Form

Agency Information

Date: December 17, 2014

Agency Name: Alameda County Environmental Health	Address: 1131 Harbor Bay Parkway
City/State/Zip: Alameda, CA 94502-6577	Phone: 510-567-6708
Staff Person: Karel Detterman	Title: Hazardous Materials Specialist

Case Information

Facility Name: Giese Property		
Facility Address: 4845 Proctor Road, Castro Valley, CA 94546		
RB LUSTIS Case No: ----	Local Case No.: ----	LOP Case No.: RO0003104
URF Filing Date: ---	GeoTracker Global ID: T10000004353	
APN: 84D-1190-8	Current Land Use: Residential	
Responsible Party(s):	Address:	Phone:
Grace K. Giese Trust c/o Vincent Giese	4845 Proctor Road, Castro Valley, CA 94546	----
Carlanne M. & Vincent J. Giese Trust	3776 Somerset Ave., Castro Valley, CA 94546	----
Christopher Giese	4301 W. William Cannon Dr., Ste. B150, Austin, TX 78749	----
William V. & Joan D. Mullen	1875 Via Hermana, San Lorenzo, CA 94580	----

Tank Information

Tank No.	Size (gal)	Contents	Closed in-Place/ Removed/Active	Date
----	500	Gasoline	Removed	April 19, 2012

Attachment 1 Geotracker Conceptual Site Model (1 page)

Attachment 2 Geotracker Low Threat Closure Policy (LTCP) (1 page)

Attachment 3 LTCP Groundwater Specific Criteria (1 page)

Attachment 4 LTCP Vapor Specific Criteria (1 page)

Attachment 5 LTCP Direct Contact and Outdoor Air Exposure Criteria (2 pages)

Attachment 6 Site Vicinity Map and Site Plan (2 pages)

Attachment 7 Soil and Groundwater Analytical Data (2 pages)

UST Case Closure Summary Form

Additional Information:

Water Supply Wells in Vicinity:

The assumed groundwater gradient direction is to the southwest based on Fuel Leak Case RO0000352 located at 18950 Lake Chabot Road, Castro Valley. Seven wells were identified from an Alameda County Public Works Agency search: Four wells are irrigation wells, one well is in domestic use, and two wells are of unknown use. The closest well is the domestic well and is located approximately 600 feet northeast and upgradient from the site. The closest well in the assumed downgradient direction is located approximately 1,600 feet west southwest of the site.


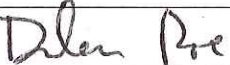
This fuel leak case has been evaluated for closure consistent with the State Water Resource Control Board Low-Threat Underground Storage Tank Closure Policy (LTCP). Based on this evaluation, no site management requirements appear to be necessary. However, excavation or construction activities in areas of residual contamination require planning and implementation of appropriate health and safety procedures by the responsible party prior to and during excavation and construction activities.

RWQCB Notification

Notification Date: June 20, 2014

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

Prepared by: Karel Detterman, P.G.	Title: Hazardous Materials Specialist
Signature: 	Date: 12/16/2014
Approved by: Dilan Roe, P.E.	Title: LOP and SCP Program Manager
Signature: 	Date: 12/16/2014

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

GIESE PROPERTY (T10000004353) - [MAP THIS SITE](#)

OPEN - ELIGIBLE FOR CLOSURE

4845 PROCTOR RD
CASTRO VALLEY, CA 94546
ALAMEDA COUNTY

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

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

CLEANUP OVERSIGHT AGENCIES

ALAMEDA COUNTY LOP (**LEAD**) - CASE #: RO0003104
CASEWORKER: [KAREL DETTERMAN](#) - **SUPERVISOR:** DILAN ROE
SAN FRANCISCO BAY RWQCB (REGION 2)
CASEWORKER: [Cherie McCaulou](#) - **SUPERVISOR:** Cheryl L. Prowell

THIS PROJECT WAS LAST MODIFIED BY [KAREL DETTERMAN](#) ON 6/20/2014 12:07:25 PM - [HISTORY](#)

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

UST CLEANUP FUND CLAIM INFORMATION (DATA PULLED FROM SCUFIIS)

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

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

SITE NAME / ADDRESS	STATUS	STATUS DATE	RELEASE REPORT DATE	AGE OF CASE	CLEANUP OVERSIGHT AGENCIES
GIESE PROPERTY (Global ID: T10000004353) 4845 PROCTOR RD CASTRO VALLEY, CA 94546	Open - Eligible for Closure	6/10/2014	9/6/2012	2	ALAMEDA COUNTY LOP (LEAD) - CASE #: RO0003104 CASEWORKER: KAREL DETTERMAN - SUPERVISOR: DILAN ROE SAN FRANCISCO BAY RWQCB (REGION 2) CASEWORKER: Cherie McCaulou - SUPERVISOR: Cheryl L. Prowell

STAFF NOTES (INTERNAL)

On April 19, 2012, one 500 gallon underground storage tank (UST) was removed from the site. Visible holes were observed on both ends of the UST during removal. Water infiltrated the UST pit and a water sample collected from the pit detected 0.73 parts per billion (ppb) benzene, 23.4 ppb xylenes, and 120 ppb Total Petroleum Hydrocarbons as gasoline (TPHg). A soil sample collected from beneath the fuel dispenser detected 3.2 parts per million TPHg. The detections of petroleum hydrocarbons in soil and water indicate an unauthorized release may have occurred from the underground storage tank system at this site.

SITE HISTORY

On April 19, 2012, one 500 gallon underground storage tank (UST) was removed from the site. Visible holes were observed on both ends of the UST during removal. Water infiltrated the UST pit and a water sample collected from the pit detected 0.73 parts per billion (ppb) benzene, 23.4 ppb xylenes, and 120 ppb Total Petroleum Hydrocarbons as gasoline (TPHg). A soil sample collected from beneath the fuel dispenser detected 3.2 parts per million TPHg. The detections of petroleum hydrocarbons in soil and water indicate an unauthorized release may have occurred from the underground storage tank system at this site.

CLEANUP ACTION INFO

NO CLEANUP ACTIONS HAVE BEEN REPORTED

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
Diesel, Gasoline	Residential	GW - Municipal and Domestic Supply	Tank	9/6/2012	Close and Remove Tank	0

FREE PRODUCT	OTHER CONSTITUENTS	NAME OF WATER SYSTEM	LAST REGULATORY ACTIVITY	LAST ESI UPLOAD	LAST EDF UPLOAD	EXPECTED CLOSURE DATE	MOST RECENT CLOSURE REQUEST
NO	NO	EBMUD	6/17/2014				

CDPH WELLS WITHIN 1500 FEET OF THIS SITE

NONE

CALCULATED FIELDS (BASED ON LATITUDE / LONGITUDE)

APN	GW BASIN NAME	WATERSHED NAME
084D119000800		South Bay - East Bay Cities (20420)
COUNTY	PUBLIC WATER SYSTEM(S)	
Alameda	• EAST BAY MUD - 375 ELEVENTH STREET, OAKLAND, CA 94607	

MOST RECENT CONCENTRATIONS OF PETROLEUM CONSTITUENTS IN GROUNDWATER - [SHOW](#) [VIEW ESI SUBMITTALS](#)

MOST RECENT CONCENTRATIONS OF PETROLEUM CONSTITUENTS IN SOIL - [SHOW](#) [VIEW ESI SUBMITTALS](#)

MOST RECENT GEO_WELL DATA - [SHOW](#) [VIEW ESI SUBMITTALS](#)

ATTACHMENT 2

GIESE PROPERTY (T10000004353) - [MAP THIS SITE](#)

OPEN - ELIGIBLE FOR CLOSURE

4845 PROCTOR RD
CASTRO VALLEY , CA 94546
ALAMEDA COUNTY

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

CLEANUP OVERSIGHT AGENCIES

ALAMEDA COUNTY LOP (LEAD) - CASE #: RO0003104
CASEWORKER: [KAREL DETTERMAN](#) - SUPERVISOR: DILAN ROE
SAN FRANCISCO BAY RWQCB (REGION 2)
CASEWORKER: [Cherie McCaulou](#) - SUPERVISOR: Cheryl L. Prowell

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

THIS PROJECT WAS LAST MODIFIED BY [KAREL DETTERMAN](#) ON 6/20/2014 12:07:25 PM - [HISTORY](#)

CLOSURE POLICY

THIS VERSION IS FINAL AS OF 6/10/2014

CHECKLIST INITIATED ON 7/26/2013

[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?

Name of Water System :

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](#)

YES

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](#)

YES

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):

YES

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](#)

YES

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 14/15?

YES NO

[SPELL CHECK](#)

**ATTACHMENT 3
LTCP GROUNDWATER SPECIFIC CRITERIA**

LTCP Groundwater Specific Scenario under which case was closed: Scenario 5

Site Data		LTCP Scenario 1 Criteria	LTCP Scenario 2 Criteria	LTCP Scenario 3 Criteria	LTCP Scenario 4 Criteria
Plume Length	----	<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	---	Stable or decreasing	Stable or decreasing	Stable or decreasing for minimum of 5 Years	Stable or decreasing
Distance to Nearest Water Supply Well	1,600 feet downgradient and west southwest	>250 feet	>1,000 feet	>1,000 feet	>1,000 feet
Distance to Nearest Surface Water and Direction	Almond Reservoir 1,530 feet downgradient and southwest	>250 feet	>1,000 feet	>1,000 feet	>1,000 feet
Property Owner Willing to Accept a Land Use Restriction?	----	Not applicable	Not applicable	Yes	Not applicable

GROUNDWATER CONCENTRATIONS

Constituent	Historic Site Maximum (ug/L)	Current Site Maximum (ug/L)	LTCP Scenario 1 Criteria (ug/L)	LTCP Scenario 2 Criteria (ug/L)	LTCP Scenario 3 Criteria (ug/L)	LTCP Scenario 4 Criteria (ug/L)
Benzene	0.73*	0.73*	No criteria	< 3,000	No criteria	< 1,000
MTBE	< 0.20*	< 0.20*	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?

Yes

* Surface water sample from UST excavation
 Comments: No discoloration or hydrocarbon odors were observed in the UST overburden or in the soil beneath the UST. No groundwater was observed in the excavation during the UST removal activities. Analytical results of surface water that infiltrated into the tank pit and confirmation soil samples indicate a minor release had occurred. Based on the soil sample analytical results, it is unlikely that groundwater was impacted by the former UST. The nearest down-gradient well is located approximately 1,600 feet west southwest of the site and outside the maximum Total Petroleum Hydrocarbon as gasoline (TPHg) plume length of 855 feet. Natural attenuation will decrease potential TPHg impact in groundwater within this plume length.

**ATTACHMENT 4
LTCP VAPOR SPECIFIC CRITERIA**

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

Active Fueling Station	Active as of: ----						
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 NAPL	No NAPL	LNAPL in groundwater	LNAPL in soil	No NAPL	No NAPL	No NAPL	No criteria
Thickness of Bioattenuation Zone Beneath Foundation	≥5 feet	≥30 feet	≥30 feet	≥5 feet	≥10 feet	≥5 feet	≥5 feet
Total TPH in Bioattenuation Zone	<100 ppm	<100 mg/kg	<100 mg/kg	<100 mg/kg	<100 mg/kg	<100 mg/kg	<100 mg/kg
Maximum Current Benzene Concentration in Groundwater	0.73 ug/L	No criteria	No criteria	<100 ug/L	≥100 and <1,000 ug/L	<1,000 ug/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 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 ³)	Current Maximum (µg/m ³)	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?

**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 below ground surface (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	----	< 0.50	----	< 0.50	< 0.50
LTCP Criteria	Benzene	≤1.9	≤2.8	≤8.2	≤12	≤14
Site Maximum	Ethylbenzene	----	< 0.50	----	< 0.50	< 0.50
LTCP Criteria	Ethylbenzene	≤21	≤32	≤89	≤134	≤314
Site Maximum	Naphthalene	----	----	----	----	----
LTCP Criteria	Naphthalene	≤9.7	≤9.7	≤45	≤45	≤219
Site Maximum	Polyaromatic hydrocarbons (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 <u>site-specific risk assessment</u> ?				----		
If maximum concentrations are greater than those in Table 1, has a <u>determination been made</u> 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?				----		

No soil samples were collected between 0–5 feet bgs. However, during excavation of the UST, the void was backfilled with clean imported fill and stockpiled overburden from the excavation. Stockpile analytical results were not detected for TPHg or benzene. Naphthalene was not included in the analysis of soil samples collected at the site. This apparent data gap can be addressed using the published relative concentrations of naphthalene and benzene in gasoline. This approach has been used by SWRCB staff in recent Closure Orders pursuant to the Policy (e.g., SWRCB WQ Order 2013-0003): Gasoline mixtures contain an average of approximately 2 percent benzene and 0.25 percent naphthalene (Potter and Simmons 1998); therefore, benzene concentrations can be directly substituted for naphthalene concentrations with a safety factor of about 10. The maximum benzene concentrations from the Site are less than the naphthalene criteria in Table 1 of the Policy. Therefore, the estimated naphthalene concentrations at the Site meet the Policy criteria for direct contact by a factor of about 10. It is highly unlikely that naphthalene concentrations in the soil, if any, exceed the Policy criteria. Soil samples were not analyzed for PAHs as there was no waste oil UST.

ATTACHMENT 6



GOLDEN GATE TANK REMOVAL, INC.
 1455 Yosemite Avenue
 San Francisco, CA 94124
 Ph (415) 512-1555 Fx (415) 512-0964

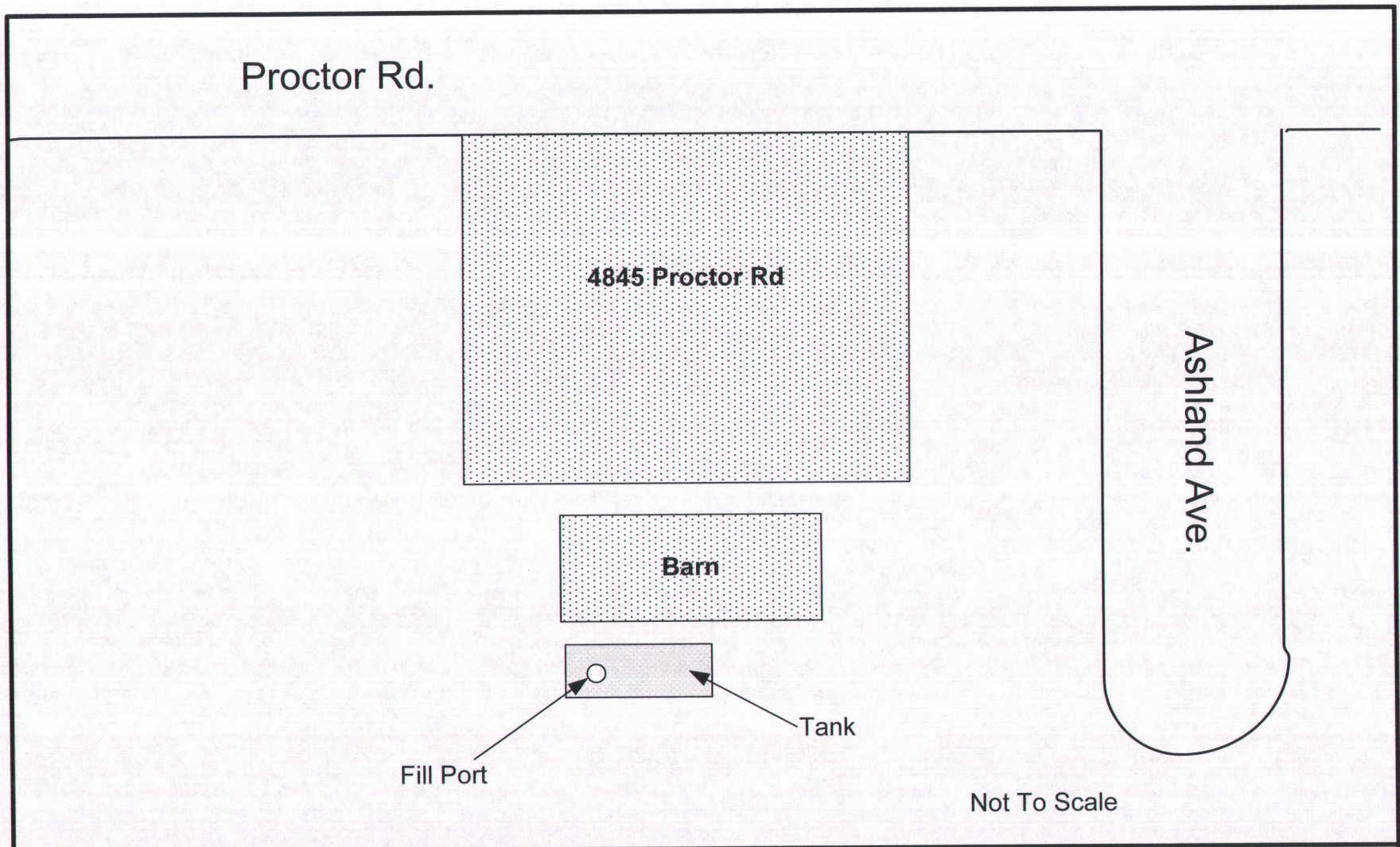
VICINITY MAP
 4845 Proctor Road
 Castro Valley, CA 94546

GGTR Project No.9263

Drawing By: AC

January 2012

Figure 1



GOLDEN GATE TANK REMOVAL, INC.
 1455 Yosemite Avenue
 San Francisco, California 94124
 Phone (415) 512-1555 Fax (415) 512-0964

Site Drawing
 4845 Proctor Road
 Castro Valley, California 94546

GGTR Proj. No. 9263

Figure By:AC

January 2012

Figure 2

ATTACHMENT 7



Accutest Northern California, Inc.		Apr 27, 2012 14:57 pm	
Job Number:	C21438		
Account:	Golden Gate Tank Removal		
Project:	4845 Proctor Road, Castro Valley, CA		
Project Number:	9263		
		Legend:	Hit
Client Sample ID:		9263-EX-W	
Lab Sample ID:		C21438-1	
Date Sampled:		04/19/2012	
Matrix:		Water	
GC/MS Volatiles (SW846 8260B)			
Benzene	ug/l	0.73 J	
Toluene	ug/l	12.3	
Ethylbenzene	ug/l	5.3	
Xylene (total)	ug/l	23.4	
1,2-Dibromoethane	ug/l	ND (0.20)	
1,2-Dichloroethane	ug/l	ND (0.20)	
Di-Isopropyl ether	ug/l	ND (0.22)	
Ethyl Tert Butyl Ether	ug/l	ND (0.22)	
Methyl Tert Butyl Ether	ug/l	ND (0.20)	
Tert-Amyl Methyl Ether	ug/l	ND (0.40)	
Tert-Butyl Alcohol	ug/l	ND (2.4)	
TPH-GRO (C6-C10)	ug/l	120	
GC Semi-volatiles (SW846 8015B M)			
TPH (C10-C28)	mg/l	0.339	
Metals Analysis			
Lead	ug/l	52.6	
Client Sample ID:		9263-COMP(A-D)	9263-D-2
Lab Sample ID:		C21438-7	C21438-2
Date Sampled:		04/19/2012	04/19/2012
Matrix:		Soil	Soil
GC/MS Volatiles (SW846 8260B)			
Benzene	ug/kg	ND (25)	ND (0.50)
Toluene	ug/kg	ND (25)	ND (0.50)
Ethylbenzene	ug/kg	ND (25)	ND (0.50)
Xylene (total)	ug/kg	ND (50)	ND (1.0)
1,2-Dibromoethane	ug/kg	ND (25)	ND (0.50)
1,2-Dichloroethane	ug/kg	ND (25)	ND (0.50)
Di-Isopropyl ether	ug/kg	ND (25)	ND (0.50)
Ethyl tert-Butyl Ether	ug/kg	ND (25)	ND (0.50)
Methyl Tert Butyl Ether	ug/kg	ND (50)	ND (1.0)
Tert-Amyl Methyl Ether	ug/kg	ND (25)	ND (0.50)
Tert Butyl Alcohol	ug/kg	ND (500)	ND (10)



TPH-GRO (C6-C10)	ug/kg	ND (2500)	ND (50)
GC Semi-volatiles (SW846 8015B M)			
TPH (C10-C28)	mg/kg	ND (2.4)	3.20 J
Metals Analysis			
Lead	mg/kg	10.3	20.0