



*Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510)567-6700 FAX (510)337-9335 cc:458*

REMEDIAL ACTION COMPLETION CERTIFICATION

StID 25 - 6436 Foothill Blvd, Oakland, CA 94605

February 6, 1996

Mr. Cecil Reeves
678 14th Street
Oakland, CA 94612

Dear Mr. Reeves:

This letter confirms the completion of site investigation and remedial action for the former underground storage tank (1-550 gallon gasoline tank) removed from the above site on June 23, 1993. Enclosed is the Case Closure Summary for the referenced site for your records.

Based upon the available information, including the current land use, and with the provision that the information provided to this agency was accurate and representative of site conditions, no further action related to the underground tank release is required.

This notice is issued pursuant to a regulation contained in Title 23, Division 3, Chapter 16, Section 2721(e) of the California Code of Regulations. Please contact Ms. Eva Chu at (510) 567-6700 if you have any questions regarding this matter.

Very truly yours,

A handwritten signature in cursive script that reads "Jun Makishima".

Jun Makishima, Interim Director

cc: Chief, Division of Environmental Protection
Kevin Graves, RWQCB
Mike Harper, SWRCB (with attachment)
files (reeves10)

01-0456

ENVIRONMENTAL PROTECTION PROGRAM PM 1:41

CASE CLOSURE SUMMARY
Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION

Date: December 14, 1995

Agency name: Alameda County-HazMat **Address:** 1131 Harbor Bay Pkwy
City/State/Zip: Alameda, CA 94502 **Phone:** (510) 567-6700
Responsible staff person: Eva Chu **Title:** Hazardous Materials Spec.

II. CASE INFORMATION

Site facility name: Cecil Reeves
Site facility address: 6436 Foothill Blvd, Oakland 94605
RB LUSTIS Case No: N/A **Local Case No./LOP Case No.:** 25
URF filing date: 7/5/93 **SWEEPS No:** N/A

<u>Responsible Parties:</u>	<u>Addresses:</u>	<u>Phone Numbers:</u>
Cecil Reeves	678 14th St, Oakland 94612	510/451-7317

<u>Tank No:</u>	<u>Size in gal.:</u>	<u>Contents:</u>	<u>Closed in-place or removed?:</u>	<u>Date:</u>
1	550	Gasoline	Removed	6/23/93

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: Leaking UST
Site characterization complete? YES
Date approved by oversight agency: 10/4/95
Monitoring Wells installed? No **Number:**
Proper screened interval? NA
Highest GW depth below ground surface: **Lowest depth:** NA
Flow direction: NA
Most sensitive current use: Commercial
Are drinking water wells affected? No **Aquifer name:**
Is surface water affected? No **Nearest affected SW name:** NA
Off-site beneficial use impacts (addresses/locations): None

Report(s) on file? YES **Where is report(s) filed?** Alameda County
1131 Harbor Bay Pkwy
Alameda, CA 94502

Treatment and Disposal of Affected Material:

<u>Material</u>	<u>Amount (include units)</u>	<u>Action (Treatment or Disposal w/destination)</u>	<u>Date</u>
Tank & Piping	1 UST	Erickson, in Richmond	6/23/93
Soil	Aerated and reused onsite		

Maximum Documented Contaminant Concentrations - - Before and After Cleanup

Contaminant	Soil (ppm)		Water (ppb)	
	Before ¹	After	Before ²	After
TPH (Gas)	2,720	520	800	
Benzene	0.78	ND	2	
Toluene	24	0.73	2	
Ethylbenzene	20	2.0	13	
Xylenes	130	15	56	
Heavy metals	Total Pb		43	310
Other				

NOTE 1 Soil sample from gasoline tank pit
 2 "Grab" groundwater collected from boring B-1 at 45' bgs.

Comments (Depth of Remediation, etc.):

See Section VII, Additional Comments, etc...

IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? **Undetermined**
 Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? **Undetermined**
 Does corrective action protect public health for current land use? **YES**
 Site management requirements: **None**

Should corrective action be reviewed if land use changes? **YES**
 Monitoring wells Decommissioned: **NA**
 Number Decommissioned: Number Retained: **NA**
 List enforcement actions taken: **NOVs issued 10/7/93, 5/24/94, Review Panel on 3/28/95**

List enforcement actions rescinded: **Above, subsurface investigation began**

V. LOCAL AGENCY REPRESENTATIVE DATA

Name: Eva Chu Title: Haz Mat Specialist

Signature: *Eva Chu* Date: 12/27/95

Reviewed by

Name: Amy Leech Title: Haz Mat Specialist

Signature: *Amy Leech* Date: 12/14/95

Name: Madhulla Logan Title: Haz Mat Specialist

Signature: *Madhulla Logan* Date: 12/19/95

VI. RWQCB NOTIFICATION

Date Submitted to RB: 12/28/95 RB Response: *Approved*

RWQCB Staff Name: Kevin Graves Title: AWRCE

Signature: *Kevin Graves* Date: 1/31/95

VII. ADDITIONAL COMMENTS, DATA, ETC.

A 550 gallon gasoline UST was removed in June 23, 1993. The tank was corroded and had several holes (up to 1" in diameter) on the bottom. A soil sample was collected below the fill end of the tank at approximately 8' depth. This sample detected 2,720 ppm TPH-G, and 0.78, 24, 20, and 130 ppm BTEX, respectively.

The following day the pit was overexcavated to 15' depth. Three pit bottom samples (T-2, 3, and 4) and two sidewall samples (T-5 and 6) at 9' depth were collected. Up to 520 ppm TPH-G, and ND, 0.73, 2.0, and 15 ppm BTEX, respectively, was left in place. (See Fig 1).

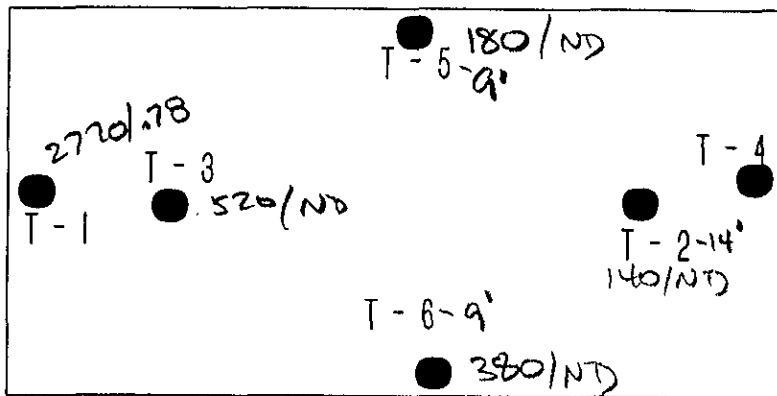
On August 29, 1995, three soil borings (B-1, 2, and 3) were emplaced around and approximately 10' from the former UST pit to delineate the extent of soil contamination and to determine if groundwater was impacted by the fuel release. Soil samples collected at 5' intervals from the borings did not detect TPH-G or BTEX, except boring B-1 at 45' bgs, which detected 0.2 ppm TPH-G. A "grab" groundwater sampled collected from B-1 at approximately 45' bgs detected 800 ppb TPH-G, and 2, 2, 13, and 56 ppb BTEX, respectively. Boring B-1 was drilled approximately 10' southwest of the former pit, in the assumed downgradient direction. (See Fig 2, Table 1.)

It appears the fuel release to subsurface soil is limited to the immediate vicinity of the former tank. Overexcavation removed most of the contaminated soil to a depth of 15'. Analysis of soil samples collected from boring B-1 at 15, 25, and 35' bgs. did not detect TPH-G or BTEX. This suggests the low levels of petroleum hydrocarbons detected in the "grab" groundwater sample is not the result of fuel release from the former UST. This is also supported by the fact that sediments at the site consists of "hard" silty sand/sandy silts from 15 to at least 50' bgs. Migration of residual contaminants through these sediments, to a depth of 45', to impact groundwater quality is minimal. Permanent groundwater monitoring wells are not warranted at this site. (See boring log B-1).

Up to 43 ppm total lead was detected in soil beneath the former UST at approximately 8' depth. This level is within "normal" geogenic concentrations for this area. A "grab" groundwater sample collected at 45' depth, from boring B-1, detected 310 ppb soluble lead. This, too, may be due to geogenic Pb entrained in sediments at groundwater depth. Even though this level is above the CA MCLs, groundwater beneath the site is not used for drinking purposes. Additional investigations are not warranted.

RESIDENTIAL BUILDING

G A R A G E
B U I L D I N G



TANK LOCATION

S I D E W A L K

F O O T H I L L

B O U L E V A R D

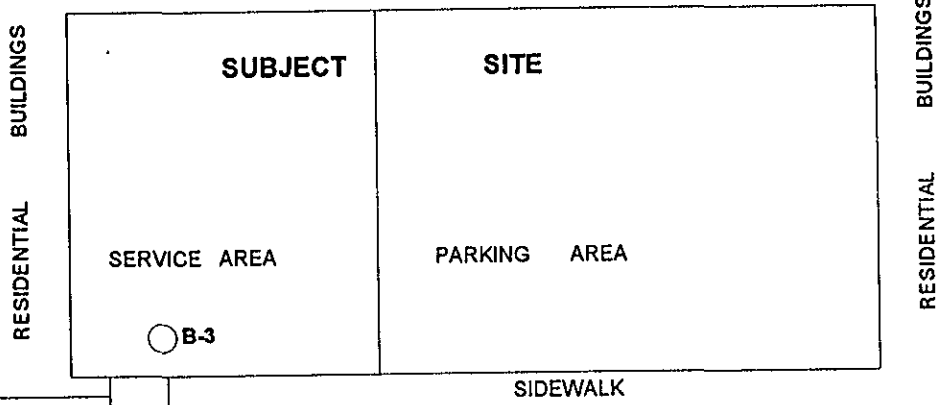
ppm TPH-6/benzene

FIGURE 1

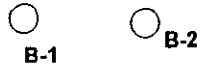
MAP TYPE	STE PLAN	● SAMPLES LOCATION
ADDRESS: 6436 FOOTHILL BOULEVARD, OAKLAND, CA.		SCALE 1 : 2
SEQUOIA ENVIRONMENTAL CONSULTING SERVICES		JOB CODE: REVES-01
SAN LEANDRO, CA.		JULY 12, 1993
		(510) 814-1900



RESIDENTIAL BUILDINGS



FORMER LOCATION
OF UNDERGROUND
STORAGE TANK



FOOTHILL BOULEVARD

RESIDENTIAL BUILDINGS

FIGURE 2

MAP TYPE: SITE PLAN

○ SOIL BORING LOCATION

SITE ADDRESS: 6436 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA

DATE: SEPTEMBER 15, 1995

PROJECT CODE: SECS/REVS-04

SCALE: 1' : 30'

SEQUOIA ENVIRONMENTAL CONSULTING SERVICES

(510) 414-1800
SAN LEANDRO, CA

TABLE 1

Summary of Laboratory Results
6436 Foothill Boulevard
Oakland, California

August 29, 1995

Sample ID	TPH-G	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Total Lead
B1-15'	ND	ND	ND	ND	ND	
B1-25'	ND	ND	ND	ND	ND	
B1-35'	ND	ND	ND	ND	ND	
B1-45'	0.2	ND	ND	ND	ND	
B2-10'	ND	ND	ND	ND	ND	
B2-20'	ND	ND	ND	ND	ND	
B3-5'	ND	ND	ND	ND	ND	
B3-15'	ND	ND	ND	ND	ND	
B1-GW	0.8	2	2	13	56	0.31
	ppm	ppb				ppm

All soil samples results are in parts per million (ppm).
BTEX results for the grabwater sample are in parts per billion (ppb).
Lead and TPH-G results are in parts per million (ppm).

ND = Non-detect or not detected.

DRILLING AND LITHOLOGIC LOG

BORING B-1

DESCRIPTION	DEPTH	USCS SYMBOL	SAMPLES			WELL CONSTRUCTION	
			NUMBER	CONDITION	BLOWS	PIPE	FILL
SANDY SILT: Brown; about 40% very fine to fine, hard, rounded sand; about 60% silt, low to medium toughness, low to medium plasticity; moist; no hydrocarbon odor; no reaction with HCL; OVA 0 ppm.	30	MH	B1-30'		7 9 12		
SANDY SILT: Brown; Same As Above	35	MH	B1-35'		10 12 14		
SILTY SAND: Brown; about 40% silt, low to medium toughness, non to low plasticity; about 60% very fine to fine, rounded, hard sand; very moist; no hydrocarbon odor; no reaction with HCL; OVA 0 ppm.	40	ML	B1-40'		9 12 13		
SILTY SAND: Brown; Same As Above.	45	ML	B1-45'		11 16 20		
SILTY SAND: Brown; about 40% silt, low to medium toughness, non to low plasticity; about 60% very fine to fine, rounded, hard sand; wet; no petroleum hydrocarbon odor; no reaction with HCL; OVA 0 ppm.	50	ML	B1-50'		15 24 35		
	55						
	60						
	65						

DRILLING AND LITHOLOGIC LOG

BORING B-1

PROJECT NAME: Revees LOCATION: 436 Foothill Boulevard, Oakland, California
 DRILLING METHOD: Hollow Stem Auger TOTAL DEPTH OF HOLE: 50 Feet DATE DRILLED: August 29, 1995
 INITIAL DEPTH TO GROUNDWATER: 50 Feet STATIC WATER LEVEL: N/A LENGTH OF SCREEN: N/A
 DIAMETER OF SCREEN: N/A SLOT SIZE: N/A LENGTH OF CASING: N/A DIAMETER OF CASING: N/A
 SAMPLER TYPE: California Modified Split Spoon Sampler DRILLING COMPANY: Bayland Drilling Company, Menlo Park
 LOGGED BY: Chris Wabuzoh REVIEWED BY: Ola Balogun, P.E. CA #41747
 CORE SAMPLE CONDITION LEGEND UNDISTURBED DISTURBED NO RECOVERY

DESCRIPTION	DEPTH	USCS SYMBOL	SAMPLES			WELL CONSTRUCTION	
			NUMBER	CONDITION	BLOWS	PIPE	FILL
GRAVELLY SAND: Brown; about 70% fine to coarse, hard, angular to sub-rounded sand; about 30% hard, angular gravel, maximum size 19mm; moist; no hydrocarbon odor; no reaction with hydrochloric acid (HCL); some iron staining; OVA 1 ppm.	5	SP	B1-5'	<input checked="" type="checkbox"/>	5		
				<input checked="" type="checkbox"/>	11		
				<input checked="" type="checkbox"/>	15		
GRAVELLY SAND WITH SILT: Brown; about 50% very fine to coarse, hard, subangular to rounded sand; about 15% silt with non to low plasticity, low toughness; about 35% hard, subangular gravel, maximum size 6mm; moist; no hydrocarbon odor; no reaction with HCL; some iron staining; OVA 0 ppm.	10	SP	B1-10'	<input checked="" type="checkbox"/>	9		
				<input checked="" type="checkbox"/>	6		
				<input checked="" type="checkbox"/>	8		
SAND SILT: Brown; about 60% fines, low to medium toughness, low plasticity; about 40% very fine to coarse, hard, subrounded to rounded sand, maximum size 3mm; moist; no hydrocarbon odor; no reaction with HCL; OVA 0 ppm.	15	MH	B1-15'	<input checked="" type="checkbox"/>	15		
				<input checked="" type="checkbox"/>	16		
				<input checked="" type="checkbox"/>	19		
SANDY SILT: Brown; Same As Above	20	MH	B1-20'	<input checked="" type="checkbox"/>	8		
				<input checked="" type="checkbox"/>	10		
				<input checked="" type="checkbox"/>	15		