

ALAMEDA COUNTY  
HEALTH CARE SERVICES  
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

April 5, 1995  
STID 1098

DEPARTMENT OF ENVIRONMENTAL HEALTH  
ALAMEDA COUNTY CC4580  
DEPT. OF ENVIRONMENTAL HEALTH  
ENVIRONMENTAL PROTECTION DIVISIO  
1131 HARBOR BAY PKWY., #250  
ALAMEDA CA 94502-6577

**REMEDIAL ACTION COMPLETION CERTIFICATION**

Mr. Alfonso Chan  
828 Harrison St., #203  
Oakland CA 94607

Lyn Walker  
Shell Oil Co.  
PO Box 4023  
Concord CA 94524

RE: Quality Tune Up (former Shell Service Station), 246-14th  
St., Oakland CA 94612

Dear Mr. Chan and Mr. Walker,

This letter confirms the completion of site investigation and remedial action for the former five underground storage tanks (USTs) at the above referenced site. These USTs included three 5,000-gallon gasoline USTs, a 1,000-gallon waste oil UST, and a 8,000-gallon gasoline UST.

Based on the available information, 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.

If you have any questions regarding this letter, please contact Jennifer Eberle at (510) 567-6700, ext. 6761.

Very truly yours,

A handwritten signature in black ink that reads "Rafat A. Shahid".

Rafat A. Shahid, Director

cc: Ariu Levi, Acting Chief, Hazardous Materials Division/files  
Kevin Graves, RWQCB  
Mike Harper, SWRCB  
Jennifer Eberle

LOP/Completion  
je 1098clos.let

Post-It™ brand fax transmittal memo 7671		# of pages ▶ 1	
To	F. Dawerin	From	J. Eberle
Co.	Weiss	Co.	
Dept.		Phone #	
Fax #	547-5043	Fax #	

ENVIRONMENTAL  
PROTECTION

95 MAR 29 PM 1:15

**CASE CLOSURE SUMMARY**  
**Leaking Underground Fuel Storage Tank Program**

**I. AGENCY INFORMATION**

**Date:** 2/21/95

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

**II. CASE INFORMATION**

Site facility name: **Quality Tune Up (former Shell Service Station)**  
Site facility address: **246-14th St., Oakland CA 94612**  
RB LUSTIS Case No: **N/A** Local Case No./LOP Case No.: **1098**  
URF filing date: **2/16/95** SWEEPS No: **N/A**

**Responsible Parties:                      Addresses:                      Phone Numbers:**

Mr. Alfonso Chan, 828 Harrison St., #203, Oakland CA 94607 \\  
(510-601-8888)

Attn: Lynn Walker, Shell Oil Co., PO Box 4023, Concord CA 94524  
(510-675-6169)

<u>Tank No:</u>	<u>Size in gal.:</u>	<u>Contents:</u>	<u>Closed in-place or removed?:</u>	<u>Date:</u>
1	5,000	gasoline	removed	9/17/91
2	5,000	gasoline	removed	9/17/91
3	5,000	gasoline	removed	9/17/91
4	1,000	waste oil	removed	9/17/91
5	8,000	gasoline	removed	9/17/91

**III. RELEASE AND SITE CHARACTERIZATION INFORMATION**

Cause and type of release: unk

Site characterization complete? YES

Date approved by oversight agency: n/a

Monitoring Wells installed? NO; 2 hydropunches instead Number:

Proper screened interval? n/a

Highest GW depth below ground surface: 20'    Lowest depth: 22'  
Flow direction: presumed NW, based on NW flow at former Chevron at 301-14th St. (STID 478)

Most sensitive current use: auto repair

Are drinking water wells affected? NO    Aquifer name:

Is surface water affected? YES (NO)    Nearest affected SW name:

Off-site beneficial use impacts (addresses/locations): unk

**Leaking Underground Fuel Storage Tank Program**

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

**Treatment and Disposal of Affected Material:**

<u>Material</u>	<u>Amount</u> <u>(include units)</u>	<u>Action (Treatment</u> <u>of Disposal w/destination)</u>	<u>Date</u>
Tank	three 5K USTs, one 8K UST, and one 1K UST:	disposed to Erickson:	
		manifest #90764782 and #90764780:	9/17/91
Piping	cut and placed in UST and disposed by Erickson		9/17/91
Free Product	unk or n/a		
Soil	18 cubic yards:	disposed to Guadalupe Landfill, San Jose	7/15/92

**III. RELEASE AND SITE CHARACTERIZATION INFORMATION (Continued)**  
**Maximum Documented Contaminant Concentrations - - Before and After Cleanup**

Contaminant	Soil (ppm)		Water (ppm)
	<u>Before</u>	<u>After</u>	
TPH (Gas)	3,200	ND	50
TPH (Diesel)	1.5*	NA	ND
Benzene	2.9	0.017	ND
Toluene	13	0.020	ND
Xylene	390	0.014	ND
Ethylbenzene	57	ND	ND
Oil & Grease	<1*		<5,000
Cd	<5*		
Cr	56*		
Pb	24*		
Ni	45*		
Zn	110*		
HVOCs	<.005*		
semi VOCs	<.1*		

**Comments (Depth of Remediation, etc.):** No asterisk means gasoline UST excavation samples at 10'bgs. . . \*waste oil UST excavation. . .the "after" soil samples were taken from gasoline UST pit at 13'bgs, after overex of the one hot spot. . . the water samples were taken fm 2 hydropunches, so there is no true "before" or "after" water sample.

**Leaking Underground Fuel Storage Tank Program**

**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: NA

Should corrective action be reviewed if land use changes? YES NO  
Monitoring wells Decommissioned: ~~YES~~ NO N/A  
Number Decommissioned: Number Retained:

List enforcement actions taken: none

List enforcement actions rescinded:

**V. LOCAL AGENCY REPRESENTATIVE DATA**

Name: Jennifer Eberle Title: Hazardous Materials Specialist  
Signature: *J Eberle* Date: 2-21-95

**Reviewed by**  
Name: Amy Leech Title: Hazardous Materials Specialist  
Signature: *A Leech* Date: 2/28/95

Name: eva chu Title: Hazardous Materials Specialist  
Signature: *evachu* Date: 2/27/95

**VI. RWQCB NOTIFICATION**

Date Submitted to RWQCB: 2-28-95  
RWQCB Staff Name: Kevin Graves  
Signature: *K Graves*

RB Response: *Approved*  
Title: AWRCE  
Date: 3/2/95

## Leaking Underground Fuel Storage Tank Program

### VII. ADDITIONAL COMMENTS, DATA, ETC.

Five USTs were removed on 9/17/91 from two excavations: fuel USTs and waste oil UST pits. One hot spot was identified in the fuel UST pit. This area was overexcavated on the same day and resampled. See Sect III and the attached tabulated lab data. The waste oil pit was basically clean, but the stockpile soil was slightly contaminated (65 ppm O&G, and 6.9 ppm TPHd). The overexcavated soil from the fuel and waste oil pits were disposed of off-site.

Two hydropunches were emplaced on 11/1/94. GW was encountered at approximately 22'bgs. One was located by the former waste oil pit, and the other through the "hot spot" at the former fuel tank pit. Soil was sampled at 5' intervals. See attached data. Soil from the waste oil area was all ND except three hits of Cr, slightly over 10X the STLC of 5ppm. The hits were 52, 59, and 72 ppm Cr; these concentrations may be attributable to background levels. Soil from the fuel pit area did not detect TPHg or BTEX at 13', 18', and 23'bgs.

The grab groundwater results were ND for TPHd, TOG, and BTEX, except a hit of 50 ppb TPHg, which IS the detection limit for TPHg. It does not appear that groundwater has been impacted at this site. We recommend case closure.

Table 1. Soil Analytical Results for Gas Tanks

Sample No.	Date Sampled	Depth (ft.)	<1 TPH-G (mg/Kg)	<0.0050 Benzene (mg/Kg)	Toluene (mg/Kg)	Ethyl Benzene (mg/Kg)	Xylenes (mg/Kg)	Pb (mg/Kg)
211540	9/17/91	spoils	1.0	LDL	LDL	0.0080	0.035	11
211541	9/17/91	spoils	LDL	LDL	LDL	LDL	LDL	NT
211542	9/17/91	10	LDL	LDL	LDL	LDL	LDL	LDL
211543	9/17/91	10	LDL	LDL	LDL	LDL	0.005	NT
211544	9/17/91	10	LDL	LDL	LDL	LDL	LDL	NT
211545	9/17/91	10	LDL	LDL	LDL	LDL	LDL	NT
211546	9/17/91	10	LDL	LDL	LDL	LDL	LDL	NT
211547	9/17/91	10	3,200	2.9	13	57	390	NT
211548	9/17/91	12	LDL	LDL	LDL	LDL	LDL	NT
211549	9/17/91	12	LDL	LDL	LDL	LDL	LDL	NT
→ 211553	9/17/91	13	LDL	0.017	0.020	LDL	NT 0.014	NT
21535	9/18/91	15	LDL	LDL	LDL	LDL	NT	NT
21553-PIE	9/18/91	pipng	LDL	LDL	LDL	LDL	NT	NT
21554-PI	9/18/91	pipng	LDL	LDL	LDL	LDL	NT	NT
21555-PI	9/18/91	pipng	LDL	LDL	LDL	LDL	NT	NT
21556-PI	9/18/91	pipng	LDL	LDL	LDL	LDL	NT	NT
Detection limits			1.0	0.0050	0.0050	0.0050	0.0050	10

NT: not tested

LDL: less than detection limits

Table 2. Soil Analytical Results for Waste Oil Tank

Sample No.	Date Sampled	Depth (ft.)	TPH-G (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethyl-benzene (mg/Kg)	Xylenes (mg/Kg)	TPH-D (mg/Kg)	TOG (mg/Kg)	Cd (mg/Kg)	Cr (mg/Kg)	Pb (mg/Kg)	Zn (mg/Kg)	Ni (mg/Kg)	Semi-volatile organics (mg/Kg)	Halo VOCs (mg/Kg)
211550	9/17/91	7	LDL	LDL	LDL	LDL	LDL	LDL	1.5	LDL	56	LDL	34	45	LDL	LDL
211551	9/17/91	7	LDL	LDL	LDL	LDL	LDL	LDL	1.3	LDL	45	24	110	35	LDL	LDL
211552	9/17/91	spoils	LDL	LDL	LDL	LDL	LDL	LDL	LDL	NT	NT	NT	NT	NT	NT	NT
Background in sandstone									6.9	65	<1	6.5-39	5-17	5-31	5-18	
Background in shale											<1	62-130	3-24	55-82	26-39	
Detection limits			1.0	0.005	0.005	0.005	0.005	1.0	1.0	0.5	0.5	0.5	0.5	2.5	0.1	0.005

NT: not tested

LDL: less than detection limits

Table 1. Analytic Results for Soil - Former Shell Service Station WIC# 204-5508-4200, 246 14th Street, Oakland, California

Sample ID	Date Sampled	Depth (ft)	TPH-G	TPH-D	B	T	E	X	TOG	Cr
			← parts per million (mg/Kg) →							
SBA-5	11/01/94	5	---	<1 ✓	---	---	---	---	<50 ✓	59 ✓
SBA-10	11/01/94	10	---	<1 ✓	---	---	---	---	<50 ✓	52 ✓
SBA-15	11/01/94	15	---	<1 ✓	---	---	---	---	<50 ✓	72 ✓
SBA-20	11/01/94	20	---	<1 ✓	---	---	---	---	<50 ✓	38 ✓
SBB-13	11/01/94	13	<1 ✓	---	<0.0025 ✓	<0.0025 ✓	<0.0025 ✓	<0.0025 ✓	---	---
SBB-18	11/01/94	18	<1 ✓	---	<0.0025 ✓	<0.0025 ✓	<0.0025 ✓	<0.0025 ✓	---	---
SBB-23	11/01/94	23	<1 ✓	---	<0.0025 ✓	<0.0025 ✓	<0.0025 ✓	<0.0025 ✓	---	---

SRL is 5

750  
710 X SRL

Abbreviations:

- TPH-G = Total petroleum hydrocarbons as gasoline by Modified EPA Method 8015
- TPH-D = Total petroleum hydrocarbons as diesel by Modified EPA Method 8015
- B = Benzene by EPA Method 8020
- T = Toluene by EPA Method 8020
- E = Ethylbenzene by EPA Method 8020
- X = Xylenes by EPA Method 8020
- 
- = Not analyzed
- <n = Not detected at detection limits of n ppm
- TOG = Total oil and grease by EPA Method 5520C/E ✓
- Cr = Chromium by EPA Method 6010



Table 2. Analytic Results for Water - Former Shell Service Station WIC# 204-5508-4200, 246 14th Street, Oakland, California

Sample ID	Date Sampled	TPH-G	TPH-D	B	T	E	X	TOG
		← parts per billion (µg/L) →						
SBA-Water	11/01/94	<50 ✓	<50 ✓	<0.5 ✓	<0.5 ✓	<0.5 ✓	<0.5 ✓	<5000 ✓
SBB-Water	11/01/94	50 <sup>a</sup> ✓	---	<0.5 ✓	<0.5 ✓	<0.5 ✓	<0.5 ✓	---
DTSC MCLs		NE	NE	1	100 <sup>b</sup>	680	1,750	NE

Abbreviations:

- TPH-G = Total petroleum hydrocarbons as gasoline by Modified EPA Method 8015
- TPH-D = Total petroleum hydrocarbons as diesel by Modified EPA Method 8015
- B = Benzene by EPA Method 8020
- T = Toluene by EPA Method 8020
- E = Ethylbenzene by EPA Method 8020
- X = Xylenes by EPA Method 8020
- TOG = Total oil and grease by EPA Method 5520C/E
- = Not analyzed
- <n = Not detected at detection limits of n ppm
- DTSC MCLs = California Department

Notes:

- a = WA confirmed result with laboratory.
- b = DTSC recommended action level for drinking water; MCL not established.