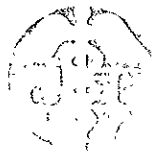
ALAMEDA COUNTY
HEALTH CARE SERVICES



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(510) 271-4320

REMEDIAL ACTION COMPLETION CERTIFICATION

StID 672 - 3797 1st Street, Livermore 94550

September 14, 1994

Mr. Elie Elgazzar
PG&E Support Services Director
24300 Clawiter Rd
Hayward, CA 94545

Dear Mr. Elgazzar:

This letter confirms the completion of site investigation and remedial action for the two former underground storage tanks (2,000 gallon gasoline and 500 gallon waste oil tanks) removed from the above site on September 19, 1991.

Based upon 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. Please contact Ms. Eva Chu at (510) 567-6700 if you have any questions regarding this matter.

Very truly yours,

Rafat A. Shahid
Director, Environmental Health

cc: Edgar B. Howell, Chief, Hazardous Materials Division
Kevin Graves, RWQCB
Mike Harper, SWRCB (with attachment)
files (pg&e1.3)

ALCO
HAZMAT

94 SEP 13 PM 1:57

CASE CLOSURE SUMMARY
Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION **Date: August 31, 1994**

Agency name: **Alameda County-HazMat** Address: **80 Swan Wy., Rm 200**
City/State/Zip: **Oakland** Phone: **(510) 271-4320**
Responsible staff person: **Eva Chu** Title: **Hazardous Materials Spec.**

II. CASE INFORMATION

Site facility name: **PG&E Service Center**
Site facility address: **3797 1st Street, Livermore 94550**
RB LUSTIS Case No: **N/A** Local Case No./LOP Case No.: **672**
URF filing date: **11/19/91** SWEEPS No: **N/A**

Responsible Parties:	Addresses:	Phone Numbers:
PG&E Support Service	24300 Clawiter Rd Hayward, CA 94545	

Tank No:	Size in gal.:	Contents:	Closed in-place or removed?:	Date:
1	2,000	Gasoline	Removed	9/19/91
2	500	Waste Oil	Removed	9/19/91

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: **Unknown, possible overfilling**
Site characterization complete? **YES**
Date approved by oversight agency: **6/25/94**
Monitoring Wells installed? **NO** Number:
Proper screened interval? **NA**
Highest GW depth below ground surface: Lowest depth: **>50' bgs**
Flow direction:
Most sensitive current use: **Unknown**
Are drinking water wells affected? **Probably not** Aquifer name:
Is surface water affected? **NO** Nearest affected SW name:
Off-site beneficial use impacts (addresses/locations):

Report(s) on file? **YES** Where is report(s) filed? **Alameda County**
80 Swan Wy., Rm 200
Oakland CA 94621

Treatment and Disposal of Affected Material:

Material	Amount (include units)	Action (Treatment or Disposal w/destination)	Date
Tank	2 USTs	Erickson	9/19/91
Piping			
Free Product	300 gal rinsate	Gibson Pilot, R.C.	9/19/91
Soil	1,400 cy	Reed & Graham, San Jose	11/12-27/91
Groundwater			
Barrels			

Maximum Documented Contaminant Concentrations - - Before and After Cleanup

Contaminant	Soil (ppm) Before	Soil (ppm) After	Water (ppb) Before	Water (ppb) After
TPH (Gas)	1,700	23		
TPH (Diesel)	1,900	ND		
Benzene	16	1.1		
Toluene	81	0.6		
Ethylbenzene	42	.72		
Xylenes	230	1.2		
Oil & Grease	910	ND		
Heavy metals Cr	78	38		
Other Fluoranthene	.18	ND		
Fluroene	.24	ND		
2 methylnaphthalene	1.0	ND		
Phenanthrene	1.3	ND		
Naphthalene	.41	ND		
Pyrene	.31	ND		
Cl-HC	ND			

Comments (Depth of Remediation, etc.):

Gasoline pit was overexcavated to 35' bgs. Product line and waste oil pit was overexcavated to 23' bgs.

IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? **YES**
Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? **YES**
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:
List enforcement actions taken: **None**

List enforcement actions rescinded: **NA**

V. LOCAL AGENCY REPRESENTATIVE DATA

Name: Eva Chu Title: Haz Mat Specialist

Signature: [signature] Date: 8/31/94

Reviewed by

Name: Madhulla Logan Title: Haz Mat Specialist

Signature: [signature] Date: 8/31/94

Name: Barney Chan Title: Haz Mat Specialist

Signature: [signature] Date: 8/31/94

VI. RWQCB NOTIFICATION

Date Submitted to RB: 9/2/94 RB Response: Approved

RWQCB Staff Name: Kevin Graves Title: AWRCE

Signature: [signature] Date: 9/8/94

VII. ADDITIONAL COMMENTS, DATA, ETC.

Two USTs (one 2K unleaded gasoline, and one 500 gallon W.O.) were removed in September 1991. Soil collected, from 12' depth, beneath the gasoline tank exhibited up to 1,700 ppm TPH-G, 8.8, 76, 42, and 230 ppm BTEX, respectively. Elevated levels were also noted beneath the dispenser, located approximately 15' west of the gasoline tank. Soil collected from 9.5' depth, beneath the waste oil tank exhibited up to 1,900 ppm TPH-D, 110 ppm TPH-G, 910 ppm TOG, and low levels of BTEX and semi-volatile compounds. But the sidewall samples collected at 7' depth exhibited low to non-detectable levels of contaminants.

Both tank pits and dispenser area were overexcavated to remove remaining contaminated soil. Up to 23 ppm TPH-G and 1.1 ppm benzene were left in place at 23' (dispenser) and 35' (gasoline pit) depths, respectively. Final soil samples collected from the waste oil pit did not detect petroleum hydrocarbons or semi-volatile compounds.

In March 1994, 4 soil boring were advanced around each former tank pit to a depth of approximately 50' bgs. Soil samples were collected at 5' intervals and screened for VOCs with a PID. Soil with >10 ppm as indicated on the PID were taken to a state certified laboratory for analyses for TPH-G, and BTEX. Soil from the W.O. pit were also analyzed for TOG, semi-volatile compounds and metals (Cd, Cr, Pb, Ni, and Zn). Maximum concentrations detected were 1.8 ppm TPH-G, .280, .046, .033, .240 ppm BTEX, respectively, at 35' depth. Metal concentrations did not exceed 10

times the STLC. No target compounds sought were detected beyond 40' depth.

Sediments encountered in the borings are predominately fine grained silts and clays, with interbedded coarse gravels and sands, to a depth of 30-35' bgs. A silty to sandy clay occurs from 30' to at least 50 ' bgs. Groundwater was not found in any of the soil borings to a depth of 50+ feet. Boring LW-1 was left open overnight, and no water entered the boring the next morning.

There is a minimum of 20' of clayey soil between the residual impacted soil and groundwater. With the removal of the USTs and the extensive excavation of contaminated soil, the low levels of petroleum hydrocarbons left in soil is not likely to migrate significantly in the fine-grained sediments to impact groundwater. Therefore, groundwater monitoring wells are not warranted at this site.