

ALAMEDA COUNTY  
HEALTH CARE SERVICES  
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH  
State Water Resources Control Board  
Division of Clean Water Programs  
UST Local Oversight Program  
80 Swan Way, Rm 200  
Oakland, CA 94621  
(510) 271-4530

February 23, 1994  
STID 3790

**REMEDIAL ACTION COMPLETION CERTIFICATION**

Mr. Edward Peterson  
1937 Harrison St., Ste 605  
Oakland, CA 94612

SUBJECT: **Case Closure**  
**Peterson Property**  
**1066 47th Ave., Oakland, CA 94601**

Dear Mr. Peterson,

This letter confirms the completion of site investigation and remedial action for the 1000 gallon underground diesel tank removed at the above site. It is acknowledged that soil contamination up to 3300 ppm TPH as diesel and up to 2300 ppm Total Oil and Grease exists at this site which has not been actively remediated. Should land use change, you may need to further investigate this site. With the provision that the information provided to this agency was accurate and representative of existing conditions, this office has determined that no further action is required at this time.

Based on the information submitted and current requirements, the RWQCB has also accepted the determination of this agency that no further action is required at this time. Further work could be required if conditions change or a water quality threat is discovered at the site.

If you have any questions regarding this letter, please give Barney Chan a call at (510) 271-4530.

Very truly yours,

  
Rafat A. Shahid  
Assistant Agency Director

cc: ~~Edgar B. Howell~~, Chief, Hazardous Materials Division/files  
Rich Hiatt, RWQCB  
Mike Harper, SWRCB  
M. Lewis, Blymyer Engineers, 1829 Clement Ave., Alameda,  
CA 94501-1395

Sent to RW GEB 1/13/94

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

**I. AGENCY INFORMATION**

Date: 12/15/93

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

**II. CASE INFORMATION**

Site facility name: Peterson Property  
Site facility address: 1066 47th Ave., Oakland CA 94601  
RB LUSTIS Case No: N/A Local Case No./LOP Case No.: 3790  
filing date: 12/20/88 SWEEPS No: N/A

<u>Responsible Parties:</u>	<u>Addresses:</u>	<u>Phone Numbers:</u>
Mr. Edward Peterson	1937 Harrison St., Ste 605 Oakland CA, 94612	(510) 835-0200

<u>Tank No:</u>	<u>Size in gal.:</u>	<u>Contents:</u>	<u>Closed in-place or removed?:</u>	<u>Date:</u>
1.	1000	Gasoline/ Diesel	Removed	11/18/88

**III. RELEASE AND SITE CHARACTERIZATION INFORMATION**

Cause and type of release: unknown cause, soil release, minimal groundwater

Site characterization complete? NO, utilities and physical constraints prevent complete characterization in the south direction. The east and west sides are characterized.

Date approved by oversight agency:

Monitoring Wells installed? YES Number: 3

Proper screened interval? YES

Highest GW depth below ground surface: 13' Lowest depth: 16'

Flow direction: Assumed southwesterly, in regional direction, although the condition of MW-2 does not allow for determination of on-site flow direction.

**Leaking Underground Fuel Storage Tank Program**

Most sensitive current use: Undetermined

Are drinking water wells affected? NO Aquifer name: Merritt Sand

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  
80 Swan Wy., Rm 200  
Oakland CA 94621

**Treatment and Disposal of Affected Material:**

<u>Material</u>	<u>Amount (include units)</u>	<u>Action (Treatment of Disposal w/destination)</u>	<u>Date</u>
Tank	1-1000 gallon	Disposed at H & H Shipping	11/18/88
Piping			
Rinsate	200 gallon	Taken to Refinery Service	11/18/88
Soil	5-10 cy	Reused on-site	

**Maximum Documented Contaminant Concentrations - - Before and After Cleanup**

<u>Contaminant</u>	<u>Soil (ppm)</u>		<u>Water (ppm)</u>	
	<u>Before</u>	<u>After</u>	<u>Before</u>	<u>After</u>
TPH (Gas)	14	14	0.042	ND
TPH (Diesel)	3300	3300	ND	
Benzene	ND		ND	
Toluene	ND		0.0002	ND
Xylene	0.84	0.84	0.0011	ND
Ethylbenzene	0.40	0.40	ND	
Oil & Grease	2300	2300	2.1	ND
Heavy metals				
Other				

Comments (Depth of Remediation, etc.): No overexcavation performed.

**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:

**Leaking Underground Fuel Storage Tank Program**

Should corrective action be reviewed if land use changes? YES

Monitoring wells Decommisioned: NO

Number Decommisioned: 0

Number Retained: 3

List enforcement actions taken: None

List enforcement actions rescinded: None

**V. LOCAL AGENCY REPRESENTATIVE DATA**

Name: Barney M. Chan

Title: Hazardous Materials Specialist


Signature: 

Date: 1/12/94

Reviewed by

Name: Eva Chu

Title: Hazardous Materials Specialist

Signature: 

Date: 1/12/94

Name: Susan Hugo

Title: Sr. Haz Mat Specialist

Signature: 

Date: 1/12/94

**VI. RWQCB NOTIFICATION**

Date Submitted to RB: 1/13/94

RB Response: Concurrence given

RWQCB Staff Name: R. Hiett

Title: San Engineering Assoc. Date: 2/7/94

**VII. ADDITIONAL COMMENTS, DATA, ETC.**

Site Summary for 1066 47th Ave. Oakland CA 94601  
StID # 3790

11/18/88 One 1000 gallon tank formerly holding diesel and gasoline was removed from site. This was witnessed by D. Byrne of this office. One soil sample taken from beneath the tank, results were 3,300 TPHd, 2300 ppm TOG, 14 ppm TPHg and Xylene at 0.84 ppm and Ethylbenzene at 0.40 ppm. The stockpiled soil sample contained 510 ppm diesel, 8.2 ppm gasoline, 0.64 ppm xylene and 0.3 ppm ethylbenzene. In an attempt to determine the extent of soil contamination three borings were advanced around the tank pit. A boring 3 feet north of tank at 9' exhibited 2000 ppm TPHd. Two borings east and west of tank pit, approximately 20 feet were ND for TPHd. No soil sampling was performed to the south of the tank due to the presence of utilities and a building.

Overexcavation was not practical since utility lines were near the pit as well as a building. Our office agreed to this point, and acknowledged this in the form of a letter signed by R. Shahid for Dennis Byrne.

3/30 and 31/89 Three monitoring wells were installed by Blymyer Engineers. Monitoring well, MW-2, was suspect due to the low DTW reading as compared to the two other wells, 25 feet versus 13 feet. No evidence in boring logs to explain this effect, but these groundwater elevations have been consistent over two years of monitoring. The gradient as calculated from the groundwater elevation is southerly as opposed to the regional southwest direction. The boring results did not indicate any soil contamination in MW1 and MW2 and only minimal TOG and Diesel in MW-3. Speaking recently with M. Lewis of Blymyer, he thinks that the screen in MW-2 well is smeared accounting for the low recharge and low groundwater levels. He is not hopeful that redevelopment of the well would improve the groundwater conditions. When informed about the apparent problem in MW-2, Dennis Byrne asked for gradient determination of two nearby sites along with the general area gradient as detailed in report 205 J from the Department of Public Works. Blymyer supplied this information, verifying the assumed southwesterly gradient, although the nearby site is actually quite a distance away.

On-going monitoring at the site occurred for two years, yielding low to non-detect concentrations.

Site Summary, 1066 47th Ave.  
StID # 3790  
Page 2 of 2.

Results of groundwater samples are:

Date	MW1	MW2	MW#3
	All concentrations in ppb		
3/30/89	ND g, d, BTEX, TOG	19-g, 0.2T, 1.1X	ND all parameters
8/30/89	ND	ND	ND
11/30/89	ND	42-g	ND
2/28/90	ND	ND	ND
5/25/90	ND	ND	ND
8/28/90	ND, 3.9 ppm TOG	ND, 2.1ppm TOG	ND
12/3/90	ND	ND	ND
3/13/91	ND	ND	ND

There is still contamination left on site which extends to an area around the tank at least to the north with concentrations up to 2000 ppm diesel and 2300 ppm oil and grease. MW-3 is in the assumed downgradient direction while MW-2 is close to the tank pit in a cross-gradient direction. MW-3 has not detected any contamination over a period of two years.