

ENVIRONMENTAL
PROTECTION
1995 JUL 20 PM 1:33

CASE CLOSURE SUMMARY

Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION

Date: 05/17/95

Agency name: **Alameda County-HazMat** Address: **1131 Harbor Bay Pkwy** City/State/Zip: **Alameda, CA - 94502** Phone: **(510) 567-6764**
Responsible staff: **Madhulla Logan** Title: **Hazardous Materials Spec.**

II. CASE INFORMATION

Site facility name: **Residential**
Site facility address: **5900 Acacia Avenue, Oakland, CA - 94618**

RB LUSTIS Case No: **N/A** Local Case No./LOP Case No.: **4885**
URF filing date: **02/01/95** SWEEPS No: **N/A**

<u>Responsible Parties:</u>	<u>Addresses:</u>	<u>Phone</u>
<u>Numbers:</u>		
Rose Bertolero	5900 Acacia Avenue, Oakland, CA - 94618	(510) 945 - 1667

<u>Tank No:</u>	<u>Size in gal.:</u>	<u>Contents:</u>	<u>Closed in-place or removed?:</u>	<u>Date:</u>
1	350 gallon	Heating Oil	removed	05/5/94

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: **leak, diesel**

Site characterization complete? **YES**

Date approved by oversight agency:

Monitoring wells installed? **NO**

Proper screened interval? **Not Applicable**

Highest GW depth below ground surface: **More than 100 feet as site is located in the Oakland hills.**

Most sensitive current use: **Not Drinking (others not determined)**

Are drinking water wells affected? **Not Known**

Is surface water affected? **N/A** Nearest affected SW name: **N/A**

Off-site beneficial use impacts (addresses/locations): **Not Known**

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

III. RELEASE AND SITE CHARACTERIZATION INFORMATION (Continued)

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	350 gallon	Erickson, Richmond CA	5/5/94
Fuel	90 gallon	Petroleum Refining Corp Patterson, CA	milk run date not available

Maximum Documented Contaminant Concentrations - - Before and After Cleanup

<u>Contaminant</u>	<u>Soil (ppm)</u>	
	<u>Before</u>	<u>After</u>
TPH (Gas)	NA	NA
TPH (Diesel)	2100	2100
Benzene	0.017	0.017
Toluene	0.013	0.013
Xylene	0.36	0.36
Ethylbenzene	0.096	0.096
Oil & Grease	3500	3500

Comments (Depth of Remediation, etc.):

An initial soil sample collected during tank removal had 1300 ppm of TPHd. Later five soil borings were drilled to a depth of approximately 3.7 feet around the tank pit. Bedrock encountered at 2.5 to 3.7 feet depth prevented deeper drilling. The above mentioned concentrations are from borehole samples. Diesel and oil and grease were encountered in all 5 samples with a highest hit of 2100 ppm and 3500 ppm respectively. Benzene was found in one out of five samples at a concentration of 0.017 ppm. (Attached site plan and soil results).

IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? Undetermined (soils only case)

Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? Undetermined (soils only case)

Does corrective action protect public health for current land use? YES

Site management requirements: NA

Should corrective action be reviewed if land use changes? No

Monitoring wells Decommissioned: Not Applicable

Number Decommissioned: NA

V. LOCAL AGENCY REPRESENTATIVE DATA

Name: Madhulla Logan Title: Hazardous Materials Spec
Signature: Date: 05/17/95

Reviewed by

Name: Barney Chan Title: Hazardous Materials Spec
Signature: *Barney Chan* Date: 7/3/95

Name: Eva Chu Title: Hazardous Materials Spec
Signature: *Eva Chu* Date: 6/21/95

VI. RWQCB NOTIFICATION

Date Submitted to RB: *7/6/95* RB Response: *Approved*
RWQCB Staff Name: Kevin Graves Title: San. Engineering Asso.
Date: *7/17/95* *K. Graves*

VII. SUMMARY

One 350 gallon home heating oil tank was removed on May 5, 1994. One soil sample was collected during tank removal. Laboratory results of the soil samples indicated upto 1300 ppm of diesel. No other chemical was analyzed. After tank removal and initial soil sampling, five soil borings were drilled around the tank. The highest concentration of diesel and oil and grease obtained in the samples were 2100 ppm and 3500 ppm respectively. Benzene was found in one out of five samples at 0.017 ppm.

Rationale:

1. Concentrations of benzene-17 ppb in soil poses no threat to human health.
2. No problem with contaminants leaching to the ground water, as groundwater depth exceeds 100 feet bgs based on other site information and also because site is located on a hill. Also, bedrock is present at 3.5 feet as discovered during drilling.
3. Naphthalene makes about 0.13% of diesel and that would be 0.13% of 2100, which is 2.73 ppm. This concentration does not pose a human health risk based on the RBCA look-up table values.