RAFAT A. SHAHID, Assistant Agency Director

DEPARTMENT OF ENVIRONMENTAL HEALTH Hazardous Materials Division 80 Swan Way, Rm. 200 Oakland. CA 94621 (510) 271-4320

### REMEDIAL ACTION COMPLETION CERTIFICATION

StID 4155 - 14 Glen Ave, Oakland 94611

October 3, 1994

Ms. Erma Delluchi P.O. Box 11279 Oakland, CA 94611

Dear Ms. Delluchi:

This letter confirms the completion of site investigation and remedial action for the former underground storage tanks (500 gallon kerosene tank) removed from the above site on May 19, 1992.

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,

PLEBSW

Rafat A. Shahid, Director

cc: Edgar B. Howell, Chief, Hazardous Materials Division

Kevin Graves, RWQCB

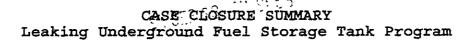
Mike Harper, SWRCB (with attachment)

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I. AGENCY INFORMATION Date: September 20, 1994

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.

### CASE INFORMATION II.

Site facility name: Delluchi Property

Site facility address: 14 Glen Ave., Oakland 94611

RB LUSTIS Case No: N/A Local Case No./LOP Case No.: 4155 URF filing date: 6/3/92 SWEEPS No: N/A

Phone Numbers: Responsible Parties: Addresses:

(510) 531-0197 1. Erma Delluchi P.O.Box 11279, Oakland

<u>Tank</u> <u>Size in</u> Contents: Closed in-place Date: or removed?: No: gal.:

May 19, 1992 500 Removed 1 Kerosene

#### RELEASE AND SITE CHARACTERIZATION INFORMATION III.

Cause and type of release: Leaking UST Site characterization complete? YES

Date approved by oversight agency: June 8, 1994

Monitoring Wells installed? YES Number: One Proper screened interval? YES , 19-35' , appears

YES , 19-35' , appears confined

Highest GW depth below ground surface: 14.32' Lowest depth: 17.64'

Flow direction: Assumed SW

Most sensitive current use: None

Are drinking water wells affected? NO Aquifer name: N/A Is surface water affected? NO Nearest affected SW name: N/A Off-site beneficial use impacts (addresses/locations): None known

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

## Treatment and Disposal of Affected Material:

<u>Material</u>	Amount (include units)	Action (Treatment of Disposal w/destination)	<u>Date</u>
Tank Piping	One UST	Erickson, Richmond	5/19/92
Free Product Soil Groundwater Barrels	500 gal. rinsate 25 cubic yards	Kemenno Kerdoon, Compton Vasco Rd. Landfill	5/19/92 7/15/92

# III. RELEASE AND SITE CHARACTERIZATION INFORMATION (Continued)

Maximum Documented Contaminant	Contaminant Concentrations - Soil (ppm) Before After	Water	e and After (ppb) After	Cleanup
TPH (Gas) TPH (Kerosene)	1900 1900	64	<50	
Benzene Toluene Xylene Ethylbenzene	Not analyzed "" "	0.7 1.9 2.4 5.4	<.5 <.5 <.5 <.5	
Oil & Grease Heavy metals				

Comments (Depth of Remediation, etc.):

Refer to section VII (Additional comments, data, etc.)

### IV. CLOSURE

Other

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: NO, Upon case closure
Number Decommissioned: 0 Number Retained: 1
List enforcement actions taken: None

List enforcement actions rescinded: NA

#### v. LOCAL AGENCY REPRESENTATIVE DATA

Name: Eva Chu Title: Haz Mat Specialist

Signature: 2072

Date: 9/22/94

Reviewed by

Susan Hugo Name:

Title: Sr. Haz Mat Specialist

Signature:

Date: 9/20/94

Scott Seery

Title: Sr. Haz Mat Specialist

RWQCB NOTIFICATION VI.

Date Submitted to RB:

Title: AWRCE

RWQCB Staff Name:

Kevin Graves

ADDITIONAL COMMENTS, DATA, ETC.

When a 500 gallon kerosene UST was removed, four sidewall samples were collected at 8' depth, and a bottom sample was collected at 9' depth. Up to 1,900 ppm TPH as kerosene was detected from the southwest wall of the tank pit, and 790 ppm TPH as kerosene was detected from the pit bottom.

Three soil borings were advanced in, and around the tank pit to determine the extent of soil contamination. One soil boring advanced through the center of the UST pit detected 820 ppm TPH-D at 10' depth, 39 ppm at 15', and N.D. at 20'. Another soil boring advanced 4' west of pit did not detect kerosene. Soil samples collected, both at the time of tank closure and advancement of soil borings, were not analyzed for BTEX. MW-1 was installed <10' southwest of the pit and detected 67 ppm TPH-D at 10' depth, N.D. at 15' and 20' depths. The extent of soil contamination has been delineated and limited to a layer at 10-15' depth and within 10' of the former pit walls.

Only one MW was installed in the approximate topographical downgradient direction (southwest) and within 10' of the UST pit. Additional wells were not feasible since the former UST was located beneath a narrow sidewalk with a high density of buried utility lines, and in a high traffic street. GW was first encountered at approximately 25' bgs and stabilized at about 16'. The two other borings advanced to 20 and 24' did not encounter groundwater. Groundwater appears to be under confined conditions. After 5 quarters of sampling, only one sampling event detected trace levels of contaminants (64 ppb TPH-D, .7 ppb benzene, 1.9 ppb toluene, 2.4 ppb ethylbenzene, and 5.4 ppb xylene).

Up to 1,900 ppm TPH as kerosene is left in place in the southwest wall and pit bottom. Groundwater aquifer appears to be low yielding, as the well ran dry on several occasions when purged of 8-12 gallons water, and recovery to 80% took up to two hours. With time, the petroleum hydrocarbons will biodegrade. Due to the low permeability of the soil, it appears contaminated soil is not likely to impact beneficial uses of water at this location.

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