ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

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 429 - **3509 Grand Ave, Oakland, CA 94610**

August 29, 1994

Mr. Bill Martini
3669 Grand Ave
Oakland, CA 94610

Mr. Stanley Piller
3351 Grand Ave
Oakland, CA 94610

Mr. Ghulam Taymuree
3509 Grand Ave
Oakland, CA 94610

Dear Sirs:

This letter confirms the completion of site investigation and remedial action for the two former underground storage tanks (350, and 700 gallon waste oil and gasoline tank) removed from the above site in January and February 1990.

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
Assistant Agency Director

cc: Edgar B. Howell, Chief, Hazardous Materials Division
Kevin Graves, RWQCB
Mike Harper, SWRCB (with attachment)
files (taymuree.4)

CASE CLOSURE SUMMARY
Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION **Date: August 12, 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: **Taymuree Foreign Auto Center**
Site facility address: **3509 Grand Ave, Oakland, CA 94610**
RB LUSTIS Case No: **N/A** Local Case No./LOP Case No.: **429**
URF filing date: **2/20/90** SWEEPS No: **N/A**

Responsible Parties:	Addresses:	Phone Numbers:
1. Bill Martini	3669 Grand Ave, Oakland 94610	
2. Stanley Piller	3351 Grand Ave, Oakland 94610	
3. Ghulam Taymuree	3509 Grand Ave, Oakland 94610	

Tank No:	Size in gal.:	Contents:	Closed in-place or removed?:	Date:
1.	350	Waste Oil	Removed	1/30/90
2.	700	Gasoline	Removed	2/1/90

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: **Overfilling**
Site characterization complete? **YES**
Date approved by oversight agency: **3/21/91**
Monitoring Wells installed? **YES** Number: **1**
Proper screened interval? **YES**
Highest GW depth below ground surface: **2.27'** Lowest depth: **3.88'**
Flow direction: **Not verified, nearby wells show W-SW direction**
Most sensitive current use: **None**
Are drinking water wells affected? **NO** Aquifer name:
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:

Material	Amount (include units)	Action (Treatment or Disposal w/destination)	Date
Tank	Two USTs	Taken to H & H	1/30-2/1/90
Piping			
Free Product	325 gal rinsate	Taken to H & H	1/30-2/1/90
Soil	36 cy	Liquid Waste Mgmt McKittrick, CA	8/7/90
Groundwater	165 gal from pit	Taken to H & H	2/20/90
Barrels			

Maximum Documented Contaminant Concentrations - - Before and After Cleanup

Contaminant	Soil (ppm) Before	Soil (ppm) After	Water (ppm) Before	Water (ppm) After
TPH (Gas)	120	230	ND	ND
TPH (Diesel)	530	3,700	ND	ND
Benzene	ND	ND	ND	ND
Toluene	ND	.97	ND	ND
Ethylbenzene	ND	2.4	ND	ND
Xylene	ND	2.9	ND	ND
Oil & Grease	2,200	NA	ND	ND
Heavy metals (Cd,Cr,Pb,Ni,Zn)	NA			ND
Other				
Cl-HC	ND			ND
Semi-Volatiles	NA			ND

Comments (Depth of Remediation, etc.):

See section VI. Additional Comments on limited overexcavation

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? **Unknown**
Site management requirements: **None**

Should corrective action be reviewed if land use changes? **YES**
Monitoring wells Decommissioned: **NO, pending site closure**
Number Decommissioned: None Number Retained: **One**
List enforcement actions taken: **None**

List enforcement actions rescinded: **None**

V. LOCAL AGENCY REPRESENTATIVE DATA

Name: Eva Chu Title: Hazardous Materials Specialist

Signature: Eva Chu Date: 8/17/94

Reviewed by

Name: Jennifer Eberle Title: Hazardous Materials Specialist

Signature: Jennifer Eberle Date: 8-17-94

Name: Scott Seery Title: Sr. Haz Mat Specialist

Signature: Scott Seery Date: 8/16/94

VI. RWQCB NOTIFICATION

Date Submitted to RB: 8/17/94 RB Response: Approved

RWQCB Staff Name: Kevin Graves Title: AWRCE

Signature: Kevin Graves Date: 8/24/94

VII. ADDITIONAL COMMENTS, DATA, ETC.

When two USTs were removed in January and February 1990, soil samples collected from native soil beneath the USTs exhibited up to 120 ppm TPH-G, 530 ppm 481.1 compounds, and 540 ppm 413.2 compounds. Chlorinated hydrocarbons were not detected in the soil samples collected from beneath the gasoline tank, where the highest concentration of 503E compounds were also found, except for 80 ppb of methlyene chloride, a possible laboratory adulterant. The tank pit was subsequently overexcavated in August 1990, to remove the remaining contaminated soil to the extent possible. 36 cubic yards of soil was taken to Liquid Management at McKittrick, CA. Due to numerous utility lines in the area, as well as the need to maintain the structural integrity of the roadbed on one side, and the building on the other, contaminated soil exhibiting up to 3,700 ppm TPH-D and 230 ppm TPH-G, .97 ppm toluene, 2.4 ppm ethylbenzene, and 2.9 ppm xylene was left in place at 8' depth. Benzene was not detected in the soil samples.

In January 1991, one groundwater monitoring well was installed east of the former tank pit, within 5 feet of the post excavation soil sample location with the highest residual TPH concentrations. Due to overhead utility lines requiring only half-mast drilling techniques, no soil samples were collected for analysis from the boring. However, at 6 feet depth a slight product odor was noted. First groundwater encountered appeared to be at 12 feet depth and stabilized at 3.75 feet. Since bonafide groundwater was not encountered in the excavation pit to 8' depth, it appears groundwater is under confined conditions. The well was screened from 10-40' depth.

Initial groundwater sampling in February 1991 did not detect TOG, or BTEX, the only analytes sought. Quarterly groundwater sampling began in January 1992. Four quarters of sampling did not reveal any levels of TPH-G, TPH-D, or BTEX in groundwater. In July 1993 groundwater was analyzed for chlorinated hydrocarbons, semi-volatile compounds, oil and grease, and metals (Cd, Cr, Pb, Ni, and Zn). None of these analytes were detected at or above the detection limits.

Although groundwater flow direction has not been determined for this site, the proximity of the well to the highest residual TPH in soil would likely have detected contaminants in groundwater, if such had penetrated the clay "aquitard" found at 8-12' depth. Also, regional flow direction, as determined at a nearby site topographically upgradient of the subject site, is southwesterly, towards Lake Merritt. If this is assumed, well MW-1 is approximately downgradient from the former gasoline UST, one source of the hazardous chemicals of concern, at this site. Since these chemicals of concern have not been detected in groundwater during five sampling events over the course of approximately two years, it appears that groundwater has not be adversely affected by the fuel release or by the contaminated soil left in place.