



SAFETY SHAHID Assistant Agency Director
ALAMEDA COUNTY CC4580
DEPT. OF ENVIRONMENTAL HEALTH
ENVIRONMENTAL PROTECTION DIVISION
1131 HARBOR BAY PKWY., #250
ALAMEDA CA 94502-6577

REMEDIAL ACTION COMPLETION CERTIFICATION

StID 3611 - 2920 4th Street, Livermore 94550

November 23, 1994

Mr. Richard Corbett
Hawaii World
2056 1st Street
Livermore, CA 94550

Dear Mr. Corbett:

This letter confirms the completion of site investigation and remedial action for the two former underground storage tanks (one 550 gallon diesel tank and a 250 gallon gasoline tank) removed from the above site on July 24, 1989.

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,

A handwritten signature in dark ink, appearing to read "Rafat A. Shahid". The signature is written in a cursive style.

Rafat A. Shahid, Director

cc: Edgar B. Howell, Chief, Hazardous Materials Division
Kevin Graves, RWQCB
Mike Harper, SWRCB (with attachment)
files (corbett1.3)

NOV 17 1994 **KG**ALCO
HAZMAT

QUALITY CONTROL BOARD

NOV 20 1994

CASE CLOSURE SUMMARY
Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION

Date: November 14, 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.**

II. CASE INFORMATION

Site facility name: **J & W Development**
Site facility address: **2920 4th Street, Livermore 94550**
RB LUSTIS Case No: **N/A** Local Case No./LOP Case No.: **3611**
URF filing date: **8/24/89** SWEEPS No: **N/A**

Responsible Parties: Addresses: Phone Numbers:

J & W Development **2068 1st Street, Livermore**

<u>Tank No:</u>	<u>Size in gal.:</u>	<u>Contents:</u>	<u>Closed in-place or removed?:</u>	<u>Date:</u>
1	550	Diesel	Removed	7/24/89
2	250	Gasoline	Removed	7/24/89

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: **Overfilling and Leaking USTs**
Site characterization complete? **YES**
Date approved by oversight agency: **8/5/94**
Monitoring Wells installed? **Yes** Number: **1**
Proper screened interval? **Adequate, 46.5 - 61.5' depth**
Highest GW depth below ground surface: **36.71'** Lowest depth: **54.17'**
Flow direction: **Assumed westerly**
Most sensitive current use: **Domestic and municipal wells**
Are drinking water wells affected? **NO** 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**
1131 Harbor Bay Pkwy
Alameda, CA 94502

Treatment and Disposal of Affected Material:

<u>Material</u>	<u>Amount (include units)</u>	<u>Action (Treatment or Disposal w/destination)</u>	<u>Date</u>
Tank Piping Free Product Soil	2 USTs	Disposed by H & H Shipping	7/24/89
Groundwater Barrels	760 cy gasoline, 880 cy diesel,	aerated and reused to backfill pit bioremediated and reused to fill pit	

Maximum Documented Contaminant Concentrations - - Before and After Cleanup

<u>Contaminant</u>	<u>Soil (ppm)</u>		<u>Water (ppb)</u>	
	<u>Before</u>	<u>After</u>	<u>Before</u>	<u>After</u>
TPH (Gas)	3,800	ND	ND	ND
TPH (Diesel)	9,400	30	960	ND
Benzene	32	ND	ND	ND
Toluene	320	ND	ND	ND
Ethylbenzene	98	ND	ND	ND
Xylenes	510	ND	ND	ND
Oil & Grease				
Heavy metals				
Other				

Comments (Depth of Remediation, etc.):

The diesel pit was overexcavated to 32' depth. The gasoline pit was overexcavated to 23-26' depth. Sidewall and bottom samples detected only 30 ppm TPH-D. No BTEX was detected.

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: **None**
 Number Decommissioned: **0, upon site closure** Number Retained: **1**
 List enforcement actions taken: **NOV issued**

List enforcement actions rescinded: **NOV rescinded**

V. LOCAL AGENCY REPRESENTATIVE DATA

Name: Eva Chu Title: Haz Mat Specialist

Signature: *Eva Chu* Date: 11/15/94

Reviewed by

Name: Barney Chan Title: Haz Mat Specialist

Signature: *Barney Chan* Date: 11-15-94

Name: Madhulla Logan Title: Haz Mat Specialist

Signature: *Madhulla Logan* Date: 11-14-94

VI. RWQCB NOTIFICATION

Date Submitted to RB: 11/16/94

RB Response: *Approved*

RWQCB Staff Name: Kevin Graves

Title: AWRCE

Signature: *Kevin Graves*

Date: 11/18/94

VII. ADDITIONAL COMMENTS, DATA, ETC.

Two USTs (1 diesel, 1 gasoline) were removed on July 1989. Soil collected from native soil beneath the USTs, at 10' depth, exhibited up to 3,800 ppm TPH-G, 9,400 ppm TPH-D, 32, 320, 98, and 510 ppm BTEX, respectively. The diesel pit was overexcavated to 32' depth. Sidewall and center bottom samples exhibited 30 ppm TPH-D and did not detect BTEX. The gasoline pit was overexcavated to 23-26' depth. Sidewall and bottom samples did not detect TPH-G or BTEX. Lead levels were at 20 mg/kg.

A compromise among the RWQCB, the RP, and this Agency was made to install one monitoring well at the point of highest contamination. The well has been sampled for four consecutive quarters, detecting 960 ppb TPH-D in July 22, 1992. BTEX has not been detected in any of the sampling events.

Approximately 760 cy of gasoline contaminated soil, and 880 cy of diesel contaminated soil were aerated and/or bioremediated onsite. When deemed "clean", the soils were re-used to backfill the former UST pits.

With the removal of the USTs and aeration/bioremediation of contaminated soil, groundwater quality beneath the site does not appear to be significantly impacted by the fuel release.