



September 14, 1994
STID 4393

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

REMEDIAL ACTION COMPLETION CERTIFICATION

Alameda Unified School District
2200 Central Ave.
Alameda, CA 94501

Re: Encinal High School, located at 210 Central Ave., Alameda

To Whom It May Concern:

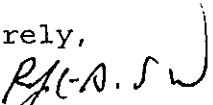
This letter confirms the completion of site investigation and remedial action for the 1,500-gallon heating oil underground storage tank at the above described location.

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 Juliet Shin at (510) 567-6763 if you have any questions regarding this matter.

Sincerely,


Rafat A. Shahid, Director

c: Edgar B. Howell, Chief, Hazardous Materials Division - files
Kevin Graves, RWQCB
Mike Harper, SWRCB

CASE CLOSURE SUMMARY
Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION

Date: June 13, 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: **Encinal High School**
Site facility address: **210 Central Ave, Alameda 94501**
RB LUSTIS Case No: **N/A** Local Case No./LOP Case No.: **4393**
URF filing date: **4/24/92** SWEEPS No: **N/A**

<u>Responsible Parties:</u>	<u>Addresses:</u>	<u>Phone Numbers:</u>
Alameda Unified School District	2200 Central Ave Alameda, CA 94501	

<u>Tank No:</u>	<u>Size in gal.:</u>	<u>Contents:</u>	<u>Closed in-place or removed?:</u>	<u>Date:</u>
1	1,500	Heating Oil	Removed	4/21/92

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: **Unknown**
Site characterization complete? **YES**
Date approved by oversight agency: **5/26/94**
Monitoring Wells installed? **YES** Number: **3**
Proper screened interval? **YES, 3 - 14.5'**
Highest GW depth below ground surface: **4.04'** Lowest depth: **6.13'**
Flow direction: **West to Southwest**
Most sensitive current use: **SF Bay**
Are drinking water wells affected? **NO** Aquifer name: **Merritt Sand**
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**
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 or Disposal w/destination)</u>	<u>Date</u>
Tank	1 UST	Erickson, Inc	4/21/92
Piping	1,000' left in place		
Free Product			
Soil	35 cy	Guadalupe L.F., San Jose	4/24/92
Groundwater			
Barrels			

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)				
TPH (Diesel)	ND	ND	640	ND
Benzene	ND	ND	ND	ND
Toluene	ND	ND	0.5	ND
Ethylbenzene	ND	ND	0.3	ND
Xylenes	ND	ND	2.3	ND

Oil & Grease
Heavy metals
Other

Comments (Depth of Remediation, etc.):

A four into one composite sample of the stockpiled soil detected 360 ppm TPH-D and .068 ppm xylenes. A groundwater grab sample exhibited up to 640 ppb TPH-D.

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:

Should corrective action be reviewed if land use changes? **YES**
 Monitoring wells Decommissioned: **No, upon case closure**
 Number Decommissioned: **0** Number Retained: **3**
 List enforcement actions taken: **None**

List enforcement actions rescinded:

V. LOCAL AGENCY REPRESENTATIVE DATA

Name: **Juliet Shin** Title: **Haz Mat Specialist**

Signature: *Juliet Shin* Date: *6/13/94*

Reviewed by

Name: **Eva Chu** Title: **Haz Mat Specialist**

Signature: *Eva Chu* Date: *6/13/94*

Name: **Jennifer Eberle** Title: **Haz Mat Specialist**

Signature: *J Eberle* Date: *6-14-94*

VI. RWQCB NOTIFICATION

Date Submitted to RB: RB Response:

RWQCB Staff Name: **Kevin Graves** Title: **AWRCE**

Signature: Date:

VII. ADDITIONAL COMMENTS, DATA, ETC.

At the time of tank removal, the product line was not flushed, nor was it capped. Some fuel product leaked into the pit. Subsequently, the product line, approximately 1,000 linear feet, has been capped and closed in place. No soil samples were collected beneath the product line because no information was available to show the exact location of the line.

Soil samples collected beneath the UST at the time of removal did not detect TPH-D or BTEX. A groundwater grab sample exhibited 640 ppb TPH-D, 0.5 ppb toluene, 0.3 ppb ethylbenzene and 2.3 ppb xylenes.

In June 1993 three monitoring wells were drilled and constructed within 10 - 35' of the former tank pit. Soil and groundwater collected from the well borings did not detect TPH constituents. The wells have been sampled for four consecutive quarters, and only once detected 69 ppb TPH-D in well MW-1, upgradient from the tank pit. BTEX were never detected in groundwater. It does not appear the operation of the heating oil UST has impacted groundwater quality beneath this site.