

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 3762 - 5787 Scarlett Court, Dublin 94568

September 14, 1994

Mr. Bruce Qvale
KJB Development
901 Van Ness Ave
San Francisco, CA 94109

Dear Mr. Qvale:

This letter confirms the completion of site investigation and remedial action for the two former underground storage tanks (two 12,000 gallon gasoline tanks) removed from the above site on October 28, 1988.

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 (qvale6)

CASE CLOSURE SUMMARY
Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION

Date: August 30, 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: Lew Doty Cadillac
Site facility address: 5787 Scarlett Ct, Dublin 94568
RB LUSTIS Case No: N/A Local Case No./LOP Case No.: 3762
URF filing date: 3/16/89 SWEEPS No: N/A

Responsible Parties: Addresses: Phone Numbers:

KJB Development 901 Van Ness Ave
c/o Bruce Qvale San Francisco, CA 94109

<u>Tank No:</u>	<u>Size in gal.:</u>	<u>Contents:</u>	<u>Closed in-place or removed?:</u>	<u>Date:</u>
1	12,000	Gasoline	Removed	10/28/88
2	12,000	Gasoline	Removed	10/28/88

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: Leaking USTs
Site characterization complete? YES
Date approved by oversight agency: 7/13/94
Monitoring Wells installed? YES Number: 5
Proper screened interval? YES, 5-15' bgs
Highest GW depth below ground surface: 3.17' Lowest depth: 5.94'
Flow direction: S, SW
Most sensitive current use: Irrigation
Are drinking water wells affected? NO Aquifer name:
Is surface water affected? NO Nearest affected SW name:
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:

<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	10/28/88
Groundwater	950 cy	Re-used to backfill pit	8/89, 10/90, and 6/91
Barrels	10K gallon 40K gallon	Vacuumed by H & H Treated and disposed to storm drain	11/3-4/88 Oct 1990

Maximum Documented Contaminant Concentrations - - Before and After Cleanup

Contaminant	Soil (ppm)		Water (ppb)	
	<u>Before</u>	<u>After</u>	<u>Before</u>	<u>After</u>
TPH (Gas)	3,400	960	760,000	ND
TPH (Diesel)				
Benzene	380	16	11,000	ND
Toluene	100	7.3	8,300	ND
Ethylbenzene	21	28	7,300	ND
Xylenes	200	100	22,000	ND
Oil & Grease				
Heavy metals				
Other Cl-HCs	ND			

Comments (Depth of Remediation, etc.):

Tank pit was excavated to remove contaminated soil down to the capillary fringe. Residual contamination is left at the northeast wall, along a high pressure water line.

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: **YES**
 Number Decommissioned: **2** Number Retained: **3**
 List enforcement actions taken: **None**

List enforcement actions rescinded:

V. LOCAL AGENCY REPRESENTATIVE DATA

Name: Eva Chu Title: Haz Mat Specialist

Signature: *eva chu* Date: 9/1/94

Reviewed by

Name: Juliet Shin Title: Haz Mat Specialist

Signature: *Juliet Shin* Date: 9/1/94

Name: Madhulla Logan Title: Haz Mat Specialist

Signature: *Madhulla Logan* Date: 9/1/94

VI. RWQCB NOTIFICATION

Date Submitted to RB: 9/2/94

RB Response: *Approved*

RWQCB Staff Name: Kevin Graves

Title: AWRCE

Signature: *K Graves*

Date: 9/8/94

VII. ADDITIONAL COMMENTS, DATA, ETC.

Two 12,000 gallon gasoline USTs were removed in October 28, 1988. The tanks had obvious through holes. Initial soil samples collected from the side walls exhibited up to 3,400 ppm TPH-G, 380, 100, 21, and 200 ppm BTEX, respectively. Groundwater grab sample collected from the pit exhibited up to 350,000 ppb TPH-G, 27,000, 8,300, 7,300, and 22,000 ppb BTEX, respectively. Depth to water was at approximately 9.5'. The pit was overexcavated to remove, to the extent possible, contaminated soil exhibiting in excess of 100 ppm TPH-G. Excavation to the northeast was limited due to a high pressure water line. Up to 960 ppm TPH-G, 16, 7.3, 28, and 100 ppm BTEX, respectively, was left at this wall.

Three soil borings and four monitoring wells were advanced in January 1990 to delineate the extent of soil contamination, to verify groundwater flow direction, and to evaluate groundwater quality beneath the site. Only the downgradient well, MW-2, exhibited elevated gasoline and benzene levels.

The pit was left open while the stockpiled soil was aerated. The soil was used to backfill the pit after adequate aeration and with approval from this agency. 40K gallons of groundwater was pumped from the pit and treated onsite by air stripping and processed through activated carbon, and subsequently discharged to the storm drain with approval from the local POTW, Dublin San Ramon Services District.

The pit was again overexcavated, to the south and west, destroying wells MW-1 and MW-2. Monitoring well MW-5 was installed in August 1990, within 10' and in the downgradient direction of the final pit excavation. After 5

quarters of sampling well MW-5, only 130 ppb TPH-G and 0.9 ppb toluene have been detected (in March 1993). The last three quarters of sampling, from June 1993 to February 1994, did not detect any target compounds sought.

With the source removal, residual contaminated soil at the northeast wall of the pit does not appear to have significantly impacted shallow groundwater quality beneath the site. It is also unlikely to impact the nearby irrigation well, which is screened from 103-106' and 173-178' depth.