



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

REMEDIAL ACTION COMPLETION CERTIFICATION

StID 2045 - 6015 Scarlett Ct, Dublin 94568

November 18, 1994

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

Dear Qvale:

This letter confirms the completion of site investigation and remedial action for the former underground storage tanks (two 550 gallon waste oil tanks) removed from the above site on August 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,

A handwritten signature in cursive script, appearing to read 'Rafat A. Shahid'.

Rafat A. Shahid, Director

cc: Edgar B. Howell, Chief, Hazardous Materials Division
Kevin Graves, RWQCB
Mike Harper, SWRCB (with attachment)
files (vniisan4)

Treatment and Disposal of Affected Material:

<u>Material</u>	<u>Amount</u> <u>(include units)</u>	<u>Action (Treatment</u> <u>or Disposal w/destination)</u>	<u>Date</u>
Tank Piping Free Product	Two USTs	Disposed by Erickson	8/5/88
Soil Groundwater Barrels	74 cy	Disposed at Casmalia Resources	8/12/88

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)	NA		ND	ND
TPH (Diesel)	3,200	ND	ND	ND
Benzene	Not Analyzed		ND	ND
Toluene	NA		ND	ND
Ethylbenzene	NA		ND	ND
Xylenes	NA		ND	ND
Oil & Grease	150	895	ND	ND
Heavy metals	Cd Cr Pb Ni Zn - 5, 23, 22, 27, 36 ppm			
Other DCA			0.5	ND
DCE			0.4	ND

Comments (Depth of Remediation, etc.):

The pit was overexcavated, leaving up to 895 ppm TOG in the sidewalls, at 6' depth, and 135 ppm TOG at the bottom of the pit. Groundwater is at approximately 6.5' depth.

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

List enforcement actions rescinded:

V. LOCAL AGENCY REPRESENTATIVE DATA

Name: Eva Chu Title: Haz Mat Specialist

Signature:  Date: 11/01/94

Reviewed by


Name: Barney Chan Title: Haz Mat Specialist

Signature:  Date: 10/31/94

Name: Madhulla Logan Title: Haz Mat Specialist

Signature:  Date: 10/31/94

VI. RWQCB NOTIFICATION

Date Submitted to RB: 10/10/94 RB Response: 

RWQCB Staff Name:  Title: RWQCB

Signature: Kevin Graves Date: 11/7/94

VII. ADDITIONAL COMMENTS, DATA, ETC.

When two waste oil USTs were removed in August 1988, soil collected from beneath the tanks exhibited up to 3,200 ppm TPH-D and 150 ppm TOG. The pit was overexcavated, and still up to 895 ppm TOG was detected at 6' depth. The soil was only analyzed for TPH-D and TOG. Analysis by Standard Method 503D was used to determine TOG. This method also detects fatty acids and vegetable oils, therefore, it cannot be certain if the amount of O&G in soil associated with the waste oil tank was entirely from hydrocarbon oil and grease.

In December 1989 three soil borings were advanced around and within 10' of the tank pit. One of the borings was converted into a monitoring well. Soil collected from each boring, at 7.5' depth, did not detect Cl-HC, TPH-G, TPG-D, or TOG. Contaminated soil left in place appears to be limited in extent.

A monitoring well was installed in the inferred downgradient direction, within 10' of the pit excavation. Wells at an adjacent site, 6055 Scarlett Ct, Dublin, indicate groundwater flows from the SE to SW direction. The only feasible downgradient location for the monitoring well at this site was SW of the tank pit, due to the proximity of a building.

Groundwater has been sampled for 6 quarters (12/89, 3/90, 7/90, 10/90, 1/91 and 11/92), and has not detected TPH-G, TPH-D, BTEX, TOG, or Cl-HC. Trace levels (at and just above the detection limits, but below DHS action limits) of DCA and DCE were detected in the first sampling event. Residual contaminated soil left in place, up to 895 ppm O&G, appears to be bound to the clay sediments of high plasticity, and does not appear to have leached

into groundwater. Groundwater conductivity exceeds 5,000 umhos/cm, therefore is not of drinking water quality. Further monitoring of this site is not necessary.