

ALAMEDA COUNTY  
HEALTH CARE SERVICES  
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH  
State Water Resources Control Board  
Division of Clean Water Programs  
UST Local Oversight Program  
80 Swan Way, Rm 200  
Oakland, CA 94621  
(510) 271-4530

**REMEDIAL ACTION COMPLETION CERTIFICATION**

April 20, 1994

Unocal  
2000 Crow Canyon Plaza. #400  
San Ramon, CA - 91583

StID 676

Case Closure  
Unocal  
5300 Broadway, Oakland, CA - 94621

Dear Mr. Bock:

This letter confirms the completion of site investigation and remedial action for the the above mentioned site. With the provision that the information provided to this agency was accurate and representative of existing conditions, this office has determined that no further action is required at this time.

Based on the information submitted and current requirements, the RWQCB has also accepted the determination of this agency that no further action is required at this time. Further work could be required if conditions change or a water quality threat is discovered at the site.

If you have any questions regarding this letter, please give Ms. Madhulla Logan a call at (510) 271-4530.

Very truly yours,

A handwritten signature in dark ink, appearing to read 'Rafat A. Shahid'.

Rafat A. Shahid  
Assistant Agency Director

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

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CASE CLOSURE SUMMARY

QUALITY CONTROL BOARD

Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION

Date: 03/21/94

Agency name: Alameda County-HazMat Address: 80 Swan Wy., Rm 200  
 City/State/Zip: Oakland Phone: (510) 271-4320  
 Responsible staff person: Madhulla Logan Title: Hazardous Materials Spec.

II. CASE INFORMATION

Site facility name: UNOCAL  
 Site facility address: 5300 Broadway, Oakland, CA - 94621  
 RB LUSTIS Case No: N/A Local Case No./LOP Case No: 676  
 URF filing date: 12-5-89 SWEEPS No: N/A

Responsible Parties: Addresses: Phone Numbers:

Ron Bock, Unocal Corp 2000 Crow Canyon Pl. #400  
 San Ramon, CA 91583  
 Erna Miller, 110, 41st street,  
 Oakland, CA 94611

<u>Tank No:</u>	<u>Size in gal.:</u>	<u>Contents:</u>	<u>Closed in-place or removed?:</u>	<u>Date:</u>
1	10000	gasoline	removed	11/22/89
2	10000	gasoline	removed	11/22/89
3	250/280	waste oil	removed	11/22/89

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: undetermined  
 Site characterization complete? YES  
 Date approved by oversight agency: N/A  
 Monitoring Wells installed? YES Number: 3  
 Proper screened interval? NO  
 Highest GW depth below ground surface: 9.5 ft Lowest depth: 2.48 ft  
 Flow direction: north west  
 Most sensitive current use: none  
 Are drinking water wells affected? yes Aquifer name: (Meritt Sand)  
 Is surface water affected? NO Nearest affected SW name: N/A  
 Off-site beneficial use impacts (addresses/locations): Commerce

APR 5 1994  
 HAZMAT  
 ALCO

Leaking Underground Fuel Storage Tank Program

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 of Disposal w/destination)</u>	<u>Date</u>
Tank	3	Disposal, H & H Environmental Service (disposal documentation submitted)	11/21/89
Piping			
Free Product			
Soil	1342 cu yds	Class II- L.W.M.I, McKittrick, CA Class III-Redwood Sanitary, Novato (disposal documentation submitted)	01/04/90 03/07/90
Groundwater	52,200 gal	disposal, H & H Environmental (disposal documentation submitted)	from 11/27/89 to 01/22/90

**III. Maximum Documented Contaminant Concentrations - - Before and After Cleanup**

Contaminant	Soil (ppm)		Water (ppm)		
	Before	After	Pit	H2O	Before After
TPH (Gas)	22	ppm	0.3	0.590	ND
TPH (Diesel)	ND		ND	0.0054	ND
Benzene	ND		0.013	0.0025	ND
Toluene	ND		0.0084	ND	ND
Xylene	ND		0.02	ND	ND
Ethylbenzene	ND		ND	ND	ND
Oil & Grease	13		1.0	-	
Heavy metals	Pb 3ppm, Cd - 3.7 ppm, Zn - 100 ppm				
1,1 DCE			9.8ppb		

**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? **YES**  
 Site management requirements: **NA**

Should corrective action be reviewed if land use changes? **YES**

Monitoring wells Decommissioned: **NO** (They are waiting for a closure letter to decommission the wells)

Number Decommissioned: **N/A**

Number Retained: **N/A**

Leaking Underground Fuel Storage Tank Program

List enforcement actions rescinded: N/A

V. LOCAL AGENCY REPRESENTATIVE DATA

Name: Madhulla Logan  
Signature: *Madhulla Logan*

Title: Supervising HMS  
Date: 3/21/94

Reviewed by

Name: Tom Peacock  
Signature: *Tom Peacock*

Title: Haz Mat Spec  
Date: 3/21/94

Name: JULIET SHIN  
Signature: *Juliet Shin*

Title: Haz Mat Spec  
Date: 3/21/94

VI. RWQCB NOTIFICATION

Date Submitted to RB:  
RWQCB Staff Name: Rich Hiett

RB Response: *Concur*  
Title: San. Engineering Assn. Date: *3/30/94*

VII. ADDITIONAL COMMENTS, DATA, ETC.

At present the site is used as a gasoline service station. Three underground storage tanks were removed on November 22, 1989. During the removal inspection, no holes were observed by the inspector. Ground water was encountered at about 8 feet below ground surface, prohibiting soil sampling directly beneath the tank. Later ground water was encountered at about 3 feet in the waste oil tank which may be due to the presence of a confined ground water table.

Six side wall sample was collected from the gasoline tank. Initially two side wall samples were collected from the waste oil tank. Later four additional soil samples and one water sample were collected after approximately 8700 gallons of water was pumped out from the pit during and after the additional tank excavation. As mentioned above none of the concentrations in the soil were significantly high to be considered a threat. However, the water sample collected from the waste oil pit indicated the presence of gasoline, benzene, xylene, Toluene, and oil and grease and hence ground water monitoring was requested in quarterly intervals.

Three monitoring wells were installed. In the first sampling event, 590 ppb of gasoline, 5.4 ppb of diesel, and 2.5 ppm of benzene was present in the groundwater. Subsequent monitoring for four quarters have not detected any constituents above the detection levels in all three monitoring wells. Though 1, 1 DCE was present in the water sample from the waste oil pit, the concentration found was relatively low to be considered as a threat. So given the current data, the site appears to pose no threat to human health or to the ground water quality.

*Grab*