

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

July 7, 1994
STID 2263

REMEDIAL ACTION COMPLETION CERTIFICATION

Mr. John Dearden
Sequoiah Country Club
4550 Heafey Rd.
Oakland, CA 94605

Re: Sequoiah Country Club, 4550 Heafey Rd., Oakland, CA

Dear Mr. John Dearden:

This letter confirms the completion of site investigation and remedial action for the 5,000-gallon and 550-gallon gasoline underground storage tanks 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) 337-9331 if you have any questions regarding this matter.

Sincerely,

Handwritten signature of Rafat A. Shahid in cursive.

Rafat A. Shahid
Assistant Agency Director

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

LOP\Completion

ALCO
HAZMAT

JUN - 7 1994 KLG

QUALITY CONTROL BOARD

94, 98, CASE CLOSURE SUMMARY
Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION

Date:

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

II. CASE INFORMATION

Site facility name: Sequoia Country Club
Site facility address: 4550 Heafy Road, Oakland, CA 94605
RB LUSTIS Case No: N/A Local Case No./LOP Case No.: 2263
URF filing date: 5/11/92 SWEEPS No: N/A

<u>Responsible Parties:</u>	<u>Addresses:</u>	<u>Phone Numbers:</u>
Sequoyah Country Club	4550 Heafey Rd. Oakland, CA 94605	(510) 632-2903

<u>Tank No:</u>	<u>Size in gal.:</u>	<u>Contents:</u>	<u>Closed in-place or removed?:</u>	<u>Date:</u>
1	5,000	gasoline	removed	8/7/91
2	550	gasoline	removed	8/7/91

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: Unknown. It appears that the tanks were in good shape with no apparent holes.

Site characterization complete? YES

Date approved by oversight agency: 5/9/94

Monitoring Wells installed? YES Number: One

Proper screened interval? YES

Highest GW depth below ground surface: 54' bgs Lowest depth: 54' bgs

Flow direction: Estimated to be towards the west (the creek)

Most sensitive current use: Potential recharge for creek.

Are drinking water wells affected? NO Aquifer name: Unknown

Is surface water affected? NO Nearest affected SW name: Name Unknown

Off-site beneficial use impacts (addresses/locations): Unknown

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</u> (include units)	<u>Action (Treatment</u> <u>of Disposal w/destination)</u>	<u>Date</u>
Tank	One 5,000-gallon One 550-gallon	H & H Ship Service Co. 220 China Basin St.	8/7/91
Piping	Unknown	San Francisco, CA	
Soil	Apparently, reused on site, since ND levels		

III. RELEASE AND SITE CHARACTERIZATION INFORMATION (Continued)
Maximum Documented Contaminant Concentrations - - Before and After Cleanup

Contaminant	Soil (ppm)		Water (ppm)	
	<u>Before</u>	<u>After</u>	<u>Before</u>	<u>After</u>
TPH (Gas)	11,000	ND	ND	
TPH (Diesel)	NA	NA	NA	
Benzene	1.1	ND	ND	
Toluene	82	ND	ND	
Xylene	200	ND	ND	
Ethylbenzene	64	ND	ND	
Lead	26	23.7	ND	
Comments (Depth of Remediation, etc.):				

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** **(NO)**

Monitoring wells Decommissioned: **YES** **(NO)**

Number Decommissioned: **1, after closure.** Number Retained:

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List enforcement actions taken: NA

List enforcement actions rescinded: NA

V. LOCAL AGENCY REPRESENTATIVE DATA

Name: Juliet Shin Title: Hazardous Materials Specialist
Signature: *Juliet Shin* Date: 6/1/94

Reviewed by

Name: Eva Chu Title: Hazardous Materials Specialist
Signature: *Eva Chu* Date: 6/1/94

Name: Thomas Peacock Title: Senior Haz. Mat. Spec.
Signature: *Thomas Peacock* Date: 6/1/94

VI. RWQCB NOTIFICATION

Date Submitted to RB: RB Response: ~~None~~ *OK Kevin Graves*
RWQCB Staff Name: Kevin Graves Title: San. Engineering Asso. Date: *6/16/94*

VII. ADDITIONAL COMMENTS, DATA, ETC.

On August 7, 1991, two gasoline underground storage tanks (UST), one 5,000-gallon and one 550-gallon, were removed from the site. No holes were apparent in either tank. The USTs were installed in the 1970s and the tanks were taken out of service in July 1991. Initially, two soil samples were collected from beneath each end of the 5,000-gallon UST, two soil samples from beneath the 550-gallon UST, and one soil sample from beneath the fuel pump adjacent to the 5,000-gallon UST. The soil sample collected from beneath the fuel pump identified 11,000 ppm TPHg, 1.1 ppm benzene, 82 ppm toluene, 64 ppm ethylbenzene, 200 ppm xylenes, and 26 ppm lead. The soil sample collected from beneath the 550-gallon UST identified 0.67 ppb benzene, .027 ppb toluene, 0.32 ppb xylenes, and 13.1 ppm lead. On September 5, 1991, additional excavation was conducted in both tank pits. Five confirmatory soil samples were collected from the 5,000-gallon UST tank pit, and one additional soil sample was collected from the 550-gallon UST excavation. All the confirmatory soil samples were Non Detect for TPHg and BTEX. Trace concentrations of lead were identified in all the soil samples.

On August 12, 1993, one monitoring well was installed at the site, within 10 feet of the tank pit in the estimated downgradient direction. The ground water gradient flow direction was estimated to be flowing towards the nearby creek, to the west. Ground water was first encountered at 54 feet below ground surface. The monitoring well was installed to a depth of 64 feet below ground surface, and screened from 49 feet to 64 feet below

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ground surface. Soil types consisted of clay from ground surface down to approximately 44 feet below ground surface, and bedrock from 44 feet to 64 feet below ground surface. Three soil samples, collected from 20, 25 and 50 feet below ground surface during drilling, were analyzed for TPHg and BTEX. No contaminants were identified above detection limits. On February 7, 1994, one ground water sample was collected from this well, and analyzed for TPHg, BTEX, and lead. No contaminants were identified over detection limits.

From the investigative information obtained to date, it appears that most, if not all, of the soil contamination, was excavated out, and that the ground water was not impacted. It appears that the 40 feet of clay and 10 feet of bedrock identified in the boring log may have acted as a sufficient barrier in preventing any impacts to the ground water.