

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

July 7, 1994
StID # 2064

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

Mr. George Rhodes
George M. Robinson & Co.
852 85th Ave.
Oakland CA 94621

RE: George M. Robinson & Co., 852 85th Ave., Oakland 94621

Dear Mr. Rhodes:

This letter confirms the completion of site investigation and remedial action for the 450 gallon gasoline underground storage tank at the above described location.

Based upon the available information and with 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 the regulation contained in Title 23, Division 3, Chapter 16, Section 2721 (e) of the California Code of Regulations.

Please contact Barney Chan at (510) 217-4320 if you have any questions regarding this matter.

Sincerely,

Rafat A. Shahid
Rafat A. Shahid
Assistant Agency Director

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

RACC852

CASE CLOSURE SUMMARY
Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION

Date: 6/03/94

Agency name: Alameda County-HazMat Address: 80 Swan Wy., Rm 200
City/State/Zip: Oakland Phone: (510) 271-4530
Responsible staff person: Barney Chan Title: Hazardous Materials Spec.

II. CASE INFORMATION

Site facility name: George M. Robinson & Co.
Site facility address: 852 85th Ave., Oakland CA 94621
RB LUSTIS Case No: N/A Local Case No./LOP Case No.: 2064
ULR filing date: 12/26/90 SWEEPS No: N/A

<u>Responsible Parties:</u>	<u>Addresses:</u>	<u>Phone Numbers:</u>
Mr. George Rhodes	852 85th. Ave., Oakland 94621	(510) 632-4895

<u>Tank No:</u>	<u>Size in gal.:</u>	<u>Contents:</u>	<u>Closed in-place or removed?:</u>	<u>Date:</u>
1	450	Gasoline	Removed	10/18/90

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: assumed overfilling

Site characterization complete? Yes

Date approved by oversight agency:

Monitoring Wells installed? YES Number: 2 plus one piezometer

Proper screened interval? YES, 10-20', based on the depth of the first encountered groundwater, however, the static water level is above the screened interval indicating a confined aquifer.

Highest GW depth below ground surface: 6.77' Lowest depth: 7.94'

Flow direction: Direction of groundwater has varied from northeast to north to northwest.

Leaking Underground Fuel Storage Tank Program

Most sensitive current use: Undetermined

Are drinking water wells affected? NO Aquifer name:

Is surface water affected? NO Nearest affected SW name: NA

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 of Disposal w/destination)</u>	<u>Date</u>
Tanks & Piping	1-450 gallon	Disposed at Erickson	10/18/90
Soil	24 cy	Disposed at US Ecology, Nevada	3/25 and 3/26/92
Purge Water		Disposed to sanitary sewer with permission from the Oakland Sewer District.	

Maximum Documented Contaminant Concentrations - - Before and After Cleanup

<u>Contaminant</u>	<u>Soil (ppm)</u>		<u>Water (ppm)</u>	
	<u>Before</u>	<u>After</u>	<u>Before</u>	<u>After</u>
TPH (Gas)	140	140	4.0	ND
Benzene	0.54	0.98	0.088	ND
Toluene	0.44	0.44	0.055	ND
Ethylbenzene	0.70	0.70	0.044	ND
Xylenes	1.7	1.7	0.18	ND
Other- Lead	80			
Barium	9800	270	NA	0.28

Comments (Depth of Remediation, etc.): No overexcavation performed, however, four borings advanced around the tank pit to define the extent of contamination. Up to 8.5 ppm TPHg, 0.98 ppm benzene, 0.011ppm toluene, 0.074ppm ethylbenzene and 0.17ppm xylenes found at 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:

Leaking Underground Fuel Storage Tank Program

Should corrective action be reviewed if land use changes? No

Monitoring wells Decommisioned: NO

Number Decommisioned: 0

Number Retained: 2 and 1 piezometer

List enforcement actions taken: None

List enforcement actions rescinded:None

V. LOCAL AGENCY REPRESENTATIVE DATA

Name: Barney M. Chan

Title: Hazardous Materials Specialist

Signature: *Barney M Chan*

Date: 6/9/94

Reviewed by

Name: Jennifer Eberle

Title: Hazardous Materials Specialist

Signature: *J Eberle*

Date: 6-8-94

Name: Eva Chu

Title: Hazardous Materials Specialist

Signature: *eschu*

Date: 6/8/94

VI. RWQCB NOTIFICATION

Date Submitted to RB: 6/10/94

RB Response:

RWQCB Staff Name: K. Graves

Title: AWRCE Date:

VII. ADDITIONAL COMMENTS, DATA, ETC.

See site summary attachment

Site Summary for George M. Robinson & Co.,
852 85th Ave., Oakland CA 94621

October 18, 1990- A 450 gallon gasoline tank was removed from this site. A total of four sidewall soil, one composite stockpile soil and one grab groundwater sample taken. The sidewall samples were taken from 9-11' and the GW sample was taken at 11' BGS. The highest sidewall sample concentration was 140 ppm gas and 0.54, 0.44, 0.7 and 1.7 ppm BTEX respectively, although the composite soil sample detected 340 ppm gas and 6.2, 7.5, 6.2 and 29 ppm BTEX respectively. Since the backfill is more contaminated than the native samples, overfilling is suspected. The grab water sample detected 4 mg/l gas and 0.088, 0.055, 0.044 and 0.18 mg/l BTEX. Total lead on the spoils sample was 80 ppm. High levels of barium was found in the spoils which was disposed at a Class I facility in Nevada.

March 13, 1991 Eight boreholes advanced around the tank pit with at least 2 soil samples taken from each hole and screened using an OVM. Only two samples from the 4-5' depth range on the north side of the tank detected any instrument readings.

Because of the high total barium found in spoils, RP wanted to avoid overexcavation. The barium detected was suspected to be from barium sulfate which is exempted as hazardous per Title 22. The RP opted to dispose of these spoils to a Class I facility as oppose to declassifying the soil.

April 14, 1993- Four borings were advanced on the four sides of the tank within 5' of the previous excavation. Soil samples were taken at 5 and 10' depths. The highest sample result were 8.5 ppm gasoline and 0.98, 0.011, 0.074 and 0.17 ppm BTEX respectively. It therefore appears that the vertical and lateral extent of TPHg and BTEX is confined to the former tank area. In addition, a composite of the four soil samples from 5' and 10' were analyzed for barium. These composite samples were well below the TTLC and ten times the STLC for barium. This indicates that the high barium found in the stockpiled soils may be localized.

July 7-July 8, 1993- Two monitoring wells and one piezometer were installed at this site. The first encountered water was at sixteen feet. The wells and piezometer were screened from 10-20'. The equilibrated water level is from 7-8' BGS. Soil samples were taken from the two wells for analysis and found low to ND concentrations of gas and BTEX.

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Four consecutive quarters of monitoring has occurred at this site. The gradient is shallow and its direction has varied from northeast, to north, to northwest. MW-2 has at all times been either downgradient or crossgradient to the former tank. The low to ND concentrations of TPHg, BTEX and soluble barium support the belief that groundwater is only marginally impacted and the site should be recommended for closure. It is noted that benzene has never been detected in any monitoring event, and the other organic parameters have been detected only slightly above their detection limits. The soluble barium concentration is also less than its MCL concentration.