

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

August 18, 1994

STID # 1103

REMEDIAL ACTION COMPLETION CERTIFICATION

Michelle Heffes  
Port of Oakland  
530 Water Street,  
Oakland, CA

Karles Westerman  
Avis Rent A Car  
1 Neil Armstrong Way  
Oakland, CA

Ref: Avis Rent A Car, Inc, 1 Neil Armstrong Way, Oakland, CA

Dear Mr. Heffes and Mr. Westerman:

This letter confirms the completion of site investigation and remedial action for the two gasoline underground storage tanks at the above mentioned 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 Madhulla Logan at (510) 271-4320 if you have any questions regarding this matter.

Very truly yours,

*Rafat A. Shahid*  
Rafat A. Shahid  
Assistant Agency Director

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

**CASE CLOSURE SUMMARY**  
**Leaking Underground Fuel Storage Tank Program**

**I. AGENCY INFORMATION**

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.**

Date: July 6, 1994

**II. CASE INFORMATION**

Site facility name: **Avis Rent A Car System Inc**  
Site facility address: **1 Neil Armstrong Way, Oakland, CA (in Oakland International Airport)**  
RB LUSTIS Case No: **N/A** Local Case No./LOP Case No.: **1103**  
URF filing date: **3/05/90** SWEEPS No: **N/A**

**Responsible Parties:                      Addresses:                      Phone Numbers:**

Michelle Heffes,  
Port of Oakland                      530, Water Street, Oakland, CA

Karles Westerman  
Avis Rent A CAR                      1 Neil Armstrong Way, Oakland, CA

<u>Tank No:</u>	<u>Size in gal.:</u>	<u>Contents:</u>	<u>Closed in-place or removed?:</u>	<u>Date:</u>
2	10,000	Gasoline(probably)	removed	08/25/89

**III. RELEASE AND SITE CHARACTERIZATION INFORMATION**

Cause and type of release: **Overfilling-Gasoline (BTEX)**

Site characterization complete? **YES**

Date approved by oversight agency: **February 1994**

Monitoring Wells installed?                      **YES**                      Number: **4** total, 1 destroyed

Proper screened interval?                      **YES**

Highest GW depth below ground surface: **5 feet**                      Lowest depth: **7 feet**

Flow direction: **South-South East to East-South East**

Most sensitive current use: **none**

Are drinking water wells affected?                      **No**                      Aquifer name: **NA**

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

Off-site beneficial use impacts (addresses/locations): **Not Known**

Leaking Underground Fuel Storage Tank Program (Continued)

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	2 tanks	Levins Metals Corp, Richmond, CA	08/29/89
Piping		Levins Metals Corp, Richmond, CA	08/29/89
Free Product	N/A		
Soil		BFI Landfill, Livermore, CA	
Groundwater	2000 Gal	H & H disposal facility, San Francisco, CA	03/27/91
Barrels	N/A		

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>Pit</u>	<u>Before</u>	<u>After</u>
TPH (Gas)	290(9 ft)	ND	36	12	ND
TPH (Diesel)	N/A	N/A	N/A		
Benzene	ND	ND	3.4	0.65	ND
Toluene	0.24(9ft)	0.006	4.7	0.05	ND
Xylene	2.2(9 ft)	ND	10	2.2	ND
Ethylbenzene	1.8(9 ft)	0.007	1.7	0.028	ND
Oil & Grease	N/A	N/A	N/A	N/A	N/A
Heavy metals	N/A	N/A	N/A	N/A	N/A
Other- PNA's-Methyl Napthalene		ND		0.25	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

Monitoring wells Decommisioned: YES

Number Decommisioned: 1

Number Retained:3

Leaking Underground Fuel Storage Tank Program (continued)

List enforcement actions taken:N/A

List enforcement actions rescinded:N/A

**V. LOCAL AGENCY REPRESENTATIVE DATA**

Name: Madhulla Logan  
Signature: *Madhulla Logan*

Title: Haz Mat Specialist  
Date: June 21, 1994

**Reviewed by**

Name: Tom Peacock  
Signature: *Tom Peacock*

Title: Haz Mat Specialist  
Date: 7-7-94

Name: Eva Chu  
Signature: *Eva Chu*

Title: Haz Mat Specialist  
Date: 7/1/94

**VI. RWQCB NOTIFICATION**

Date Submitted to RB:  
RWQCB Staff Name: Kevin Graves

RB Response: *None Approved The Evans*  
Title: San. Engineering Asso. Date: *7/27/94*

**VII. ADDITIONAL COMMENTS, DATA, ETC.**

On August 25, 1989, two 10000 gallon gasoline tanks was removed by Pearson Equipment and Maintenance Co, and one replacement tank was installed approximately south of the old tanks. Upon excavation of the 2 tanks, a black liquid was reportedly observed floating on the groundwater and a gasoline odor was present. The tanks and pipelines were reported to be in good condition, with no visible holes or damage. Six soil samples and two groundwater samples were collected during the tank removal process. Analytical results reported slightly elevated levels of the target constituents which warranted additional investigation. Soils excavated from the old tanks were stockpiled on-site and covered with visqueen. These soils were aerated by OHM Corporation, Walnut Creek, California.

To determine the location of the new tank, handauger boring EB1 was advanced to 6 ft depth in May 1989 for the purpose of collecting a soil and water sample. The personnel involved with the field work noted that the soil had changed from reddish brown to gray-black at about 6 feet down the boring. Also, the soil had a strong odor of gasoline and oil sheen. Soil collected at 6 feet depth indicated 640 ppm of TPH-g, and a groundwater grab sample indicated 36,000 ppb of TPH-g, 5.2ppb benzene, and 1300 ppb xylene. Hence this location was abandoned in favor of an area located further to the south of fuel dispensing island. Boring EB2 was advanced here and a soil and water sample was collected and analyzed for TPHg and BTEX. The soil sample results indicated concentrations below detection limits for all the target constituents. The water sample collected from EB2 at 7 feet indicated concentrations of low to medium boiling point hydrocarbons at 320 ppb, Benzene at 2.8 ppb, Toluene at 23 ppb, Ethyl Benzene 11ppb and Xylenes at 72

ppb. The soils excavated near EB1 were stockpiled separately, and were aerated

on-site. After two weeks, on September 7, 1989 Dames and Moore took four samples of the stockpiled soil from the new tank excavation. Laboratory tests indicated that the soil samples contained no detectable levels of TPH and BTX&E or organic lead (report dated October 4, 1989). Therefore, the stockpiled soil was subsequently used for backfill.

Three monitoring wells were installed in May 1990 and an additional monitoring well was installed in 1991 as a replacement for a MW-1 that was abandoned due to its location near the proposed excavation. During well installation, a soil sample collected from boring MW1 at 6-6.5 feet indicated the presence of TPHg and BTEX. Hence a soil gas investigation was conducted. Twelve soil gas samples were collected and analyzed for TPHg, and BTEX. only 1 sample, 5 feet northeast of MW-1 had concentrations of TPHg at 230 ppm, Benzene at 26 ppm, toluene at 23 ppm, and xylene at 13 ppm. In March 1991 an additional 50 cubic yards of soil were excavated from this area, destroying MW-1 (report dated May 20, 1991) pursuant to a work plan approved by the Alameda County Health Department. Seven verification samples were collected from the walls and floor of the pit and analyzed for TPHg, BTEX and PNA. The only detects were found in sample S-4 at concentrations of 0.006 and 0.007 mg/kg of toluene and ethyl benzene. The soil that was excavated ( 50 cubic yds) was added to the bio-reactor still operating-on-site. In June 1991, laboratory analysis of samples of the bio-remediated soil indicated that the soil could be disposed of at a class III landfill. The soil was disposed of at a class III landfill. the soil was disposed at the BFI landfill in Livermore by Pearson Equipment Company.

Quarterly groundwater monitoring was conducted starting May 1990 until February 1994. No target constituents have been detected for the last four sequential quarters.