

ALAMEDA COUNTY  
HEALTH CARE SERVICES  
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH  
ALAMEDA COUNTY CC4580  
DEPT. OF ENVIRONMENTAL HEALTH  
ENVIRONMENTAL PROTECTION DIV.  
1131 HARBOR BAY PKWY., #250  
ALAMEDA CA 94502-6577

February 15, 1995  
StID # 525

REMEDIAL ACTION COMPLETION CERTIFICATION

Mr. Dick Young  
Armor Equipment Sales Corp.  
1137 57th Ave.  
Oakland CA 94621

*File (closed site)*

RE: Armor Equipment Sales Corp., 1137 57th Ave., Oakland, 94621

Dear Mr. Young:

This letter confirms the completion of site investigation and remedial action for the one 1000 gallon fuel 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) 567-6765 if you have any questions regarding this matter.

Sincerely,

Rafat A. Shahid  
Assistant Agency Director

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

RACC1137

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

**I. AGENCY INFORMATION**

**Date:** 1/17/95

**Agency name:** Alameda County-HazMat **Address:** 1131 Harbor Bay Parkway, Rm 250  
**City/State/Zip:** Alameda CA94502 **Phone:** (510) 567-6700  
**Responsible staff person:** Barney Chan **Title:** Hazardous Materials Spec.

**II. CASE INFORMATION**

**Site facility name:** Armor Equipment Sales Corp.  
**Site facility address:** 1137 57th Ave., Oakland CA 94621  
**RB LUSTIS Case No:** N/A **Local Case No./LOP Case No.:** 525  
**ULR filing date:** 3/29/93 **SWEEPS No:** N/A

<u>Responsible Parties:</u>	<u>Addresses:</u>	<u>Phone Numbers:</u>
Mr. Dick Young	1137 57th Ave., Oakland CA 94621	(510) 532-0688

<u>Tank No:</u>	<u>Size in gal.:</u>	<u>Contents:</u>	<u>Closed in-place or removed?:</u>	<u>Date:</u>
1	1000	unknown	Removed	2/4/93

**III. RELEASE AND SITE CHARACTERIZATION INFORMATION**

**Cause and type of release:** unknown cause, assume overfilling  
**Site characterization complete?** Yes  
**Date approved by oversight agency:**  
**Monitoring Wells installed?** YES **Number:** 1  
**Proper screened interval?** Yes, 6.5-25', based on first encountered water  
**Highest GW depth below ground surface:** 5.7' **Lowest depth:** 6.8'  
**Flow direction:** Assumed southwesterly

**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**  
1131 Harbor Bay Parkway Rm250  
Alameda CA 94502

**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	1-1000 gallon	Disposed at Erickson	10/11/91
Soil	23 cy	Disposed at McKittrick Waste Treatment Site	12/29/94

**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)	790	ND	ND	ND
TPH (Diesel)	ND	ND	ND	ND
Benzene	ND	ND	ND	ND
Toluene	ND	ND	ND	ND
Xylene	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND
Oil and Grease	650	ND	ND	ND
Total Lead	29	29	NA	

**Comments (Depth of Remediation, etc.):**

**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 Decommissioned: NO

Number Decommissioned: 0

Number Retained: 1

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: 2/1/95

**Reviewed by**

Name: Jennifer Eberle

Title: Hazardous Materials Specialist

Signature: *J Eberle*

Date: 1-30-95

Name: Tom Peacock

Title: Sup. Haz. Mat. Specialist

Signature: *Tom Peacock*

Date: 1-18-95

**VI. RWQCB NOTIFICATION**

Date Submitted to RB: *[Signature]*

RB Response: *Approved*

RWQCB Staff Name: K. Graves

Title: AWRCE

Date: 2/7/95

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

**TABLE TWO**  
 Summary of Chemical Analysis of STOCKPILE SOIL Samples  
 STLC Lead, and RCI

Sample I.D.	Reactivity	Corrosivity	Ignitability	STLC Lead (ppm)
----- STKP*	----- NO	----- pH 8.3	----- NO	----- 0.1
EPA METHOD	66261.23	66261.22	66261.21	1310/ 7420

ppm = parts per million  
 \* = Composite sample

### 5.0 SOIL BORING ASE-1 AND SAMPLE COLLECTION

ASE obtained the required Alameda County Flood Control and Water Conservation District (Zone 7) well construction permit prior to drilling (Appendix C). On July 22, 1993, Soils Exploration Services of Vacaville, California drilled soil boring ASE-1 to 26.5 feet bgs using a CME-55 drill rig equipped with 8-inch diameter hollow-stem augers. Groundwater monitoring well MW-1 was subsequently constructed in the boring (Figure 3). The drilling was directed by ASE project geologist Robert E. Kitay. The boring was located approximately 10-feet southwest of the former tank pit in the assumed downgradient direction.

The gradient and flow direction at the site was determined by reviewing the files of neighboring properties that have groundwater monitoring wells constructed within the same water-bearing zone. The files of the General Electric Plant located at 5441 East 14th Street north of the Armor site were reviewed at the California EPA Department of Toxic Substance Control office in early July 1993. ASE also contacted Mr. Ivan Pouschine of Brown and Caldwell (G.E.'s consultant) by phone regarding the area's groundwater flow direction. Mr. Pouschine stated that on the G.E. property, groundwater flows toward the southwest near the Armor/G.E. property line. Mr. Pouschine has data on file that will support this; however, he was unable to release this information to ASE because the G.E. representative would not allow him to release information in his files that has not yet been made public. ASE is confident that the southwest flow direction is accurate based on the data we have gathered.