



Environmental Management & Engineering, Inc.

437 Industrial Lane Post Office Box 19866 Birmingham, AL 35219

March 21, 1997

(205) 940-7700 Fax (205) 940-7701

VIA AIRBORNE EXPRESS

Ms. Susan L. Hugo
Senior Hazardous Materials Specialist
Alameda County Health Care Services Agency
Department of Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502-6577

RE: Grove Valve and Regulator Company, Emeryville, CA
Groundwater Monitoring Program
DRS-95-E942

ENVIRONMENTAL
PROTECTION
97 MAR 24 AM 10:01

Dear Ms. Hugo:

Thank you for your time and assistance during our telephone conversation of March 19, 1997 regarding our request on behalf of Grove Valve and Regulator Company to reduce the sampling frequency from a quarterly to annual basis for a period of two years, followed by an assessment of the need for continued sampling. As we discussed, EME conducted an unrelated investigation of two machine sumps in the main shop area of the plant at the request of Mr. Brian Oliva of your department in December of 1996. Although this investigation was targeted on possible Total Oil and Grease contamination, one soil sample from the impacted soil was analyzed for Volatile Organic Compounds (VOC's). The laboratory analysis revealed no detectable concentrations of VOC's. This provides additional evidence indicating that the Trichloroethane (TCE) which has been detected in the groundwater is a migrating plume from an off-site service.

As you requested, the following documents regarding the sump investigations are submitted in support of our pending request for a reduction of the required groundwater monitoring frequency from a quarterly to annual basis.

- EME correspondence to the Alameda County Department of Environmental Health (ACDEH) dated July 2, 1996 entitled "Sump Analytical Report". This letter report summarizes the initial soil sampling associated with the sump investigation.
- EME report entitled "Updated Facility Closure Activity" dated December 27, 1996. This report summarizes the follow-up water sampling activities in the sump area as requested by the ACDEH.
- EME correspondence to the ACDEH dated February 13, 1997. This letter documents the telephone conversation of January 29, 1997 in which Mr. Brian Oliva (ACDEH) relays the decision that no further action is required in relation to the sump area.

Specialist in Environmental, Engineering, and Related Business Services

Environmental Management & Engineering, Inc.

Ms. Susan L. Hugo
Alameda County Health Care Services Agency
March 21, 1997
Page 2

We hope this information proves helpful to your assessment of our request. Please let us know if you have any questions or require further information. We very much appreciate your assistance with this project.

Thank you for your kind consideration.

Sincerely,



Kevin Holloran
Manager, Technical Services

KH/jjf

cc: Mr. Lee DeNooyer (w/o attachments)
Mr. Bill Tallent (w/o attachments)

ENVIRONMENTAL
PROTECTION
91 MAR 24 AM 10:01

**ATTACHMENT 1 -- EME Correspondence to
Alameda County Department
of Environmental Health
dated July 2, 1996**



Environmental Management & Engineering, Inc

437 Industrial Lane Post Office Box 19866 Birmingham, AL 35219

(205) 940-7700 Fax (205) 940-7701

July 2, 1996

Mr. Brian Oliva
Senior Hazardous Materials Specialist
Division of Environmental Protection
Department of Environmental Health
1131 Harbor Bay Parkway, 2nd Floor
Alameda CA 94502

RE: Grove Valve and Regulator Company, Emeryville, California
Sump Analytical Report
DRS-95-E942

Dear Mr. Oliva:

As you are aware, on May 21, 1996, Environmental Management & Engineering, Inc. (EME) collected soil samples associated with two (2) machine sumps located at the Grove Valve and Regulator Company facility in Emeryville, California.

The machine sumps in question were constructed of steel and were an integral part of shallow one-piece pans on which machine tools were located. The sump portion of the pan was approximately 18 x 18 x 12 inches in size. When the pans were installed, a hole was cut through the concrete pad to allow the sump to be recessed into the floor. When the pan/sump was removed, free product (primarily cutting oils) was noted on the underlying soils in one of the sumps. This free product was removed and included with other waste oil to await subsequent proper disposal. The pan/sump has been inspected and water tested and determined to be sound with no apparent leaks, therefore, it appears that the source of the contamination was incidental spillage and overflowing of the machine, resulting in overflow of the pan in the area of the sump.

Sampling was conducted using a stainless steel hand auger. At the first machine sump, a hand auger boring (Boring M-1) was advanced to a depth of 10 feet, at which depth groundwater was encountered. Soil samples were collected at depths of 4, 6, 8 and 10 feet. This was the boring observed by you during your visit. In addition, soil samples at the second machine sump location (Boring M-2) were collected from the underlying fill material at depths of 2 and 4 feet. A profile of the boring M-1 revealed a layer of stained silty gravel underlain by heavy clay with no apparent visible staining or odor. Boring M-2 was terminated in the silty gravel due to the fact that no visible staining was apparent. The samples were submitted to the American Environmental Network (AEN) laboratory located in Pleasant Hill, California and per your request analyzed for Total Oil and Grease (TOG)

Houston Office:

5715 Northwest Central Drive Suite 104 Houston, TX 77092

(713) 939-7028 Fax: (713) 939-7029

Specialist in Environmental, Engineering, and Related Business Services

Mr. Brian Oliva
Department of Environmental Health
July 2, 1996
Page 2

and Total Petroleum Hydrocarbons as diesel (TPH-D). Also per your request, one sample from below the visibly stained zone in Boring M-1 was analyzed for Volatile Organic Compounds (VOC).

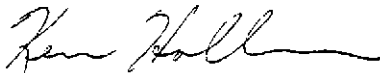
I am pleased to report that the sample results for sample M1-B revealed no detectable concentrations of VOC's, which are, of course, the contaminants of greatest potential concern. The TPH-D and TOG concentrations in the samples from both borings were somewhat elevated, even in the soils which were not visibly stained. This is not surprising in that impact to soil by light cutting fluids is often difficult to assess by visual/olfactory field screening. A summary of analytical results are presented in Table 1. A copy of the laboratory analytical report is included as Attachment 1.

As you are aware, Grove is currently conducting quarterly groundwater monitoring at the facility. Oil and grease, which is included as a parameter in this monitoring, has never been detected in facility monitoring wells, two of which are located downgradient from the subject machine sumps. This, combined with the point source nature of the subject sumps, appears to indicate that the area of impact is localized and that groundwater has not been impacted. Also, the fact that the impacted area is covered by the building slab means that there are no apparent human exposure pathways and thus no apparent threat to human health or the environment. Due to the fact that the sumps were located immediately adjacent to main building support columns, excavation of even minimal amounts of soil from the areas would compromise the buildings integrity. For these reasons, Grove proposes that the impacted soils be left in place. Oil and grease will continue to be included as a parameter in the quarterly groundwater monitoring program in order to assess any future impact.

We appreciate your assistance with the above project. If you have any questions or need additional information, please call me at (205) 940-7700.

Thank you for your kind consideration.

Sincerely,



Kevin Holloran
Environmental Specialist

KH/jjf

Enclosures

cc: Mr. Lee DeNooyer
Mr. Bill Tallent

TABLE 1
SUMMARY OF ANALYTICAL RESULTS - SOIL
RESULTS IN PPM

Sample Numbers	Depth (Ft)	TPH as Diesel	Oil & Grease	VOC
M1 A	4	NA	NA	NA
M1 B	6	4	50	ND
M1 C	8	96	680	NA
M1 D	10	1000	1700	NA
M2 A	2	720	2600	NA
M2 B	4	1000	7300	NA

ND - Non Detect

NA - Not Analysed

VOC - Volatile Organic Compounds

M1 - Machine # 1

M2 - Machine # 2

ATTACHMENT 1 – Laboratory Analytical Results

American Environmental Network

Certificate of Analysis

DOHS Certification: 1172

AIHA Accreditation: 11134

PAGE 1

ENV. MANGT & ENGINEERING INC.
PO BOX 19866
BIRMINGHAM, AL 35219

ATTN: KEVIN HOLLORAN
CLIENT PROJ. ID: DRS-95-E942
CLIENT PROJ. NAME: GROVE VALVE

REPORT DATE: 06/20/96

DATE(S) SAMPLED: 05/21/96

DATE RECEIVED: 05/21/96

AEN WORK ORDER: 9605282

PROJECT SUMMARY:

On May 21, 1996, this laboratory received 6 soil sample(s).

Client requested 5 sample(s) be analyzed for chemical parameters; one sample was placed on hold. Portion for EPA 8010 was subcontracted to a DOHS certified laboratory; subcontract report will follow at a later date. Results of analysis are summarized on the following page(s). Please see quality control report for a summary of QC data pertaining to this project.

Samples will be stored for 30 days after completion of analysis, then disposed of in accordance with State and Federal regulations. Samples may be archived by prior arrangement.

If you have any questions, please contact Client Services at (510) 930-9090.


Larry Klein
Laboratory Director

ENV. MANAGEMENT & ENGINEERING

SAMPLE ID: M1B
 AEN LAB NO: 9605282-02
 AEN WORK ORDER: 9605282
 CLIENT PROJ. ID: DRS-95-E942

DATE SAMPLED: 05/21/96
 DATE RECEIVED: 05/21/96
 REPORT DATE: 06/20/96

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
#Extraction for TPH	EPA 3550	-		Extrn Date	05/23/96
TPH as Diesel	GC-FID	4 *	1 mg/kg		05/29/96
#Soil Extrn for O&G (GR)		-		Extrn Date	05/29/96
Oil & Grease (Gravimetric)	SM 5520E	50 *	30 mg/kg		05/29/96

ND = Not detected at or above the reporting limit
 * = Value at or above reporting limit

ENV. MANAGEMENT & ENGINEERING

SAMPLE ID: M1C
 AEN LAB NO: 9605282-03
 AEN WORK ORDER: 9605282
 CLIENT PROJ. ID: DRS-95-E942

DATE SAMPLED: 05/21/96
 DATE RECEIVED: 05/21/96
 REPORT DATE: 06/20/96

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
#Extraction for TPH	EPA 3550	-		Extrn Date	05/23/96
TPH as Diesel	GC-FID	96 *	1 mg/kg		05/29/96
#Soil Extrn for O&G (GR)		-		Extrn Date	05/29/96
Oil & Grease (Gravimetric)	SM 5520E	680 *	30 mg/kg		05/29/96

ND = Not detected at or above the reporting limit
 * = Value at or above reporting limit

ENV. MANAGEMENT & ENGINEERING

SAMPLE ID: MID
 AEN LAB NO: 9605282-04
 AEN WORK ORDER: 9605282
 CLIENT PROJ. ID: DRS-95-E942

DATE SAMPLED: 05/21/96
 DATE RECEIVED: 05/21/96
 REPORT DATE: 06/20/96

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
#Extraction for TPH	EPA 3550	-		Extrn Date	06/03/96
TPH as Diesel	GC-FID	1,000 *	20 mg/kg		06/05/96
#Soil Extrn for O&G (GR)		-		Extrn Date	06/13/96
Oil & Grease (Gravimetric)	SM 5520E	1,700 *	30 mg/kg		06/13/96

Reporting limit elevated for diesel due to high levels
of target compounds. Sample run at dilution.

ND = Not detected at or above the reporting limit
 * = Value at or above reporting limit

ENV. MANAGEMENT & ENGINEERING

SAMPLE ID: M2A
 AEN LAB NO: 9605282-05
 AEN WORK ORDER: 9605282
 CLIENT PROJ. ID: DRS-95-E942

DATE SAMPLED: 05/21/96
 DATE RECEIVED: 05/21/96
 REPORT DATE: 06/20/96

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
#Extraction for TPH	EPA 3550	-		Extrn Date	05/28/96
TPH as Diesel	GC-FID	720 *	1 mg/kg		05/29/96
#Soil Extrn for O&G (GR)		-		Extrn Date	05/29/96
Oil & Grease (Gravimetric)	SM 5520E	2.600 *	30 mg/kg		05/29/96

ND = Not detected at or above the reporting limit

* = Value at or above reporting limit

ENV. MANAGEMENT & ENGINEERING

SAMPLE ID: M2B
 AEN LAB NO: 9605282-06
 AEN WORK ORDER: 9605282
 CLIENT PROJ. ID: DRS-95-E942

DATE SAMPLED: 05/21/96
 DATE RECEIVED: 05/21/96
 REPORT DATE: 06/20/96

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
#Extraction for TPH	EPA 3550	-		Extrn Date	06/03/96
TPH as Diesel	GC-FID	1.000 *	50 mg/kg		06/05/96
#Soil Extrn for O&G (GR)		-		Extrn Date	06/13/96
Oil & Grease (Gravimetric)	SM 5520E	7.300 *	30 mg/kg		06/13/96

Reporting limits elevated due to high levels of target compounds. Sample run at dilution.

ND = Not detected at or above the reporting limit

* = Value at or above reporting limit

McCAMPBELL ANALYTICAL INC.

110 2nd Avenue South, #D7, Pacheco, CA 94553
 Tele: 510-798-1620 Fax: 510-798-1622

American Environmental Network 3440 Vincent Road Pleasant Hill, CA 94523	Client Project ID: # 9605282	Date Sampled: 05/21/96
		Date Received: 05/21/96
	Client Contact: Bill Svoboda	Date Extracted: 05/22/96
	Client P.O.: # 9605282	Date Analyzed: 05/22/96

Volatile Halocarbons

EPA method 601 or 8010

Lab ID	65330		
Client ID	M1 B		
Matrix	S		
Compound	Concentration		
Bromodichloromethane	ND		
Bromoform ^(b)	ND		
Bromomethane	ND		
Carbon Tetrachloride ^(c)	ND		
Chlorobenzene	ND		
Chloroethane	ND		
2-Chloroethyl Vinyl Ether ^(d)	ND		
Chloroform ^(e)	ND		
Chloromethane	ND		
Dibromochloromethane	ND		
1,2-Dichlorobenzene	ND		
1,3-Dichlorobenzene	ND		
1,4-Dichlorobenzene	ND		
Dichlorodifluoromethane	ND		
1,1-Dichloroethane	ND		
1,2-Dichloroethane	ND		
1,1-Dichloroethene	ND		
cis 1,2-Dichloroethene	ND		
trans 1,2-Dichloroethene	ND		
1,2-Dichloropropane	ND		
cis 1,3-Dichloropropene	ND		
trans 1,3-Dichloropropene	ND		
Methylene Chloride ^(f)	ND		
1,1,2,2-Tetrachloroethane	ND		
Tetrachloroethene	ND		
1,1,1-Trichloroethane	ND		
1,1,2-Trichloroethane	ND		
Trichloroethene	ND		
Trichlorofluoromethane	ND		
Vinyl Chloride ^(g)	ND		
% Recovery Surrogate	95		
Comments			

* water and vapor samples are reported in ug/L, soil samples in ug/kg and all TCLP extracts in ug/L.

Reporting limit unless otherwise stated: water/TCLP extracts, ND < 0.5ug/L; soil, ND < 5ug/kg

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis

(b) tribromomethane; (c) tetrachloromethane; (d) (2-chloroethoxy) ethene; (e) trichloromethane; (f) dichloromethane; (g) chloroethene;

(h) a lighter than water immiscible sheen is present; (i) liquid sample that contains greater than ~ 5 vol. % sediment.

DHS Certification No. 1644

EH

Edward Hamilton, Lab Director

AEN (CALIFORNIA)
QUALITY CONTROL REPORT

AEN JOB NUMBER: 9605282

CLIENT PROJECT ID: DRS-95-E942

Quality Control and Project Summary

All laboratory quality control parameters were found to be within established limits.

Definitions

Laboratory Control Sample (LCS)/Method Spike(s): Control samples of known composition. LCS and Method Spike data are used to validate batch analytical results.

Matrix Spike(s): Aliquot of a sample (aqueous or solid) with added quantities of specific compounds and subjected to the entire analytical procedure. Matrix spike and matrix spike duplicate QC data are advisory.

Method Blank: An analytical control consisting of all reagents, internal standards, and surrogate standards carried through the entire analytical process. Used to monitor laboratory background and reagent contamination.

Not Detected (ND): Not detected at or above the reporting limit.

Relative Percent Difference (RPD): An indication of method precision based on duplicate analysis.

Reporting Limit (RL): The lowest concentration routinely determined during laboratory operations. The RL is generally 1 to 10 times the Method Detection Limit (MDL). Reporting limits are matrix, method, and analyte dependent and take into account any dilutions performed as part of the analysis.

Surrogates: Organic compounds which are similar to analytes of interest in chemical behavior, but are not found in environmental samples. Surrogates are added to all blanks, calibration and check standards, samples, and spiked samples. Surrogate recovery is monitored as an indication of acceptable sample preparation and instrumental performance.

D: Surrogates diluted out.

#: Indicates result outside of established laboratory QC limits.

QUALITY CONTROL DATA

METHOD: EPA 3550 GCFID

AEN JOB NO: 9605282
 DATE EXTRACTED: 05/23-06/03/96
 INSTRUMENT: C
 MATRIX: SOIL

Surrogate Standard Recovery Summary

Date Analyzed	Client Id.	Lab Id.	Percent Recovery n-Pentacosane
05/29/96	M1B	02	99
05/29/96	M1C	03	86
06/05/96	M1D	04	D
05/29/96	M2A	05	D
06/05/96	M2B	06	D
QC Limits:			59-118

D: Surrogates diluted out.

DATE EXTRACTED: 05/23/96
 DATE ANALYZED: 05/28/96
 SAMPLE SPIKED: 9605273-01
 INSTRUMENT: C

Matrix Spike Recovery Summary

Analyte	Spike Added (mg/kg)	Average Percent Recovery	RPD	QC Limits	
				Percent Recovery	RPD
Diesel	40.0	61	10	50-115	20

Daily method blanks for all associated analytical runs showed no contamination at or above the reporting limit.

QUALITY CONTROL DATA

METHOD: SM 5520

AEN JOB NO: 9605282
 DATE EXTRACTED: 05/29/96
 DATE ANALYZED: 05/29/96
 SAMPLE SPIKED: LCS
 INSTRUMENT: GRAVIMETRIC
 MATRIX: SOIL

Laboratory Control Sample

Analyte	Spike Added (mg/kg)	Average Percent Recovery	QC Limits
			Percent Recovery
Oil	100	93	70-105

Daily method blanks for all associated analytical runs showed no contamination at or above the reporting limit.

*** END OF REPORT ***

QC REPORT FOR EPA 8010/8020/EDB

Date: 05/22/96

Matrix: Soil

Analyte	Concentration (ug/kg)				% Recovery		
	Sample (#63468)	MS	MSD	Amount Spiked	MS	MSD	RPD
1,1-DCE	0	101	101	100	101	101	0.0
Trichloroethene	0	102	102	100	102	102	0.0
EDB	0	75	75	100	75	75	0.0
Chlorobenzene	0	94	96	100	94	96	2.1
Benzene	0	104	104	100	104	104	0.0
Toluene	0	104	104	100	104	104	0.0
Chlorobz (PID)	0	105	105	100	105	105	0.0

$$\% \text{ Rec.} = (\text{MS} - \text{Sample}) / \text{amount spiked} \times 100$$

$$\text{RPD} = (\text{MS} - \text{MSD}) / (\text{MS} + \text{MSD}) \times 2 \times 100$$

Environmental Management & Engineering, Inc.

Birmingham Office: (205) 910-7700 (205) 910-7701 Fax
 Houston Office: (713) 939-7028 (205) 939-7029 Fax

9605282

CHAIN OF CUSTODY RECORD/ANALYSIS REQUEST

Client <i>Grove Valve</i>		Project <i>DRS-95-E942</i>		Date Delivered		Analyses Requested			Send Report to <i>KEVIN HOLLORAN ENV. MANAGEMENT & ENGINEERING, INC PO BOX 19866 BIRMINGHAM, AL 35219 (205) 940-7700</i>	
Samplers, (Signature) <i>Kevin Holloran</i>		<i>[Signature]</i>				TPH-D <i>355064F10</i> VOC <i>8010</i> TOTAL OILG <i>5520E</i>			Please Phone/FAX RESULTS TO (205) 940-7701	
Sample #	Date Sampled	Time Sampled	Sample Description	LAB NO.	No. of Containers					Remarks
<i>M1A</i>	<i>5/21/96</i>	<i>8:15A</i>	<i>Soil</i>	<i>O1A</i>	<i>1</i>					<i>Hold</i>
<i>M1B</i>	<i>"</i>	<i>8:25A</i>	<i>"</i>	<i>O2A</i>	<i>1</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>		
<i>M1C</i>	<i>"</i>	<i>8:40A</i>	<i>"</i>	<i>O3A</i>	<i>1</i>	<i>✓</i>		<i>✓</i>		
<i>M1D</i>	<i>"</i>	<i>7:30A</i>	<i>"</i>	<i>O4A</i>	<i>1</i>					<i>Hold</i>
<i>M2A</i>	<i>"</i>	<i>10:15A</i>	<i>"</i>	<i>O5A</i>	<i>1</i>	<i>✓</i>		<i>✓</i>		
<i>M2B</i>	<i>"</i>	<i>10:30A</i>	<i>"</i>	<i>O6A</i>	<i>1</i>					<i>Hold</i>
						<i>6-3-96 additional analysis requested - see Change Order R.O. R. Byers</i>				
Relinquished by (Signature) <i>[Signature]</i>		Date Time <i>5/21/96 12:00</i>		Received by (Signature) <i>[Signature]</i>		Relinquished by (Signature) <i>[Signature]</i>		Date Time <i>5-21 12:30</i>		Received by (Signature) <i>[Signature]</i>
Relinquished by (Signature)		Date Time		Received by (Signature)		Relinquished by (Signature)		Date Time		Received by (Signature)
Relinquished by (Signature)		Date Time		Received by Laboratory by (Signature)		Indicate Special Hazards Here				

Reporting Information:

1. Client: AEN
 Address: _____
 Contact: Bill Sirobala
 Alt. Contact: Robin Byars

American Environmental Network

3440 Vincent Road, Pleasant Hill, CA 94523

Phone (510) 930-9090

FAX (510) 930-0256

AEN

Page 1 of 1

REQUEST FOR ANALYSIS / CHAIN OF CUSTODY

Lab Job Number: 6444AENX611

Lab Destination: _____

Date Samples Shipped: _____

Lab Contact: _____

Date Results Required: 5/31/96

Date Report Required: _____

Client Phone No.: _____

Client FAX No.: _____

Address Report To:

Send Invoice To:

2. _____

3. _____

Send Report To: 1 or 2 (Circle one)

Client P.O. No.: 9605282 Client Project I.D. No.: 9605282

Sample Team Member (s) _____

Lab Number	Client Sample Identification	Air Volume	Date/Time Collected	Sample Type*	Pres.	No. of Cont.	Type of Cont.	ANALYSIS										Comments / Hazards
02A	M1B		5/21/96	Soil		1		<div style="display: flex; justify-content: space-between;"> SOIL MAS ORG METALS OTHER </div>										65330
						ICE/GOOD CONDITION HEAD SPACE ABSENT		PRESERVATIVE APPROPRIATE CONTAINERS										
Relinquished by: (Signature)			DATE	TIME	Received by: (Signature)			DATE	TIME									
<u>Bill Sirobala</u>			<u>5/21/96</u>	<u>15:45</u>	<u>Michael E. McNeill</u>			<u>5-21-96</u>	<u>15:45</u>									
Relinquished by: (Signature)			DATE	TIME	Received by: (Signature)			DATE	TIME									
<u>Michael E. McNeill</u>			<u>5-21-96</u>	<u>1600</u>	<u>Nidia Traca</u>			<u>MAY 5-21-96</u>	<u>16:00</u>									
Relinquished by: (Signature)			DATE	TIME	Received by: (Signature)			DATE	TIME									
Method of Shipment						Lab Comments												

*Sample type (Specify): 1) 37mm 0.8 μm MCEF 2) 25mm 0.8 μm MCEF 3) 25mm 0.4 μm polycarb. filter
 4) PVC filter, diam. _____ pore size _____ 5) Charcoal tube 6) Silica gel tube 7) Water 8) Soil 9) Bulk Sample
 10) Other _____ 11) Other _____

ATTACHMENT 2 – EME Report entitled
"Updated Facility Closure
Activity" dated December 27,
1996

**ATTACHMENT 3 -- EME Correspondence to
Alameda County Department
of Environmental Health
dated February 13, 1997**



Environmental Management & Engineering, Inc.

437 Industrial Lane Post Office Box 19866 Birmingham, AL 35219

(205) 940-7700 Fax (205) 940-7701

February 13, 1997

Mr. Brian Oliva
Senior Hazardous Materials Specialist
Alameda County Health Care Services
Department of Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502

RE: Grove Valve and Regulator Company, Emeryville, California
DRS-95-E942

Dear Mr. Oliva:

This letter is to confirm our telephone conversation of January 29, 1997, concerning the report entitled "Updated Facility Closure Activity" dated December 27, 1996. This report discussed the groundwater sampling conducted in the machine sump area at the referenced facility in December 1996. As you know the analytical results from the groundwater sampled revealed no detectable concentration of Total Petroleum Hydrocarbon (TPH).

It is my understanding from our conversation that no further action will be required in relation to the machine sump area.

Should this be different from what you and I discussed, please contact me at (205) 940-7700. As always, we appreciate your assistance with this project.

Sincerely,

Dennis A Lewis
Environmental Engineer

DL/jjf

cc: Mr. Lee DeNooyer
Mr. Bill Tallent