



September 12, 1990

BEI Job No. 882889

90 AUG -4 PM 12:49

Mr. Larry Seto
Alameda County Health Care Services Agency
Division of Hazardous Materials
Department of Environmental Health
80 Swan Way, Room 200
Oakland, CA 94621

Subject: Groundwater Sampling
GI Trucking Company
1750 Adams Avenue
San Leandro, California

Dear Mr. Seto:

This letter and its enclosures constitute the fourth quarterly groundwater sampling report for the second year at the subject facility.

The five existing monitoring wells (Figure 1) were sampled on August 27, 1990, in accordance with the enclosed sampling protocol. Well MW-1 contained no measureable floating product, but a strong diesel odor and an oil sheen were noted. A water sample was not collected from this well for analysis. A representative sample was collected from each of the other four wells using a Teflon bailer and placed in one-liter amber bottles provided by the laboratory. The samples were placed in a cooler with blue ice, delivered to NET Pacific, Inc., a California-certified laboratory, and analyzed for Total Petroleum Hydrocarbons (TPH) as diesel using the California Department of Health Services method (modified EPA Method 8015).

As indicated in the attached analytical report, TPH as diesel was detected in the water sample from well MW-3 at a concentration of 0.41 milligrams per liter (mg/l) or parts per million. TPH as diesel was not detected in the water samples from wells MW-2, MW-4 and MW-5. The method detection limit was 0.05 mg/l.

Blymyer Engineers will continue to sample the existing monitoring wells at this site on a quarterly basis for another year. If you have any questions, please contact me at (415) 521-3773.

Mr. Larry Seto
Alameda County Health Care Services Agency
September 12, 1990
Page Two

Cordially,

BLYMYER ENGINEERS, INC.

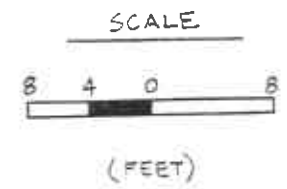
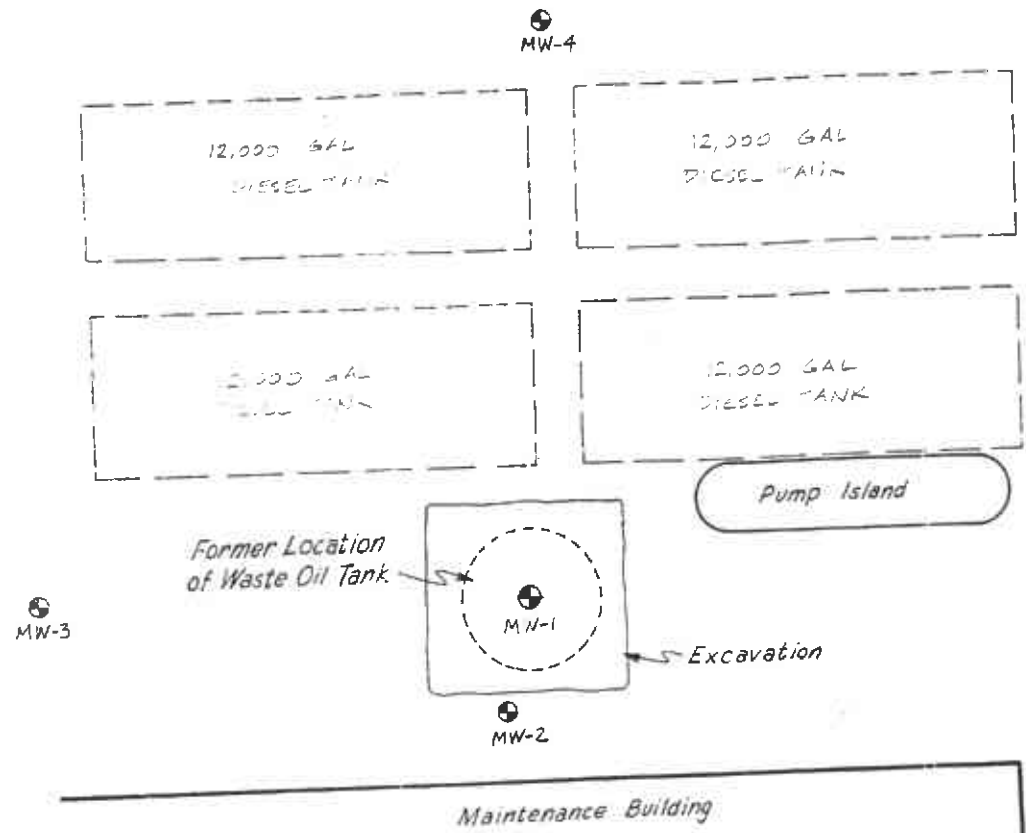


Michael S. Lewis
Manager, UST Services

Enclosures:

Figure 1 - Site Plan
Groundwater Sampling Protocol
Groundwater Monitoring Data form dated 8/27/90
Purge Data form dated 8/27/90
Laboratory Analytical Report dated 9/5/90
Chain of Custody Record

cc: Mr. Lester Feldman, RWQCB
Mr. Mike Bakaldin, San Leandro Fire Dept.
Mr. Curtis Carr, Carolina Freight Carriers Corp.
Mr. Don LaMere, GI Trucking Co.
Mr. Tom McGuire, GI Trucking Co.



GI TRUCKING
TED ADAMS / E.
SAN JOAQUIN / CA
Figure No. 1 - SITE PLAN

Scale: 1" = 8'-0"



1.0 GROUNDWATER SAMPLING PROTOCOL

1.1 Decontamination

Prior to commencing sampling or purging, all bailers, pumps, tubing, cables and lines will be decontaminated. Decontamination will include trisodium phosphate wash, tap water rinse and deionized water final rinse. A bailer blank will be taken after initial decontamination is performed. The bailer blank is obtained by filling the bailer with deionized water and transferring the water into appropriate containers. The sample is to be labelled "Bailer Blank" and "Hold" is to be indicated in the analysis sections of the label and the Chain of Custody Record.

All equipment will be thoroughly decontaminated after sampling each well.

1.2 Gauging

Each well will be gauged prior to purging. An oil/water interface probe will be used to determine the depth to water, depth to product and total well depth. The data collected will be recorded on the Groundwater Monitoring Data form. The interface probe and tape will be decontaminated prior to gauging each well.

1.3 Purging

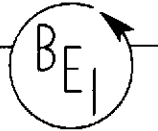
The well will be bailed or pumped to remove at least three well casing volumes prior to sampling or until the pH, temperature and conductivity have stabilized. "Stabilized" is defined as three consecutive readings within 15 percent of one another. Temperature, pH and conductivity will be measured with field instruments after each well casing volume is removed. The data will be recorded on the Purge Data form. A casing volume will be based on actual measurements made on the day of sampling.

If the well is purged dry before three well casing volumes are removed, the sample will be taken when the water level in the well recovers to 80 percent of its initial water level. If the length of time for the well to recover 80 percent of its initial water level exceeds two hours, the sample will be obtained as soon as sufficient volume is available.

All water purged from the well will be placed in labelled, 55 gallon closed-top drums.

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1.4 Sampling

Following the removal of the required volume from the well, the sample will be obtained with a clean, teflon or stainless steel bailer. All samples will be logged on the Chain of Custody Record form. Samples will be placed in appropriate containers provided by the laboratory. Labels specifying project name, project number, date, sample identification, sampler, and analytical parameters will be affixed to each sample container. The samples will be placed in a cooler with dry or blue ice for delivery to the analytical laboratory.

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GROUNDWATER MONITORING DATA

Project Name GI Trucking - San Leandro, CA Project No. 88288
Date 8/27/90 Field Technician ML/RO Sheet 1 of 1
Weather Sunny Temperature 80F Wind 5K West

WELL ID	TOC ELEV.	DTW	DTP	PT	PT x .8	ADJ. DTW	WATER ELEV.
MW-1	-	6.27'	-	-	-	-	-
MW-2	-	6.70'	-	-	-	-	-
MW-3	-	6.67'	-	-	-	-	-
MW-4	-	5.66'	-	-	-	-	-
MW-5	-	6.17'	-	-	-	-	-

TOC = TOP-OF-CASING
DTW = DEPTH TO WATER
DTP = DEPTH TO PRODUCT
PT = PRODUCT THICKNESS

COMMENTS:

Water is silty, no odor.

Well volume = 2.7 to 2.9 gallons



PURGE DATA

Project Name GI Trucking - San Leandro, CA Project No. 88288

Date 8/27/90 Field Technician ML/RO Sheet 1 of 2

<u>WELL ID</u>	<u>WELL VOLUME NO.</u>	<u>pH</u>	<u>TEMPERATURE (F)</u>	<u>CONDUCTIVITY (uS/cm)</u>
<u>MW-2</u>	<u>Initial</u>	<u>7.40</u>	<u>79.4</u>	<u>847</u>
	<u>1</u>	<u>7.33</u>	<u>75.4</u>	<u>799</u>
	<u>2</u>	<u>7.43</u>	<u>74.0</u>	<u>784</u>
	<u>3</u>	<u>7.37</u>	<u>73.0</u>	<u>803</u>
<u>MW-3</u>	<u>Initial</u>	<u>7.07</u>	<u>79.3</u>	<u>664</u>
	<u>1</u>	<u>7.05</u>	<u>75.6</u>	<u>783</u>
	<u>2</u>	<u>6.99</u>	<u>74.7</u>	<u>823</u>
	<u>3</u>	<u>6.98</u>	<u>73.1</u>	<u>861</u>
<u>MW-4</u>	<u>Initial</u>	<u>7.24</u>	<u>86.1</u>	<u>750</u>
	<u>1</u>	<u>7.12</u>	<u>78.7</u>	<u>765</u>
	<u>2</u>	<u>7.10</u>	<u>77.0</u>	<u>774</u>
	<u>3</u>	<u>7.14</u>	<u>76.5</u>	<u>721</u>
<u>MW-5</u>	<u>Initial</u>	<u>7.47</u>	<u>79.7</u>	<u>784</u>
	<u>1</u>	<u>7.35</u>	<u>77.4</u>	<u>816</u>
	<u>2</u>	<u>7.26</u>	<u>76.6</u>	<u>810</u>
	<u>3</u>	<u>7.33</u>	<u>75.5</u>	<u>968</u>



PURGE DATA

Project Name GI Trucking - San Leandro, CA Project No. 88288

Date 8/27/90 Field Technician ML/RO Sheet 2 of 2

<u>WELL ID</u>	<u>WELL VOLUME NO.</u>	<u>pH</u>	<u>TEMPERATURE (F)</u>	<u>CONDUCTIVITY (uS/cm)</u>
<u>MW-5</u>	<u>4</u>	<u>7.32</u>	<u>76.4</u>	<u>864</u>
	<u>5</u>	<u>7.29</u>	<u>75.4</u>	<u>891</u>



NATIONAL
ENVIRONMENTAL
TESTING, INC.

NET Pacific, Inc.
435 Tesconi Circle
Santa Rosa, CA 95401
Tel: (707) 526-7200
Fax: (707) 526-9623

Michael Lewis
Carolina Freight Carriers
c/o Blymyer Engineers, Inc
1829 Clement Ave.
Alameda, CA 94501

Date: 09-05-90
NET Client Acct No: 619
NET Pacific Log No: 3532
Received: 08-28-90 0800

Client Reference Information

GI Trucking, San Leandro, Project: 88288

Sample analysis in support of the project referenced above has been completed and results are presented on following pages. Please refer to the enclosed "Key to Abbreviations" for definition of terms. Should you have questions regarding procedures or results, please feel welcome to contact Client Services.

Approved by:


Jules Skamarack
Laboratory Manager

Enclosure(s)

Client Acct: 619
Client Name: Carolina Freight Carriers
NET Log No: 3532

Date: 09-05-90
Page: 2

Ref: GI Trucking, San Leandro, Project: 88288

Descriptor, Lab No. and Results

Parameter	Reporting Limit	MW-4	MW-5	Units
		08-27-90 1400	08-27-90 1440	
PETROLEUM HYDROCARBONS EXTRACTABLE (WATER)		--	--	
DILUTION FACTOR *		1	1	
DATE EXTRACTED		08-30-90	08-30-90	
DATE ANALYZED		08-31-90	08-31-90	
METHOD GC FID/3510 as Diesel	0.05	ND	ND	mg/L

Client Acct: 619
Client Name: Carolina Freight Carriers
NET Log No: 3532

Date: 09-05-90
Page: 3

Ref: GI Trucking, San Leandro, Project: 88288

Descriptor, Lab No. and Results

Parameter	Reporting Limit	MW-2	MW-3	Units
		08-27-90 1515	08-27-90 1545	
PETROLEUM HYDROCARBONS EXTRACTABLE (WATER)		--	--	
DILUTION FACTOR *		1	1	
DATE EXTRACTED		08-30-90	08-30-90	
DATE ANALYZED		08-31-90	08-31-90	
METHOD GC FID/3510 as Diesel	0.05	ND	0.41	mg/L

Client Acct: 619
Client Name: Carolina Freight Carriers
NET Log No: 3532

Date: 09-05-90
Page: 4

Ref: GI Trucking, San Leandro, Project: 88288

QUALITY CONTROL DATA

Parameter	Reporting Limits	Units	Cal Verf Stand % Recovery	Blank Data	Spike % Recovery	Duplicate Spike % Recovery	RPD
Diesel	0.05	mg/L	119	ND	87	86	1.2

KEY TO ABBREVIATIONS and METHOD REFERENCES

- < : Less than; When appearing in results column indicates analyte not detected at the value following, which supercedes the listed reporting limit.
- mean : Average; sum of measurements divided by number of measurements.
- mg/Kg (ppm) : Concentration in units of milligrams of analyte per kilogram of sample, wet-weight basis (parts per million).
- mg/L : Concentration in units of milligrams of analyte per liter of sample.
- mL/L/hr : Milliliters per liter per hour.
- MPN/100 mL : Most probable number of bacteria per one hundred milliliters of sample.
- N/A : Not applicable.
- NA : Not analyzed.
- ND : Not detected; the analyte concentration is less than applicable listed reporting limit.
- NTU : Nephelometric turbidity units.
- RPD : Relative percent difference, $100 \text{ [Value 1 - Value 2]}/\text{mean value}$.
- SNA : Standard not available.
- ug/Kg (ppb) : Concentration in units of micrograms of analyte per kilogram of sample, wet-weight basis (parts per billion).
- ug/L : Concentration in units of micrograms of analyte per liter of sample.
- urnhos/cm : Micronhos per centimeter.

Method References

Methods 601 through 625: see "Guidelines Establishing Test Procedures for the Analysis of Pollutants" U.S. EPA, 40 CFR, Part 136, rev. 1988.

Methods 1000 through 9999: see "Test Methods for Evaluating Solid Waste", U.S. EPA SW-846, 3rd edition, 1986.

- * Reporting Limits are a function of the dilution factor for any given sample. To obtain the actual reporting limits for this sample, multiply the stated reporting limits by the dilution factor.

BEI Field Services

1829 Clement Avenue

Alameda, CA 94501

CHAIN OF CUSTODY RECORD

3532

PROJ NO. 88238		PROJECT NAME GI Trucking - San Leandro, CA			NO OF CON-TAINERS	TPH as gasoline + BTXE	TPH as diesel	Oil & Grease (SM503E)	VOC (EPA 624/8240)	Semi-VOC (EPA 625/8270)	HOLD	REMARKS
SAMPLERS (Signature) <i>Michael S. L.</i>												
DATE	TIME	COMP.	GRAB	SAMPLE LOCATION								
8-27-90	1:30P		X	Bailer Blank	2-l						X	
8-27-90	2:00P		X	MW-4	2-l	X						Standard TAT
8-27-90	2:40P		X	MW-5	2-l	X						Standard TAT
8-27-90	3:15P		X	MW-2	2-l	X						Standard TAT
8-27-90	3:45P		X	MW-3	2-l	X						Standard TAT
Relinquished by: (Signature) <i>Michael S. L.</i>		Date/Time 8/27/90 5:00 P		Received by: (Signature) <i>Janice Green</i>			Relinquished by: (Signature) <i>Janice Green</i>		Date/Time 8/27/90 6:30		Received by: (Signature)	
Relinquished by: (Signature)		Date/Time		Received by: (Signature)			Relinquished by: (Signature)		Date/Time		Received by: (Signature)	
Relinquished by: (Signature) <i>(Signature)</i>		Date/Time		Received for Laboratory by: (Signature) <i>Kempel</i>			Date/Time 8/28/90 0800		Remarks Bill to: Carolina Freight Carriers c/o Blymyer Engineers, Inc.			

CCR/REV 012-89 * CUSTODY SEAL APPLIED 8/27/90 6:30p custody seal what 9-8/90