

BLYMYER

ENGINEERS, INC.



April 5, 1990

BEI Job No. 88288

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 second quarterly groundwater sampling report for the second year at the subject facility.

The five existing monitoring wells (Figure 1) were sampled on February 23, 1990, in accordance with the enclosed sampling protocol. Well MW-1 contained no measurable free product, but a strong diesel odor and an oil sheen on the water were noted. A water sample was not obtained from this well. 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.

As indicated in the attached analytical report, TPH as diesel was detected in the water sample from well MW-3 at a concentration of 0.34 mg/l or parts per million. TPH as diesel was not detected in the water samples from the other three wells. The method detection limit was 0.05 mg/l.

Because all wells had shown non-detectable levels of TPH as diesel in the previous five quarterly samplings and because the dissolved hydrocarbons detected were in the first well sampled (MW-3), the bailer blank was also analyzed for TPH as diesel to verify that the sampling equipment was not contaminated prior to coming in contact with water from the first well. As indicated in the attached analytical results, TPH as diesel was not detected in the bailer blank. The method detection limit was 0.05 mg/l.

Mr. Larry Seto
Alameda County Health Care Services Agency
April 5, 1990
Page Two

BEI will continue the quarterly monitoring of these wells. If you have any questions, please contact me at (415) 521-3773.

Cordially,

BLYMYER ENGINEERS, INC.

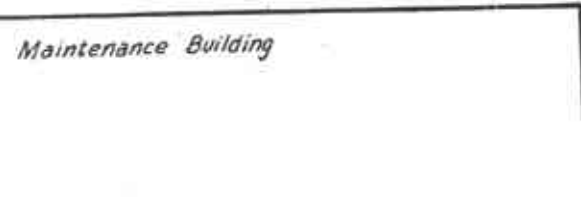
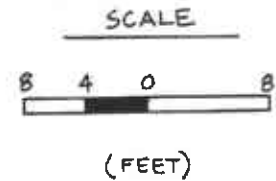
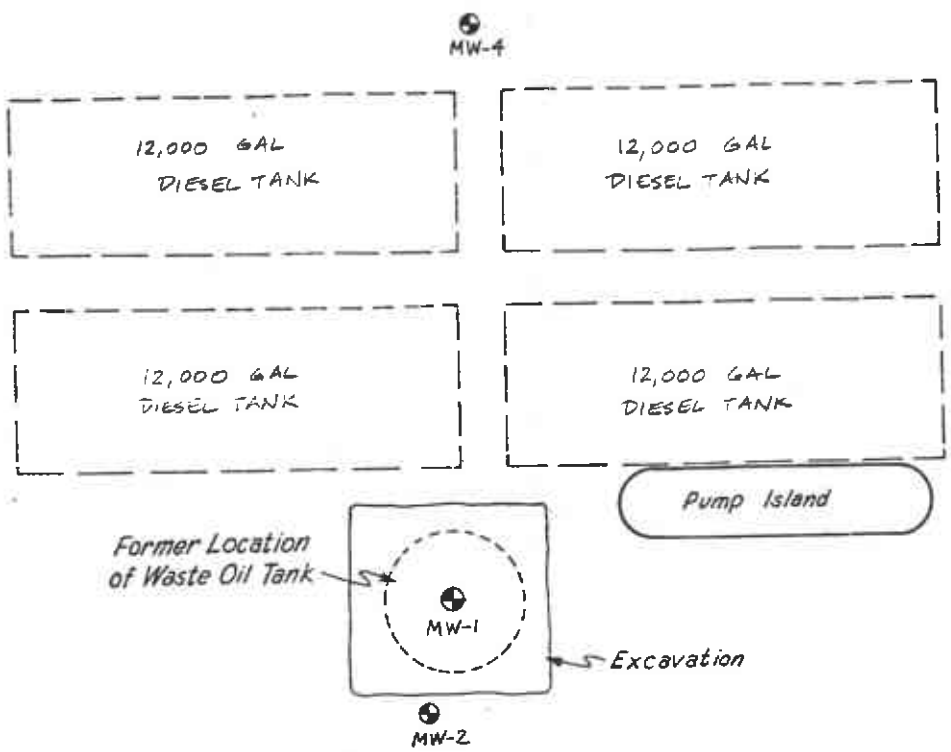


Michael S. Lewis
Environmental Specialist

Enclosures:

Figure 1 - Site Plan
Groundwater Sampling Protocol
Groundwater Monitoring Data form dated 2/23/90
Purge Data form dated 2/23/90
Laboratory Analytical Report dated 3/12/90
Laboratory Analytical Report dated 3/30/90
Chain of Custody Record

cc: Mr. Lester Feldman, Regional Water Quality Control Board
San Francisco Bay Region
Mr. Curtis Carr, Carolina Freight Carriers Corp.
Mr. Don LaMere, GI Trucking Co.
Mr. Tom McGuire, GI Trucking Co.



GI TRUCKING
1750 ADAMS AVE.
SAN LEANDRO, 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.

BEI

FIELD SERVICES



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.



GROUNDWATER MONITORING DATA

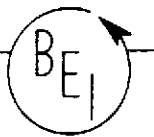
Project Name GI Trucking - San Leandro, CA Project No. 88288
 Date February 23, 1990 Field Technician ML/RO Sheet 1 of 1
 Weather Partly Cloudy Temperature 70 Wind Slight

WELL ID	TOC ELEV.	DTW	DTP	PT	PT x .8	ADJ. DTW	WATER ELEV.
MW-1		5.74'					
MW-2		6.04'					
MW-3		5.83'					
MW-4		4.92'					
MW-5		5.69'					

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

COMMENTS:

MW-1 (12" dia. sump): Oil sheen, petroleum odor.
MW-2 through MW-5: Water is silty, no odor.



PURGE DATA

Project Name GI Trucking - San Leandro Project No. 88288

Date February 23, 1990 Field Technician ML/RO Sheet 1 of 2

<u>WELL ID</u>	<u>WELL VOLUME NO.*</u>	<u>pH</u>	<u>TEMPERATURE (C)</u>	<u>CONDUCTIVITY (umhos)</u>
<u>MW-2</u>	<u>Initial</u>	<u>7.12</u>	<u>17.6</u>	<u>527</u>
	<u>1</u>	<u>7.16</u>	<u>18.3</u>	<u>533</u>
	<u>2</u>	<u>6.93</u>	<u>18.7</u>	<u>516</u>
	<u>3</u>	<u>6.82</u>	<u>18.6</u>	<u>520</u>
<u>MW-3</u>	<u>Initial</u>	<u>6.63</u>	<u>18.4</u>	<u>568</u>
	<u>1</u>	<u>6.65</u>	<u>19.2</u>	<u>561</u>
	<u>2</u>	<u>6.67</u>	<u>19.2</u>	<u>646</u>
	<u>3</u>	<u>6.70</u>	<u>19.4</u>	<u>656</u>
	<u>4</u>	<u>6.88</u>	<u>19.4</u>	<u>686</u>
<u>MW-4</u>	<u>Initial</u>	<u>6.71</u>	<u>18.3</u>	<u>533</u>
	<u>1</u>	<u>6.82</u>	<u>19.5</u>	<u>530</u>
	<u>2</u>	<u>6.86</u>	<u>19.4</u>	<u>551</u>
	<u>3</u>	<u>6.82</u>	<u>19.8</u>	<u>537</u>

* Well Volume = 3 gallons



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
1829 Clement Ave.
Alameda, CA 94501

Date: 03-12-90
NET Client Acct No: 36.75
NET Pacific Log No: 9935
Received: 03-01-90 0700

Client Reference Information

GI Trucking-San Leandro, CA 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:

A handwritten signature in black ink, appearing to read "Jules Skamarack", written over a horizontal line.

Jules Skamarack
Laboratory Manager

Enclosure(s)

Client Acct: 36.75
Client Name: Carolina Freight Carriers
NET Log No: 9935

Date: 03-12-90
Page: 2

Ref: GI Trucking-San Leandro, CA Project: 88288

Descriptor, Lab No. and Results

Parameter	Reporting Limit	MW-3	MW-4	Units
		02-23-90 1500	02-23-90 1530	
PETROLEUM HYDROCARBONS EXTRACTABLE (WATER)		--	--	
DILUTION FACTOR *		1	1	
DATE EXTRACTED		03-02-90	03-02-90	
DATE ANALYZED		03-05-90	03-05-90	
METHOD GC FID/3510 as Diesel	0.05	0.34	ND	mg/L

Client Acct: 36.75
Client Name: Carolina Freight Carriers
NET Log No: 9935

Date: 03-12-90
Page: 3

Ref: GI Trucking-San Leandro, CA Project: 88288

Descriptor, Lab No. and Results

Parameter	Reporting Limit	MW-5	MW-2	Units
		02-23-90 1605	02-23-90 1640	
PETROLEUM HYDROCARBONS EXTRACTABLE (WATER)		--	--	
DILUTION FACTOR *		1	1	
DATE EXTRACTED		03-02-90	03-02-90	
DATE ANALYZED		03-05-90	03-05-90	
METHOD GC FID/3510 as Diesel	0.05	ND	ND	mg/L

Client Acct: 36.75
Client Name: Carolina Freight Carriers
NET Log No: 9935

Date: 03-12-90
Page: 4

Ref: GI Trucking-San Leandro, CA Project: 88288

QUALITY CONTROL RESULTS - TOTAL PETROLEUM HYDROCARBONS (water)

<u>Parameter</u>	<u>Reporting Limits</u>	<u>Units</u>	<u>Blank Results</u>	<u>Lab No. Spike and Spike Replicate Results (% Recovery)</u>		<u>RPD</u>
				<u>(-47751S)</u>	<u>(-47751SR)</u>	
as Diesel	0.5	mg/L	ND	64	58	8.7

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, $100 \text{ [Value 1 - Value 2] / mean value}$.
- 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.
- umhos/cm : Micromhos 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

9935

CHAIN OF CUSTODY RECORD

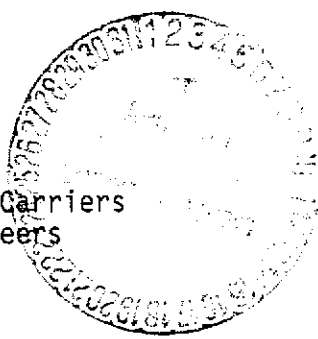
PROJ NO. 88288		PROJECT NAME G1 Trucking - San Leandro, CA				NO OF CON-TAINERS	TPH as gasoline + BTXE	TPH as diesel	Oil & Grease (SM503E)	VOC (EPA 624/8240)	Semi-VOC (EPA 625/8270)	HOLD							REMARKS
SAMPLERS (Signature) <i>Michael S. L.</i>																			
DATE	TIME	COMP.	GRAB	SAMPLE LOCATION															
2-23-90	2:30P		X	Bailer Blank	1-l						X								
2-23-90	3:00P		X	MW-3	1-l		X												10 day TAT
2-23-90	3:30P		X	MW-4	1-l		X												10 day TAT
2-23-90	4:05P		X	MW-5	1-l		X												10 day TAT
2-23-90	4:40P		X	MW-2	1-l		X												10 day TAT
Relinquished by: (Signature) <i>Michael S. L.</i>		Date/Time 2/28/90 3:40 PM		Received by: (Signature) <i>Jeff Wickler</i>			Relinquished by: (Signature) <i>Jeff Wickler</i>		Date/Time		Received by: (Signature)								
Relinquished by: (Signature)		Date/Time		Received by: (Signature)			Relinquished by: (Signature)		Date/Time		Received by: (Signature)								
Relinquished by: (Signature)		Date/Time		Received for Laboratory by: (Signature) <i>K Temple</i>			Date/Time 3-1-90 1400		Remarks Bill to: Carolin Freight Carriers c/o Blymyer Engineers										



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




Date: 03-30-90
NET Client Acct. No: 36.75
NET Pacific Log No: 1120
Received: 03-13-90 1500

Client Reference Information

GI Trucking-San Leandro, CA 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: 36.75
Client Name: Carolina Freight Carriers
NET Log No: 1120

Date: 03-30-90
Page: 2

Ref: GI Trucking-San Leandro, CA Project: 88288

SAMPLE DESCRIPTION: Bailer Blank02-23-90 1430
LAB Job No: (-48516)

Parameter	Reporting Limit	Results	Units
PETROLEUM HYDROCARBONS EXTRACTABLE (WATER)		--	
DILUTION FACTOR *		1	
DATE EXTRACTED		03-15-90	
DATE ANALYZED		03-15-90	
METHOD GC FID/3510 as Diesel	0.05	ND	mg/L

Client Acct: 36.75
Client Name: Carolina Freight Carriers
NET Log No: 1120

Date: 03-30-90
Page: 3

Ref: GI Trucking-San Leandro, CA Project: 88288

QUALITY CONTROL RESULTS - TOTAL PETROLEUM HYDROCARBONS (water)

<u>Parameter</u>	<u>Reporting Limits</u>	<u>Units</u>	<u>Blank Results</u>	<u>Lab No. Spike and Spike Replicate Results (% Recovery)</u>		<u>RPD</u>
				<u>(-48606S)</u>	<u>(-48606SR)</u>	
as Diesel	0.05	mg/L	ND	69	67	2.6

KEY TO ABBREVIATIONS and METHOD REFERENCES

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