



January 2, 1992

BEI Job No. 88288

92 JAN 14 PM 4:20

~~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: GI Trucking Company
1750 Adams Avenue, San Leandro, CA
Quarterly Groundwater Sampling

Dear Mr. Seto:

This documents the first quarterly groundwater sampling for the fourth year at the subject facility.

Four of the five existing monitoring wells (MW-2 through MW-5, Figure 1) were sampled on December 9, 1991. Well MW-1 contained a phase-separated hydrocarbon layer with a thickness of 0.2 feet. A groundwater sample was not collected from this well.

Three well casing volumes of water were removed from each well prior to sampling. A representative sample was collected from each well using a Teflon bailer and placed in one-liter amber bottles provided by the laboratory. The Well Purging and Sampling Data forms for all wells are enclosed. The groundwater samples were placed in a cooler with blue ice and delivered via courier to NET Pacific, Inc., a California-certified laboratory.

The water samples were analyzed for Total Petroleum Hydrocarbons (TPH) as diesel using modified EPA Method 8015. As indicated in the enclosed analytical report, TPH as diesel was not found in samples from wells MW-2, MW-4 and MW-5 at or above the reporting limit of 0.05 milligrams per liter (mg/l). TPH as diesel was detected at a concentration of 0.20 mg/l in well MW-3.

TPH as diesel was first detected in the groundwater sample from well MW-3 collected in February 1990, and, except in December 1990, has been detected in all groundwater samples from this well since February 1990, at concentrations ranging from 0.24 mg/l to 1.3 mg/l. TPH as diesel has not been detected in any groundwater samples from wells MW-2, MW-4 and MW-5. Blymyer Engineers will continue to perform quarterly groundwater sampling for wells MW-2 through MW-5 for another three quarters.

Mr. Larry Seto
Alameda County Health Care Services

January 2, 1992
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If you have any questions, please contact me at (510) 521-3773.

Cordially,
Blymyer Engineers, Inc.

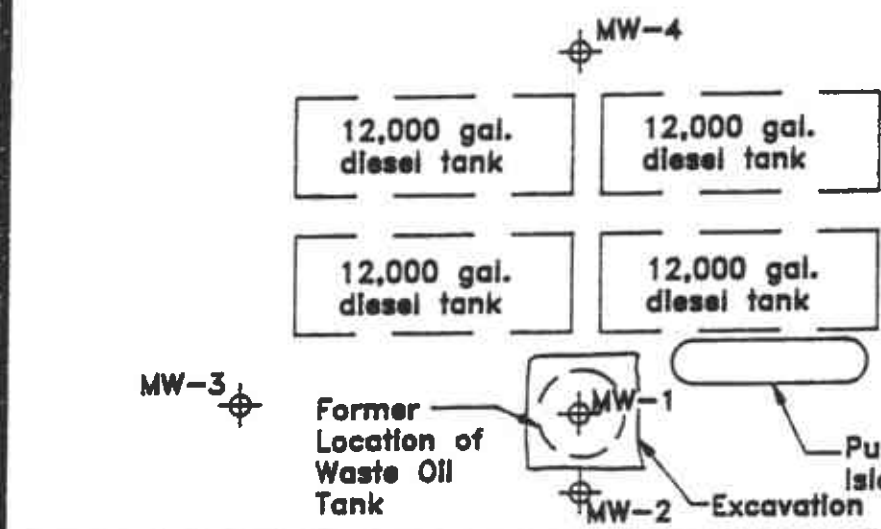


John Morrison
Geologist

Enclosures



cc: Mr. Eddie So, RWQCB
Mr. Mike Bakaldin, San Leandro Fire Department
Mr. Curtis Carr, Carolina Freight Carriers Corporation
Mr. Bob Hoganecamp, GI Trucking Company
Mr. Tom McGuire, GI Trucking Company

dt/jm/88288



MAINTENANCE BUILDING

LEGEND

-  GROUNDWATER MONITORING WELL
-  UNDERGROUND FUEL STORAGE TANK



SCALE IN FEET

REV	DESCRIPTION	DATE BY
BLYMYER ENGINEERS, INC ALAMEDA, CALIFORNIA		
SCALE SHOWN	FOR	GI TRUCKING
DATE LW 3/91		1750 ADAMS AVE. SAN LEANDRO, CA
APPROVED	TITLE	SITE PLAN
JOB 88288	PLAT NO.	FIGURE 1

WELL PURGING AND SAMPLING DATA

DATE 12/9/91 PROJECT NUMBER 88288 PROJECT NAME CAROLINA FREIGHT
WELL NUMBER MW-1 BORING DIAMETER N/A CASING DIAMETER 12"

Column of Liquid in Well Volume to be Removed
Depth to product 6.29 ft Gallon per foot of casing = _____
Depth to water 6.49 ft Column of water x _____
Total depth of well _____ Volume of casing = _____
Column of water _____ Number of volumes to remove x _____
Total volume to remove = _____

Method of measuring liquid OIL/WATER INTERFACE PROBE

Method of purging well _____ rate _____

Method of decon ALCONOX AND DISTILLED WATER

Physical appearance of water (clarity, color, particulates, odor) N/A

Initial _____
During _____
Final _____

<u>Field Analysis</u>	<u>Initial</u>	<u>During</u>	<u>Final</u>
Time	<u>13:07</u>	_____	_____
Temperature (F)	<u>N/A</u>	_____	_____
Conductivity (us/cm)	<u>N/A</u>	_____	_____
Ph	<u>N/A</u>	_____	_____
	<u>N/A</u>	_____	_____

Method of measurement _____
Total volume purged _____

Comments OBTAIN PRODUCT LEVEL THICKNESS ONLY: PRODUCT LAYER = 0.20 FT

Sample Number _____ Amount of Sample 12/9/91

Signed/Sampler *Steph W Moore* Date 12/9/91

Signed/Reviewer _____ Date _____

WELL PURGING AND SAMPLING DATA

DATE 12/9/91 PROJECT NUMBER 88288 PROJECT NAME CAROLINA FREIGHT
 WELL NUMBER MW-2 BORING DIAMETER N/A CASING DIAMETER 2"

<u>Column of Liquid in Well</u>		<u>Volume to be Removed</u>		
Depth to product	<u>N/A</u>	Gallon per foot of casing	=	<u>0.17 gal/ft</u>
Depth to water	<u>6.69 ft</u>	Column of water	x	<u>16.56 ft</u>
Total depth of well	<u>23.25 ft</u>	Volume of casing to remove	=	<u>2.8 gal</u>
Column of water	<u>16.56 ft</u>	Number of volumes to remove	x	<u>3</u>
		Total volume to remove	=	<u>8.4 gal</u>

Method of measuring liquid OIL/WATER INTERFACE PROBE
 Method of purging well TEFLON BAILER rate N/A
 Method of decon ALCONOX AND DISTILLED WATER

Physical appearance of water (clarity, color, particulates, odor)
 Initial CLEAR, NO ODOR
 During SILTY, TAN COLOR, NO ODOR
 Final SILTY, TAN COLOR, NO ODOR

<u>Field Analysis</u>	<u>Initial</u>	<u>During</u>	<u>Final</u>
Time	<u>11:22</u>	<u>11:29</u>	<u>11:35</u>
Temperature (F)	<u>62.7</u>	<u>63.8</u>	<u>63.5</u>
Conductivity (us/cm)	<u>844</u>	<u>872</u>	<u>846</u>
Ph	<u>8.36</u>	<u>8.21</u>	<u>8.16</u>

Method of measurement HYDAC METER
 Total volume purged 8.5 GALLONS
 Comments _____

Sample Number MW-2 Amount of Sample 3 - 1 L AMBER BOTTLES

Signed/Sampler *Stephen W. Moore* Date 12/9/91

Signed/Reviewer _____ Date _____

WELL PURGING AND SAMPLING DATA

DATE 12/9/91 PROJECT NUMBER 88288 PROJECT NAME CAROLINA FREIGHT
WELL NUMBER MW-3 BORING DIAMETER N/A CASING DIAMETER 2"

<u>Column of Liquid in Well</u>		<u>Volume to be Removed</u>		
Depth to product	<u>N/A</u>	Gallon per foot of casing	=	<u>0.17 GAL/FT</u>
	<u>6.65 FT</u>	Column of water	x	<u>16.10 FT</u>
Depth to water		Volume of casing	=	<u>2.7 GAL</u>
	<u>22.75 FT</u>	Number of volumes to remove	x	<u>3</u>
Total depth of well		Total volume to remove	=	<u>8.1 GAL</u>
Column of water	<u>16.10 FT</u>			

Method of measuring liquid OIL/WATER INTERFACE PROBE
Method of purging well TEFLON BAILER rate N/A
Method of decon ALCONOX AND DISTILLED WATER

Physical appearance of water (clarity, color, particulates, odor)
Initial CLEAR, NO ODOR
During SILTY, TAN COLOR, NO ODOR
Final SILTY, TAN COLOR, NO ODOR

<u>Field Analysis</u>	<u>Initial</u>	<u>During</u>	<u>Final</u>
Time	<u>12:20</u>	<u>12:26</u>	<u>12:32</u>
Temperature (F)	<u>63.4</u>	<u>65.2</u>	<u>66.0</u>
Conductivity (us/cm)	<u>817</u>	<u>868</u>	<u>950</u>
Ph	<u>8.35</u>	<u>8.11</u>	<u>7.99</u>

Method of measurement HYDAC METER
Total volume purged 8.5 GALLONS
Comments _____

Sample Number MW-3 Amount of Sample 3 - 1 L AMBER BOTTLES

Signed/Sampler *Steve W. Moore* Date 12/9/91
Signed/Reviewer _____ Date _____

WELL PURGING AND SAMPLING DATA

DATE 12/9/91 PROJECT NUMBER 88288 PROJECT NAME CAROLINA FREIGHT
 WELL NUMBER MW-4 BORING DIAMETER N/A CASING DIAMETER 2"

<u>Column of Liquid in Well</u>		<u>Volume to be Removed</u>		
Depth to product	<u>N/A</u>	Gallon per foot of casing	=	<u>0.17 gal/ft</u>
Depth to water	<u>5.78 ft</u>	Column of water	x	<u>17.01 ft</u>
Total depth of well	<u>22.79 ft</u>	Volume of casing to remove	=	<u>2.9 gal</u>
Column of water	<u>17.01 ft</u>	Number of volumes to remove	x	<u>3</u>
		Total volume to remove	=	<u>8.7 gal</u>

Method of measuring liquid OIL/WATER INTERFACE PROBE
 Method of purging well TEFLON BAILER rate N/A
 Method of decon ALCONOX AND DISTILLED WATER

Physical appearance of water (clarity, color, particulates, odor)
 Initial CLEAR, NO ODOR
 During SILTY, BROWN COLOR, NO ODOR
 Final SILTY, BROWN COLOR, NO ODOR

<u>Field Analysis</u>	<u>Initial</u>	<u>During</u>	<u>Final</u>
Time	<u>09:25</u>	<u>09:32</u>	<u>09:39</u>
Temperature (F)	<u>61.5</u>	<u>64.9</u>	<u>63.6</u>
Conductivity (us/cm)	<u>854</u>	<u>905</u>	<u>901</u>
Ph	<u>7.05</u>	<u>7.34</u>	<u>7.64</u>

Method of measurement HYDAC METER
 Total volume purged 9.0 GALLONS
 Comments _____

Sample Number MW-4 Amount of Sample 3 - 1 L AMBER BOTTLES

Signed/Sampler *Steph W Moore* Date 12/9/91
 Signed/Reviewer _____ Date _____

DATE 12/9/91 PROJECT NUMBER 88288 PROJECT NAME CAROLINA FREIGHT
 WELL NUMBER MW-5 BORING DIAMETER N/A CASING DIAMETER 2"

<u>Column of Liquid in Well</u>		<u>Volume to be Removed</u>		
Depth to product	<u>N/A</u>	Gallon per foot of casing	=	<u>0.17 gal/ft</u>
Depth to water	<u>5.99 ft</u>	Column of water	x	<u>16.26 ft</u>
Total depth of well	<u>22.25 ft</u>	Volume of casing	=	<u>2.8 gal</u>
Column of water	<u>16.26 ft</u>	Number of volumes to remove	x	<u>3</u>
		Total volume to remove	=	<u>8.4 gal</u>

Method of measuring liquid OIL/WATER INTERFACE PROBE
 Method of purging well TEFLON BAILER rate N/A
 Method of decon ALCONOX AND DISTILLED WATER

Physical appearance of water (clarity, color, particulates, odor)
 Initial CLEAR, NO ODOR
 During SILTY, DARK TAN COLOR, NO ODOR
 Final SILTY, TAN COLOR, NO ODOR

<u>Field Analysis</u>	<u>Initial</u>	<u>During</u>	<u>Final</u>
Time	<u>10:25</u>	<u>10:31</u>	<u>10:38</u>
Temperature (F)	<u>62.3</u>	<u>63.5</u>	<u>63.1</u>
Conductivity (us/cm)	<u>916</u>	<u>940</u>	<u>937</u>
Ph	<u>8.15</u>	<u>8.02</u>	<u>8.07</u>

Method of measurement HYDAC METER
 Total volume purged 8.5 GALLONS
 Comments _____

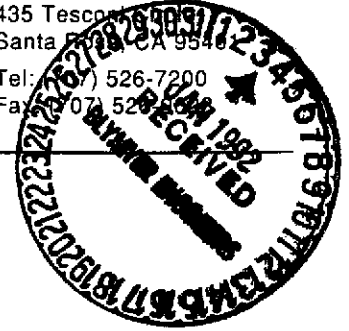
Sample Number MW-5 Amount of Sample 3 - 1 L AMBER BOTTLES

Signed/Sampler *Stephen W. Moran* Date 12/9/91
 Signed/Reviewer _____ Date _____



NATIONAL
ENVIRONMENTAL
TESTING, INC.

NET Pacific, Inc.
435 Tesco
Santa Fe, CA 95401
Tel: (916) 526-7200
Fax: (916) 526-7200



John Morrison
Blymyer Engineers, Inc
1829 Clement Ave
Alameda, CA 94501

Date: 01/02/1992
NET Client Acct. No: 49500
NET Pacific Log No: 91.1160
Received: 12/11/1991

Client Reference Information

Job No. 88288, Carolina Freight, San Leandro

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: 49500
 Client Name: Blymyer Engineers, Inc
 NET Log No: 91.1160

Date: 01/02/1992
 Page: 2

NET Pacific, Inc

Ref: Job No. 88288, Carolina Freight, San Leandro

SAMPLE DESCRIPTION: MW-4
 Date Taken: 12/09/1991
 Time Taken: 09:55
 LAB Job No: (-107516)

Parameter	Method	Reporting Limit	Results	Units
METHOD 3510 (GC,FID)				
DILUTION FACTOR*			1	
DATE EXTRACTED			12-15-91	
DATE ANALYZED			12-17-91	
as Diesel	3510	0.05	ND	mg/L



Client Acct: 49500
Client Name: Blymyer Engineers, Inc
NET Log No: 91.1160

Date: 01/02/1992
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NET Pacific, Inc

Ref: Job No. 88288, Carolina Freight, San Leandro

SAMPLE DESCRIPTION: MW-5
Date Taken: 12/09/1991
Time Taken: 10:53
LAB Job No: (-107517)

Parameter	Method	Reporting Limit	Results	Units
METHOD 3510 (GC,FID)				
DILUTION FACTOR*			1	
DATE EXTRACTED			12-15-91	
DATE ANALYZED			12-17-91	
as Diesel	3510	0.05	ND	mg/L



Client Acct: 49500
Client Name: Blymyer Engineers, Inc
NET Log No: 91.1160

Date: 01/02/1992
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NET Pacific, Inc

Ref: Job No. 88288, Carolina Freight, San Leandro

SAMPLE DESCRIPTION: MW-2
Date Taken: 12/09/1991
Time Taken: 11:50
LAB Job No: (-107518)

Parameter	Method	Reporting Limit	Results	Units
METHOD 3510 (GC,FID)				
DILUTION FACTOR*			1	
DATE EXTRACTED			12-15-91	
DATE ANALYZED			12-17-91	
as Diesel	3510	0.05	ND	mg/L



Client Acct: 49500
Client Name: Blymyer Engineers, Inc
NET Log No: 91.1160

Date: 01/02/1992
Page: 5

NET Pacific, Inc

Ref: Job No. 88288, Carolina Freight, San Leandro

SAMPLE DESCRIPTION: MW-3
Date Taken: 12/09/1991
Time Taken: 12:47
LAB Job No: (-107519)

Parameter	Method	Reporting Limit	Results	Units
METHOD 3510 (GC,FID)				
DILUTION FACTOR*			1	
DATE EXTRACTED			12-15-91	
DATE ANALYZED			12-17-91	
as Diesel	3510	0.05	0.20	mg/L



Client Acct: 49500
Client Name: Blymyer Engineers, Inc
NET Log No: 91.1160

Date: 01/02/1992
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NET Pacific, Inc

Ref: Job No. 88288, Carolina Freight, San Leandro

QUALITY CONTROL DATA

Parameter	Reporting Limits	Units	Cal Verf Stand % Recovery	Blank Data	Spike % Recovery	Duplicate Spike % Recovery	RPD
Diesel	0.05	mg/L	89	ND	99	98	< 1



NET Pacific, Inc

KEY TO ABBREVIATIONS and METHOD REFERENCES

<	: Less than; When appearing in results column indicates analyte not detected at the value following. This datum supercedes the listed Reporting Limit.
*	: 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 (but do not multiply reported values).
ICVS	: Initial Calibration Verification Standard (External Standard).
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 100 through 493: see "Methods for Chemical Analysis of Water & Wastes", U.S. EPA, 600/4-79-020, rev. 1983.

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.

SM: see "Standard Methods for the Examination of Water & Wastewater, 17th Edition, APHA, 1989.

