



April 30, 1997

506 First Avenue NE, Suite 100, Rochester, Minnesota 55906
(507) 252-0945 • FAX: (507) 288-7592

Mr. Ray Colbert
B&F Distributing, Inc.
3706 Enterprise Drive SW
Rochester, MN 55902-12557

Dear Mr. Colbert:

Re: Quarterly Monitoring Report
Apollo I Gas Station
MPCA LEAK #1221
Austin, Minnesota

Enclosed are the results of the March 1997 groundwater monitoring event completed by Omni Environmental, Inc. (Omni) at the above referenced site. The site is located at 3010 West Oakland Avenue in Austin, Minnesota.

Based on the following information Omni requests site closure at this time:

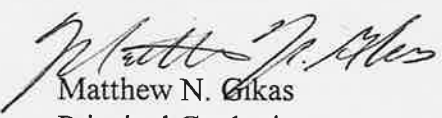
- 1) the groundwater flow direction has been established to be in a westerly direction;
- 2) the downgradient wells MW-5 and MW-6 as well as MW-4D, MW-1 and MW-2 have consistently been below practical quantification limits and/or below the Health Risk Limits (HRLs) for BTEX and MTBE; and
- 3) the contaminant concentrations in MW-3 and MW-4 have been on a steady decline over the last four quarters.

If you have any questions or comments regarding this report or other project related items, please contact us at (507) 252-0945.

Respectfully Submitted,

OMNI ENVIRONMENTAL, INC.


Zane A. Nevala
Project Manager


Matthew N. Gikas
Principal Geologist

cc: Sandeep Burman - MPCA

Quarterly Monitoring Report

Fact Sheet #3.25

April 1996

Use this worksheet to report quarterly site monitoring results **for the period of time after the *Remedial Investigation Report Form* is submitted until that form is reviewed by Minnesota Pollution Control Agency (MPCA) staff.** Assume that the RI Report Form will take up to 120 days for review. Following remedial investigation/corrective action design approval, report site monitoring annually using the *Annual Monitoring Report (fact sheet #3.26)*, unless directed otherwise by MPCA staff.

I. SITE INFORMATION

Site name and address: Apollo I Gas Station
 3010 West Oakland Avenue
 Austin, Minnesota

MPCA Leak Number: *LEAK #*:1221

Date submitted: April, 1997

II. GROUND WATER MONITORING

Indicate the *cumulative* water table data for each monitoring well.

Well Number	Date	Depth of Water from Top of Casing	Product Thickness	Depth of Water Below Grade	Relative Groundwater Elevation
MW-1	10/6/94	12.85			1227.79
	6/1/95	12.35			1228.29
	9/11/95	15.50			1225.14
	11/29/95	16.15			1224.49
	3/15/96	19.00			1221.64
	6/5/96	14.45			1226.19
	8/29/96	16.08			1224.56
	1/9/97	16.16			1224.48
	3/26/97	14.56			1226.08
MW-2	10/6/94	10.99			1229.63
	6/1/95	10.66			1229.96
	9/11/95	14.50			1226.12
	11/29/95	15.40			1225.22
	3/15/96	18.57			1222.05
	6/5/96	12.54			1228.08
	8/29/96	13.88			1226.74
	1/9/97	15.08			1225.54
	3/26/97	13.07			1227.55
MW-3	10/6/94	11.61			1229.04
	6/1/95	11.10			1229.55
	9/11/95	15.20			1225.45
	11/29/95	16.25			1224.40
	3/15/96	19.40			1221.25
	6/5/96	13.36			1227.29
	8/29/96	14.76			1225.89
	1/9/97	16.12			1224.53
	3/26/97	12.72			1227.93
MW-4	10/6/94	12.25			1225.74
	6/1/95	11.22			1226.77
	9/11/95	14.70			1223.29

Quarterly Site Monitoring Worksheet

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April 1997

Well Number	Date	Depth of Water from Top of Casing	Product Thickness	Depth of Water Below Grade	Relative Groundwater Elevation
	11/29/95	15.65			1222.34
	3/15/96	18.05			1219.94
	6/5/96	13.78			1224.21
MW-4	8/29/96	15.02			1222.97
	1/9/97	15.23			1222.76
	3/26/97	13.77			1224.22
MW-4D	10/6/94	14.75			1223.29
	6/1/95	13.78			1224.26
	9/11/95	17.28			1220.76
	11/29/95	18.00			1220.04
	3/15/96	19.95			1218.09
	6/5/96	16.49			1221.55
	8/29/96	17.59			1220.45
	1/9/97	17.79			1220.25
	3/26/97	16.36			1221.68
MW-5	10/6/94	15.98			1223.04
	6/1/95	14.89			1224.13
	9/11/95	18.40			1220.62
	11/29/95	19.25			1219.77
	3/15/96	21.98			1217.04
	6/5/96	17.66			1221.36
	8/29/96	18.90			1220.12
	1/9/97	18.78			1220.24
	3/26/97	17.41			1221.61
MW-6	10/6/94	17.04			1222.93
	6/1/95	16.10			1223.87
	9/11/95	19.35			1220.62
	11/29/95	20.10			1219.87
	3/15/96	21.78			1218.19
	6/5/96	18.63			1221.34
	8/29/96	19.84			1220.13
	1/9/97	19.66			1220.31
	3/26/97	18.37			1221.60

Notes: (GW above/below screen, etc.)

Tabulate the *cumulative* laboratory analytical results for water samples for each monitoring well (include sample blanks) using the format shown below. **Also, attach 1) copies of most recent laboratory reports for ground water analyses, including a copy of the Chain of Custody and 2) a ground water contour map based on the most recent ground water elevation data.**

Well #	Date	Benzene	Toluene	Ethylbenzene	Xylene	MTBE	GRO
MW-1	10/6/94	<1.0	<1.0	<1.0	<1.0	23	<100
	9/11/95	<1.0	<3.0	<3.0	<6.0	<1.0	<20
	3/15/96	<1.0	<3.0	<3.0	<6.0	<1.0	<20
MW-2	10/6/94	<1.0	<1.0	<1.0	<1.0	29	<100
	9/11/95	<3.0	<3.0	<3.0	<6.0	<1.0	<20
	3/15/96	<3.0	<3.0	<3.0	<6.0	<1.0	<20
MW-3	10/6/94	210	92	180	932	40	8000
	6/1/95	260	95	240	906	<1.0	11000
	9/11/95	450	97	170	1240	380	14000
	11/29/95	440	88	160	1000	<1.0	11000
	3/15/96	980	200	290	1358	<1.0	16000
	6/5/96	390	160	250	1320	19	15000
	8/29/96	210	52	120	886	<1.0	11000
	1/9/97	280*	<150*	<150*	880	<20*	14000
	3/26/97	220	110	190	895	93	11000
MW-4	10/6/94	710	260	140	63	17	1700
	6/1/95	14	<1.0	4.0	<1.0	<1.0	48
	9/11/95	59	3.0	53	<6.0	3.0	240
	11/29/95	190	13	120	<6.0	9.0	620
	3/15/96	230	30	190	10	8.0	680
	6/5/96	27	<1.0	9.0	<6.0	4.0	110
	8/29/96	<1.0	<1.0	<1.0	<6.0	3.0	<2.0
	1/9/97	<3.0	<3.0	<3.0	<6.0	4.0	49
	3/26/97	<3.0	<3.0	<3.0	<6.0	9.0	46
MW-4D	10/6/94	<1.0	<1.0	<1.0	<1.0	13	330
	6/1/95	<3.0	<3.0	<3.0	<6.0	2.0	710
	9/11/95	<3.0	<3.0	<3.0	<6.0	3.0	190
	11/29/95	<3.0	<3.0	<3.0	<6.0	4.0	160
	3/15/96	<3.0	<3.0	<3.0	<6.0	6.0	66
	8/29/96	<3.0	<3.0	<3.0	<6.0	6.0	60
	3/26/97	<3.0	<3.0	<3.0	<6.0	2.0	<20
MW-5	10/6/94	<1.0	<1.0	<1.0	<1.0	5.2	<100

Well #	Date	Benzene	Toluene	Ethylbenzene	Xylene	MTBE	GRO
MW-5	6/1/95	<1.0	<1.0	<1.0	<1.0	<1.0	<100
	9/11/95	5.0	<3.0	12	<6.0	<1.0	<20
	3/15/96	<3.0	<3.0	<3.0	<6.0	<1.0	<20
	8/29/96	<3.0	<3.0	<3.0	<6.0	<1.0	<20
MW-6	10/6/94	<1.0	<1.0	<1.0	<1.0	<1.0	<100
	6/1/95	<1.0	<1.0	<1.0	<1.0	<1.0	<100
	9/11/95	<3.0	<3.0	<3.0	<6.0	<1.0	<20
	3/15/96	<3.0	<3.0	<3.0	<6.0	<1.0	<20

* = *Detection Limits were raised to to levels present.*

< = *Below Detection Limits*

Units in Parts Per Billion (ppb)

Notes: (e.g., free product, dry well, units, etc.)

III. VAPOR IMPACT MONITORING

If vapor impacts were detected during the remedial investigation, complete the following table with cumulative vapor monitoring data collected. **Also, attach a map of the surveyed area that includes the locations of all vapor monitoring points from the previous table.**

Location #	Date	PID reading (ppm)	Percent of the LEL
#1			
#2			

Notes: (sample methodology, instrument types used, etc.)

NOTE: If vapor concentrations exceed 10 percent of the lower explosive limit, exit the building and contact the local fire department immediately. Then contact the Minnesota Duty Officer (24 hours) at 612/649-5451 (metro and outside Minnesota) or 1-800-422-0798 (Greater Minnesota). TTY users call 612/297-5353 (V/TTY) or 1-800-627-3529 (V/TTY). **Vapor mitigation is required.**

IV: CONSULTANT (OR OTHER) INFORMATION

By signing this document, I/we acknowledge that we are submitting this document on behalf of and as agents of the responsible person or volunteer for this leaksite. I/we acknowledge that if information in this document is inaccurate or incomplete, it will delay the completion of remediation and may harm the environment and may result in reduction of reimbursement awards. In addition, I/we acknowledge on behalf of the responsible person or volunteer for this leaksite that if this document is determined to contain a false material statement, representation, or certification, or if it omits material information, the responsible person or volunteer may be found to be in violation of Minn. Stat. § 115.075 (1994) or Minn. Rules 7000.0300 (Duty of Candor), and that the responsible person or volunteer may be liable for civil penalties.

Name and Title:

Signature:

Date signed:

Zane A. Nevala
Project Manager



5/1/97

Matthew N. Gikas
Principal Geologist



5/1/97

Company and mailing address:

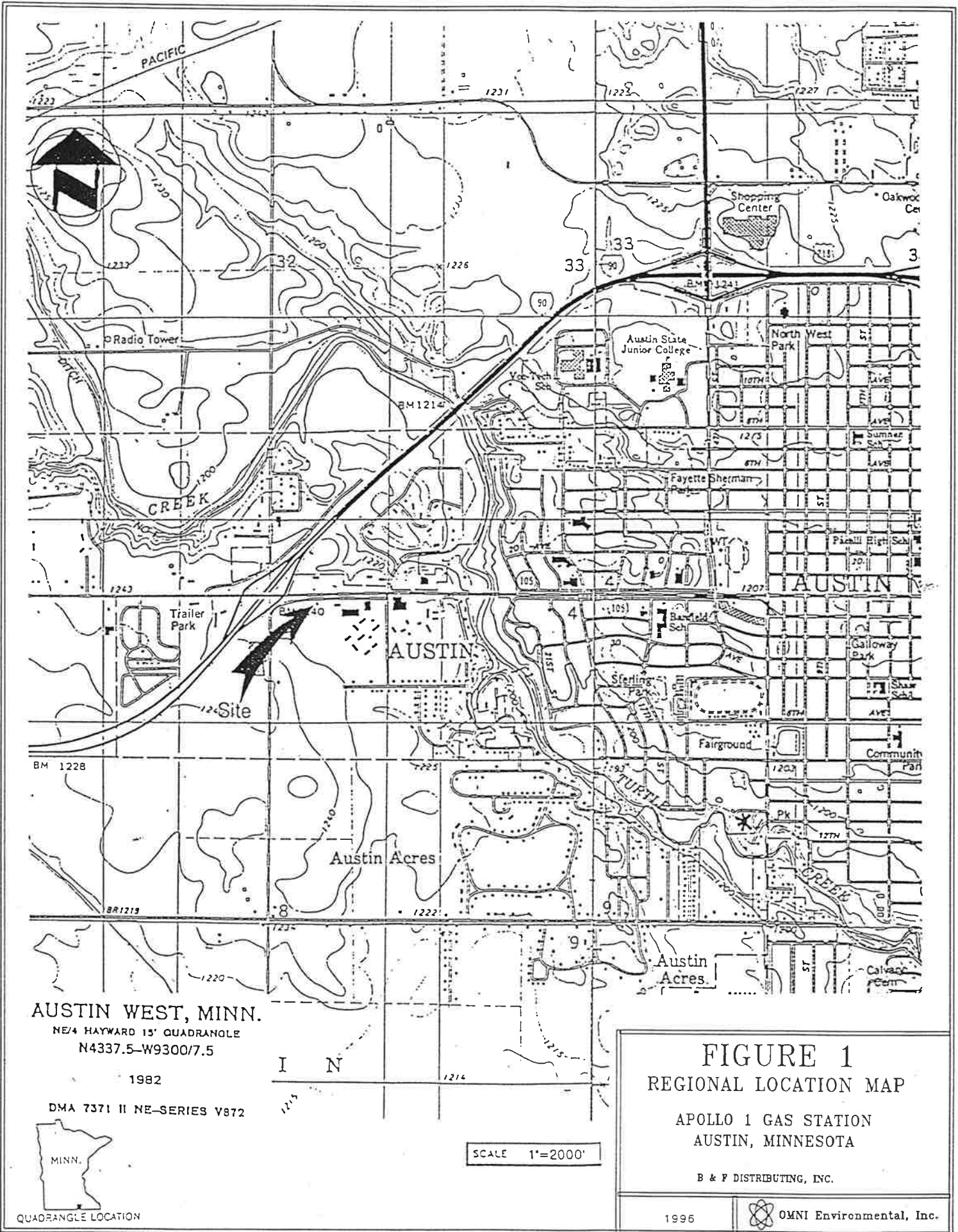
OMNI ENVIRONMENTAL, INC.
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AUSTIN WEST, MINN.

NE/4 HAYWARD 15' QUADRANGLE
 N4337.5-W9300/7.5

1982

DMA 7371 II NE-SERIES V872



QUADRANGLE LOCATION

I N

SCALE 1"=2000'

FIGURE 1
REGIONAL LOCATION MAP

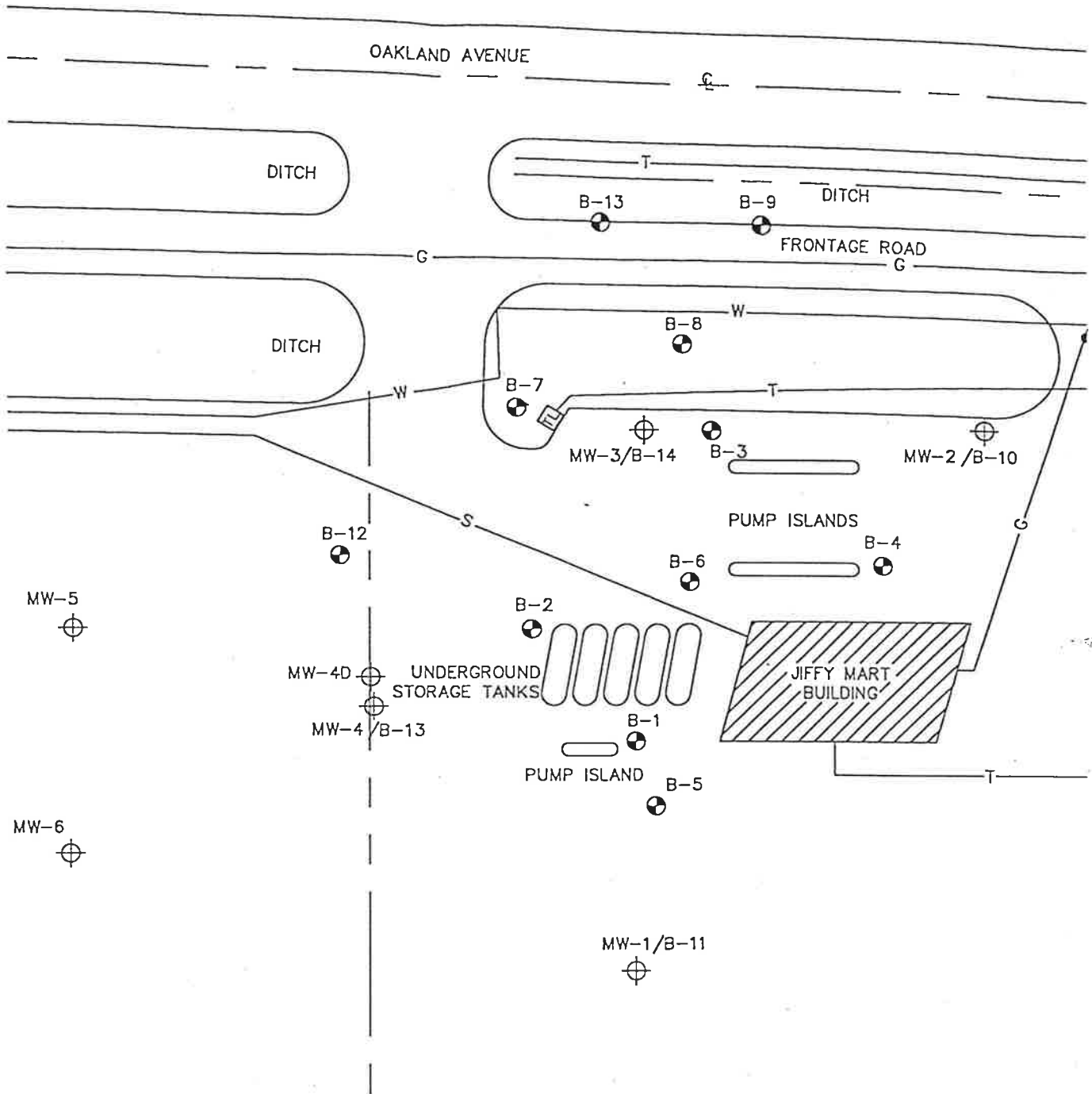
APOLLO 1 GAS STATION
 AUSTIN, MINNESOTA

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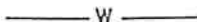

1996



OMNI Environmental, Inc.



LEGEND

-  SOIL BORING
-  MONITORING WELL
-  S SEWER LINE
-  T TELEPHONE LINE
-  W WATER LINE
-  G GAS LINE

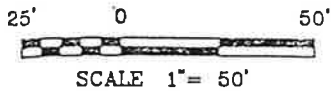

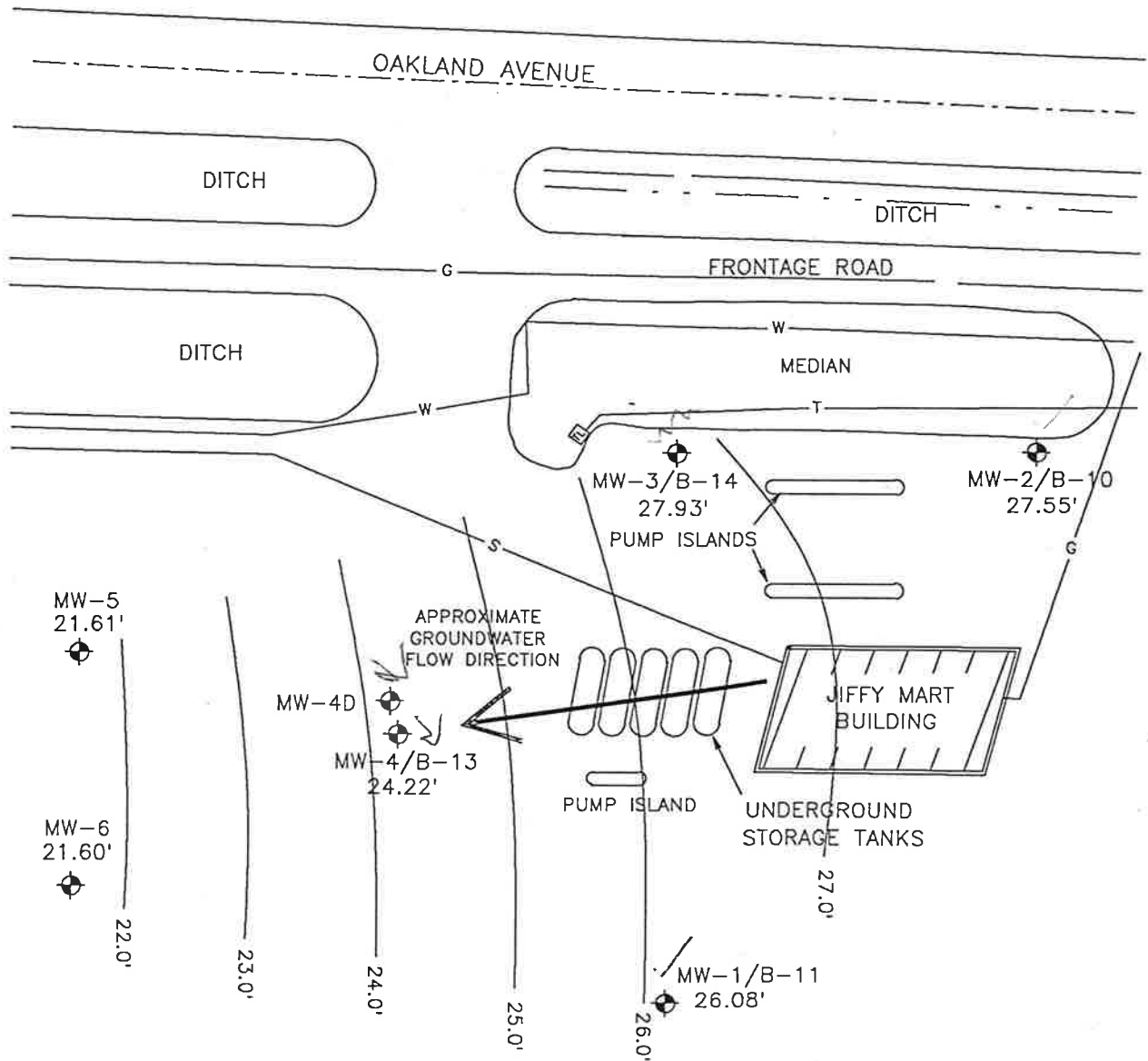


FIGURE 2
SITE PLAN






APOLLO 1 GAS STATION
AUSTIN, MINNESOTA

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1995  OMNI Environmental, Inc.



LEGEND

-  MONITORING WELL
-  S SEWER LINE
-  T TELEPHONE LINE
-  W WATER LINE
-  G GAS LINE

SCALE 1" = 55'

FIGURE 3
GROUNDWATER
CONTOUR MAP

03-26-97
APOLLO 1 GAS STATION
AUSTIN, MINNESOTA

March 1997



OMNI Environmental, Inc.

LABORATORY ANALYSIS REPORT

DATE: April 3, 1997 **PAGE:** 1 Of 6

CLIENT: Omni Environmental **PROJECT NO.:** 032897-201439
506 1st Ave. NE, Suite 100 **COLLECTION DATE:** 3/26/97
Rochester, MN 55906 **COLLECTED BY:** Client
RECEIVED DATE: 3/28/97
PROJECT DESCRP.: 95-0007
CONTACT: Matt Gikas **Apollo I Austin**

<u>ANALYSIS</u>	<u>UNITS</u>	<u>Sample No.:</u>	<u>Sample ID.:</u>	<u>MDL</u>	<u>PQL</u>	<u>RESULT</u>
EPA 8021/WIS DNR GRO						L971714-1
Date Analyzed: 4/01/97						MW-4
Methyl tert butyl ether	ug/L	1		10		(r) 9
Benzene	ug/L	3		10		ND
Toluene	ug/L	3		10		ND
Ethylbenzene	ug/L	3		10		ND
m,p-Xylene*	ug/L	6		10		ND
o-Xylene	ug/L	2		10		ND
Gasoline Range Organics	ug/L	20		100		(r)(p) 46
Surrogate Recovery	Detector					% Recovery
1-Chloro-4-Fluorobenzene	FID					87.8%
1-Chloro-4-Fluorobenzene	PID					87.4%

(r) Result is above MDL, but below PQL.
(p) Significant peaks detected outside GRO window.
* means Coeluting Compounds
ND means Not Detected or below reported MDL
MDL means Method Detection Limit
PQL means Practical Quantification Limit
ug/L means Micrograms Per Liter which is equivalent to Parts Per Billion (ppb)

LABORATORY ANALYSIS REPORT

DATE:	April 3, 1997	PAGE:	2 Of 6
CLIENT:	Omni Environmental 506 1st Ave. NE, Suite 100 Rochester, MN 55906	PROJECT NO.:	032897-201439
		COLLECTION DATE:	3/26/97
		COLLECTED BY:	Client
		RECEIVED DATE:	3/28/97
CONTACT:	Matt Gikas	PROJECT DESCRP.:	95-0007 Apollo I Austin

<u>ANALYSIS</u>	<u>UNITS</u>	<u>Sample No.:</u> <u>Sample ID.:</u> <u>MDL</u>	<u>PQL</u>	<u>L971714-2</u> <u>MW-4D</u> <u>RESULT</u>
EPA 8021/WIS DNR GRO				
<i>Date Analyzed: 4/01/97</i>				
Methyl tert butyl ether	ug/L	1	10	^(r) 2
Benzene	ug/L	3	10	ND
Toluene	ug/L	3	10	ND
Ethylbenzene	ug/L	3	10	ND
m,p-Xylene*	ug/L	6	10	ND
o-Xylene	ug/L	2	10	ND
Gasoline Range Organics	ug/L	20	100	^(p) ND
Surrogate Recovery	Detector	% Recovery		
1-Chloro-4-Fluorobenzene	FID	80.0%		
1-Chloro-4-Fluorobenzene	PID	83.4%		

^(r) Result is above MDL, but below PQL.

^(p) Significant peak detected outside GRO window.

* means Coeluting Compounds

ND means Not Detected or below reported MDL

MDL means Method Detection Limit

PQL means Practical Quantification Limit

ug/L means Micrograms Per Liter which is equivalent to Parts Per Billion (ppb)

LABORATORY ANALYSIS REPORT

DATE:	April 3, 1997	PAGE:	3 Of 6
CLIENT:	Omni Environmental 506 1st Ave. NE, Suite 100 Rochester, MN 55906	PROJECT NO.:	032897-201439
		COLLECTION DATE:	3/26/97
		COLLECTED BY:	Client
		RECEIVED DATE:	3/28/97
CONTACT:	Matt Gikas	PROJECT DESCRP.:	95-0007 Apollo I Austin

<u>ANALYSIS</u>	<u>UNITS</u>	<u>Sample No.:</u> <u>Sample ID.:</u> <u>MDL</u>	<u>PQL</u>	<u>L971714-3^(d)</u> <u>MW-3</u> <u>RESULT</u>
EPA 8021/WIS DNR GRO				
Date Analyzed: 4/01/97				
Methyl tert butyl ether	ug/L	10	100	^(r) 93
Benzene	ug/L	30	100	220
Toluene	ug/L	30	100	110
Ethylbenzene	ug/L	30	100	190
m,p-Xylene*	ug/L	60	100	810
o-Xylene	ug/L	20	100	^(r) 85
Gasoline Range Organics	ug/L	200	1000	^{(r)(p)} 11,000
Surrogate Recovery	Detector	% Recovery		
1-Chloro-4-Fluorobenzene	FID	116%		
1-Chloro-4-Fluorobenzene	PID	109%		

^(d) A dilution was necessary due to levels present; therefore, detection limits were raised.

^(r) Result is above MDL, but below PQL.

^(p) Significant peaks detected outside GRO window.

* means Coeluting Compounds

ND means Not Detected or below reported MDL

MDL means Method Detection Limit

PQL means Practical Quantification Limit

ug/L means Micrograms Per Liter which is equivalent to Parts Per Billion (ppb)

LABORATORY ANALYSIS REPORT

DATE:	April 3, 1997	PAGE:	4 Of 6
CLIENT:	Omni Environmental 506 1st Ave. NE, Suite 100 Rochester, MN 55906	PROJECT NO.:	032897-201439
		COLLECTION DATE:	3/26/97
		COLLECTED BY:	Client
		RECEIVED DATE:	3/28/97
CONTACT:	Matt Gikas	PROJECT DESCRP.:	95-0007 Apollo I Austin

<u>ANALYSIS</u>	<u>UNITS</u>	<u>Sample No.:</u> <u>Sample ID.:</u> <u>MDL</u>	<u>PQL</u>	<u>L971714-4</u> <u>Duplicate</u> <u>RESULT</u>
EPA 8021/WIS DNR GRO				
Date Analyzed: 4/01/97				
Methyl tert butyl ether	ug/L	1	10	ND
Benzene	ug/L	3	10	ND
Toluene	ug/L	3	10	ND
Ethylbenzene	ug/L	3	10	ND
m,p-Xylene*	ug/L	6	10	ND
o-Xylene	ug/L	2	10	ND
Gasoline Range Organics	ug/L	20	100	ND
Surrogate Recovery				
	Detector			% Recovery
1-Chloro-4-Fluorobenzene	FID			80.3%
1-Chloro-4-Fluorobenzene	PID			80.6%

* means Coeluting Compounds
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 PQL means Practical Quantification Limit
 ug/L means Micrograms Per Liter which is equivalent to Parts Per Billion (ppb)

LABORATORY ANALYSIS REPORT

DATE:	April 3, 1997	PAGE:	5 Of 6
CLIENT:	Omni Environmental 506 1st Ave. NE, Suite 100 Rochester, MN 55906	PROJECT NO.:	032897-201439
		COLLECTION DATE:	3/26/97
		COLLECTED BY:	Client
		RECEIVED DATE:	3/28/97
CONTACT:	Matt Gikas	PROJECT DESCRP.:	95-0007 Apollo I Austin

<u>ANALYSIS</u>	<u>UNITS</u>	<u>Sample No.:</u> <u>Sample ID.:</u> <u>MDL</u>	<u>PQL</u>	<u>L971714-5</u> <u>Field Blank</u> <u>RESULT</u>
EPA 8021/WIS DNR GRO				
Date Analyzed: 4/01/97				
Methyl tert butyl ether	ug/L	1	10	ND
Benzene	ug/L	3	10	ND
Toluene	ug/L	3	10	⁽¹⁾ 11
Ethylbenzene	ug/L	3	10	ND
m,p-Xylene*	ug/L	6	10	ND
o-Xylene	ug/L	2	10	ND
Gasoline Range Organics	ug/L	20	100	ND
Surrogate Recovery	Detector	% Recovery		
1-Chloro-4-Fluorobenzene	FID	86.8%		
1-Chloro-4-Fluorobenzene	PID	88.9%		

⁽¹⁾To be re-analyzed to confirm result.

* means Coeluting Compounds

ND means Not Detected or below reported MDL

MDL means Method Detection Limit

PQL means Practical Quantification Limit

ug/L means Micrograms Per Liter which is equivalent to Parts Per Billion (ppb)

LABORATORY ANALYSIS REPORT**DATE:** April 3, 1997**PAGE:** 6 Of 6**CLIENT:** Omni Environmental
506 1st Ave. NE, Suite 100
Rochester, MN 55906**PROJECT NO.:** 032897-201439
COLLECTION DATE: 3/26/97
COLLECTED BY: Client
RECEIVED DATE: 3/28/97
PROJECT DESCRP.: 95-0007**CONTACT:** Matt Gikas

Apollo I Austin

<u>ANALYSIS</u>	<u>UNITS</u>	<u>Sample No.:</u> <u>Sample ID.:</u> <u>MDL</u>	<u>PQL</u>	<u>L971714-6</u> <u>Trip Blank</u> <u>RESULT</u>
EPA 8021/WIS DNR GRO				
Date Analyzed: 4/01/97				
Methyl tert butyl ether	ug/L	1	10	ND
Benzene	ug/L	3	10	ND
Toluene	ug/L	3	10	ND
Ethylbenzene	ug/L	3	10	ND
m,p-Xylene*	ug/L	6	10	ND
o-Xylene	ug/L	2	10	ND
Gasoline Range Organics	ug/L	20	100	ND
Surrogate Recovery				
1-Chloro-4-Fluorobenzene	Detector FID	% Recovery		82.0%
1-Chloro-4-Fluorobenzene	PID			83.0%

* means Coeluting Compounds

ND means Not Detected or below reported MDL

MDL means Method Detection Limit

PQL means Practical Quantification Limit

ug/L means Micrograms Per Liter which is equivalent to Parts Per Billion (ppb)

This report has been reviewed by me for technical accuracy and completeness. The analyses were performed using EPA or other approved methodologies and the results were reported on an "as received" basis unless otherwise noted. Organic soil analyses were reported on a dry weight basis. The results reported relate only to the items tested. Please contact me if you have any questions or comments regarding this report. Spectrum Labs, Inc. appreciates the opportunity to provide this analytical service for you.

Report Submitted By,

Thomas L. Halverson
Laboratory ManagerTLH:wmc
oe093-1

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