

**GWURR Package Cover Sheet**

Name Citco Quick Stop (Subway)

BRRTS # 03-42-000450

Tax Parcel # Monroe Co. #281-020-115-004

Groundwater Use Restriction

Location map

Detailed site map

Groundwater flow/isoconcentration maps

Geologic cross sections

Latest table(s) of analytical results (soil results included only if soil deed restriction is incorporated into groundwater use restriction document)

Closure letter(s)

478200

Document Number

GROUNDWATER USE RESTRICTION

RECORDS VOL 292 PAGE 284

Declaration of Restrictions

REGISTER'S OFFICE

County of Monroe, Wis.

Received for record this 29 day of June A.D., 19 99 at 9:45 o'clock A.M. De Beck Dept Registers \$14.00 p2

Recording Area

Name and Return Address

Envirogen Inc. Allan R. Wolfe 1285 Rudy St. PO Box 684 Onalaska, WI 54650-0684

In Re: Part of Outlot 115, Assessors Subdivision, City of Sparta, Monroe County, Wisconsin. Commencing at a point on the South line of Wisconsin Street or Federal Highway No. 16 and the West line of Black River Street, thence South along the West line of Black River Street a distance of ninety-seven (97) feet, thence West parallel with Wisconsin Street or Federal Highway No. 16 a distance of one hundred and ten (110) feet, thence North ninety-seven (97) feet to the South line of Wisconsin Street or Federal Highway No. 16, thence East one hundred and ten (110) feet to the place of beginning.

Part of Outlot 115, Assessors Subdivision, City of Sparta, Monroe County, Wisconsin. Commencing at a point 114 feet south of the Northeast corner of Outlot 115, Assessor's Subdivision, thence running South along the West line of Black River Street 55 feet, thence West 110 feet parallel with the South line of Wisconsin Street; thence North 55 feet, thence East 110 feet to the place of beginning.

STATE OF WISCONSIN ) ) ss COUNTY OF MONROE )

WHEREAS, Jon and Maryrose Hetland, and Michael and Renee Jandt are owners of the above-described properties.

WHEREAS, petroleum contamination discharges have occurred at this property. Contaminated groundwater above NR 140 enforcement standards exists on this property at the following locations: MW-1, MW-2, MW-4, and MW-11. MW-1, which was located approximately 58 feet north of the southern property line and 59 feet east of the west property line had benzene (100 ppb), ethylbenzene (940 ppb), toluene (1,800 ppb), total xylenes (3,600 ppb), total trimethylbenzenes (930 ppb), and naphthalene (340 ppb) concentrations above NR 140 enforcement standards on December 2, 1998. MW-2, which was located approximately 93 feet north of the southern property line and 18 feet west of the east property line, had benzene (<5.2 ppb), ethylbenzene (1,400 ppb), toluene (2,900 ppb), total xylenes (6,400 ppb), total trimethylbenzenes (1,410 ppb), and naphthalene (610 ppb) concentrations above NR 140 enforcement standards on December 2, 1998. MW-4, which was located approximately 123 feet north of the southern property line and 5 feet west of the east property line, had total trimethylbenzenes (1,050 ppb), and naphthalene (140 ppb) concentrations above NR 140 enforcement standards on December 2, 1998. MW-11, which was located approximately 92 feet north of the southern property line and 3 feet west of the east property line, had total xylenes (1,500 ppb), total trimethylbenzenes (570 ppb), and naphthalene (220 ppb) concentrations above NR 140 enforcement standards on December 2, 1998. The attached figure illustrates the locations of MW-1, MW-2, MW-4, and MW-11, as well as the groundwater contamination distribution.

WHEREAS, it is the desire and intention of the property owner to impose on the property restrictions which will make it unnecessary to conduct additional soil or groundwater remediation activities on the property at the present time.

WHEREAS, natural attenuation has been approved by the Department of Natural Resources to remediate groundwater exceeding ch. NR 140 groundwater standards within the boundaries of this property.

WHEREAS, construction of wells where the water quality exceeds the drinking water standards in ch. NR 809 is restricted by ch. NR 811 and ch. NR 812. Special well construction standards or water treatment requirements, or both, or well construction prohibitions may apply.

RECEIVED JUL 12 1999

NOW THEREFORE, the owner hereby declares that all of the property described above is held and shall be held, conveyed or encumbered, leased, rented, used, occupied and improved subject to the following limitation and restrictions:

Anyone who proposes to construct or reconstruct a well on this property is required to contact the Department of Natural Resources' Bureau of Drinking Water and Groundwater, or it's successor agency, to determine what specific prohibitions or requirements are applicable, prior to constructing or reconstructing a well on this property. No well may be constructed or reconstructed on this property unless applicable requirements are met.

This restriction is hereby declared to be a covenant running with the land and shall be fully binding upon all persons acquiring the above-described property whether by descent, devise, purchase or otherwise. This restriction benefits and is enforceable by, the Wisconsin Department of Natural Resources, its successors or assigns. This Department, its successors or assigns, may initiate proceedings at law or in equity against any person or persons who violate or are proposing to violate this covenant, to prevent the proposed violation or to recover damages for such violation.

Any person who is or becomes owner of the property described above may request that the Wisconsin Department of Natural Resources or its successor issue a determination that the restrictions set forth in this covenant are no longer required. Upon receipt of such a request, the Wisconsin Department of Natural Resources shall determine whether or not the restrictions contained herein can be extinguished. If the Department determines that the restrictions can be extinguished, an affidavit, with a copy of the Department's written determination, may be recorded to give notice that this groundwater use restriction is no longer binding

IN WITNESS WHEREOF, the owner's of the property has executed this Declaration of Restrictions, this 24<sup>th</sup> day of June, 1999.

Signature: [Signature]  
Printed Name: JON M HETLAND

Signature: [Signature]  
Printed Name: Maryrose Hetland

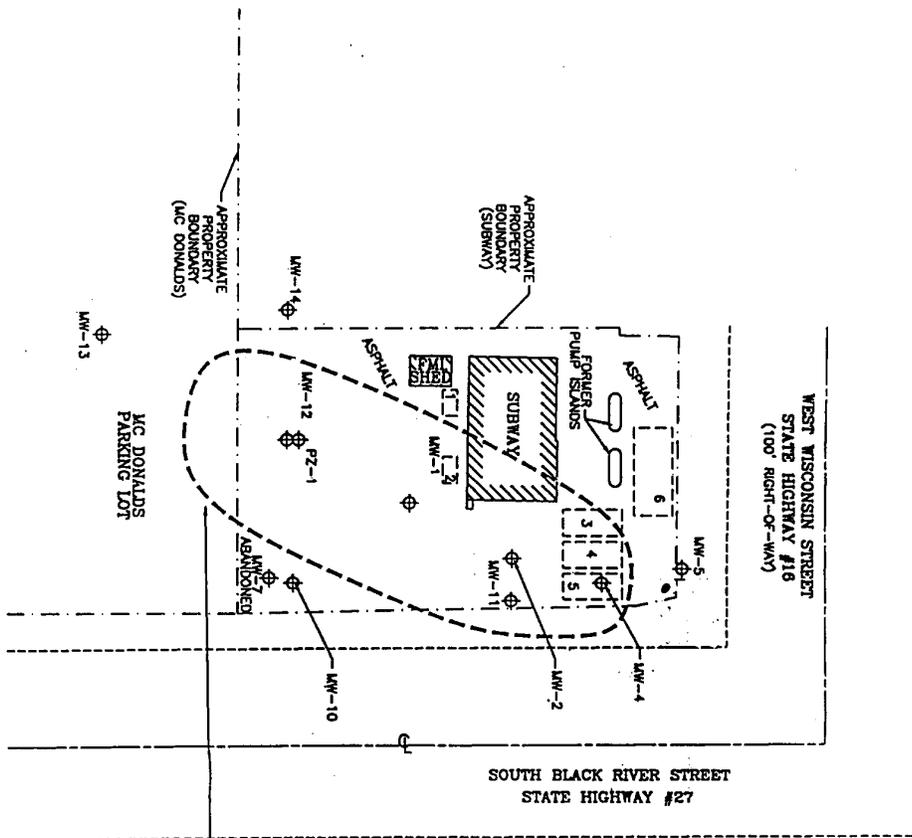
Signature: [Signature]  
Printed Name: MICHAEL JANDT

Signature: [Signature]  
Printed Name: Renee Jandt

Subscribed and sworn to before me this 24<sup>th</sup> day of June, 1999.

[Signature]  
Notary Public, State of Wisconsin  
My Commission Expires 1-28-2001

This document was drafted by Envirogen, Inc. (Fluid Management Division), to meet the requirements of the Wisconsin Department of Natural Resources.



SOUTH BLACK RIVER STREET  
STATE HIGHWAY #27

WEST WISCONSIN STREET  
STATE HIGHWAY #18  
(100' RIGHT-OF-WAY)

APPROXIMATE  
PROPERTY  
BOUNDARY  
(MJC DONALDS)

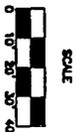
APPROXIMATE  
PROPERTY  
BOUNDARY  
(SUBWAY)

MJC DONALDS  
PARKING LOT

APPROXIMATE EXTENT OF  
GROUNDWATER CONTAMINATION  
ORIGINATING FROM  
NR140 ENFORCEMENT STANDARDS

- LEGEND**
- APPROXIMATE PROPERTY BOUNDARY
  - ⊕ MONITORING WELL
  - ⊕ PEZOMETER
  - (NA) NOT ANALYZED
- |   |              |
|---|--------------|
| B | BENZENE      |
| E | ETHYLBENZENE |
| T | TOLUENE      |
| X | XYLENES      |

- TANK LEGEND**
- 1 FORMER 500-GALLON WASTE OIL UST
  - 2 FORMER 500-GALLON FUEL OIL UST
  - 3 FORMER 300-GALLON UNLEADED GASOLINE UST
  - 4 FORMER 300-GALLON UNLEADED GASOLINE UST
  - 5 FORMER 300-GALLON UNLEADED GASOLINE UST
  - 6 FORMER 12,000-GALLON UNLEADED GASOLINE UST



SCALE



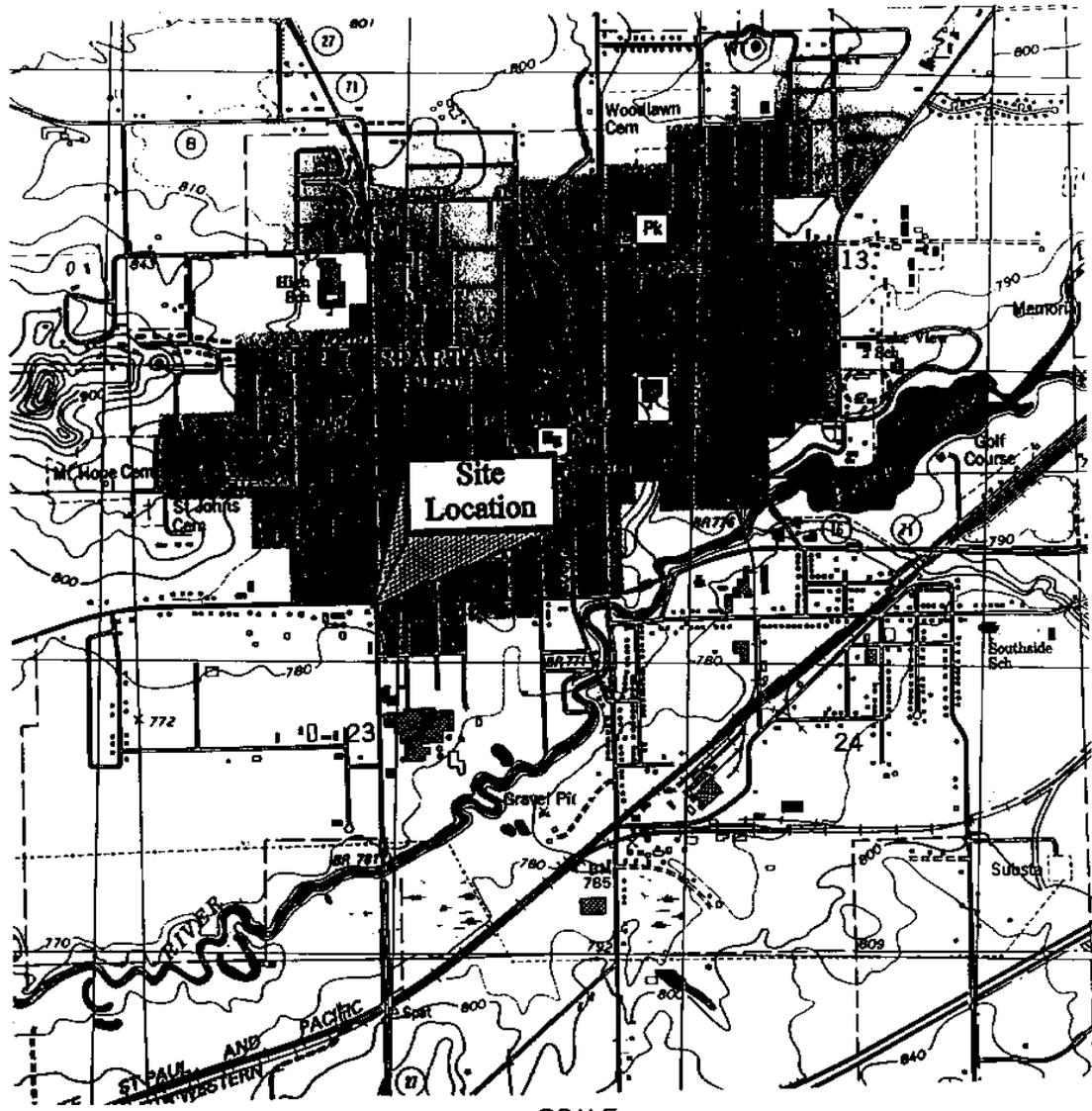
**ENVIROGEN**  
CONSULTING ENGINEERS  
1225 Park Street  
Oshkosh, Wisconsin 54901

GROUNDWATER CONTAMINANT DISTRIBUTION  
RAUCITO OIL STOP SITE  
17-2-78  
SPARTA, WISCONSIN

PROJECT NO.  
2

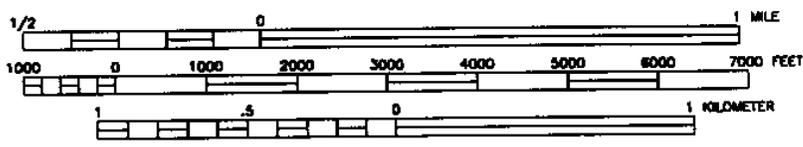
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DRAWING NO. 90.168L1  
 DRAWN BY: RRT  
 2/26/98  
 CHECKED BY: JEC  
 5-15-98  
 APPROVED BY: [Signature]  
 1/12/98



SCALE  
1:24000

(UNITED STATES GEOLOGICAL SURVEY, 1983. SPARTA  
QUADRANGLE. WISCONSIN MAP, 7.5 MINUTE SERIES)



CONTOUR INTERVAL 20 FEET



**Site Location Map  
Citgo Quik Stop Site  
Sparta, Wisconsin**

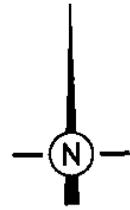


FIGURE NO.  
**1**

THE INTERPRETATIONS IN THIS FIGURE ARE BASED ON KNOWN POINTS IN TIME AND SPACE AND ARE INTEGRAL TO A WRITTEN REPORT AND SHOULD BE REVIEWED IN THAT CONTEXT.

DRAWING NO. 90.168L3  
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 2/26/98  
 CHECKED BY: JEC  
 3/27/98  
 APPROVED BY: [Signature]

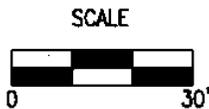
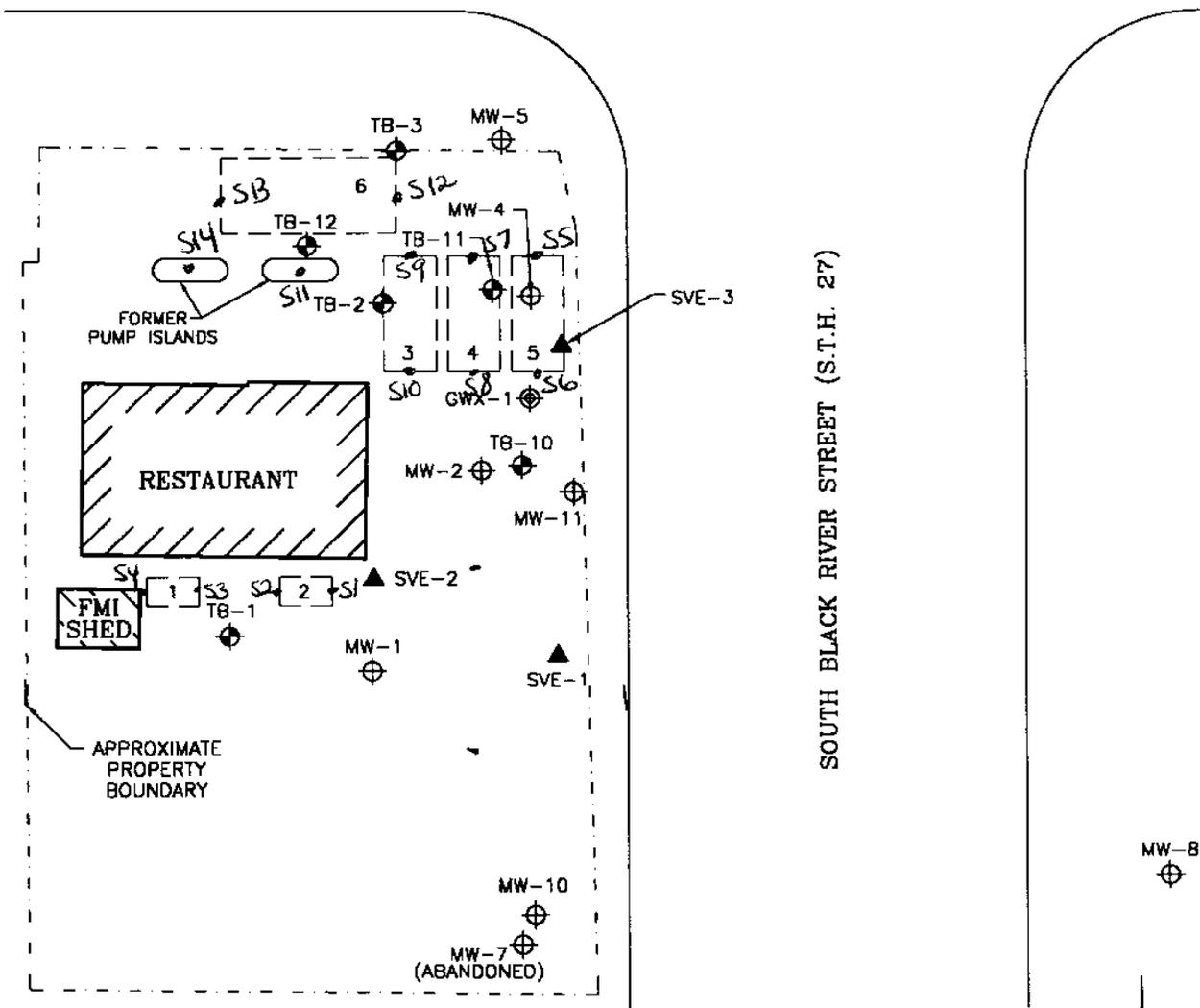
**TANK LEGEND**

- 1 FORMER 500-GALLON WASTE OIL UST
- 2 FORMER 500-GALLON FUEL OIL UST
- 3 FORMER 3,000-GALLON UNLEADED GASOLINE UST
- 4 FORMER 3,000-GALLON UNLEADED GASOLINE UST
- 5 FORMER 3,000-GALLON UNLEADED GASOLINE UST
- 6 FORMER 12,000-GALLON UNLEADED GASOLINE UST

**LEGEND**

- ⊕ MONITORING WELL
- ⊕ TEST BORING
- ▲ SOIL VAPOR EXTRACTION WELL
- ⊕ GROUNDWATER EXTRACTION WELL

WEST WISCONSIN STREET (S.T.H. 16)

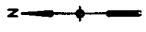
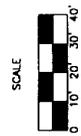


**Test Boring/Monitoring  
Well Locations  
Citgo Quik Stop Site  
Sparta, Wisconsin**



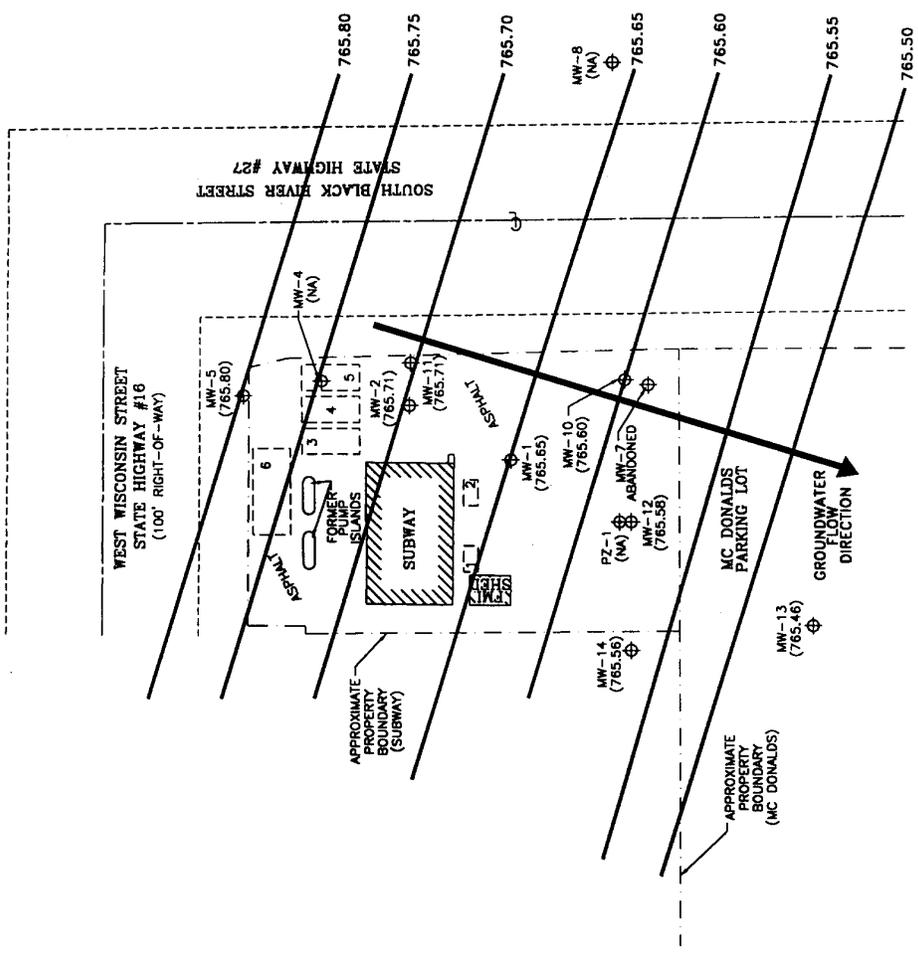
FIGURE NO.  
**3**

THE INTERPRETATIONS IN THIS FIGURE ARE BASED ON KNOWN POINTS IN TIME AND SPACE AND ARE INTEGRAL TO A WRITTEN REPORT AND SHOULD BE REVIEWED IN THAT CONTEXT.



- LEGEND**
- - - - - APPROXIMATE PROPERTY BOUNDARY
  - ⊕ MONITORING WELL
  - ⊕ PIEZOMETER
  - ( ) ELEVATION IN FEET ABOVE MSL
  - (NA) NOT AVAILABLE
  - 765.60 ISOELEVATION CONTOUR

- TANK LEGEND**
- 1 FORMER 500-GALLON WASTE OIL UST
  - 2 FORMER 500-GALLON FUEL OIL UST
  - 3 FORMER 3,000-GALLON UNLEADED GASOLINE UST
  - 4 FORMER 3,000-GALLON UNLEADED GASOLINE UST
  - 5 FORMER 3,000-GALLON UNLEADED GASOLINE UST
  - 6 FORMER 12,000-GALLON UNLEADED GASOLINE UST



APPROXIMATE PROPERTY BOUNDARY (SUBWAY)

APPROXIMATE PROPERTY BOUNDARY (MC DONALDS)

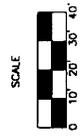
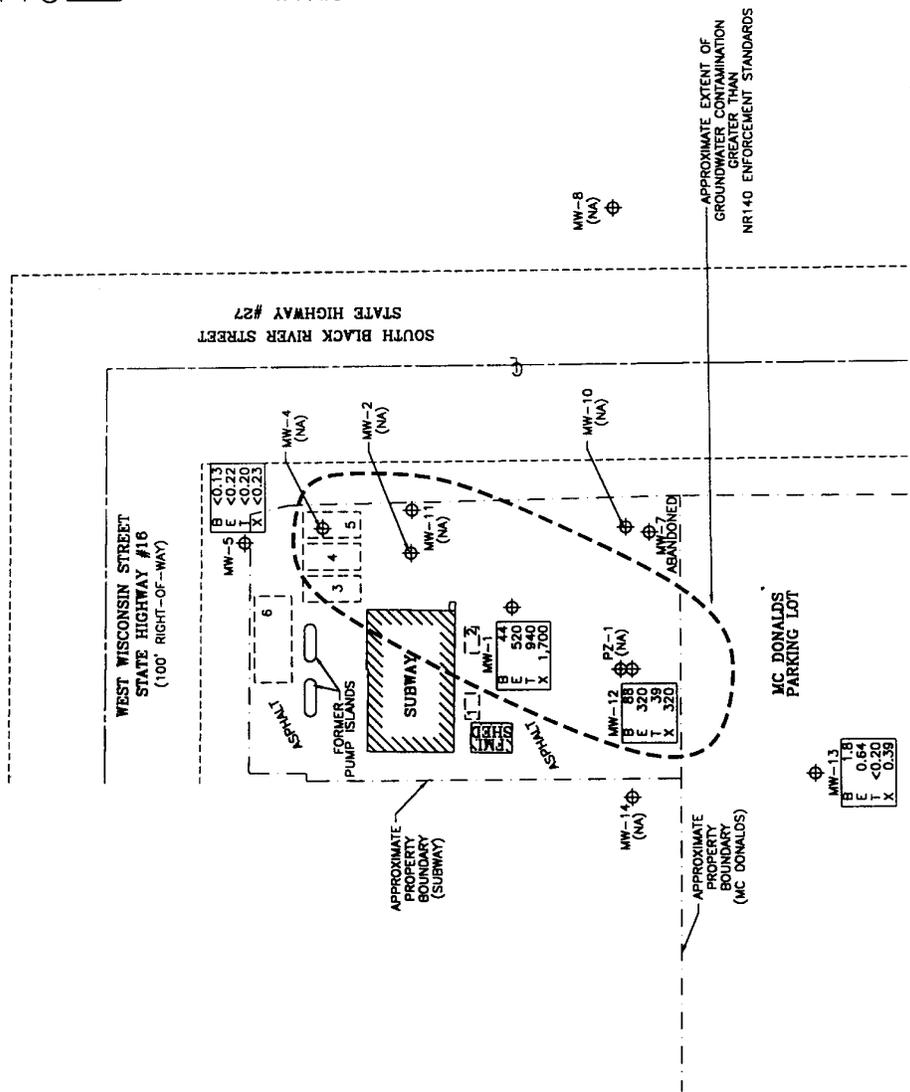
PROJECT NO. 2  
 GROUNDWATER CONTAMINANT DISTRIBUTION  
 (3/03/99)  
 RAU-CITGO QUIK STOP SITE  
 SPARTA, WISCONSIN



LEGEND  
 --- APPROXIMATE PROPERTY BOUNDARY  
 ⊕ MONITORING WELL  
 ⊕ PIEZOMETER  
 (NA) NOT ANALYZED

B	BENZENE
E	ETHYLBENZENE
T	TOLUENE
X	XYLENES

- TANK LEGEND
- FORMER 500-GALLON WASTE OIL UST
  - FORMER 500-GALLON WASTE OIL UST
  - FORMER 3,000-GALLON UNLEADED GASOLINE UST
  - FORMER 3,000-GALLON UNLEADED GASOLINE UST
  - FORMER 3,000-GALLON UNLEADED GASOLINE UST
  - FORMER 12,000-GALLON UNLEADED GASOLINE UST



B	<0.11
E	<0.22
T	<0.20
X	<0.23

B	0.11
E	0.22
T	0.20
X	0.23

B	0.11
E	0.22
T	0.20
X	0.23

B	0.11
E	0.22
T	0.20
X	0.23

B	0.11
E	0.22
T	0.20
X	0.23

B	0.11
E	0.22
T	0.20
X	0.23

B	0.11
E	0.22
T	0.20
X	0.23

B	0.11
E	0.22
T	0.20
X	0.23

B	0.11
E	0.22
T	0.20
X	0.23

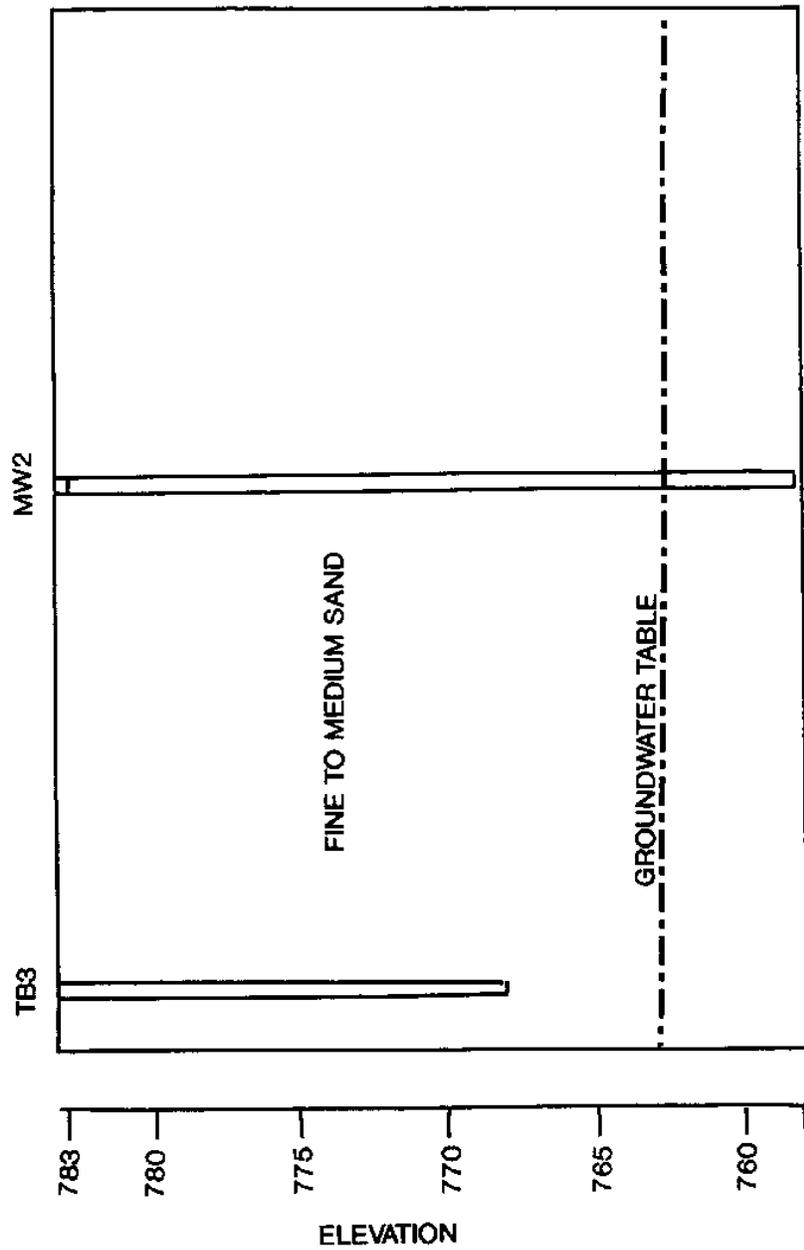
B	0.11
E	0.22
T	0.20
X	0.23

B	0.11
E	0.22
T	0.20
X	0.23

B	0.18
E	0.64
T	<0.20
X	0.38



THE INTERPRETATIONS IN THIS FIGURE ARE BASED ON KNOWN POINTS IN TIME AND SPACE AND ARE INTEGRAL TO A WRITTEN REPORT AND SHOULD BE REVIEWED IN THAT CONTEXT.

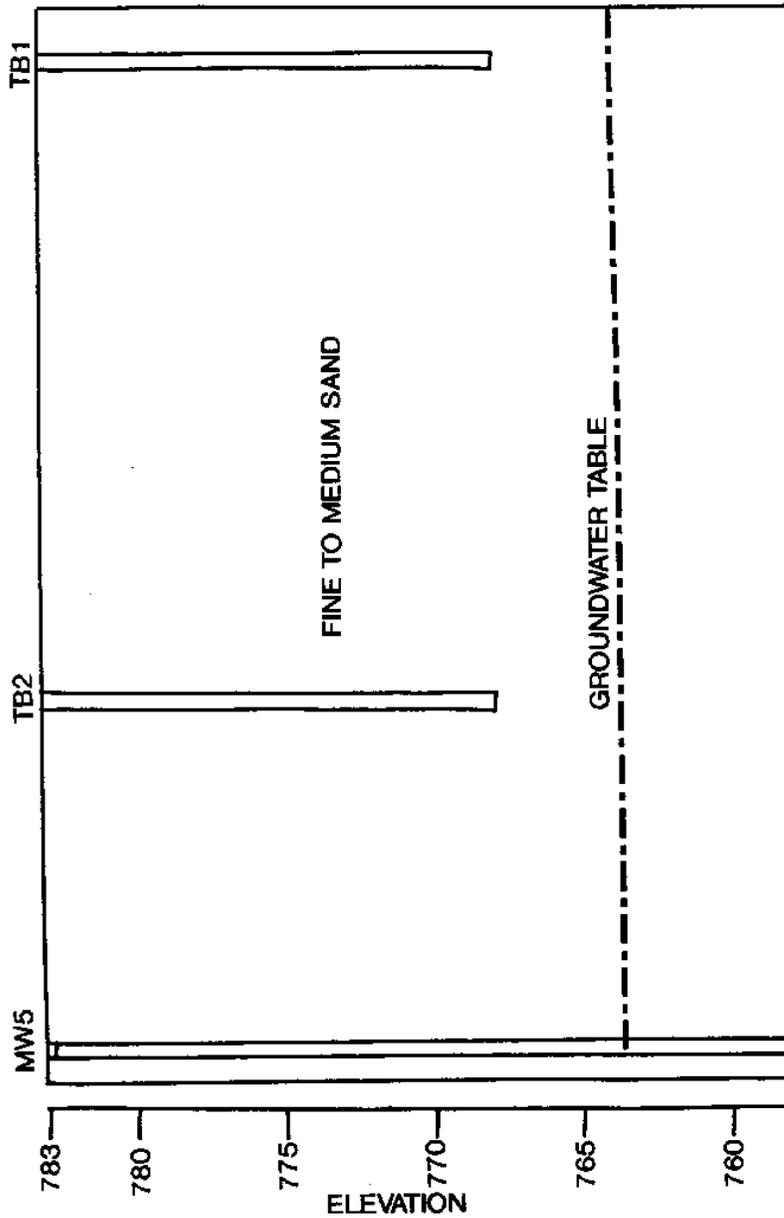


DRAWING NO. 90.16.8-10  
DRAWN BY: JH  
CHECKED BY: [Signature] 7/26/91  
APPROVED BY: [Signature] 7/26/91



FIGURE 4.1  
LITHOLOGIC CROSS SECTION

THE INTERPRETATIONS IN THIS FIGURE ARE BASED ON KNOWN POINTS IN TIME AND SPACE AND ARE INTEGRAL TO A WRITTEN REPORT AND SHOULD BE REVIEWED IN THAT CONTEXT.



DRAWING NO. 90-168-9 APPROVED BY: [Signature] 7/6/97  
 CHECKED BY: [Signature] 7/6/97  
 DRAWN BY: JH 6/20/97



FIGURE 4.2  
 LITHOLOGIC CROSS SECTION

**Table 2**  
**Groundwater Quality Analytical Results - MW-1**  
**Former Citgo Quik Stop Site**  
**Sparta, Wisconsin**

Date	Benzene	Ethylbenzene	Toluene	Total Xylenes	1,2,4-TMB	1,3,5-TMB	Naphthalene	MTBE	GRO
4/3/91	920	670	2,600	3,900	NA	NA	NA	<1.0	84
9/12/91	1,200	<100	3,300	4,600	1,000	420	NA	830	28,000
7/30/92	448	670	1,168	2,342	671	225	NA	97	NA
11/4/92	920	1,400	4,200	5,100	1,100	270	NA	110	NA
2/3/93	353	620	1,260	2,166	234	648	NA	80	NA
4/15/93	89	170	360	580	150	35	NA	25	2,000
8/18/93	120	100	12	180	92	41	NA	23	NA
11/4/93	540	120	110	470	210	82	NA	10	NA
3/10/94	220	230	240	690	230	210	NA	<3.0	NA
6/07/94	180	260	240	930	340	91	NA	<1.0	4,000
9/22/94	64	58	4.9	100	39	19	NA	<1.0	610
12/1/94	190	120	22	680	210	76	NA	<5.0	2,100
3/21/95	130	260	42	580	240	64	NA	2.2	2,500
6/21/95	21	44	4.4	120	46	13	NA	<1.0	440
9/20/95	11	15	1.9	27	8.9	2.7	NA	<2.0	150
12/5/95	4.1	10	1.3	5.3	17	5.3	NA	<1.0	150
2/27/96	0.6	3.3	1.4	6.7	1.7	<1.0	NA	<1.0	<50
6/4/96	4.3	10	<2.0	19	8.7	2.1	NA	<2.0	<100
9/25/96	45	230	11	370	230	52	NA	<2.0	2,500
12/11/96	17	81	<20	290	180	68	NA	<2.0	1,600
2/26/97	60	180	36	380	210	58	97	<0.32	1,800
6/19/97	110	500	110	1,300	670	200	240	<1.6	6,000
9/8/97	350	1,200	980	3,800	1,200	330	350	<1.6	14,000
12/9/97	190	1,000	1,800	3,500	940	260	320	<3.2	14,000
9/28/98	66	560	730	2,000	520	130	210	<1.6	6,600
12/2/98	100	940	1,800	3,600	740	190	340	<3.2	11,000
03/03/99	44	520	940	1,700	370	97	150	5.1	5,900
NR720 ES	5.0	700	343	620	96	40	60	NS	
NR720 PAL	0.5	140	68.6	124	480	8	12	NS	

Notes: All contaminant concentrations are expressed in ppb

GRO - gasoline range organics

MTBE - methyl t-butyl ether

TMB - trimethylbenzene

PAL - Preventive Action Limit

NA - not analyzed

NS - no standard

ES - Enforcement Standard

 Shading indicates value exceeds the enforcement standard

 Cross hatching indicates value exceeds the preventive action limit

Checked by: DGL

Approved by: MH

**Table 2**  
**Groundwater Quality Analytical Results - MW-2**  
**Former Citgo Quik Stop Site**  
**Sparta, Wisconsin**

Date	Benzene	Ethylbenzene	Toluene	Total Xylenes	1,2,4-TMB	1,3,5-TMB	Naphthalene	MTBE	GRO
4/3/91	21,000	250,000	485,000	100,000	NA	NA	NA	<1.0	2,270
9/12/91	610	2,800	7,500	13,100	4,600	1,400	NA	350	92,400
7/30/92	1,309	3,205	8,602	14,613	3,604	974	NA	60	NA
11/4/92	1,200	3,300	10,000	1,400	3,300	800	NA	<500	NA
2/3/93	2,060	3,430	10,800	14,210	813	3,040	NA	25	NA
4/15/93	990	1,700	4,500	8,400	2,800	760	NA	20	33,000
8/18/93	900	2,000	5,500	9,500	3,600	1,000	NA	<100	NA
11/4/93	1,100	1,400	4,100	2,400	1,900	630	NA	25	NA
3/10/94	1,600	2,200	7,800	11,000	2,400	600	NA	30	NA
6/7/94	920	1,400	6,700	6,600	1,200	290	NA	<100	26,000
9/22/94	290	620	2,500	3,100	550	160	NA	20	13,000
12/1/94	300	890	2,700	3,700	890	240	NA	<10	14,000
3/21/95	830	2,100	6,300	9,100	1,500	400	NA	<100	24,000
6/21/95	180	660	900	1,800	700	780	NA	<5.0	7,800
9/20/95	160	440	830	1,900	320	72	NA	<5.0	5,400
12/5/95	34	130	190	560	120	110	NA	<1.0	1,800
2/27/96	110	310	410	1,100	280	64	NA	50	3,200
6/4/96	35	150	180	500	91	20	NA	<5.0	1,500
9/25/96	260	1,000	1,300	4,200	970	240	NA	<10	14,000
12/11/96	180	240	460	780	200	47	NA	<5.0	3,800
2/26/97	140	450	930	2,500	980	270	310	<1.6	9,000
6/19/97	380	1,800	3,600	7,900	1,900	480	820	<16	28,000
9/8/97	400	2,500	5,300	11,000	2,200	490	810	<8.0	32,000
12/9/97	48	750	1,900	3,500	830	320	340	<3.2	13,000
9/28/98	<6.5	1,300	2,300	5,600	1,500	420	570	<8.0	19,000
12/2/98	<5.2	1,400	2,900	6,400	1,300	310	610	<6.4	18,000
NR720 ES	5.0	700	343	620	96		40	60	NS
NR720 PAL	0.5	140	68.6	124	480		8	12	NS

Notes: All contaminant concentrations are expressed in ppb

GRO - gasoline range organics

MTBE - methyl t-butyl ether

TMB - trimethylbenzene

PAL - Preventive Action Limit

NA - not analyzed

NS - no standard

ES - Enforcement Standard



Shading indicates value exceeds the enforcement standard



Cross hatching indicates value exceeds the preventive action

Checked by: *OGC*

Approved by: *DH*

**Table 2**  
**Groundwater Quality Analytical Results - MW-4**  
**Former Citgo Quik Stop Site**  
**Sparta, Wisconsin**

Date	Benzene	Ethylbenzene	Toluene	Total Xylenes	1,2,4-TMB	1,3,5-TMB	Naphthalene	MTBE	GRO
4/3/91	700	5,000	4,600	22,000	NA	NA	NA	<1.0	1,140
9/12/91	850	1,200	2,000	8,700	3,200	960	NA	240	54,200
7/30/92	211	1,813	3,168	12,208	3,599	989	NA	<1.0	NA
11/4/92	<50.0	1,100	1,400	8,400	2,200	550	NA	<50.0	NA
2/3/93	2.6	367	332	2,767	272	908	NA	<2.0	NA
4/15/93	<10.0	600	340	4,200	1,300	360	NA	<10.0	12,000
8/18/93	<10.0	340	98	3,000	1,300	340	NA	<10.0	NA
11/4/93	<10.0	230	28	2,200	1,100	300	NA	<10.0	NA
3/10/94	<5.0	160	12	1,300	500	160	NA	<5.0	NA
6/7/94	25	230	6,700	6,600	1,900	440	NA	<100	26,000
9/22/94	<5.0	74	<5.0	1,400	930	220	NA	<5.0	6,000
12/1/94	<5.0	110	<5.0	1,600	990	260	NA	<5.0	7,100
3/21/95	<200.0	<200.0	<200.0	2,700	1,600	490	NA	<200	17,000
6/21/95	<1.0	47	<1.0	480	210	54	NA	<1.0	2,100
9/20/95	<0.5	41	<1.0	600	260	63	NA	<1.0	2,100
12/5/95	0.98	<1.0	<1.0	230	230	<200	NA	<1.0	1,500
2/27/96	<5.0	16	<10	290	230	53	NA	<10.0	1,400
6/4/96	<0.5	<1.0	<1.0	12	15	4.4	NA	<1.0	90
9/25/96	4.3	28	<5.0	590	950	240	NA	<5.0	5,500
12/11/96	<2.5	<5.0	<5.0	270	920	230	NA	<5.0	4,400
2/26/97	4.5	9.1	4.3	160	480	170	65	<0.16	2,900
6/19/97	<1.3	16	1,500	350	1,500	440	190	<1.6	9,000
9/8/97	<17	20	<10	470	2,000	520	260	<8	11,000
12/9/97	2.1	5.3	1.1	120	280	76	50	<0.32	2,200
9/28/98	<1.3	4.5	<2.0	150	720	220	100	<1.6	4,500
12/2/98	<0.91	7.1	<1.0	180	890	260	140	<7.1	5,300
NR720 ES	5.0	700	343	620	96		40	60	NS
NR720 PAL	0.5	140	68.6	124	480		8	12	NS

Notes: All contaminant concentrations are expressed in ppb

GRO - gasoline range organics

MTBE - methyl t-butyl ether

TMB - trimethylbenzene

PAL - Preventive Action Limit

NA - not analyzed

NS - no standard

ES - Enforcement Standard

 Shading indicates value exceeds the enforcement standard

 Cross hatching indicates value exceeds the preventive action

Checked by: *AGL*

Approved by: *RLH*

**Table 2**  
**Groundwater Quality Analytical Results - MW-5**  
**Former Citgo Quik Stop Site**  
**Sparta, Wisconsin**

Date	Benzene	Ethylbenzene	Toluene	Total Xylenes	1,2,4-TMB	1,3,5-TMB	Naphthalene	MTBE	GRO
4/3/91	1.1	2.2	7.6	18.0	NA	NA	NA	<1.0	<5.0
9/12/91	2.8	<1.0	1.6	5.2	2.7	1.4	NA	<1.0	200
7/30/92	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	<1.0	NA
11/4/92	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	<1.0	NA
2/3/93	<2.0	<2.0	<2.0	2.4	<2.0	<2.0	NA	<2.0	NA
4/15/93	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	<1.0	<50
8/18/93	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	<1.0	NA
11/4/93	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	<1.0	NA
3/10/94	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	<1.0	NA
6/7/94	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	<1.0	<50
9/22/94	<1.0	<1.0	<1.0	<3.0	3.3	<1.0	NA	<1.0	<50
12/1/94	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	<1.0	<50
3/21/95	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	<1.0	<50
6/21/95	<1.0	<1.0	<1.0	<3.0	1.3	<1.0	NA	<1.0	<50
9/20/95	<0.5	<1.0	<1.0	<3.0	<1.0	<1.0	NA	<1.0	<50
12/5/95	<0.5	<1.0	<1.0	<3.0	<1.0	<1.0	NA	<1.0	<50
2/27/96	<0.5	<1.0	<1.0	<3.0	<1.0	<1.0	NA	<1.0	<50
6/4/96	<0.5	<1.0	<1.0	<3.0	<1.0	<1.0	NA	<1.0	<50
9/25/96	<0.5	<1.0	<1.0	<3.0	<1.0	<1.0	NA	<1.0	<50
12/11/96	<0.5	<1.0	<1.0	<3.0	<1.0	<1.0	NA	2.3	<50
2/26/97	<0.13	<0.22	<0.20	<0.23	<0.22	<0.29	<0.46	<0.16	57
6/19/97	<0.13	<0.22	<0.20	<0.23	<0.22	<0.23	0.52	<0.16	<50
9/8/97	<0.13	<0.22	<0.20	<0.23	0.24	<0.29	<0.46	<0.16	<50
12/9/97	<0.13	<0.22	<0.20	<0.23	0.28	<0.29	1.1	<0.16	<50
9/28/98	<0.13	<0.22	<0.20	<0.23	<0.22	<0.29	<1.1	<0.16	<50
03/03/99	<0.13	<0.22	<0.20	<0.23	<0.22	<0.29	<0.46	<0.16	<50
NR720 ES	5.0	700	343	620	96		40	60	NS
NR720 PAL	0.5	140	68.6	124	480		8	12	NS

Notes: All contaminant concentrations are expressed in ppb

GRO - gasoline range organics

MTBE - methyl t-butyl ether

TMB - trimethylbenzene

PAL - Preventive Action Limit

NA - not analyzed

NS - no standard

ES - Enforcement Standard

 Shading indicates value exceeds the enforcement standard

 Cross hatching indicates value exceeds the preventive action

Checked by: *AGL*

Approved by: *TWH*

**Table 2**  
**Groundwater Quality Analytical Results - MW-7**  
**Former Citgo Quik Stop Site**  
**Sparta, Wisconsin**

Date	Benzene	Ethylbenzene	Toluene	Xylene	1,2,4-TMB	1,3,5-TMB	Naphthalene	MTBE	GRO
4/13/91	WNI	WNI	WNI	WNI	WNI	WNI	WNI	WNI	WNI
9/21/91	<1.0	<1.0	<1.0	1.6	<1.0	<1.0	NA	8.1	<50
7/30/92	NA	NA	NA	NA	NA	NA	NA	NA	NA
11/4/92	NA	NA	NA	NA	NA	NA	NA	NA	NA
2/3/93	<2.0	<2.0	2.7	2.9	2.4	2.6	NA	<2.0	NA
Well Abandoned 8/93									
NR720 ES	5.0	700	343	620	96		40	60	NS
NR720 PAL	0.5	140	68.6	124	480		8	12	NS

Notes: All contaminant concentrations are expressed in ppb

GRO - gasoline range organics

MTBE - methyl t-butyl ether

TMB - trimethylbenzene

PAL - Preventive Action Limit

NA - not analyzed

NS - no standard

ES - Enforcement Standard

 Shading indicates value exceeds the enforcement standard

 Cross hatching indicates value exceeds the preventive action

Checked by: DGL

Approved by: JRH

**Table 2**  
**Groundwater Quality Analytical Results - MW-8**  
**Former Citgo Quik Stop Site**  
**Sparta, Wisconsin**

Date	Benzene	Ethylbenzene	Toluene	Xylene	1,2,4-TMB	1,3,5-TMB	Naphthalene	MTBE	GRO
4/13/91	WNI	WNI	WNI	WNI	WNI	WNI	WNI	WNI	WNI
9/21/91	1.7	<1.0	<1.0	1.8	<1.0	<1.0	NA	<1.0	<50
7/30/92	489	781	1,183	2,643	785	239	NA	61	NA
11/4/92	NA	NA	NA	NA	NA	NA	NA	NA	NA
2/3/93	1.3	2.3	13	14	3.6	<1.0	NA	<1.0	NA
4/15/93	120	23	13	35	16	8.2	NA	7.1	440
8/18/93	NA	NA	NA	NA	NA	NA	NA	NA	NA
11/4/93	14	9.2	<1.0	3.5	1.1	<1.0	NA	<1.0	NA
3/10/94	24	22	2.2	9.2	5.8	5.7	NA	4.7	NA
6/7/94	85	72	50	100	49	20	NA	<1.0	830
9/22/94	1,100	480	380	610	100	130	NA	<10	5,500
12/1/94	200	150	10	34	24	26	NA	<1.0	1.0
3/21/95	43	170	10	54	57	8.8	NA	3.3	1,000
6/21/95	3.6	37	1.8	7.5	6.6	1.5	NA	<1.0	220
9/20/95	13	46	37	99	22	7.3	NA	<3.0	440
12/5/95	8.3	40	16	56	21	6.1	NA	<5.0	360
2/27/96	NA	NA	NA	NA	NA	NA	NA	NA	NA
6/4/96	29	94	190	330	92	19	NA	<1.0	1,200
10/09/96	22	83	17	84	110	6.3	NA	<1.0	1,200
12/11/96	NA	NA	NA	NA	NA	NA	NA	NA	NA
2/26/97	10	91	84	190	69	17	64	<0.16	1,100
6/19/97	5.9	160	35	310	150	60	87	<0.32	2,000
9/8/97	<7.0	81	48	290	190	50	53	<0.32	1,700
12/9/97	3.4	84	49	430	220	63	62	<0.32	2,500
9/28/98	NA	NA	NA	NA	NA	NA	NA	NA	NA
NR720 ES	5.0	700	343	620	96		40	60	NS
NR720 PAL	0.5	140	68.6	124	480		8	12	NS

Notes: All contaminant concentrations are expressed in ppb

GRO - gasoline range organics

MTBE - methyl t-butyl ether

TMB - trimethylbenzene

PAL - Preventive Action Limit

NA - not analyzed

NS - no standard

ES - Enforcement Standard



Shading indicates value exceeds the enforcement standard



Cross hatching indicates value exceeds the preventive action

Checked by: DGL

Approved by: JRT

**Table 2**  
**Groundwater Quality Analytical Results - MW-10**  
**Former Citgo Quik Stop Site**  
**Sparta, Wisconsin**

Date	Benzene	Ethylbenzene	Toluene	Xylenes	1,2,4-TMB	1,3,5-TMB	Naphthalene	MTBE	GRO
Well installed 1-22-97									
2/26/97	8.5	23	0.59	11	2.4	7	38	<0.16	270
6/19/97	0.47	<0.22	<0.20	0.32	0.83	0.52	0.58	<0.16	<50
9/8/97	0.15	<0.22	0.42	0.25	<0.22	<0.29	<0.46	<0.16	<50
12/9/97	<0.13	<0.22	<0.20	0.47	0.49	<0.29	<0.46	<0.16	<50
9/28/98	<0.13	<0.22	<0.20	<0.23	<0.22	<0.29	<1.1	<0.16	<50
12/2/98	0.57	6.4	1.1	19	15	7.2	22	<0.16	190
NR720 ES	5.0	700	343	620	96		40	60	NS
NR720 PAL	0.5	140	68.6	124	480		8	12	NS

Notes: All contaminant concentrations are expressed in ppb

GRO - gasoline range organics

MTBE - methyl t-butyl ether

TMB - trimethylbenzene

PAL - Preventive Action Limit

NA - not analyzed

NS - no standard

ES - Enforcement Standard

 Shading indicates value exceeds the enforcement standard

 Cross hatching indicates value exceeds the preventive action

Checked by: *DGL*

Approved by: *MF*

**Table 2**  
**Groundwater Quality Analytical Results - MW-11**  
**Former Citgo Quik Stop Site**  
**Sparta, Wisconsin**

Date	Benzene	Ethylbenzene	Toluene	Xylenes	1,2,4-TMB	1,3,5-TMB	Naphthalene	MTBE	GRO
Well installed 1-22-97									
2/26/97	0.93	120	95	670	340	100	110	<1.6	3,500
6/19/97	<0.13	170	150	990	260	66	100	<0.16	2,900
9/8/97	<13	960	750	5,300	1,300	300	480	<1.6	15,000
12/9/97	<0.21	24	14	140	44	11	18	<0.16	630
9/28/98	<0.65	230	72	1,400	350	80	150	<0.80	4,100
12/2/98	<0.72	280	60	1,500	440	130	220	<2.0	4,700
NR720 ES	5.0	700	343	620	96		40	60	NS
NR720 PAL	0.5	140	68.6	124	480		8	12	NS

Notes: All contaminant concentrations are expressed in ppb

GRO - gasoline range organics  
 MTBE - methyl t-butyl ether  
 TMB - trimethylbenzene  
 PAL - Preventive Action Limit

NA - not analyzed  
 NS - no standard  
 ES - Enforcement Standard



Shading indicates value exceeds the enforcement standard



Cross hatching indicates value exceeds the preventive action

Checked by: DGL  
 Approved by: JRH

1600  
 55  
 430  
 570

**Table 2**  
**Groundwater Quality Analytical Results - MW-12, MW-13, MW-14, and PZ-1**  
**Former Citgo Quik Stop Site**  
**Sparta, Wisconsin**

Well	Date	Benzene	Ethylbenzene	Toluene	Xylenes	1,2,4-TMB	1,3,5-TMB	Naphthalene	MTBE	GRO
MW-12	5/5/98	140	840	280	2,100	740	190	NA	16	9,300
	9/28/98	73	480	40	730	610	230	230	<1.6	5,500
	12/2/98	25	92	4.1	120	110	33	75	0.49	1,200
	03/03/99	88	320	39	320	330	100	170	1.1	2,700
MW-13	9/28/98	0.67	0.34	0.49	0.76	0.27	<0.29	<1.1	<0.16	<50
	12/2/98	1.9	7.8	0.25	1.3	0.86	0.68	7.3	<0.16	58
	03/03/999	1.8	0.64	<0.20	0.39	<0.22	<0.29	<0.46	<0.16	<50
MW-14	9/28/98	0.33	0.27	0.28	0.91	0.36	0.39	<1.1	<0.16	<50
	12/2/98	<0.13	<0.22	<0.20	<0.23	<0.22	<0.29	0.66	<0.16	<50
PZ-1	9/28/98	0.22	0.23	0.48	1.3	0.60	<0.29	<1.1	<0.16	<50
	12/2/98	<0.13	<0.22	<0.20	<0.23	<0.22	<0.29	<0.46	<0.16	<50
NR720 ES Enforcement		5.0	700	343	620	96		40	60	NS
NR720 PAL		0.5	140	68.6	124	480		8	12	NS

Notes: All contaminant concentrations are expressed in ppb

GRO - gasoline range organics

MTBE - methyl t-butyl ether

TMB - trimethylbenzene

PAL - Preventive Action Limit

NA - not analyzed

NS - no standard

ES - Enforcement Standard

 Shading indicates value exceeds the enforcement standard

 Cross hatching indicates value exceeds the preventive action

Checked by: *OG*

Approved by: *MF*



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor  
George E. Meyer, Secretary  
Scott A. Humrickhouse, Regional Director

West Central Region Headquarters  
1300 W. Clairemont Avenue  
PO Box 4001  
Eau Claire, Wisconsin 54702-4001  
Telephone 715-839-3700  
FAX 715-839-6076  
TDD 715-839-2786

May 11, 1999

DNR ID #03-42-000450  
Monroe County

Mr. John Rau  
1796 Seagrove Drive  
Vero Beach, Florida 32963

**SUBJECT: FORMER CITGO QUIK STOP - Sparta**  
Conditional Closure Approval

Dear Mr. Rau:

On October 25, 1990, the Department of Natural Resources provided a notice to you that the degree and extent of petroleum contamination at the above-referenced site was required to be investigated and remediated. We have since been informed that the required investigation and remediation has been accomplished to the extent practicable.

On May 6, 1999, the above-named site was reviewed by the West Central Region Closeout Committee for a determination as to whether or not the case qualified for close out under ch. NR 726, Wis. Adm. Code.

Based on the investigative and remedial documentation provided to the Department, it appears that the petroleum soil and groundwater contamination at the above-referenced site has been remediated to the extent practicable. Therefore, the Department considers the case "conditionally closed," having determined that no further action is necessary on the site at this time if the following conditions are met:

1. Due to the fact that the latest groundwater analytical results indicate exceedances of chapter NR 140, Wisconsin Administrative Code, enforcement standards on the above-referenced property, a groundwater use restriction which meets the requirements of section NR 726.05(8)(am), Wis. Adm. Code, must be recorded with the County Register of Deeds within 30 days of the effective date of this letter.
2. The Department's closure approval is also contingent on the proper abandonment of the groundwater monitoring wells associated with this site, in accordance with ch. NR 141, Wis. Adm. Code.

A copy of the model deed restriction is enclosed for your information. After the deed restriction has been drafted, please send or fax it to me and I will have it reviewed by Department legal staff. Following our review I will contact you to let you know how to proceed. You will then be required to file it with the County Register of Deeds and provide this office with a notarized copy within 15 days after the County Register of Deeds returns the deed restriction to you.

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Through Excellent Customer Service*



To document that condition 2, above, has been complied with, you must submit to the Department a copy of the completed Well/Drillhole/Borehole Abandonment Forms 3300-5B (Revised 8-89) once this task has been completed.

In addition, the most recent groundwater monitoring data at this site indicates an exceedance of the ch. NR 140 preventive action limit (PAL) for benzene (MW-13), but compliance with the ch. NR 140 enforcement standard (ES). The Department may grant an exemption pursuant to s. NR 140.28(2), Wis. Adm. Code if the following criteria are met:

1. The anticipated increase in the concentrations of benzene and naphthalene will be minimized to the extent technically and economically feasible.
2. Compliance with the PAL is either not technically or economically feasible.
3. The enforcement standards for benzene will not be attained or exceeded at the point of standards application.
4. Any increase in the concentration of benzene above background does not present a threat to public health or welfare.

The Department feels that the above criteria have been met or will be met because of the remediation which has occurred at this site. Therefore, pursuant to s. NR 140.28, Wis. Admin. Code, an exemption for benzene is granted. This letter serves as your exemption.

Upon receipt of the recorded deed restriction and the completed well abandonment forms, the Department will assign a final closure status to this site. The deed restriction may be amended in the future with the approval of DNR if conditions change at the site and the residual contamination is remediated.

I appreciate your concern and cooperation in this matter. Should you have additional questions related to this matter, please feel free to contact me at (715) 839-1604.

Sincerely,

  
Wendy Anderson  
Engineer

enc. model water use deed restriction

c: FILE

Lori Huntoon, Dept. of Commerce, P.O. Box 7838, Madison, WI 53707-7838  
Dale Ziege, RR/3  
Steve Karklins, DG/2  
Dirk Schulze-Makuch, Envirogen, 1285 Rudy Street, Onalaska, WI 54650



**State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES**

Tommy G. Thompson, Governor  
George E. Meyer, Secretary  
Scott A. Humrickhouse, Regional Director

West Central Region Headquarters  
1300 W. Clairemont Avenue  
PO Box 4001  
Eau Claire, Wisconsin 54702-4001  
Telephone 715-839-3700  
FAX 715-839-6076  
TDD 715-839-2786

July 27, 1999

BRRTS #03-42-000450  
Monroe County

Mr. John Rau  
1796 Seagrove Drive  
Vero Beach, FL 32963

**SUBJECT: FORMER CITGO KWIK STOP - Sparta**  
Final Case Closure

Dear Mr. Rau:

On May 6, 1999, the above-named site was reviewed by the West Central Region Closeout Committee for a determination as to whether or not the case qualified for close out under ch. NR 726, Wis. Adm. Code.

Based on the investigative and remedial documentation which you provided to the Department, the Department granted conditional closure status to the site, contingent upon your placement of a deed restriction on the property and proper abandonment of all monitoring and remediation wells. On July 14, 1999, the Department received a copy of the recorded deed restriction and documentation of proper abandonment of all monitoring and remediation wells in correspondence received from Envirogen. Therefore, the Department considers the case "closed," having determined, pursuant to ch. NR 726, Wis. Adm. Code, that no further action is necessary at the site.

I appreciate your concern and cooperation in this matter. If you should have additional questions related to this matter please feel free to contact me at (715) 839-1604.

Sincerely,

Mae Willkom  
for Wendy Anderson, Engineer

c: Lori Huntoon, Dept. of Commerce, P.O. Box 7838, Madison, WI 53707-7838  
Dale Ziege, RR/3  
FILE  
Steve Karklins, DG/2  
Dirk Schulze-Makuch, Envirogen, 1285 Rudy Street, Onalaska, WI 54650

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Through Excellent Customer Service*

