

**GIS REGISTRY INFORMATION**

**SITE NAME:** EXPRESS CONVENIENCE CENTER #6

**BRRTS #:** 03-45-002180

**CLOSURE DATE:** 06/06/2002

**STREET ADDRESS:** 420 S. WASHINGTON STREET

**CITY:** KIMBERLY

**SOURCE PROPERTY GPS COORDINATES** (meters in WTM91 projection): X= 653728 Y= 422828

**OFF-SOURCE CONTAMINATION (>ES):**  Yes  No

**IF YES, STREET ADDRESS 1:** \_\_\_\_\_

**GPS COORDINATES** (meters in WTM91 projection): X= \_\_\_\_\_ Y= \_\_\_\_\_

**SOIL CONTAMINATION >GENERIC OR SITE-SPECIFIC RCL:**  Yes  No

**IF YES, STREET ADDRESS 1:** Same as above

**GPS COORDINATES** (meters in WTM91 projection): X= \_\_\_\_\_ Y= \_\_\_\_\_

**IF YES, STREET ADDRESS 2:** \_\_\_\_\_

**GPS COORDINATES** (meters in WTM91 projection): X= \_\_\_\_\_ Y= \_\_\_\_\_

**CONTAMINATION IN RIGHT OF WAY:**  Yes  No

**DOCUMENTS NEEDED:**

- Closure Letter, and any conditional closure letter issued**
- Copy of most recent deed, including legal description, for all affected properties**
- Certified survey map or relevant portion of the recorded plat map (if referenced in the legal description) for all affected properties**
- County Parcel ID number, if used for county, for all affected properties**
- Location Map** which outlines all properties within contaminated site boundaries on USGS topographic map or plat map in sufficient detail to permit the parcels to be located easily (8.5x14" if paper copy). If groundwater standards are exceeded, the map must also include the location of all municipal and potable wells within 1200' of the site.
- Detailed Site Map(s) for all affected properties**, showing buildings, roads, property boundaries, contaminant sources, utility lines, monitoring wells and potable wells. (8.5x14", if paper copy) This map shall also show the location of all contaminated public streets, highway and railroad rights-of-way in relation to the source property and in relation to the boundaries of groundwater contamination exceeding ch. NR 140 ESs and soil contamination exceeding ch. NR 720 generic or site-specific residual contaminant levels.
- Tables of Latest Groundwater Analytical Results (no shading or cross-hatching)**
- Tables of Latest Soil Analytical Results (no shading or cross-hatching)**

**Isoconcentration map(s), if required for site investigation (SI)** (8.5x14" if paper copy).  
The isoconcentration map should have flow direction and extent of groundwater contamination defined. **If not available, include the latest extent of contaminant plume map.**

**GW: Table of water level elevations, with sampling dates, and free product noted if present**

**GW: Latest groundwater flow direction/monitoring well location map (should be 2 maps if maximum variation in flow direction is greater than 20 degrees)**

**SOIL: Latest horizontal extent of contamination exceeding generic or site-specific RCLs, with one contour.**

**Geologic cross-sections, if required for SI.** (8.5x14' if paper copy)

**RP certified statement that legal descriptions are complete and accurate**

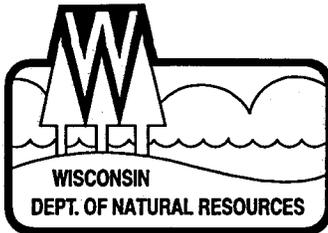
**Copies of off-source notification letters (if applicable)**

**Letter informing ROW owner of residual contamination (if applicable)**(public, highway or railroad ROW)

**Copy of (soil or land use) deed restriction(s) or deed notice if any required as a condition of closure.**

X
X
X
X

File Copy



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Scott McCallum, Governor  
Darrell Bazzell, Secretary  
Ronald W. Kazmierczak, Regional Director

Oshkosh Service Center  
625 East County Road Y, STE 700  
Oshkosh, Wisconsin 54901-9731  
TELEPHONE 920-424-3050  
FAX 920-424-4404

June 6, 2002

Mr. Tim Schmidt  
US Oil  
425 S Washington Street  
PO Box 25  
Combined Locks, WI 54113

SUBJECT: Closure Approval, with Deed Restriction  
Express Convenience Center #06  
WDNR# 03-45-002180, Kimberly, Wisconsin

Dear Mr. Schmidt:

Your site as described above was reviewed for closure by the Department of Natural Resources. The Department reviews environmental remediation cases for compliance with state laws and standards to maintain consistency in the closure of these cases. On January 12, 2001, conditional closure was granted to this case.

On May 31, 2002, the Department received correspondence indicating that you have complied with the conditions of closure. Based on the correspondence and data provided, it appears that your case has been remediated to Department standards in accordance with s. NR 726.05, Wis. Adm. Code. The Department considers this case closed and no further investigation, remediation or other action is required at this time.

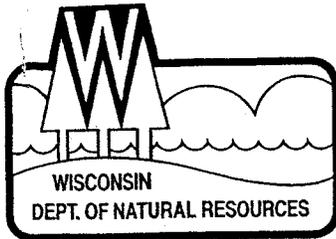
Please be aware that this case may be reopened pursuant to s. NR 726.09, Wis. Adm. Code, if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety or welfare, or the environment.

The Department appreciates your efforts to restore the environment at this site. If you have any questions regarding this letter, please contact me at 920-303-5435.

Sincerely,

Cheryl Laatsch  
Hydrogeologist  
Bureau for Remediation & Redevelopment





State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Scott McCallum, Governor  
Darrell Bazzell, Secretary  
Ronald W. Kazmierczak, Regional Director

Shawano DNR  
647 Lakeland Road  
Shawano, Wisconsin 54166  
Telephone 715-524-2183  
FAX 715-524-3214

July 11, 2001

U.S. Oil Co. Inc.  
Attn: Tim Schmidt  
425 S. Washington St.  
Combined Locks, WI 54113

**COPY**

SUBJECT: Conditional Case Closure for Express Convenience Center #6 (Kimberly Express), 424 S. Washington St., Kimberly, WI 54136  
WDNR BRRTS Case #: 03-45-002180

Dear Mr. Schmidt:

The Bureau for Remediation and Redevelopment's Northeast Region Closure Committee has completed a review of the above referenced contamination case and has approved it for closure. Your case closure letter has the following three significant parts:

1. General case closure criteria.
2. Performance Standard
3. Groundwater Use Deed Restriction

Please read this entire letter. It addresses each of these topics in general.

1. General Case Closure

The case closure panel reviews environmental remediation cases for compliance with state laws, standards, and guidelines to maintain consistency in the closeout of cases. At the present time, it appears that actions have been taken to the extent practicable to restore the environment and minimize the harmful effects from this discharge to the air, lands and waters of this state. Please be aware that this letter does not absolve the current or any future owner of this property from future decisions regarding this site or impacts which may be discovered and/or traced back to past or future activities at this site. If additional information in the future indicates that further investigation or cleanup is warranted, the Department will require that appropriate action be taken at that time.

2. Deed Notice of Performance Standard

The data and other information submitted suggest that the pavement is functioning as an effective barrier to infiltration through the vadose zone and preventing additional petroleum contamination to the groundwater. As a result, the Department is requiring that this barrier be maintained until it has been shown that it is no longer necessary to prevent additional sources of petroleum from entering the groundwater. The Department is also requiring that a notice of this performance standard and maintenance requirements be attached to the property deed. You will also need to

publish a Class I public notice of this performance standard as required by Wisconsin Administrative Code NR 714.07(5).

### 3. Deed Notice of Remaining On-site Groundwater Contamination

The most recent groundwater monitoring data at this site indicates an exceedence of the NR 140 Enforcement Standard on the site at Monitoring Well 4 (MW-4) for Benzene at 13,000 micrograms per liter (ug/L), Toluene at 5,100 micrograms per liter, Methyl-tert-Butyl-Ether at 3,700 micrograms per liter, and Naphthalene at 150 micrograms per liter. However, monitoring data indicates that natural attenuation will remediate the remaining contamination in a reasonable period of time. As a condition of closure the Department is requiring that a groundwater use restriction be placed on the property deed indicating this condition and special requirements that will be necessary to construct a well on the property.

Please send me the following information:

1. A copy of the current property deed as filed with the Outagamie County Register of Deeds. The deed must have a detailed property description and the name of the current property owner. A certified survey map, if available, should also be submitted.
2. A map, delineating the paved area for attachment to the deed document.
3. A description of inspection and maintenance procedures that will be implemented to insure the integrity of the cap.
4. A copy of the Class 1 Public notice, with verification of publication.

I will prepare the groundwater use restriction and notice of the performance standard based on this information and return it to the appropriate person for filing at the register of deeds office. Please note that the current property owner or authorized representative must file the notice.

The Department appreciates the actions you have undertaken to restore the environment at this site. This case will appear as closed on the Department's case tracking system after our receipt of: 1) documentation that a Class I public notice has been published and 2) documentation that the deed document has been filed and 3) monitoring well abandonment forms (Form 3300-5B).

If you have questions, please contact me at 715-526-4230.

Sincerely,



Tom Sturm  
Hydrogeologist  
Bureau for Remediation & Redevelopment

cc: SIGMA Environmental Services, Inc., 1800 W. Rogers Ave., Appleton, WI 54914-5001



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

WHEREAS, construction of wells where the water quality does not comply with drinking water standards in ch. NR 809 is restricted by chs. NR 811 and NR 812, Wis. Adm. Code. Special well construction standards or water treatment requirements, or both, or well construction prohibitions may apply.

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 its successor agency, to determine what specific requirements are applicable, prior to constructing or reconstructing a well on this property. No well may be constructed on this property unless applicable requirements are met.

If construction is proposed on this property that will require dewatering, or if groundwater is to be otherwise extracted from this property, while this groundwater use restriction is in effect, the groundwater shall be sampled and analyzed for contaminants that were previously detected on the property and any extracted groundwater shall be managed in compliance with applicable statutes and rules.

The following activities are prohibited on that portion of the property where a cap or cover has been placed and indicated on Attachment 3, incorporated and made part of this restriction, unless prior written approval has been obtained from the Wisconsin Department of Natural Resources or its successor or assigned: (1) Excavating or grading of the land surface; (2) Filling on the capped area; (3) Plowing for agricultural cultivation; (4) Construction or installation of a building or other structure with a foundation that would sit on or be placed within the cap or cover; (5) and any other activity that would decrease the effectiveness of the impervious barrier. In addition, the cap or cover shall be maintained in compliance with a plan prepared and submitted to the Wisconsin Department of Natural Resources by a responsible party, as required by section NR 724.13(2), Wis. Adm. Code (1997).

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. The 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 one or more of the restrictions set forth in this covenant is no longer required. Upon the 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, attached to a copy of the Department's written determination, may be recorded to give notice that this deed restriction, or portions of this deed restriction, are no longer binding.

By signing this document, Marjorie M. Young asserts that ~~he~~ she is duly authorized to sign this document on behalf of U.S. Oil Co., Inc.

IN WITNESS WHEREOF, the owner of the property has executed this Declaration of Restrictions, this 15<sup>th</sup> day of April, 2002.

Signature: Marjorie M. Young  
Printed Name: Marjorie M. Young  
Title: General Counsel

Subscribed and sworn to before me  
this 15<sup>th</sup> day of April, 2002.

Emily N. Kaur  
Notary Public, State of WI  
My commission 8/11/02

This document was drafted by the Wisconsin Department of Natural Resources through information provided by SIGMA Environmental Services, Inc., 1800 W. Rogers Ave., Appleton, WI 54914-5001

800181

J 2886 I 33

WARRANTY DEED—To Corporation  
STATE OF WISCONSIN—FORM 4  
THIS STATE REGISTERED FOR RECORD IN THE  
REGISTER'S OFFICE  
OUTAGAMIE COUNTY, WI.  
RECEIVED AND RECORDED ON

JUL 24 1981

AT 2 O'CLOCK P.M.  
IN JACKET 286 IMAGE 33  
D. J. Burns  
REGISTER OF DEEDS ml

RETURNED DANIEL J. BURNS, JR.  
ATTORNEY AT LAW  
410 West Kimberly Avenue  
Kimberly, Wisconsin 54136

THIS INDENTURE, Made this 20th day of June  
A. D. 1981, between Richard S. De Bruin and Grace A. De  
Bruin, his wife, and in her own right

part 123 of the first part and  
Petroleum Real Co., Inc

a Corporation  
located and existing under and by virtue of the laws of the State of Wisconsin, located  
Kimberly Wisconsin, party of the second part.

That the said part 123 of the first part, for and in consideration  
of the sum of One (\$1,000) dollar and other good and valuable  
consideration

to them in hand paid by the said party of the second part, the receipt whereof is hereby  
acknowledged, have given, granted, bargained, sold, remised, released, aliened, conveyed and confirmed, and by these presents  
give, grant, bargain, sell, remise, release, alien, convey and confirm unto the said party of the second part, its successors and assigns  
forever, the following described real estate situated in the County of Outagamie and State of Wisconsin, to-wit:  
Commencing at a point where the South line of the Chicago and Northwestern Railroad  
intersects the center line of the Buchanan Road, thence South along the centerline  
of Buchanan Road 174 feet to the point of beginning, thence continuing South along  
the center line of Buchanan Road 165 feet; thence West on a line parallel with the  
North line of Edward Lamers Farm 205 feet; thence North on a line parallel with  
the Buchanan Road 165 feet to a point; thence Easterly 205 feet to the place of  
commencement. Being part of Government Lot Six (6), Section Twenty-six (26),  
Township Twenty-one (21) North, Range Eighteen (18) East, Town of Buchanan, Outagamie  
County, Wisconsin, now being a part of the Village of Kimberly, Outagamie County,  
Wisconsin.

Subject to conditions, covenants, easements and restrictions of record. TRANSFER  
\$ 45.00  
FEE

Together with all and singular the hereditaments and appurtenances thereunto belonging or in any wise appertaining; and all the estate  
right, title, interest, claim or demand whatsoever, of the said part 123 of the first part, either in law or equity, either in possession or expectancy  
of, in and to the above bargained premises, and their hereditaments and appurtenances.  
To Have and To Hold the said premises as above described with the hereditaments and appurtenances unto the said party of the  
second part, and to its successors and assigns FOREVER.  
And the said Richard S. De Bruin and Grace A. De Bruin, his wife

for themselves, their heirs, executors and administrators, do covenant, grant, bargain and agree to and  
with the said party of the second part, its successors and assigns, that at the time of the encasing and delivery of these presents, they are  
well seized of the premises above described, as of a good, sure, perfect, absolute and indefeasible estate of inheritance in the law, in fee simple,  
and that the same are free and clear from all incumbrances whatever, none

and that the above bargained premises in the quiet and peaceable possession of the said party of the second part, its successors and assigns,  
against all and every person or persons lawfully claiming the whole or any part thereof, they will forever WARRANT AND DEFEND.  
In Witness Whereof, the said part 123 of the first part have hereunto set their hand s and seal s this 20th  
day of June, A. D. 1981.

SIGNED AND SEALED IN PRESENCE OF  
Ione H. Dorn  
Daniel J. Burns, Jr.

x Richard S. De Bruin (SEAL)  
Richard S. De Bruin  
x Grace A. De Bruin (SEAL)  
Grace A. De Bruin, his wife  
(SEAL)  
(SEAL)

STATE OF WISCONSIN, } ss.  
Outagamie County, }  
Personally came before me, this 20th day of June, A. D. 1981,  
the above named Richard S. De Bruin and Grace A. De Bruin, his wife  
to me known to be the person s who executed the foregoing instrument and acknowledged the same.

Daniel J. Burns, Jr.  
Notary Public Outagamie County, Wis.  
My Commission (363)(6) (1s) permanent  
This instrument drafted by  
Daniel J. Burns, Jr., Atty.  
Kimberly, Wisconsin 54136



(Section 59.51 (f) of the Wisconsin Statutes provides that all instruments to be recorded shall have plainly printed or typewritten thereon the names of the grantors, grantees, witnesses and

B-4		
DEPTH	0.5'-2.0'	6'-8'
DRO (mg/kg)	NA	NA
GRO (mg/kg)	[6,560]	<5.9
BENZENE	[77.3]	<0.030
ETHYLBENZENE	156	<0.030
TOLUENE	913	0.055
TOTAL XYLENES	554	0.123
MTBE	16.9	<0.030

B-3		
DEPTH	5'-7'	
DRO (mg/kg)	10.0	
GRO (mg/kg)	<0.36	
MTBE	81	

GP-8		
DEPTH	6'-8'	
DRO (mg/kg)	<5.0	
GRO (mg/kg)	<5.0	
PVOC's	ND	

GP-1		
DEPTH	8'-10'	
DRO (mg/kg)	5.42	
GRO (mg/kg)	<5.0	
PVOC's	ND	

GP-7		
DEPTH	8'-10'	
DRO (mg/kg)	<5.0	
GRO (mg/kg)	<5.0	
PVOC's	ND	

GP-2		
DEPTH	6'-8'	
DRO (mg/kg)	<5.0	
GRO (mg/kg)	<5.0	
PVOC's	ND	

B-2		
DEPTH	7'-9'	
DRO (mg/kg)	<2.7	
GRO (mg/kg)	<0.36	
PVOC's	ND	

B-1		
DEPTH	11'-13'	
DRO (mg/kg)	<2.7	
GRO (mg/kg)	0.72	
PVOC's	ND	

GP-6		
DEPTH	4'-6'	
DRO (mg/kg)	<5.0	
GRO (mg/kg)	<5.0	
PVOC's	ND	

GP-5		
DEPTH	10'-12'	
DRO (mg/kg)	<5.0	
GRO (mg/kg)	<5.0	
PVOC's	ND	

GP-4		
DEPTH	6'-8'	
DRO (mg/kg)	<5.0	
GRO (mg/kg)	<5.0	
PVOC's	ND	

GP-3		
DEPTH	8'-10'	
DRO (mg/kg)	<5.0	
GRO (mg/kg)	<5.0	
PVOC's	ND	

HA1 - HA8	HA1	HA2	HA3	HA4	HA5	HA6	HA7	HA8
DEPTH	6'	5'	2'	1'	5'	3'	2'	2'
GRO (mg/kg)	14	[5,700]	[1,600]	[150]	0.54	[320]	31	37
BENZENE	[400]	[110,000]	[13,000]	[95]	<20	[1,000]	[66]	[670]
ETHYLBENZENE	470	[160,000]	[19,000]	936	<12	[7,600]	72	1,000
TOLUENE	1,100	<2,300	[74,000]	430	<11	1,100	700	500
TOTAL XYLENES	1,900	[1,060,000]	[167,000]	[4,600]	<39	[22,000]	114	[8,700]
MTBE	<21	<4,200	<2,100	100	<21	<1,100	<21	<110

LEGEND	
○	MONITORING WELL LOCATION
●	HAND AUGER BORING LOCATION
⊕	GEOPROBE BORING LOCATION
---	PROPERTY LINE
---	UNDERGROUND WATER LINE
---	UNDERGROUND GAS LINE
---	UNDERGROUND ELECTRIC LINE
---	OVERHEAD ELECTRIC LINE
---	UNDERGROUND FIBER OPTIC LINE
---	DIESEL / GASOLINE UST LOCATION

ANALYTICAL KEY	
GRO	GASOLINE RANGE ORGANICS
DRO	DIESEL RANGE ORGANICS
MTBE	METHYL-TERT-BUTYL-ETHER
PVOC's	POLYNUCLEAR VOLATILE ORGANIC COMPOUNDS
[ ]	CONCENTRATION EXCEEDS HRT20 ENFORCEMENT STANDARD
ND	NOT DETECTED
NA	NOT ANALYZED
ALL CONCENTRATIONS EXPRESSED IN MICROGRAMS PER KILOGRAM (ug/kg) UNLESS NOTED	



NOTE:  
MAP BASED ON SURVEY BY CAROL  
SURVEYING OF APPLETON, WISCONSIN.

EXPRESS CONVENIENCE CENTER #06

424 S. WASHINGTON STREET, KIMBERLY, WI



DATE: 1-29-97

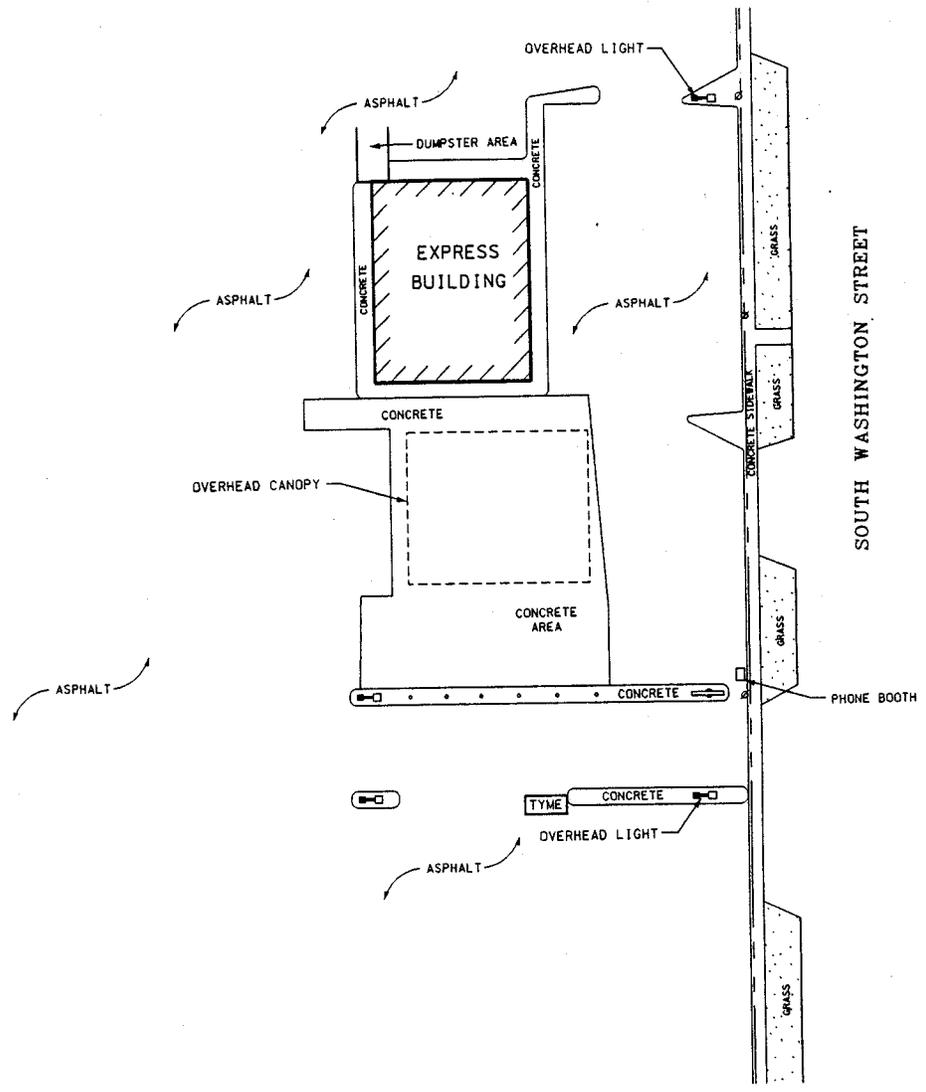
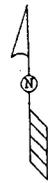
DR. BY: BEB

DR.# 3234-009

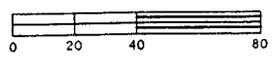
SCALE: 1" = 40'

SOIL QUALITY MAP

FIGURE 2



**LEGEND**  
- - - - - PROPERTY LINE



NOTE:  
MAP BASED ON SURVEY BY CAROW  
SURVEYING OF APPLETON, WISCONSIN.

EXPRESS CONVENIENCE CENTER #06			 ENVIRONMENTAL SERVICES INC.
424 S. WASHINGTON STREET, KIMBERLY, WI			
DATE: 7-24-01	DR. BY: BEB	DR.# 4019-011	SCALE: 1" = 40'
SITE PLAN MAP			FIGURE 1

Inspection/Maintenance Procedures  
424 S. Washington St. Kimberly WI  
WDNR BRRTS Case #: 03-45-002180

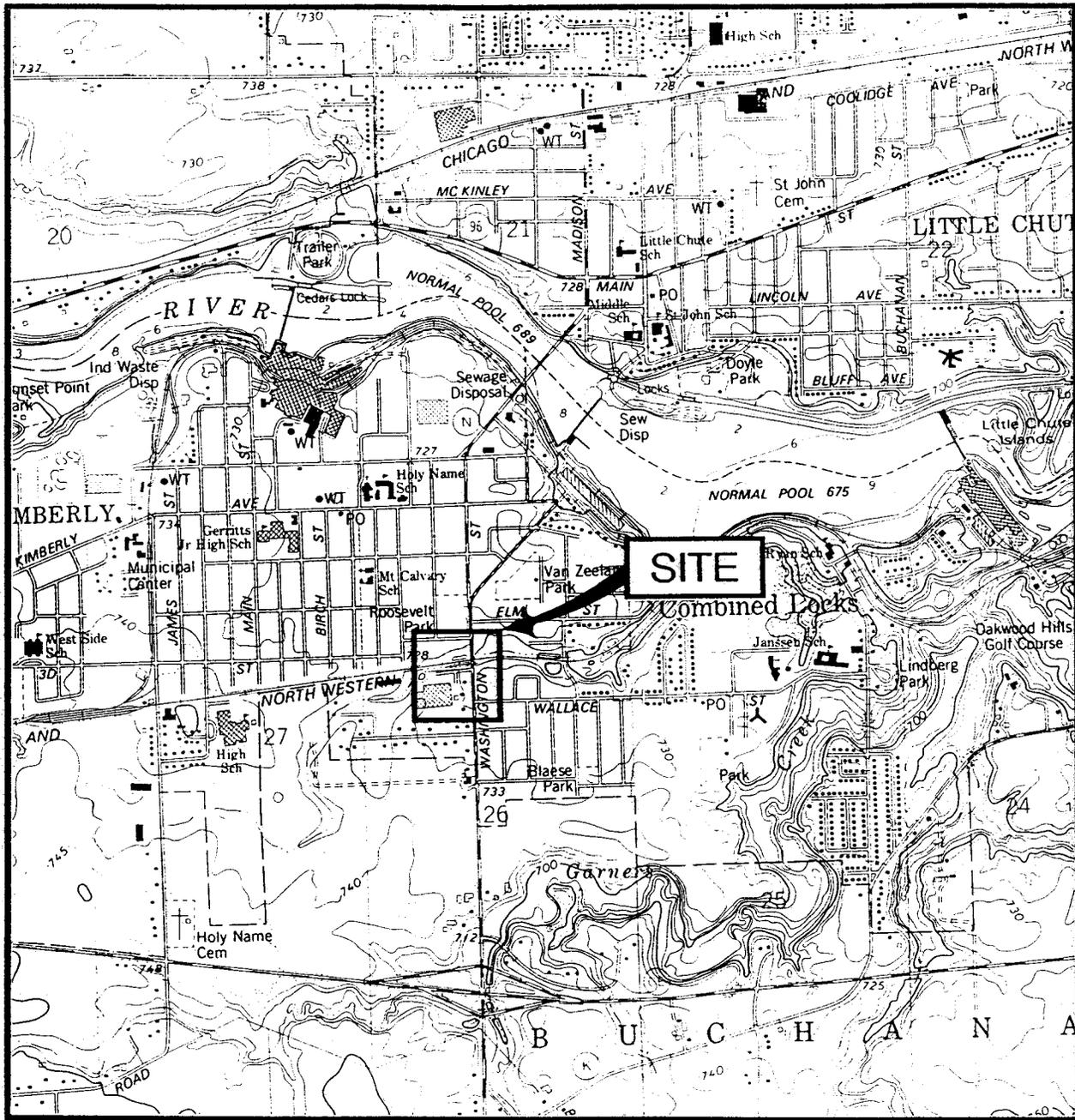
Data and other information suggest that the pavement is currently functioning as an effective barrier to infiltration and preventing additional petroleum contamination to the groundwater.

The current condition of the pavement in the immediate vicinity of Monitoring Well 4 (MW4) will be documented through photographs.

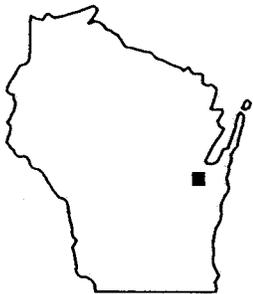
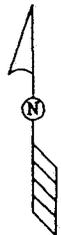
The pavement in the immediate vicinity of MW4 will be inspected annually and whatever corrective actions are needed to maintain the pavement in the same general condition that currently exists will be taken.

Need  
PUBLICISED  
COPY  
FROM  
PAPER

F 11



W 1/2 Sec. 26 T. 21N R. 18E



WISCONSIN

ADAPTED FROM U.S.G.S. 7.5 MINUTE SERIES, KAUKAUNA, WISCONSIN QUADRANGLE DATED 1974 PHOTOREVISED 1984

EXPRESS CONVENIENCE CENTER #06

424 S. WASHINGTON STREET, KIMBERLY, WI

**SIGMA**  
ENVIRONMENTAL SERVICES INC.

DATE: 2-4-97

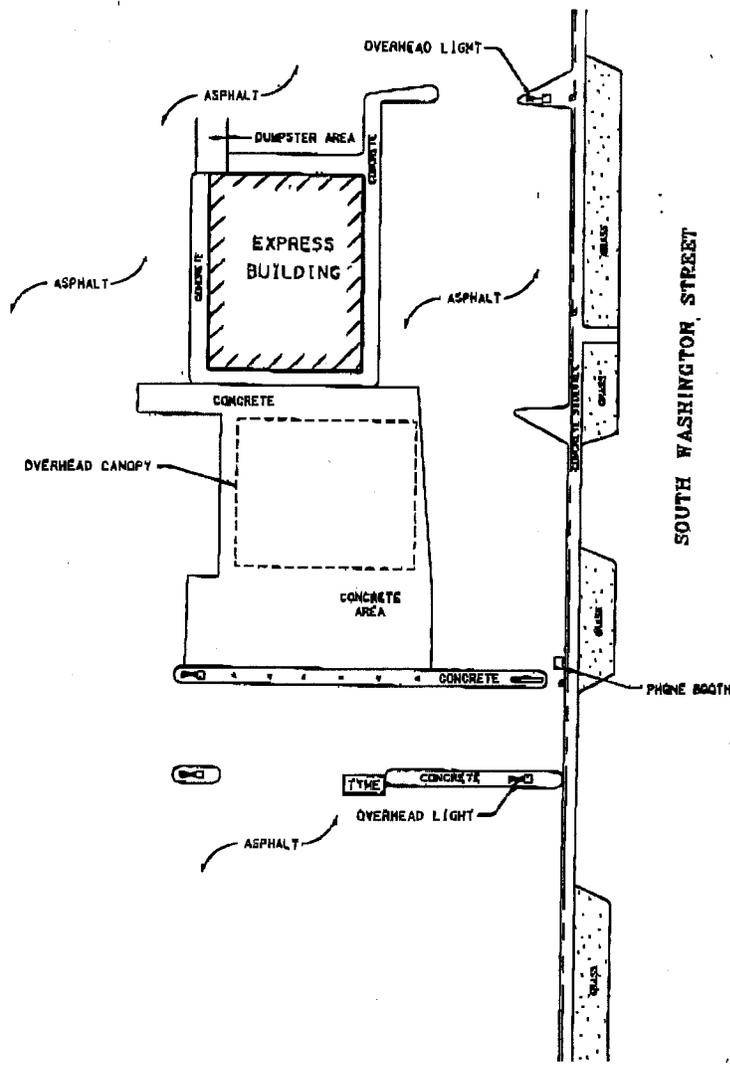
DR. BY: BEB

DR. # 3234-001

SCALE: SEE ABOVE

SITE LOCATION MAP

FIGURE 1



**LEGEND**  
 - - - - - PROPERTY LINE



NOTE:  
 MAP BASED ON SURVEY BY CAROL  
 SURVEYING OF APPLETON, WISCONSIN.

EXPRESS CONVENIENCE CENTER 006		
424 S. WASHINGTON STREET, KIMBERLY, WI		
DATE: 7-24-01	DR. BY: BEB	DR.# 4019-011
SITE PLAN MAP		SCALE: 1" = 40'
		FIGURE 1

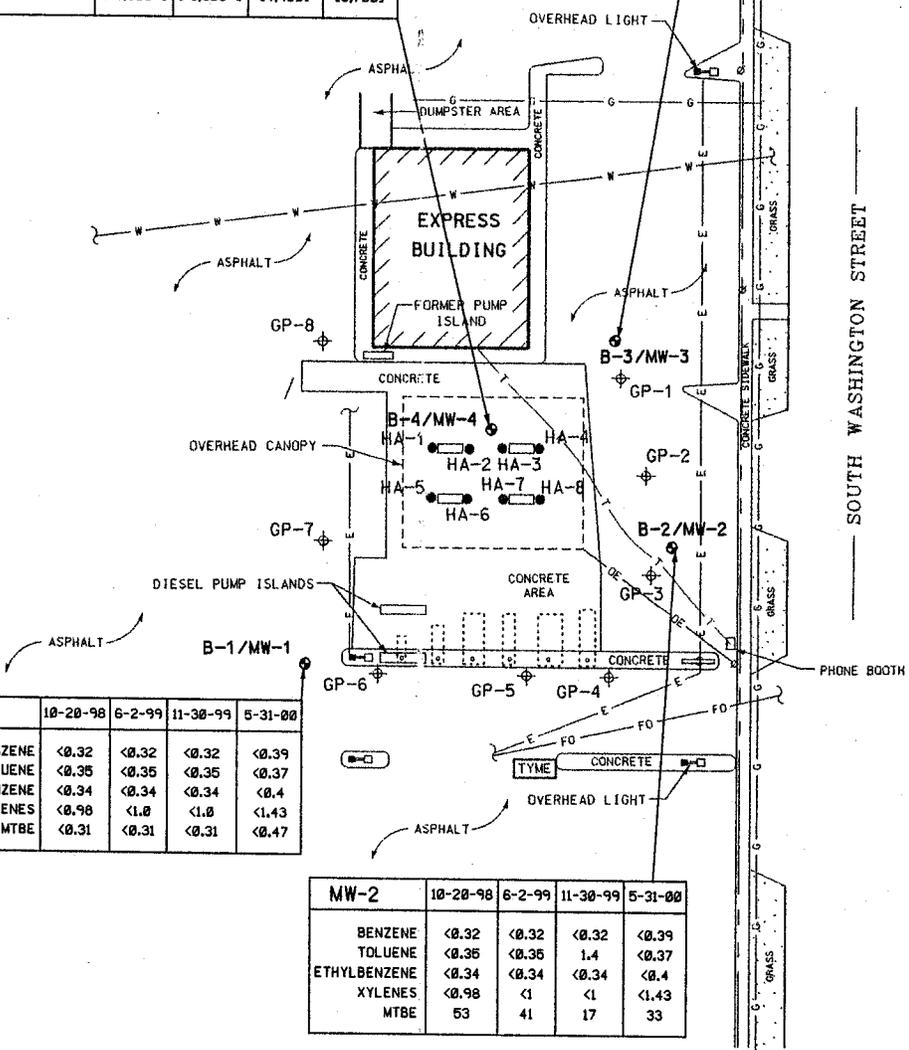


MW-4	10-20-98	6-2-99	11-30-99	5-31-00
BENZENE	[ 14,000 ]	[ 15,000 ]	[ 11,000 ]	[ 13,000 ]
TOLUENE	[ 13,000 ]	[ 13,000 ]	[ 3,000 ]	[ 5,100 ]
ETHYLBENZENE	680	[ 830 ]	510	530
XYLENES	4,000	4,000	2,100	2,100
MTBE	[ 5,000 ]	[ 5,300 ]	[ 4,400 ]	[ 3,700 ]

MW-3	10-20-98	6-2-99	11-30-99	5-31-00
BENZENE	<0.32	<0.32	<0.32	<0.39
TOLUENE	<0.35	<0.35	0.42	<0.37
ETHYLBENZENE	<0.34	<0.34	<0.34	<0.4
XYLENES	<0.98	<1	<1	<1.43
MTBE	55	[87]	25	15

MW-1	10-20-98	6-2-99	11-30-99	5-31-00
BENZENE	<0.32	<0.32	<0.32	<0.39
TOLUENE	<0.35	<0.35	<0.35	<0.37
ETHYLBENZENE	<0.34	<0.34	<0.34	<0.4
XYLENES	<0.98	<1.0	<1.0	<1.43
MTBE	<0.31	<0.31	<0.31	<0.47

MW-2	10-20-98	6-2-99	11-30-99	5-31-00
BENZENE	<0.32	<0.32	<0.32	<0.39
TOLUENE	<0.35	<0.35	1.4	<0.37
ETHYLBENZENE	<0.34	<0.34	<0.34	<0.4
XYLENES	<0.98	<1	<1	<1.43
MTBE	53	41	17	33

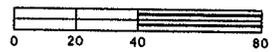


**LEGEND**

- ⊕ = MONITORING WELL LOCATION
- = HAND AUGER BORING LOCATION
- ⊕ = GEOPROBE BORING LOCATION
- = PROPERTY LINE
- W — = UNDERGROUND WATER LINE
- G — = UNDERGROUND GAS LINE
- E — = UNDERGROUND ELECTRIC LINE
- DE — = OVERHEAD ELECTRIC LINE
- FO — = UNDERGROUND FIBER OPTIC LINE
- · — · = GASOLINE / DIESEL UST LOCATION

**ANALYTICAL KEY**

MTBE = METHYL-TERT-BUTYL-ETHER  
 [ ] = CONCENTRATION EXCEEDS NR140 ENFORCEMENT STANDARD  
 ALL CONCENTRATIONS EXPRESSED IN MICROGRAMS PER LITER (ug/l)



NOTE:  
 MAP BASED ON SURVEY BY CARDW  
 SURVEYING OF APPLETON, WISCONSIN.

EXPRESS CONVENIENCE CENTER #06		SIGMA ENVIRONMENTAL SERVICES INC.	
424 S. WASHINGTON STREET, KIMBERLY, WI		SCALE: 1" = 40'	
DATE: 12-21-98	DR. BY: BEB	DR. # 4019-004	
GROUNDWATER QUALITY MAP		FIGURE 6	

**TABLE 2  
 STATIC GROUNDWATER ELEVATIONS  
 KIMBERLY EXPRESS  
 424 South Washington Street  
 Kimberly, Wisconsin**

Well ID	Elevation Top of Casing	Elevation Ground Surface	Water Level	Groundwater Elevation	Date
MW-1	723.96	724.60	3.30	720.66	07/23/1996
			1.55	722.41	10/24/1996
			1.53	722.43	06/17/1997
			1.82	722.14	09/23/1997
			3.14	720.82	01/05/1998
			2.40	721.56	04/16/1998
			2.88	721.08	07/13/1998
			2.92	721.04	10/20/1998
			1.85	722.11	06/02/1999
			2.45	721.51	11/30/1999
MW-2	720.98	721.68	1.79	722.17	05/31/2000
			3.37	717.61	07/23/1996
			2.11	718.87	10/24/1996
			2.20	718.78	06/17/1997
			2.50	718.48	09/23/1997
			2.92	718.06	01/05/1998
			1.97	719.01	04/16/1998
			2.43	718.55	07/13/1998
			3.17	717.81	10/20/1998
			2.62	718.36	06/02/1999
MW-3	721.44	721.94	2.54	718.44	11/30/1999
			3.65	717.33	05/31/2000
			3.68	717.76	07/23/1996
			1.16	720.28	10/24/1996
			1.67	719.77	06/17/1997
			3.11	718.33	09/23/1997
			3.65	717.79	01/05/1998
			2.24	719.20	04/16/1998
			3.32	718.12	07/13/1998
			2.04	719.40	10/20/1998
MW-4	722.46	722.94	1.96	719.48	06/02/1999
			3.70	717.74	11/30/1999
			2.41	719.03	05/31/2000
			2.82	719.64	10/24/1996
			1.62	720.84	06/17/1997
			3.05	719.41	09/23/1997
			3.15	719.31	01/05/1998
			2.44	720.02	04/16/1998
			3.10	719.36	07/13/1998
			3.27	719.19	10/20/1998
MW-4	722.46	722.94	1.51	720.95	06/02/1999
			1.64	720.82	11/30/1999
			1.41	721.05	05/31/2000

**KEY:**

All measurements in feet  
 Elevations are referenced to a USGS benchmark (feet above mean sea level).

**TABLE 3  
GROUNDWATER ANALYTICAL RESULTS  
Kimberly Express  
424 South Washington Street  
Kimberly, Wisconsin**

Sample Name	Units	MW-1											ES	PAL
		07/23/1996	10/24/1996	06/17/1997	09/23/1997	01/05/1998	04/16/1998	07/13/1998	10/20/1998	06/02/1999	11/30/1999	05/31/2000		
N-Nitrate + Nitrite	mg/L	NA	NA	0.88	0.65	0.52	1	1	0.66	0.5	0.32	0.51	NS	NS
Sulfate	mg/L	NA	NA	140	160	190	140	140	170	190	190	190	NS	NS
Ferrous Iron*	mg/L	NT	NT	NT	NT	NT	0.0	0.0	0.0	0.0	0.0	0.0	NS	NS
Dissolved Oxygen*	mg/L	NT	NT	0.3	2.2	1.4	1.4	0.9	1.6	0.3	1.25	0.3	NS	NS
Redox Potential*	mV	NT	NT	132.7	230.9	243.7	191	165.2	218.1	153.5	NT	59.1	NS	NS
<b>VOCs/PVOCs</b>														
Benzene	ug/L	<0.26	<0.7	<0.13	<0.13	<0.13	<0.32	<0.32	<0.32	<0.32	<0.32	<0.39	5	0.5
Toluene	ug/L	<0.69	<1.0	<0.20	<0.20	<0.20	<0.35	<0.35	<0.35	<0.35	<0.35	<0.37	1000	200
Ethylbenzene	ug/L	<0.32	<0.7	<0.22	<0.22	<0.22	<0.34	<0.34	<0.34	<0.34	<0.34	<0.4	700	140
Total Xylenes	ug/L	<0.9	<2.0	<0.23	0.24	<0.23	<1	<0.98	<0.98	<1	<1	<1.43	10000	1000
Methyl-tert-Butyl-Ether	ug/L	<0.22	<0.5	<0.16	<0.16	<0.16	<0.31	<0.31	<0.31	<0.31	<0.31	<0.47	60	12
Naphthalene	ug/L	<0.41	NA	NA	NA	NA	<0.88	<0.88	1.4	<0.88	<0.88	<0.53	40	8
1,2,4-Trimethylbenzene	ug/L	<0.57	<1.0	<0.22	0.29	<0.22	<0.35	<0.35	1.1	<0.35	<0.35	<0.4	480**	96**
1,3,5-Trimethylbenzene	ug/L	<0.57	<0.9	<0.29	<0.29	<0.29	<0.64	<0.64	<0.64	<0.64	<0.64	<0.63	480**	96**
Key:	mg/L	=	milligrams per liter											
	ug/L	=	micrograms per liter											
	mV	=	millivolts											
	ES	=	WI Administrative Code Chapter NR 140 Enforcement Standard											
	PAL	=	WI Administrative Code Chapter NR 140 Preventive Action Limit											
	<span style="border: 1px solid black; display: inline-block; width: 1em; height: 1em;"></span>	=	NR 140 Enforcement Standard Exceedance											
	*	=	Field Measurement											
	**	=	1,2,4- and 1,3,5- combined											
	NA	=	Not Analyzed											
	NT	=	Not Tested											
	NS	=	No Established Standard											

**TABLE 3 (cont.)  
GROUNDWATER ANALYTICAL RESULTS  
Kimberly Express  
424 South Washington Street  
Kimberly, Wisconsin**

Sample Name	Units	MW-2											ES	PAL
		07/23/1996	10/24/1996	06/17/1997	09/23/1997	01/05/1998	04/16/1998	07/13/1998	10/20/1998	06/02/1999	11/30/1999	05/31/2000		
N-Nitrate + Nitrite	mg/L	NA	NA	<0.017	<0.017	<0.017	<0.001	<0.0012	0.0041	NA	NA	NA	NS	NS
Sulfate	mg/L	NA	NA	130	140	170	94	120	140	NA	NA	NA	NS	NS
Ferrous Iron*	mg/L	NT	NT	NT	NT	NT	0.0	0.0	0.0	0.0	0.0	0.0	NS	NS
Dissolved Oxygen*	mg/L	NT	NT	0.2	1.3	0.7	0.4	0.2	0.2	0.2	0.58	0.2	NS	NS
Redox Potential*	mV	NT	NT	133	196.3	233.5	192.5	142.4	180.3	149.2	NT	84	NS	NS
<b>VOCs/PVOCs</b>														
Benzene	ug/L	<0.26	<0.7	0.83	0.3	0.55	13	<0.32	<0.32	<0.32	<0.32	<0.39	5	0.5
Toluene	ug/L	<0.69	<1.0	<0.20	<0.20	<0.20	<0.35	<0.35	<0.35	<0.35	1.4	<0.37	1000	200
Ethylbenzene	ug/L	<0.32	<0.7	<0.22	<0.22	<0.22	<0.34	<0.34	<0.34	<0.34	<0.34	<0.4	700	140
Total Xylenes	ug/L	<0.9	<2.0	<0.23	<0.23	<0.23	<1	<0.98	<0.98	<1	<1	<1.43	10000	1000
Methyl-tert-Butyl-Ether	ug/L	62	<0.5	53	45	47	61	49	53	41	17	33	60	12
Naphthalene	ug/L	<0.41	NA	NA	NA	NA	<0.88	<0.88	1.1	<0.88	<0.88	<0.53	40	8
1,2,4-Trimethylbenzene	ug/L	<0.57	<1.0	<0.22	<0.22	<0.22	<0.35	<0.35	0.82	<0.35	<0.35	<0.4	480**	96**
1,3,5-Trimethylbenzene	ug/L	<0.57	<0.9	<0.29	<0.29	<0.29	<0.64	<0.64	<0.64	<0.64	<0.64	<0.63	480**	96**
<b>Key:</b> mg/L = milligrams per liter ug/L = micrograms per liter mV = millivolts ES = WI Administrative Code Chapter NR 140 Enforcement Standard PAL = WI Administrative Code Chapter NR 140 Preventive Action Limit [ ] = NR 140 Enforcement Standard Exceedance * = Field Measurement ** = 1,2,4- and 1,3,5- combined NA = Not Analyzed NT = Not Tested NS = No Established Standard														

**TABLE 3 (cont.)  
GROUNDWATER ANALYTICAL RESULTS  
Kimberly Express  
424 South Washington Street  
Kimberly, Wisconsin**

Sample Name	Units	MW-3											ES	PAL
		07/23/1996	10/24/1996	06/17/1997	09/23/1997	01/05/1998	04/16/1998	07/13/1998	10/20/1998	06/02/1999	11/30/1999	05/31/2000		
N-Nitrate + Nitrite	mg/L	NA	NA	0.047	0.11	0.075	0.089	0.039	0.051	<0.002	0.036	0.093	NS	NS
Sulfate	mg/L	NA	NA	190	160	98	66	110	100	110	<0.024	86	NS	NS
Ferrous Iron*	mg/L	NT	NT	NT	NT	NT	0.0	0.0	0.0	0.0	0.0	0.0	NS	NS
Dissolved Oxygen*	mg/L	NT	NT	0.2	0.2	0.6	0.9	0.5	0.7	0.2	0.98	1.1	NS	NS
Redox Potential*	mV	NT	NT	121.3	187.2	229.3	196.7	143.2	178.1	145.5	NT	81.3	NS	NS
<b>VOCs/PVOCs</b>														
Benzene	ug/L	<0.26	<0.7	6.8	<0.13	19	0.52	<0.32	<0.32	<0.32	<0.32	<0.39	5	0.5
Toluene	ug/L	<0.69	<1.0	<0.40	<0.20	0.38	<0.35	<0.35	<0.35	<0.35	0.42	<0.37	1000	200
Ethylbenzene	ug/L	<0.32	<0.7	<0.44	<0.22	<0.22	<0.34	<0.34	<0.34	<0.34	<0.34	<0.4	700	140
Total Xylenes	ug/L	<0.9	<2.0	<0.46	<0.23	<0.23	<1	<0.98	<0.98	<1	<1	<1.43	10000	1000
Methyl-tert-Butyl-Ether	ug/L	370	270	300	250	600	480	270	55	87	25	15	60	12
Naphthalene	ug/L	<0.41	NA	NA	NA	NA	<0.88	<0.88	<0.88	<0.88	<0.88	<0.53	40	8
1,2,4-Trimethylbenzene	ug/L	<0.57	<1.0	<0.44	<0.22	0.3	0.44	<0.35	0.47	0.4	<0.35	<0.4	480**	96**
1,3,5-Trimethylbenzene	ug/L	<0.57	<0.9	<0.58	<0.23	<0.29	<0.64	<0.64	<0.64	<0.64	<0.64	<0.37	480**	96**
Key:	mg/L	=	milligrams per liter											
	ug/L	=	micrograms per liter											
	mV	=	millivolts											
	ES	=	WI Administrative Code Chapter NR 140 Enforcement Standard											
	PAL	=	WI Administrative Code Chapter NR 140 Preventive Action Limit											
		=	NR 140 Enforcement Standard Exceedance											
	*	=	Field Measurement											
	**	=	1,2,4- and 1,3,5- combined											
	NA	=	Not Analyzed											
	NT	=	Not Tested											
	NS	=	No Established Standard											

**TABLE 3 (cont.)  
GROUNDWATER ANALYTICAL RESULTS  
Kimberly Express  
424 South Washington Street  
Kimberly, Wisconsin**

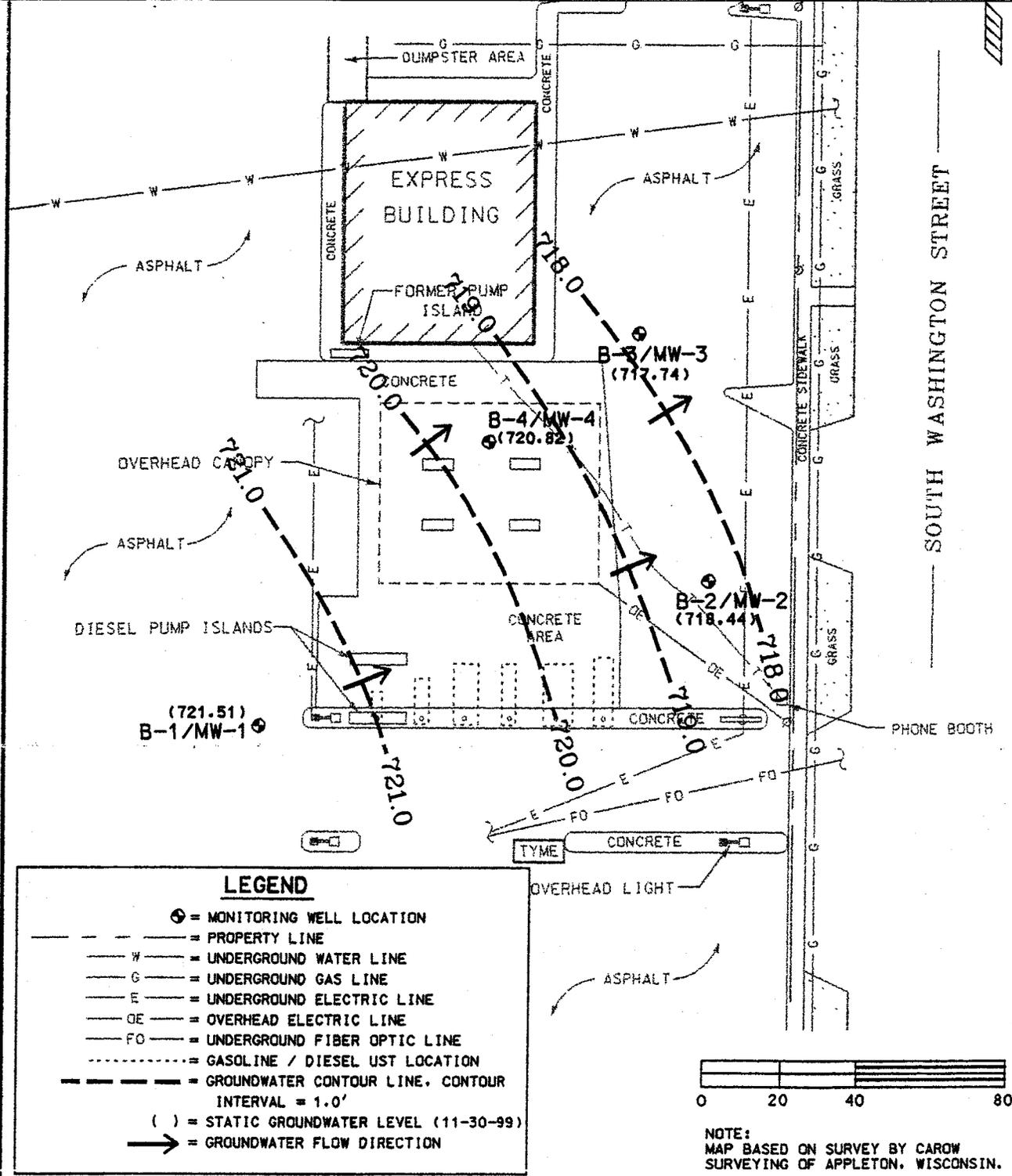
Sample Name	Units	MW-4										ES	PAL
		10/24/1996	06/17/1997	09/23/1997	01/05/1998	04/16/1998	07/13/1998	10/20/1998	06/02/1999	11/30/1999	05/31/2000		
N-Nitrate + Nitrite	mg/L	NA	0.052	0.053	<0.017	0.01	<0.0012	0.012	0.01	0.036	<0.002	NS	NS
Sulfate	mg/L	NA	31	47	35	3.3	0.45	0.09	2.9	<0.024	0.12	NS	NS
Ferrous Iron*	mg/L	NT	NT	NT	NT	2.5	6.8	7.2	10	9.8	6.8	NS	NS
Dissolved Oxygen*	mg/L	NT	0.1	0.2	0.3	2.5	0.2	0.1	0.3	0.19	0.2	NS	NS
Redox Potential*	mV	NT	-103.4	-61.5	164.8	37.7	22.3	-49.3	-83	NT	-11.7	NS	NS
<b>VOCs/PVOCs</b>													
Benzene	ug/L	18,000	7,900	7,800	17,000	17,000	14,000	14,000	15,000	11,000	13,000	5	0.5
Toluene	ug/L	18,000	4,000	2,700	16,000	18,000	<35	13,000	13,000	3,600	5,100	1000	200
Ethylbenzene	ug/L	1,400	570	460	1,100	1,000	780	680	830	510	530	700	140
Total Xylenes	ug/L	5,700	1,700	1,500	4,800	5,100	4,900	4,000	4,000	2,100	2,100	10000	1000
Methyl-tert-Butyl-Ether	ug/L	5,400	3,700	3,400	6,400	6,300	5,400	5,800	5,300	4,400	3,700	60	12
Naphthalene	ug/L	248	NA	NA	NA	450	300	180	240	<88	150	40	8
1,2,4-Trimethylbenzene	ug/L	1,200	470	450	1,100	1,200	1,000	750	790	510	470	480**	96**
1,3,5-Trimethylbenzene	ug/L	410	110	110	280	470	<64	180	180	100	120	480**	96**

Key:

- mg/L = milligrams per liter
- ug/L = micrograms per liter
- mV = millivolts
- ES = WI Administrative Code Chapter NR 140 Enforcement Standard
- PAL = WI Administrative Code Chapter NR 140 Preventive Action Limit
- = NR 140 Enforcement Standard Exceedance
- \* = Field Measurement
- \*\* = 1,2,4- and 1,3,5- combined
- NA = Not Analyzed
- NT = Not Tested
- NS = No Established Standard

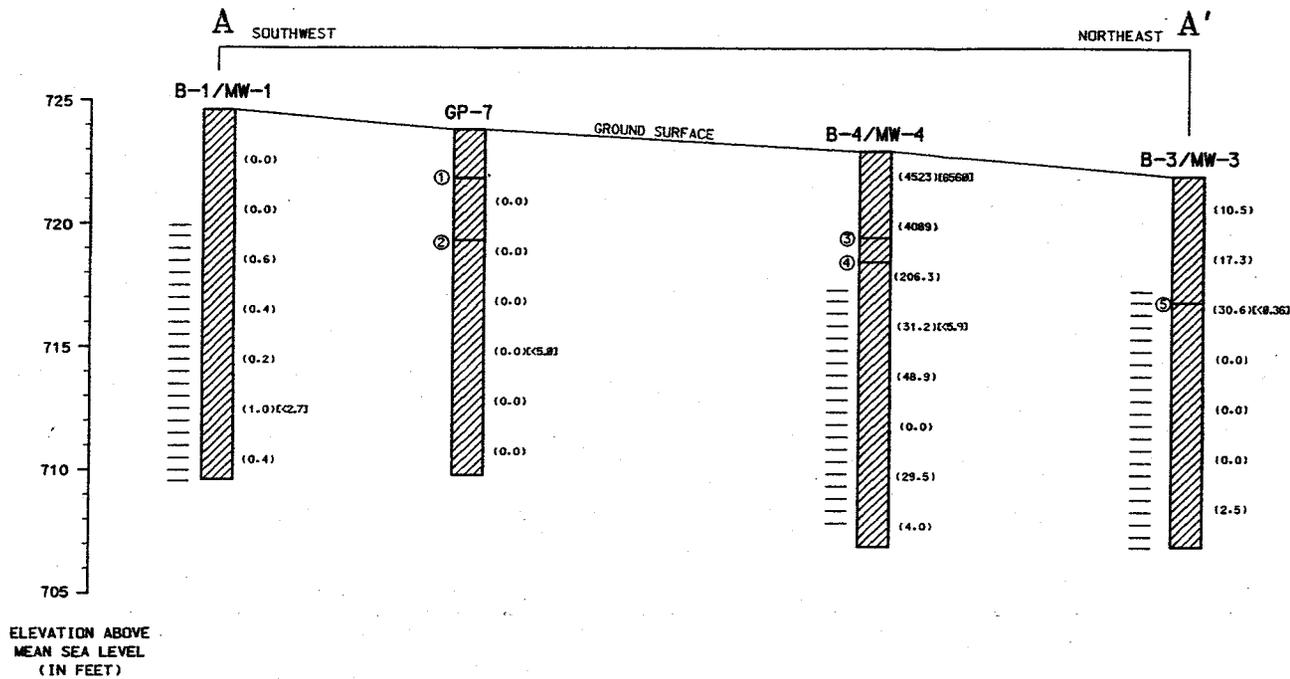
**TABLE 3 (cont.)  
GROUNDWATER ANALYTICAL RESULTS  
Kimberly Express  
424 South Washington Street  
Kimberly, Wisconsin**

Sample Name	Units	SUMP															ES	PAL	
		09/23/1997	01/05/1998	05/18/1998	06/23/1998	07/20/1998	08/05/1998	09/14/1998	10/19/1998	11/18/1998	12/08/1998	06/02/1999	07/19/1999	10/19/1999	11/30/1999	03/27/2000			05/31/2000
<b>PVOCs</b>																			
Benzene	ug/L	280	1,400	<0.32	200	220	250	92	300	110	61	91	59	210	79	64	3.5	5	0.5
Toluene	ug/L	450	11,000	<0.35	110	87	160	29	11	110	44	36	24	11	12	220	<0.37	1000	200
Ethylbenzene	ug/L	22	1,300	<0.34	105	95	120	54	81	47	85	28	48	71	38	32	0.53	700	140
Total Xylenes	ug/L	1,000	8,100	<1	460	250	250	110	130	130	260	65	53	28	37	290	0.74	10000	1000
Methyl-tert-Butyl-Ether	ug/L	<48	<16	3.2	33	38	42	19	57	35	21	20	8.8	33	18	28	5.7	60	12
1,2,4-Trimethylbenzene	ug/L	260	2,400	<0.35	410	310	310	150	190	130	330	74	120	52	38	72	0.6	480*	96*
1,3,5-Trimethylbenzene	ug/L	85	600	<0.64	93	48	36	21	20	26	43	<13	16	4.5	5.3	38	<0.63	480*	96*
Key:	ug/L	= micrograms per liter																	
	ES	= WAC Chapter NR 140 Enforcement Standard																	
	PAL	= WAC Chapter NR 140 Preventive Action Limit																	
		= NR 140 Enforcement Standard Exceedance																	
		= 1,2,4- and 1,3,5- combined																	
Note : Pumping of the sump began on 11/10/97.																			



**EXPRESS CONVENIENCE CENTER #06**  
 424 S. WASHINGTON STREET, KIMBERLY, WI





ELEVATION ABOVE MEAN SEA LEVEL (IN FEET)

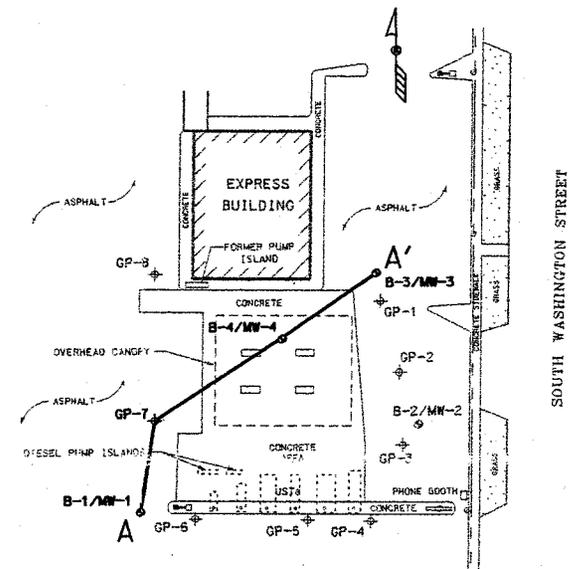
**LEGEND**

- ≡ = WELL SCREEN INTERVAL
- ① = 1" FINE SAND SEAM
- ② = 2" SAND SEAM
- ③ = 1/2" FINE SAND SEAM
- ④ = 1/2" FINE TO COARSE SAND SEAM
- ⑤ = 1" COARSE SAND TO MEDIUM GRAVEL SEAM

**USCS SYMBOLS**

- ▨ CL - SILTY CLAY WITH TRACE OF SAND AND GRAVEL

NOTES:  
 HORIZONTAL SCALE 1" = 20'  
 VERTICAL SCALE 1" = 5'  
 ( ) = FIELD FLAMEIONIZATION DETECTOR (FID) VALUE (AS METHANE).  
 [ ] = GASOLINE RANGE ORGANICS LABORATORY RESULT LISTED IN MILLIGRAMS PER KILOGRAM.



**CROSS SECTION LOCATION**  
NOT TO SCALE

EXPRESS CONVENIENCE CENTER #06			 ENVIRONMENTAL SERVICES INC.
424 S. WASHINGTON STREET, KIMBERLY, WI			
DATE: 1-29-97	DR. BY: TMM	DR. # 3234-010	SCALE: SEE NOTE
GEOLOGIC CROSS SECTION A-A'			FIGURE 1