

## GIS REGISTRY INFORMATION

<b>SITE NAME:</b>	Howard Appleby (Gas Station)		
<b>BRRTS #:</b>	03-41-001719	<b>FID #</b>	
<b>COMMERCE #</b> (if appropriate):	53217-3499-01	(if appropriate):	
<b>CLOSURE DATE:</b>	January 21, 2004		
<b>STREET ADDRESS:</b>	7501 N. Port Washington Rd.		
<b>CITY:</b>	Glendale		
<b>SOURCE PROPERTY GPS COORDINATES</b> (meters in WTM91 projection):	<b>X =</b> 689684	<b>Y =</b> 299961	
<b>CONTAMINATED MEDIA:</b>	Groundwater	Soil	Both <input checked="" type="checkbox"/>
<b>OFF-SOURCE GW CONTAMINATION &gt;ES:</b>	Yes	No	<input checked="" type="checkbox"/>
• <b>IF YES, STREET ADDRESS:</b>			
• <b>GPS COORDINATES</b> X = Y = (meters in WTM91 projection):			
<b>OFF-SOURCE SOIL CONTAMINATION</b> >Generic or Site-Specific RCL (SSRCL):	Yes	No	
• <b>IF YES, STREET ADDRESS 1:</b>			
• <b>GPS COORDINATES</b> X = Y = (meters in WTM91 projection):			
<b>CONTAMINATION IN RIGHT OF WAY:</b>	Yes	No	
<b><u>DOCUMENTS NEEDED</u></b>			
Closure Letter, and any conditional closure letter issued			<input checked="" type="checkbox"/>
Copy of most recent deed, including legal description, for all affected properties			<input checked="" type="checkbox"/>
Certified survey map or relevant portion of the recorded plat map (if referenced in the legal description) for all affected properties			<input type="checkbox"/>
County Parcel ID number, if used for county, for all affected properties			<input checked="" type="checkbox"/>
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.			<input checked="" type="checkbox"/>
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 SSRCLs.			<input checked="" type="checkbox"/>
Tables of Latest Groundwater Analytical Results (no shading or cross-hatching)			<input checked="" type="checkbox"/>
Tables of Latest Soil Analytical Results (no shading or cross-hatching)			<input checked="" type="checkbox"/>
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.			<input checked="" type="checkbox"/>
GW: Table of water level elevations, with sampling dates, and free product noted if present			<input checked="" type="checkbox"/>
GW: Latest groundwater flow direction/monitoring well location map (should be 2 maps if maximum variation in flow direction is greater than 20 degrees)			<input checked="" type="checkbox"/>
SOIL: Latest horizontal extent of contamination exceeding generic or SSRCLs, with one contour			<input checked="" type="checkbox"/>
Geologic cross-sections, if required for SI. (8.5x14' if paper copy)			<input checked="" type="checkbox"/>
RP certified statement that legal descriptions are complete and accurate			<input checked="" type="checkbox"/>
Copies of off-source notification letters (if applicable)			<input type="checkbox"/>
Letter informing ROW owner of residual contamination (if applicable)(public, highway or railroad ROW)			<input checked="" type="checkbox"/>
Copy of (soil or land use) deed restriction(s) or deed notice if any required as a condition of closure			<input type="checkbox"/>



January 21, 2004

Mr. Howard Appleby  
7501 N. Port Washington Rd.  
Milwaukee, WI 53217

**RE: Final Closure**

**Commerce # 53217-3499-01**      **WDNR BRRTS # 03-41-001719**  
Howard Appleby (Gas Station), 7501 N. Port Washington Rd., Glendale

Dear Mr. Appleby:

The Wisconsin Department of Commerce (Commerce) has received all items required as conditions for closure of the site referenced above. This case is now listed as "closed" on the Commerce database and will be included on the Wisconsin Department of Natural Resources (WDNR) Geographic Information System (GIS) Registry of Closed Remediation Sites to address residual contamination. It is in your best interest to keep all documentation related to the environmental activities that were conducted.

If residual contamination is encountered in the future, it must be managed in accordance with all applicable state and federal regulations. If it is determined that any remaining contamination poses a threat, the case may be reopened and further investigation or remediation may be required.

Thank you for your efforts to protect Wisconsin's environment. If you have any questions, please contact me in writing at the letterhead address or by telephone at (414) 220-5403.

Sincerely,

A handwritten signature in cursive script that reads 'Lee R. Delcore'.

Lee R. Delcore  
Hydrogeologist  
Site Review Section

cc:     Sigma Environmental Services, Inc.  
          Case File



October 21, 2003

Mr. Howard Appleby  
7501 N. Port Washington Rd.  
Milwaukee, WI 53217

RE: **Conditional Case Closure**

**Commerce # 53217-3499-01 & #53217-3499-05**  
WDNR BRRTS # 03-41-001719 & #03-41-109195  
Howard Appleby (Gas Station), 7501 & 7505 N. Port Washington Rd., Glendale

Dear Mr. Appleby:

The Wisconsin Department of Commerce (Commerce) has reviewed the request for case closure prepared by your consultant, Sigma Environmental Services, Inc., for the site referenced above. It is understood that residual soil and groundwater contamination remains on-site. Commerce has determined that this site does not pose a significant threat to the environment and human health. No further investigation or remedial action is necessary.

**The following conditions must be satisfied to obtain final closure:**

- A deed restriction must be placed on the property deed of 7505 N. Port Washington Road to prevent direct-contact exposure to shallow petroleum contaminated soil that remains within 4 feet of the ground surface. For this site, the deed restriction requires the preservation and maintenance of a surface barrier(s) – paving and/or permanent structure – over the shallow residual soil contamination. For case closure, provide Commerce with a copy of the deed restriction showing the County Register of Deeds' recording information. The deed restriction must include a site map showing accurate property boundaries and indicating where the shallow residual contamination remains. Also, include a table of residual soil contamination results, if the data are not presented on the map.

Enclosed for your use is an example "Notice of Contamination to Property" that has been prepared for your site. If you wish to modify the language, submit a draft copy to me at the letterhead address for approval before recording. If an electronic copy of the "Notice of Contamination to Property" is desired, you may contact me and a copy will be forwarded to you.

- All monitoring wells must be abandoned and the appropriate documentation sent to Commerce at the letterhead address.

This letter serves as your written notice of "no further action". Timely filing of your final PECFA claim (if applicable) is encouraged. If your claim is not received within 120 days of the date of this letter, interest costs incurred after 60 days of the date of this letter will not be eligible for PECFA reimbursement. Costs associated with recording deed notices or other restrictions are not eligible for PECFA reimbursement, and the recording of these notices should not delay the claim submittal process.

Thank you for your efforts to protect Wisconsin's environment. If you have any questions, please contact me in writing at the letterhead address or by telephone at (414) 220-5403.

Sincerely,

A handwritten signature in cursive script that reads "Lee R. Delcore".

Lee R. Delcore  
Hydrogeologist  
Site Review Section

Enclosure: Draft Notice of Contamination to Property

cc: Sigma Environmental Services, Inc.  
Case File

July 31, 2003

Project Reference #4675

Mr. Lee Delcore  
Wisconsin Department of Commerce  
101 West Pleasant Street, Suite 100A  
Milwaukee, Wisconsin 53212

RE: **GIS Registry Information Packet**  
**Howard Appleby Properties**  
7501 and 7505 North Port Washington Road, Glendale, WI  
BRRTS # 03-41-001719 & 03-41-109195  
COMMERCE # 53217-3499-01 & 53217-3499-05

Mr. Delcore:

In accordance with Wisconsin Administrative Code, Chapter NR 726.05 (2)(b)3.b., Sigma Environmental Services, Inc. (Sigma), on behalf of Howard Appleby is submitting the information necessary to list the subject property on the Geographic Information Systems Registry of Closed Remediation Sites (GIS Registry) for soil and groundwater. The required GIS information is detailed below:

1. ***One-time fee of \$250.00 for groundwater, and/or \$200.00 for soil, for each case closed, for maintenance of the registry.***

The required GIS registry fees were sent to Ms. Victoria Stovall of the Wisconsin Department of Natural Resources (WDNR). Copies of the two checks for two hundred dollars and a copy of the check for two hundred fifty dollars are included as Attachment A.

2. ***A copy of the most recent deed for all affected properties with exceedances of NR 140 Enforcement Standard (ES) and NR 720 Residual Contaminant Levels (RCLs).***

A copy of the most recent deed for 7501 and 7505 North Port Washington Road, Glendale, WI are included as Attachment B.

3. ***A copy of the certified survey map or the relevant section of the recorded plat map for properties where the legal description in the most recent deed refers.***

A copy of the certified survey map or the relevant section of the recorded plat map was not available from the Milwaukee County Register of Deeds Office.

4. ***Parcel identification number for each property.***

The parcel identification numbers (PIN) for 7501 and 7505 North Port Washington Road, Glendale, Wisconsin are 097-8970 and 097-8971. The PINs are listed on the deed provided in Attachment B.



**5. *Geographic position data collected in the Wisconsin Transverse Mercator '91 (WTM) coordinate system.***

The WTM geographic position data was determined from the WDNR GIS site. Specifically, the WTM coordinates for the combined properties of 7501 and 7505 North Port Washington Road, Glendale, Wisconsin are 689690, 299989. The map is provided as Attachment C.

**6. *A location map that outlines all properties within the contaminated site boundaries on a U.S.G.S topographic map or plat map in sufficient detail to permit the easy location of all parcels.***

A site location map is included as Attachment D.

**7. *A map of all contaminated properties within site boundaries, showing buildings, roads, property boundaries, contaminant sources, utility lines, monitoring wells, and potable wells.***

A site plan map including soil boring and monitoring well locations is included as Attachment E.

**8. *A table of the most recent analytical results, with sample collection dates: from all monitoring wells, and any potable wells for which samples have been collected for groundwater, and/or showing results for all contaminants found in pre-remedial sampling and in the most recent soil sampling event, for soils.***

Groundwater analytical results from all monitoring wells, including collection dates, are presented in Attachment F. Soil analytical results are also included in Attachment F.

**9. *An isoconcentration map, if required as part of the site investigation (SI), of the contaminated properties within the site boundaries. If an isoconcentration map was not required as part of the SI, substitute a map showing the horizontal extent of contamination, based on the most recent data.***

A groundwater quality map depicting the horizontal extent of groundwater impacts > NR 140 ESs is presented as Attachment G.

**10. *A table of the previous 4 water level elevation measurements from all monitoring wells, at a minimum, with the date measurements were made, is to be included. In addition, a groundwater flow direction map, representative of groundwater movement at the site.***

Groundwater elevation measurements, including the dates on which the measurements were made, are presented in Attachment H. In addition, a groundwater contour map is included in Attachment H.

11. ***For sites closing with residual soil contamination, include a map showing the location of all soil samples and a single contour showing the horizontal extent of each area of contiguous residual soil contamination that exceeds generic or site specific residual contaminant levels.***

A soil quality map including soil sample locations and a contour depicting the horizontal extent of soil impacts > NR720 RCLs is included as Attachment I.

12. ***A geologic cross section, if required as part of the SI, showing vertical extent and location of residual soil contamination exceeding generic or site specific RCLs and residual groundwater contamination, source extent and location; water table and piezometric elevations, and the location and elevation of geologic units, bedrock, and confining units, if any.***

A geologic cross section was not required as part of the Site Investigation.

13. ***A statement signed by the responsible party, which states that he or she believes that the legal descriptions attached to the statement are complete and accurate.***

The signed statement is included as Attachment B.

14. ***A copy of the letters sent by the RP to all owners of properties with groundwater exceeding ESs.***

Impacts were not identified offsite. Consequently, no letters were sent to the adjacent property owners.

15. ***A copy of all written notifications provided (to City/village/municipality/state agency or others responsible for maintenance) of a public street or highway or railroad right-of-way, within or partially within the boundaries of the contaminated site, for contamination exceeding groundwater ESs and/or soil exceeding generic or site specific RCLs.***

Notification to the City of Glendale (City Clerk and City Engineer) was necessary due to the fact that potential groundwater impacts may exist beneath the right-of-way of West Bayfield Avenue, which may exceed applicable Wisconsin Administrative Code, Chapter NR140 standards for groundwater. A copy of the notification letters to the Glendale City Engineer and City Clerk are included as Attachment J.


Based on the GIS information provided, Sigma requests that the Appleby property at 7501 North Port Washington Road be listed on the soil and groundwater GIS Registries and the property at 7505 North Port Washington Road be listed on the soil GIS registry. Please contact our office at (414) 768-7144 with any questions or comments.

Respectfully Submitted,

SIGMA ENVIRONMENTAL SERVICES, INC.



Aimee Hennings  
Staff Geologist



Dale C. Armbruster, P.G.  
Senior Hydrogeologist

cc: Thomas Appleby – Appleby's Service, Inc.



*End Contact*

DOC. #  
8487816

Document Number \_\_\_\_\_ Original Document Title \_\_\_\_\_

(Type or print clearly in black or red ink)  
The attached *original* document is being re-recorded to correct the following error(s)

REGISTER'S OFFICE 1 SS  
Milwaukee County, WI

RECORDED AT 9:19 AM

04-01-2003

JOHN LA FAVE  
REGISTER OF DEEDS

AMOUNT 21.00

- Grantor
- Grantee
- Legal Description
- Other (Explain) See attached Exhibit A

Actual revisions must be made on attached original document. Addendum permitted for lengthy revisions.

Recording Area RE-RECORD

Signatures of all Grantors on original document are required.  
(please attach addendum for additional signatures)

Name and Return Address  
Thomas W. LaFave  
Malm & La Fave  
5900 North Port Washington Road, Suite 210  
Milwaukee, Wisconsin 53217

FEE  
# 77.25 (3)  
EXEMPT

*2/23/08 at 10:00 AM*

Signed: *Howard S. Appleby*  
(date)

Signed: *Thomas J Appleby Sr*  
(date)

\* Howard S. Appleby

\* Thomas Appleby

Signed: *Joyce Appleby*  
(date)

Signed: *Carrie Appleby*  
(date)

\* Joyce Appleby

\* Carrie Appleby

AUTHENTICATION

ACKNOWLEDGMENT

Signature(s) Howard S. Appleby, Joyce Appleby, Thomas Appleby and Carrie Appleby

STATE OF \_\_\_\_\_ )  
COUNTY OF \_\_\_\_\_ ) ss.

Authenticated this 28 day of February, 2003

Personally came before me this \_\_\_\_\_ day of \_\_\_\_\_ the above named

\* Thomas W. LaFave  
TITLE: MEMBER STATE BAR OF WISCONSIN  
(If not, \_\_\_\_\_  
authorized by ' 706.06, Wis. Stats.)

to me known to be the person(s) who executed the foregoing instrument and acknowledged the same.

THIS INSTRUMENT WAS DRAFTED BY  
Attorney Thomas W. LaFave

\*  
Notary Public, State of \_\_\_\_\_  
My Commission (expires) (is): \_\_\_\_\_

\* Names of persons signing in any capacity must be typed or printed below their signature.

Note: Use of this cover page adds one page to your document being re-recorded and \$2.00 to the recording fee. Wisconsin Statutes, 59.43(2m)  
A Wisconsin Real Estate Transfer Form is required if adding or deleting a name or a parcel to correct the original recorded deed.

"This page is part of this legal document DO NOT REMOVE"

1031

# EXHIBIT A

1. Vendor is Howard S. Appleby, an individual, and "Howard S. Appleby and Joyce A. Appleby, initial trustees and any successor trustees of the Howard S. and Joyce A. Appleby Revocable Trust dated December 23, 1991 as amended," as vendor, is stricken.

2. The correct legal description is:

17-08N-22E COM 606 FT E & 399.723 FT S OF NW COR OF SE ¼ SEC. 17-8-22; TH E 274.18 FT, SWLY 239.36 FT, WLY ALGN LI OF W. BAYFIELD RD. TO A PT 605 FT E OF W LI OF SD ¼ SEC., TH N TO POB, CITY OF GLENDALE, MILWAUKEE COUNTY, STATE OF WISCONSIN.





REEL

5345

IMAGE

3365

Purchaser promises to pay when due all taxes and assessments on the Property or upon Vendor's interest in it and to deliver to Vendor on demand receipts showing such payment.

Purchaser shall keep the improvements on the Property insured against loss or damage occasioned by fire, extended coverage perils and such other hazards as Vendor may require, without co-insurance, through insurers approved by Vendor, in the sum of \$... REPLACEMENT VALUE, but Vendor shall not require coverage in an amount more than the balance owed under this Contract. Purchaser shall pay the insurance premiums when due. The policies shall contain the standard clause in favor of the Vendor's interest and, unless Vendor otherwise agrees in writing, the original of all policies covering the Property shall be deposited with Vendor. Purchaser shall promptly give notice of loss to insurance companies and Vendor. Unless Purchaser and Vendor otherwise agree in writing, insurance proceeds shall be applied to restoration or repair of the Property damaged, provided the Vendor deems the restoration or repair to be economically feasible.

Purchaser covenants not to commit waste nor allow waste to be committed on the Property, to keep the Property in good tenable condition and repair, to keep the Property free from liens superior to the lien of this Contract, and to comply with all laws, ordinances and regulations affecting the Property.

Vendor agrees that in case the purchase price with interest and other moneys shall be fully paid and all conditions shall be fully performed at the times and in the manner above specified, Vendor will on demand, execute and deliver to the Purchaser, a Warranty Deed, in fee simple, of the Property, free and clear of all liens and encumbrances, except any liens or encumbrances created by the act or default of Purchaser, and except:

Purchaser agrees that time is of the essence and (a) in the event of a default in the payment of any principal or interest which continues for a period of .15... days following the specified due date or (b) in the event of a default in performance of any other obligation of Purchaser which continues for a period of .15... days following written notice thereof by Vendor (delivered personally or mailed by certified mail), then the entire outstanding balance under this contract shall become immediately due and payable in full, at Vendor's option and without notice (which Purchaser hereby waives), and Vendor shall also have the following rights and remedies (subject to any limitations provided by law) in addition to those provided by law or in equity: (i) Vendor may, at his option, terminate this Contract and Purchaser's rights, title and interest in the Property and recover the Property back through strict foreclosure with any equity of redemption to be conditioned upon Purchaser's full payment of the entire outstanding balance, with interest thereon from the date of default at the rate in effect on such date and other amounts due hereunder (in which event all amounts previously paid by Purchaser shall be forfeited as liquidated damages for failure to fulfill this Contract and as rental for the Property if purchaser fails to redeem); or (ii) Vendor may sue for specific performance of this Contract to compel immediate and full payment of the entire outstanding balance, with interest thereon at the rate in effect on the date of default and other amounts due hereunder, in which event the Property shall be auctioned at judicial sale and Purchaser shall be liable for any deficiency; or (iii) Vendor may sue at law for the entire unpaid purchase price or any portion thereof; or (iv) Vendor may declare this Contract at an end and remove this Contract as a cloud on title in a quiet-title action if the equitable interest of Purchaser is insignificant; and (v) Vendor may have Purchaser ejected from possession of the Property and have a receiver appointed to collect any rents, issues or profits during the pendency of any action under (i), (ii) or (iv) above. Notwithstanding any oral or written statements or actions of Vendor, an election of any of the foregoing remedies shall only be binding upon Vendor if and when pursued in litigation and all costs and expenses including reasonable attorneys fees of Vendor incurred to enforce any remedy hereunder (whether abated or not) to the extent not prohibited by law and expenses of title evidence shall be added to principal and paid by Purchaser, as incurred, and shall be included in any judgment.

Upon the commencement or during the pendency of any action of foreclosure of this Contract, Purchaser consents to the appointment of a receiver of the Property, including homestead interest, to collect the rents, issues, and profits of the Property during the pendency of such action, and such rents, issues, and profits when so collected shall be held and applied as the court shall direct.

Purchaser shall not transfer, sell or convey any legal or equitable interest in the Property (by assignment of any of Purchaser's rights under this Contract or by option, long-term lease or in any other way) without the prior written consent of Vendor unless either the outstanding balance payable under this Contract is first paid in full or the interest conveyed is a pledge or assignment of Purchaser's interest under this Contract solely as security for an indebtedness of Purchaser. In the event of any such transfer, sale or conveyance without Vendor's written consent, the entire outstanding balance payable under this Contract shall become immediately due and payable in full, at Vendor's option without notice.

Vendor shall make all payments when due under any mortgage outstanding against the Property on the date of this Contract (except for any mortgage granted by Purchaser) or under any note secured thereby, provided Purchaser makes timely payment of the amounts then due under this Contract. Purchaser may make any such payments directly to the Mortgagee if Vendor fails to do so and all payments so made by Purchaser shall be considered payments made on this Contract.

Vendor may waive any default without waiving any other subsequent or prior default of Purchaser.

All terms of this Contract shall be binding upon and inure to the benefits of the heirs, legal representatives, successors and assigns of Vendor and Purchaser. (If not an owner of the Property the spouse of Vendor for a valuable consideration joins herein to release homestead rights in the subject Property and agrees to join in the execution of the deed to be made in fulfillment hereof.)

Dated this 15<sup>th</sup> day of February, 1994.  
Howard S. Appleby and Joyce A. Appleby  
Revocable Trust, dated December 23, 1991

By: Howard S. Appleby (SEAL) Thomas J. Appleby (SEAL)  
Howard S. Appleby, Initial Trustee  
Joyce A. Appleby (SEAL) Carrie A. Appleby (SEAL)  
Joyce A. Appleby, Initial Trustee  
Carrie A. Appleby

AUTHENTICATION

Signature(s) Howard S. Appleby,  
Joyce A. Appleby and Carrie A. Appleby, and  
Thomas J. Appleby February 15, 1994  
authenticated this 15<sup>th</sup> day of February, 1994  
Thomas W. La Fave  
TITLE: MEMBER STATE BAR OF WISCONSIN  
(If not authorized by § 706.06, Wis. Stats.)

ACKNOWLEDGMENT

STATE OF WISCONSIN } ss.  
County. }  
Personally came before me this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_ the above named  
to me known to be the person \_\_\_\_\_ who executed the foregoing instrument and acknowledged the same.

THIS INSTRUMENT WAS DRAFTED BY  
Thomas W. La Fave

Notary Public \_\_\_\_\_ County, Wis.  
My Commission is permanent (if not, state expiration date: \_\_\_\_\_, 19\_\_\_\_)

(Signatures may be authenticated or acknowledged. Both are not necessary.)

Tax Parcel No: 97-8970

That part of the North One-third (1/3) of the South East One-quarter (1/4) of Section Seventeen (17), in Township Eight (8) North, Range Twenty-two (22) East, in the City of Glendale, which is bounded and described as follows: Commencing at a point which is 605.00 feet East of the West One-quarter line and 508.34 feet South 9 degrees 07' 52" East and parallel to the West line of said 1/4 Section; thence East and parallel to the North line of said 1/4 Section 266.51 feet to a point in a curve and the centerline of the North Port Washington Road; thence along said curve and centerline of North Port Washington Road 161.53 feet, having a radius which bears North 84 degrees 24' 46" West 955.40 feet, having a chord which bears South 10 degrees 24' 50" West to a point; thence West and parallel to the North line of said 1/4 Section 236.71 feet to a point; thence 07' 52" West and parallel to the West line of said 1/4 Section 158.66 feet to the point of commencement, excepting that portion thereof conveyed to the City of Glendale, by Deed recorded as Document No. 3901725.

*Ca* This deed is given in fulfillment of a Land Contract dated December 31, 1978, and recorded with the Milwaukee County Register of Deeds on April 10, 1979, on Reel 1194, Image 1007-1008 as Document No. 5302330.

Tax Parcel No: 97-8971

That part of the North One-third (1/3) of the South East One-quarter (1/4) of Section numbered Seventeen (17), in Township numbered Eight (8) North, Range Twenty-two (22) East, in the Town of Milwaukee, bounded and described as follows, to wit: Commencing at a point which is 405 feet East of the West line and 399.723 feet to South 0 degrees 7' 52" East of the North line of the 1/4 Section; thence East and parallel to the North line of the 1/4 Section, 474.18 feet to a point in the center line of the Port Washington Road; thence South 3 degrees 51' West, along said center line, 80.18 feet to the point of a curve; thence Southwesterly along a curved line (whose radius is 955.40 feet and bears North 86 degrees 09' West and whose long chord is 28.69' and bears South 4 degrees 42' 37" West), 28.70 feet to a point; thence West and parallel to the North line of the 1/4 Section, 466.51 feet to a point; thence North 0 degrees 72' 52" West and parallel to the West line of the 1/4 Section, 108.62 feet to the place of beginning, except the West 200 feet thereof.

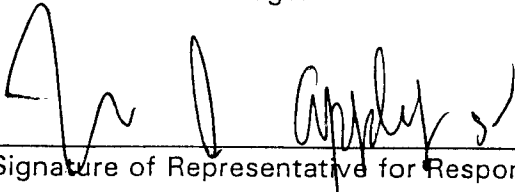
*Ca* This deed is given in fulfillment of a Land Contract dated December 31, 1978, and recorded with the Milwaukee County Register of Deeds on April 10, 1979, on Reel 1194, Image 1004-1006 as Document No. 5302329.

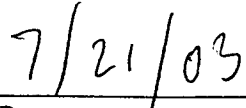
**The legal description is:**

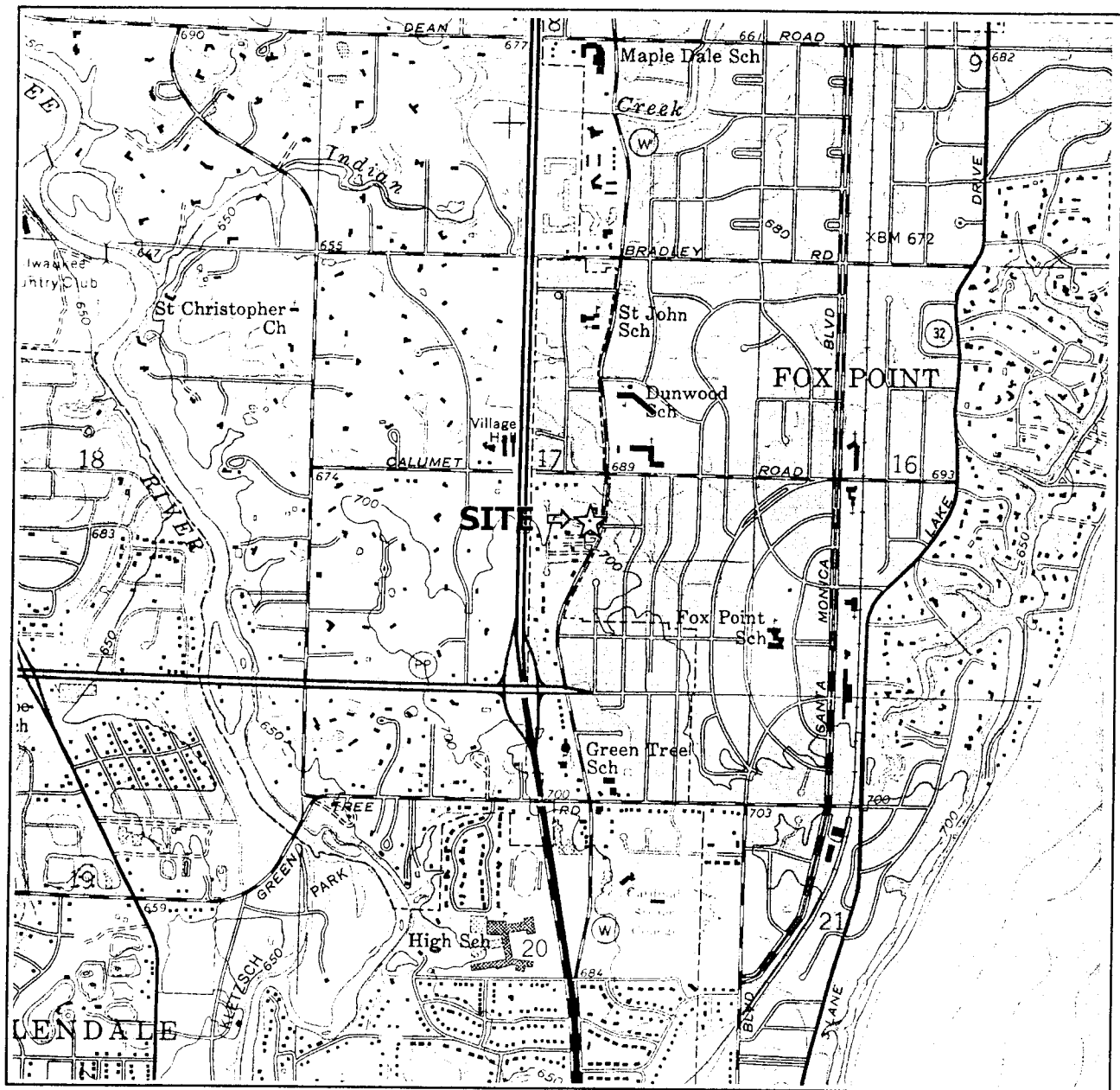
17-08N-22E COM 606 FT E & 399.723 FT S OF NW COR OF SE ¼  
SEC. 17-8-22; TH E 274.18 FT, SWLY 239.36 FT, WLY ALG N LI  
OF W. BAYFIELD RD. TO A PT 605 FT E OF W LI OF SD ¼ SEC.,  
TH N TO POB, CITY OF GLENDALE, MILWAUKEE COUNTY,  
STATE OF WISCONSIN.

**STATEMENT BY RESPONSIBLE PARTY**

Appleby's Service, Inc., the responsible party for the properties located at 7501 and 7505 North Port Washington Road, Glendale, Wisconsin, states that the legal description provided to the Wisconsin Department of Commerce (and attached to this statement) for case file reference 53217-3499-01 and 53217-3499-05 is complete and accurate to the best of our knowledge.

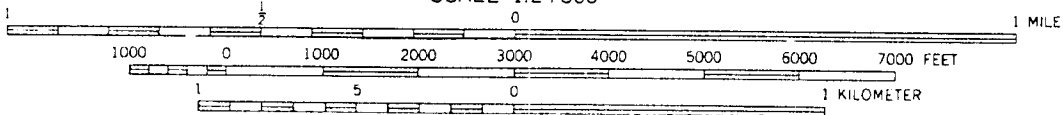
  
\_\_\_\_\_  
Signature of Representative for Responsible Party

  
\_\_\_\_\_  
Date



NW 1/4 of the SE 1/4 of Sec. 17, T8N, R22E Adapted from U.S.G.S. 7.5 minute series, Thiensville, Wisconsin, quadrangle (dated 1958, photorevised 1971 and 1976).

SCALE 1:24 000



CONTOUR INTERVAL 10 FEET  
 DOTTED LINES REPRESENT 5-FOOT CONTOURS  
 DATUM IS MEAN SEA LEVEL

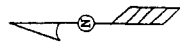


**Figure 1. Site Location Map**  
 Appleby's Service, Inc.  
 7501 & 7505 North Port Washington Road,  
 Glendale, Wisconsin

**SIGMA**  
 ENVIRONMENTAL SERVICES INC.

4675fig1.ppt





**LEGEND**

- MW (circle with cross) = MONITORING WELL LOCATION
- GP (circle with cross) = SIGMA GEOPROBE LOCATION
- SB (circle) = COOPER SOIL BORING
- SB/MW (circle with cross) = COOPER MONITORING WELL
- (circle with cross) = FORMER UST LOCATION
- (dashed line) = CYCLONE FENCE



**SIGMA**  
ENVIRONMENTAL SERVICES, INC.

APPLEBY'S SERVICE, INC.  
7501 N. PORT WASHINGTON RD., GLENDALE, WI

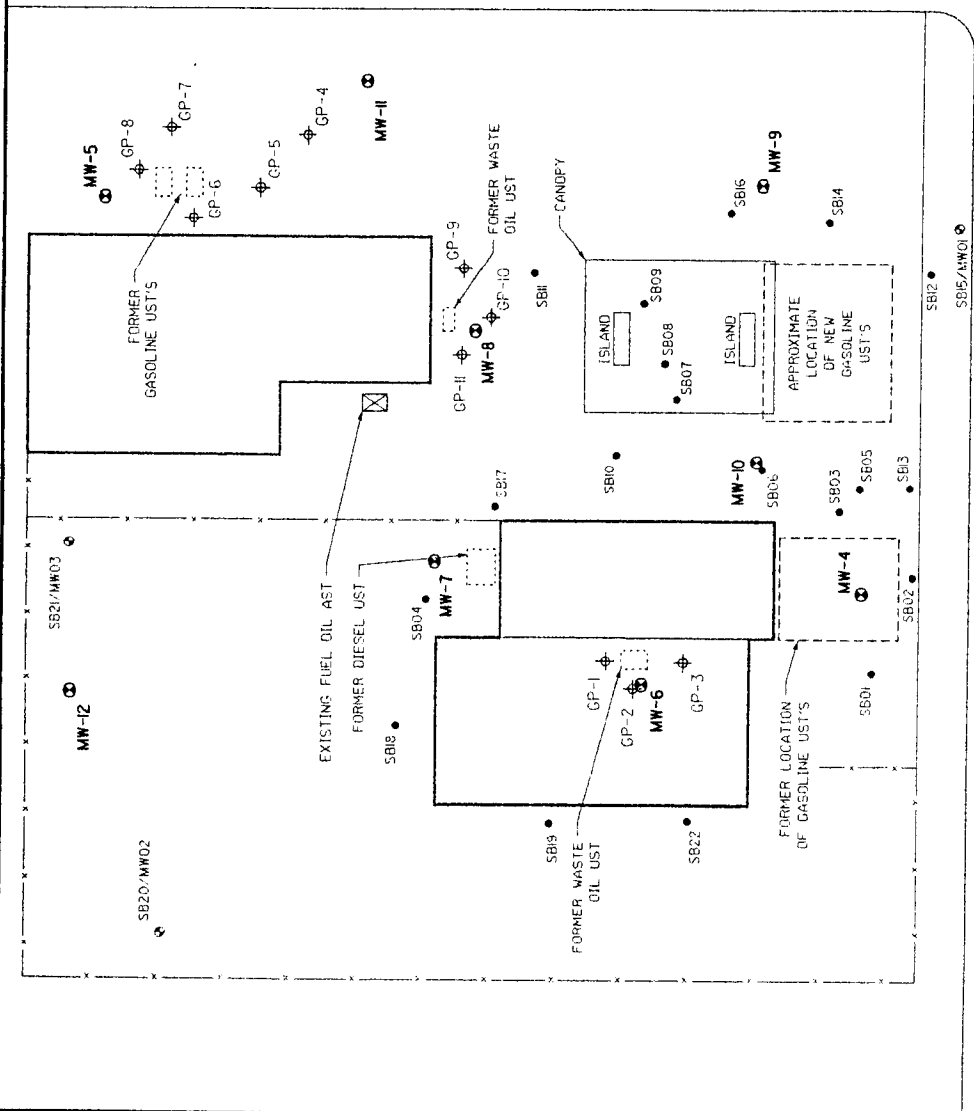
DATE: 12-5-01 DR. BY: BEB DR. # 4675-009

MONITORING WELL LOCATION MAP

SCALE: 1" = 30'

**FIGURE 2**

N. PORT WASHINGTON ROAD (ASPHALT)



NOTE:  
SITE FEATURES BASED ON SITE PLAN MAP  
DATED 6-30-92, BY COOPER  
ENVIRONMENTAL RESOURCES, INC.

DRIVWAY

MONITORING WELL MW-13

RELEASE DITCH

MONITORING WELL MW-14

W. BAYFIELD AVENUE (ASPHALT)

**Table 2**  
**Groundwater Laboratory Analytical Results - Detected Compounds**  
**Appleby's Service Station**  
**Project Reference #4675**

Parameter	MW-1			MW-2			MW-3			MW-4			NR 140			
	10/27/1999	01/27/2000	07/02/2001	10/27/1999	01/27/2000	07/02/2001	10/27/1999	01/27/2000	07/02/2001	10/27/1999	01/27/2000	07/02/2001	10/03/2001	05/14/2003	ES	PAL
Benzene	<0.40	<0.10	<0.48	<0.21	<0.10	<0.48	<0.21	<0.10	<0.48	<0.21	<0.10	<0.48	1400	277	5	0.5
n-Butylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
tert-Butylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	<1.0	<0.25	<0.43	<0.22	<0.25	<0.43	<0.22	<0.25	<0.43	<0.22	<0.25	<0.43	<17	<0.3	5	0.5
Ethylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MTBE	190	99	58	66	74	50	110	63	99	11	7.6	8.5	<1.0	<2.0	NA	NA
n-Propylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propyltoluene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	<0.40	<0.10	<0.47	<0.41	<0.10	<0.47	<0.41	<0.10	<0.47	<0.41	<0.10	<0.47	240	560	26.6	1.0
1,2,4-Trimethylbenzene	<0.40	<0.10	<0.51	<0.26	<0.10	<0.51	<0.26	<0.10	<0.51	<0.26	<0.10	<0.51	840	270	550	32.0
1,3,5-Trimethylbenzene	<0.40	<0.10	<0.52	<0.34	<0.10	<0.52	<0.34	<0.10	<0.52	<0.34	<0.10	<0.52	180	<2.6	56	1.0
Total Triethylbenzene	<0.80	<0.20	<1.03	<0.60	<0.20	<1.03	<0.60	<0.20	<1.03	<0.60	<0.20	<1.03	515	1020	270	506
Total Xylenes	<1.0	<0.25	<1.94	<0.69	<0.25	<1.94	<0.69	<0.25	<1.94	<0.69	<0.25	<1.94	660	1700	230	390
<b>Polyaromatic Hydrocarbons</b>																
Acenaphthene	<0.22	NA	<0.18	NA	<0.22	NA	<0.18	NA	<0.22	NA	<0.18	NA	<0.22	NA	0.51	NA
Acenaphthylene	<0.55	NA	<0.23	NA	<0.55	NA	<0.23	NA	<0.55	NA	<0.23	NA	<0.55	NA	0.46	NA
Anthracene	<0.17	NA	<0.19	NA	<0.17	NA	<0.19	NA	<0.17	NA	<0.19	NA	<0.17	NA	0.40	NA
Benzo (a) Anthracene	<0.043	NA	<0.043	NA	<0.043	NA	<0.043	NA	<0.043	NA	<0.043	NA	<0.043	NA	0.38	NA
Benzo (b) Fluoranthene	<0.029	NA	<0.013	NA	<0.029	NA	<0.013	NA	<0.029	NA	<0.013	NA	<0.029	NA	0.26	NA
Benzo (k) Fluoranthene	<0.027	NA	<0.012	NA	<0.027	NA	<0.012	NA	<0.027	NA	<0.012	NA	<0.027	NA	0.24	NA
Benzo (a,h,i) Perylene	<0.10	NA	<0.15	NA	<0.10	NA	<0.15	NA	<0.10	NA	<0.15	NA	<0.10	NA	0.30	NA
Chrysene	<0.13	NA	<0.18	NA	<0.13	NA	<0.18	NA	<0.13	NA	<0.18	NA	<0.13	NA	0.36	NA
Dibenz (a,h) Anthracene	<0.16	NA	<0.28	NA	<0.16	NA	<0.28	NA	<0.16	NA	<0.28	NA	<0.16	NA	0.34	NA
Fluoranthene	<0.10	NA	<0.16	NA	<0.10	NA	<0.16	NA	<0.10	NA	<0.16	NA	<0.10	NA	0.36	NA
Fluorene	<0.029	NA	<0.021	NA	<0.029	NA	<0.021	NA	<0.029	NA	<0.021	NA	<0.029	NA	0.56	NA
Indeno (1,2,3-cd) Pylene	<0.083	NA	<0.14	NA	<0.083	NA	<0.14	NA	<0.083	NA	<0.14	NA	<0.083	NA	0.49	NA
1-Methylpiperazine	<0.40	NA	<0.077	NA	<0.40	NA	<0.077	NA	<0.40	NA	<0.077	NA	<0.40	NA	0.34	NA
2-Methylpiperazine	<0.60	NA	<0.028	NA	<0.60	NA	<0.028	NA	<0.60	NA	<0.028	NA	<0.60	NA	0.28	NA
Naphthalene	<0.22	NA	0.44	NA	<0.22	NA	0.44	NA	<0.22	NA	0.44	NA	<0.22	NA	0.37	NA
Phenanthrene	<0.14	NA	<0.19	NA	<0.14	NA	<0.19	NA	<0.14	NA	<0.19	NA	<0.14	NA	0.72	NA
Pyrene	<0.047	NA	<0.02	NA	<0.047	NA	<0.02	NA	<0.047	NA	<0.02	NA	<0.047	NA	0.40	NA
<b>PCB's</b>																
PCB-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>Biological Parameters</b>																
Soluble Sulfate	mg/l	NA	130	NA	NA	NA	120	NA	NA	NA	NA	NA	67	85	NA	NA
Nitrate-Nitrite	mg/l	NA	0.11	NA	NA	NA	0.019	NA	NA	NA	NA	NA	0.041	<0.055	NA	NA
Soluble Manganese	mg/l	NA	0.13	NA	NA	NA	0.098	NA	NA	NA	NA	NA	0.031	0.016	NA	NA
<b>Field Parameters</b>																
Dissolved Oxygen	mg/l	0.62	1.3	0.45	0.24	0.55	1.32	0.16	0.22	0.5	0.22	0.16	1.05	0.27	0.15	NA
Redox Potential	mV	346.7	415.5	151.6	196.5	238.1	143.9	181.4	436.2	317.5	202.1	282.4	213.1	244.3	-303.7	NA
Ferrous Ion (Fe +2)	mg/l	0	0	0	0	0.8	0	0	0	0	0	0	0	0	0	NA
Temperature	°C	15.8	11.5	NA	NA	12.5	9.6	NA	NA	13.9	11.1	NA	15.4	8.6	NA	NA
pH		7	7	NA	NA	7	NA	NA	NA	7	NA	NA	7	7	NA	NA
Conductivity	µS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>KEY:</b>																
µg/l = micrograms per liter																
mg/l = milligrams per liter																
cl/ml = colony forming units per milliliter of groundwater																
I = Estimated concentration below laboratory quantitation levels.																
MTBE = methyl-tert-butyl-ether																
GRO = gasoline range organics																
TOC = total organic carbon																
ES = Chapter NR 140 groundwater quality enforcement standard																
PAL = Chapter NR 140 pre-ventive action limit																
NES = no established standard																
value = detected above Chapter NR 140 Enforcement Standard																
value = detected above Chapter NR 140 Preventive Action Limit																
mV = millivolts																
µS = micro-siemens																
°C = degrees Celsius																

mg/l = milligrams per liter  
 cl/ml = colony forming units per milliliter of groundwater  
 I = Estimated concentration below laboratory quantitation levels.  
 MTBE = methyl-tert-butyl-ether  
 GRO = gasoline range organics  
 TOC = total organic carbon  
 ES = Chapter NR 140 groundwater quality enforcement standard  
 PAL = Chapter NR 140 pre-ventive action limit  
 NES = no established standard  
 value = detected above Chapter NR 140 Enforcement Standard  
 value = detected above Chapter NR 140 Preventive Action Limit  
 mV = millivolts  
 µS = micro-siemens  
 °C = degrees Celsius

**Table 2**  
**Groundwater Laboratory Analytical Results - Detected Compounds**  
**Appleby's Service Station**  
**Project Reference #4675**

Parameter	MW-5		MW-6		MW-7		MW-8		MW-9		NR 140	
	10/27/1999	07/02/2001	10/27/1999	07/02/2001	10/27/1999	07/02/2001	10/27/1999	07/02/2001	10/27/1999	07/02/2001	10/03/2001	NR 140
Unsat	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.21	5
Benzene	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.21	5
n-Butylbenzene	<0.25	NA	<0.25	NA	<0.25	NA	<0.25	NA	<0.25	NA	<0.61	NES
sec-Butylbenzene	<0.25	NA	<0.25	NA	<0.25	NA	<0.25	NA	<0.25	NA	<0.49	NES
tert-Butylbenzene	<0.25	NA	<0.25	NA	<0.25	NA	<0.25	NA	<0.25	NA	<0.50	NES
1,2-Dichloroethane	<0.25	<0.47	<0.25	<0.47	<0.25	<0.47	<0.25	<0.47	<0.25	<0.47	<0.23	5
Ethylbenzene	<0.25	<0.43	<0.25	<0.43	<0.25	<0.43	<0.25	<0.43	<0.25	<0.43	<0.22	700
Isopropylbenzene	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.43	NA
p-Isopropyltoluene	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.43	NA
MTBE	<0.25	<0.67	<0.25	<0.67	<0.25	<0.67	<0.25	<0.67	<0.25	<0.67	<0.57	NA
Naphthalene	<0.25	<0.10	<0.25	<0.10	<0.25	<0.10	<0.25	<0.10	<0.25	<0.10	<0.59	NA
n-Propylbenzene	<0.25	<0.10	<0.25	<0.10	<0.25	<0.10	<0.25	<0.10	<0.25	<0.10	<0.64	NA
Toluene	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.41	1000
1,2,4-Trimethylbenzene	<0.10	<0.51	<0.10	<0.51	<0.10	<0.51	<0.10	<0.51	<0.10	<0.51	<0.26	NES
1,3,5-Trimethylbenzene	<0.10	<0.53	<0.10	<0.53	<0.10	<0.53	<0.10	<0.53	<0.10	<0.52	<0.34	NES
Total Trimethylbenzene	<0.20	<1.03	<0.20	<1.03	<0.20	<1.03	<0.20	<1.03	<0.20	<1.03	<0.60	480
Total Xylenes	<0.25	<1.94	<0.25	<1.94	<0.25	<1.94	<0.25	<1.94	<0.25	<1.94	<0.69	10000
<b>Polynuclear Aromatic Hydrocarbons</b>												
Acenaphthene	<0.23	NA	<0.23	NA	<0.23	NA	<0.23	NA	<0.23	NA	<0.22	NA
Acenaphthylene	<0.57	NA	<0.57	NA	<0.57	NA	<0.57	NA	<0.57	NA	<0.56	NA
Anthracene	<0.19	NA	<0.19	NA	<0.19	NA	<0.19	NA	<0.19	NA	<0.18	NA
Benzo (a) Anthracene	<0.18	NA	<0.18	NA	<0.18	NA	<0.18	NA	<0.18	NA	<0.17	NA
Benzo (b) Fluoranthene	<0.04	NA	<0.04	NA	<0.04	NA	<0.04	NA	<0.04	NA	<0.04	NA
Benzo (k) Fluoranthene	<0.03	NA	<0.03	NA	<0.03	NA	<0.03	NA	<0.03	NA	<0.03	NA
Benzo (a) Pyrene	<0.02	NA	<0.02	NA	<0.02	NA	<0.02	NA	<0.02	NA	<0.02	NA
Benzo (ghi) Perylene	<0.10	NA	<0.10	NA	<0.10	NA	<0.10	NA	<0.10	NA	<0.10	NA
Chrysene	<0.01	NA	<0.01	NA	<0.01	NA	<0.01	NA	<0.01	NA	<0.01	NA
Dibenz (a, h) anthracene	<0.15	NA	<0.15	NA	<0.15	NA	<0.15	NA	<0.15	NA	<0.13	NA
Fluoranthene	<0.10	NA	<0.10	NA	<0.10	NA	<0.10	NA	<0.10	NA	<0.10	NA
Fluorene	<0.03	NA	<0.03	NA	<0.03	NA	<0.03	NA	<0.03	NA	<0.03	NA
Indeno (1,2,3-cd) pyrene	<0.05	NA	<0.05	NA	<0.05	NA	<0.05	NA	<0.05	NA	<0.05	NA
1-Methylnaphthalene	<0.41	NA	<0.41	NA	<0.41	NA	<0.41	NA	<0.41	NA	<0.40	NA
2-Methylnaphthalene	<0.62	NA	<0.62	NA	<0.62	NA	<0.62	NA	<0.62	NA	<0.61	NA
Naphthalene	<0.21	NA	<0.21	NA	<0.21	NA	<0.21	NA	<0.21	NA	<0.22	NA
Phenanthrene	<0.14	NA	<0.14	NA	<0.14	NA	<0.14	NA	<0.14	NA	<0.14	NA
Pyrene	<0.04	NA	<0.04	NA	<0.04	NA	<0.04	NA	<0.04	NA	<0.04	NA
<b>PCBs</b>												
PCB - 1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.20	NA
PCB - 1221	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.20	NA
PCB - 1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.20	NA
PCB - 1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.20	NA
PCB - 1248	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.20	NA
PCB - 1254	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.20	NA
PCB - 1260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.20	NA
<b>Biological Parameters</b>												
Sulfate Sulfate	mg/l	60	NA	NA	NA	NA	NA	NA	NA	NA	87	70
Nitrate-Nitrate	mg/l	0.17	NA	NA	NA	NA	NA	NA	NA	NA	0.15	<0.055
Soluble Manganese	mg/l	0.71	NA	NA	NA	NA	NA	NA	NA	NA	0.76	0.81
<b>Field Parameters</b>												
Dissolved Oxygen	mg/l	1.46	0.76	1.02	0.48	2.49	0.43	0.16	4.38	0.4	4.92	0.5
Redox Potential	mV	360.5	319.2	153.2	228.1	417.4	295	164.7	376.9	330.1	383.4	432.5
Ferrous Iron (Fe +2)	mg/l	0	0	0	0	0	0	0	0	0	0	0
Temperature	°C	14.5	12.3	NA	NA	15.6	15.4	NA	14.2	11.7	14.6	12.8
pH	US	7	7	NA	NA	7	7	NA	7	7	7	7
Conductivity	µS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
KEY:												

µg/l = micrograms per liter  
 mg/l = milligrams per liter  
 cfuml = cubic foot per minute  
 l = Estimated concentration below laboratory quantitation levels  
 MTBE = methyl-tert-butyl-ether  
 GRO = gasoline range organics  
 TOC = total organic carbon  
 ES = Chapter NR 140 groundwater quality enforcement standard  
 PAL = Chapter NR 140 preventive action limit  
 NES = no established standard  
 value = detected above Chapter NR 140 Enforcement Standard  
 mV = millivolts  
 µS = micro-siemens  
 °C = degrees Celsius

**Table 2**  
**Groundwater Laboratory Analytical Results - Detected Compounds**  
**Appleby's Service Station**  
**Project Reference #4875**

Parameter	MW-10		MW-11		MW-12		MW-13		MW-14		Equipment Blank		The Blank		NR 140 ES	PAL	
	07/02/2001	10/03/2001	07/02/2001	10/03/2001	07/02/2001	10/03/2001	07/02/2001	10/03/2001	07/02/2001	10/03/2001	10/27/1999	01/27/2000	07/02/2001	07/02/2001			
Benzene	0.48	<0.21	<0.46	<0.21	<0.48	<0.21	<0.48	<0.21	<0.48	<0.21	<0.10	NA	NA	<0.10	NA	NA	5
n-Butylbenzene	0.81	NA	<0.61	NA	<0.61	NA	<0.61	NA	<0.61	NA	NA	NA	NA	NA	NA	NA	NES
sec-Butylbenzene	0.48	NA	<0.48	NA	<0.48	NA	<0.48	NA	<0.48	NA	NA	NA	NA	NA	NA	NA	NES
tert-Butylbenzene	0.48	NA	<0.48	NA	<0.48	NA	<0.48	NA	<0.48	NA	NA	NA	NA	NA	NA	NA	NES
1,2-Dichloroethane	0.43	<0.23	0.28	<0.23	0.47	<0.23	0.47	<0.23	0.47	<0.23	<0.25	NA	NA	<0.25	NA	NA	5
Ethylbenzene	0.43	<0.23	0.43	<0.23	0.43	<0.23	0.43	<0.23	0.43	<0.23	<0.25	NA	NA	<0.25	NA	NA	140
Isopropylbenzene	0.43	NA	<0.43	NA	<0.43	NA	<0.43	NA	<0.43	NA	NA	NA	NA	NA	NA	NA	NES
p-Isopropyltoluene	0.57	NA	<0.57	NA	<0.57	NA	<0.57	NA	<0.57	NA	NA	NA	NA	NA	NA	NA	NES
MTBE	37	33	<0.67	<0.46	1.8	0.85	<0.67	<0.46	<0.67	<0.46	<0.75	NA	NA	<0.75	NA	NA	12
n-Propylbenzene	0.84	NA	<0.84	NA	<0.84	NA	<0.84	NA	<0.84	NA	NA	NA	NA	NA	NA	NA	80
Toluene	0.47	<0.41	<0.47	<0.41	<0.47	<0.41	<0.47	<0.41	<0.47	<0.41	<0.10	NA	NA	<0.10	NA	NA	40
1,2,4-Trimethylbenzene	0.51	<0.36	<0.51	<0.36	<0.51	<0.36	<0.51	<0.36	<0.51	<0.36	<0.10	NA	NA	<0.10	NA	NA	200
1,3,5-Trimethylbenzene	0.52	<0.34	<0.52	<0.34	<0.52	<0.34	<0.52	<0.34	<0.52	<0.34	<0.10	NA	NA	<0.10	NA	NA	NES
Total Xylenes	1.03	<0.60	<1.03	<0.60	<1.03	<0.60	<1.03	<0.60	<1.03	<0.60	<0.20	NA	NA	<0.20	NA	NA	NES
Total Xylenes	1.84	<0.89	<1.84	<0.89	<1.84	<0.89	<1.84	<0.89	<1.84	<0.89	<0.25	NA	NA	<0.25	NA	NA	96
<b>Polynuclear Aromatic Hydrocarbons</b>																	
Acenaphthene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NES
Acenaphthylene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NES
Anthracene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NES
Benzo (a) Anthracene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3000
Benzo (b) Fluoranthene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	600
Benzo (k) Fluoranthene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NES
Benzo (a) Pyrene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.2
Benzo (b,h,i) Perylene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NES
Chrysene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.2
Fluorene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NES
Fluorene (1,2,3-cd)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	80
Indeno (1,2,3-cd) Pyrene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	60
1-Methylanthracene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NES
2-Methylanthracene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NES
Naphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NES
Phenanthrene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40
Pyrene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NES
PCB's	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	250
PCB - 1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	50
PCB - 1221	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.03
PCB - 1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.003
PCB - 1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.03
PCB - 1248	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.003
PCB - 1254	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.003
PCB - 1260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.003
<b>Biological Parameters</b>																	
Soluble Sulfate	mg/l	110	NA	60	NA	52	NA	58	NA	17	NA	NA	NA	NA	NA	NA	NES
Nitrate-Nitrite	mg/l	0.93	NA	0.17	NA	0.63	NA	1.5	NA	1.3	NA	NA	NA	NA	NA	NA	NES
Soluble Manganese	mg/l	0.33	NA	0.35	NA	0.16	NA	0.085	NA	0.092	NA	NA	NA	NA	NA	NA	NES
<b>Field Parameters</b>																	
Dissolved Oxygen	mg/l	8.4	0.15	0.31	1.24	0.18	2	0.17	1.91	0.16	NA	NA	NA	NA	NA	NA	NES
Redox Potential	mV	165	176.5	183.5	196.4	131.7	188.1	135.2	216.2	135.5	NA	NA	NA	NA	NA	NA	NES
Ferrous Iron (Fe +2)	mg/l	0	0	0	0	0	0	0	0	0	NA	NA	NA	NA	NA	NA	NES
Temperature	°C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NES
pH	MS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NES
Conductivity	µS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NES
KEY:																	NES

mg/l = milligrams per liter  
 µS = micrograms per liter  
 °C = degrees Celsius  
 d/mt = forming units per milliter of groundwater  
 I = Estimated concentration below laboratory quantitation levels.  
 MTBE = methyl-tert-butyl-ether  
 GRO = gasoline range organics  
 TOC = total organic carbon  
 ES = Chapter NR 140 groundwater quality enforcement standard  
 PAL = Chapter NR 140 preventive action limit  
 NES = no established standard  
 [value] = detected above Chapter NR 140 Enforcement Standard  
 value = detected above Chapter NR 140 Preventive Action Limit  
 mV = millivolts  
 µS = micro-siemens

**Table 3**  
**Soil Quality Results - Geoprobes**  
**Appleby's Service Station**  
**Project Reference #4675**  
**Data collected June 16, 1998**

Parameter	Units	GP-1 2.4 ft bgs	GP-1 8.10 ft bgs	GP-2 2.4 ft bgs	GP-2 8.10 ft bgs	GP-3 4.6 ft bgs	GP-3 8.10 ft bgs	GP-4 2.4 ft bgs	GP-4 8.10 ft bgs	GP-5 4.6 ft bgs	GP-6 4.6 ft bgs	GP-7 4.6 ft bgs	GP-8 6.6 ft bgs	GP-9 4.6 ft bgs	GP-9 8.10 ft bgs	GP-10 2.4 ft bgs	GP-10 8.10 ft bgs	GP-11 4.6 ft bgs	GP-11 8.10 ft bgs	NR 720 RCL	
DRO	mg/kg	21	9.6	119	12	3,180	20	na	na	na	na	na	na	33	38	13	36	14	14	100/250	
Benzone	µg/kg	na	na	na	na	na	na	4,900	<5.8	<5.8	851	na	<5.8	na	na	na	na	na	na	na	100/250
Ethylbenzene	µg/kg	127	<29	<30	<30	<29	<30	<23,900	<32	<29	<4,440	<31	<29	<29	<29	<29	<29	<29	<29	<30	5.5
Toluene	µg/kg	67	<29	<30	<30	<29	<30	<80,400	292	<29	<6,240	<31	<29	<29	<29	<29	<29	<29	<29	<30	2900
Total Xylene	µg/kg	<87	<88	81	<80	<88	<90	<27,600	<29	<29	<1,060	<31	<29	<29	<29	<29	<29	<29	<29	<30	1500
Methyl-Tertiary-Butyl-Ether	µg/kg	<29	<29	<30	<30	<29	<30	<1,600	<29	<29	25,200	<94	<86	<87	<86	<86	<86	<88	<88	<89	4100
1,2,4-Trimethylbenzene	µg/kg	<29	31	45	<30	<29	<30	119,000	110	<29	20,400	<31	<29	<29	<29	<29	<29	<29	<29	<30	nes
1,3,5-Trimethylbenzene	µg/kg	<29	<29	<30	<30	<29	<30	37,700	<29	<29	7,670	<31	<29	<29	<29	<29	<29	<29	<29	<30	nes
<b>Polynuclear Aromatic Hydrocarbons</b>																					
Acenaphthylene	µg/kg	<57	<60	<58	<59	<59	<62	na	na	na	na	na	na	<57	<56	<56	<57	<59	<61	nes	
Acenaphthylene	µg/kg	<57	<101	<96	<99	<100	<103	na	na	na	na	na	na	<97	<97	<96	<96	<100	<104	nes	
Anthracene	µg/kg	10	<6.0	<5.8	<5.9	<5.9	<6.2	na	na	na	na	na	na	<5.7	<5.6	<5.6	<5.7	<5.9	<6.1	nes	
Benzo(a)anthracene	µg/kg	16	<6.0	<5.8	<5.9	<5.9	<6.2	na	na	na	na	na	na	<5.7	<5.6	<5.6	<5.7	<5.9	<6.1	nes	
Benzo(b)fluoranthene	µg/kg	9.6	<6.0	<5.8	<5.9	<5.9	<6.2	na	na	na	na	na	na	<5.7	<5.6	<5.6	<5.7	<5.9	<6.1	nes	
Benzo(k)fluoranthene	µg/kg	22	<6.0	<5.8	<5.9	<5.9	<6.2	na	na	na	na	na	na	<5.7	<5.6	<5.6	<5.7	<5.9	<6.1	nes	
Benzo(a)pyrene	µg/kg	20	<6.0	<5.8	<5.9	<5.9	<6.2	na	na	na	na	na	na	<5.7	<5.6	<5.6	<5.7	<5.9	<6.1	nes	
Benzo(g,h,i)perylene	µg/kg	60	<6.0	<5.8	<5.9	<5.9	<6.2	na	na	na	na	na	na	<5.7	<5.6	<5.6	<5.7	<5.9	<6.1	nes	
Chrysene	µg/kg	17	<6.0	<5.8	<5.9	<5.9	<6.2	na	na	na	na	na	na	<5.7	<5.6	<5.6	<5.7	<5.9	<6.1	nes	
Dibenz(a,h)anthracene	µg/kg	<12	<12	<12	<12	<12	<12	na	na	na	na	na	na	<12	<11	<12	<11	<12	<12	nes	
Fluoranthene	µg/kg	55	<12	<12	<12	<12	<12	na	na	na	na	na	na	<12	<11	<12	<11	<12	<12	nes	
Fluorene	µg/kg	<12	<12	<12	<12	<12	<12	na	na	na	na	na	na	<12	<11	<12	<11	<12	<12	nes	
Indeno(1,2,3-cd)pyrene	µg/kg	15	<6.0	<5.8	<5.9	<5.9	<6.2	na	na	na	na	na	na	<12	<11	<12	<11	<12	<12	nes	
1-Methylnaphthalene	µg/kg	<34	<35	<35	<36	<35	<37	na	na	na	na	na	na	<34	<34	<34	<34	<35	<36	nes	
2-Methylnaphthalene	µg/kg	<28	<29	<29	<30	<29	<31	na	na	na	na	na	na	<28	<29	<28	<28	<29	<31	nes	
Naphthalene	µg/kg	<34	<35	<35	<36	<35	<37	na	na	na	na	na	na	<34	<34	<34	<34	<35	<36	nes	
Phenanthrene	µg/kg	36	<6.0	<5.8	<5.9	<5.9	<6.2	na	na	na	na	na	na	<34	<34	<34	<34	<35	<36	nes	
Pyrene	µg/kg	42	<6.0	<5.8	<5.9	<5.9	<6.2	na	na	na	na	na	na	<34	<34	<34	<34	<35	<36	nes	
<b>Biological Parameters</b>																					
Heterotrophic Plate Count	cfu/g	11,000	na	na	na	na	na	na	na	na	18,000	na	na	na	na	na	na	na	na	na	nes
Petroleum Hydrocarbon Degradet	cfu/g	110	na	na	na	na	na	na	na	na	7,900	na	na	na	na	na	na	na	na	na	na
Soluble Orthophosphate	mg/kg	<1.3	na	na	na	na	na	na	na	na	1.5	na	na	na	na	na	na	na	na	na	na
Total Organic Carbon	mg/kg	82,000	na	na	na	na	na	na	na	na	110,000	na	na	na	na	na	na	na	na	na	na
Bulk Density	g/cc	1.0	na	na	na	na	na	na	na	na	1.1	na	na	na	na	na	na	na	na	na	na
Percent Moisture	%	11	na	na	na	na	na	na	na	na	17	na	na	na	na	na	na	na	na	na	na
pH	S. U.	8.35	na	na	na	na	na	na	na	na	11.02	na	na	na	na	na	na	na	na	na	na
Ammonia Nitrogen	mg/kg N	<0.068	na	na	na	na	na	na	na	na	<0.072	na	na	na	na	na	na	na	na	na	na
Nitrate Nitrogen	mg/kg N	5.7	na	na	na	na	na	na	na	na	24	na	na	na	na	na	na	na	na	na	na
Total Kjeldahl Nitrogen	mg/kg	250	na	na	na	na	na	na	na	na	210	na	na	na	na	na	na	na	na	na	na
KEY:																					

mg/kg = milligrams per kilogram  
S. U. = scientific units  
µg/kg = micrograms per kilogram  
mg/kg N = milligrams per kilogram as Nitrogen  
g/cc = gram per 100 grams  
cfu/g = colony forming units per gram  
na = parameter not analyzed for  
nes = no established residual contaminant level (RCL)  
**Bold** = Concentration exceeds generic residual contaminant level

**Table 4**  
**Soil Quality Results - Monitoring Wells**  
**Appleby's Service Station**  
**Project Reference #4675**

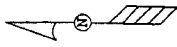
Parameter	Units	MW-4		MW-5		MW-6		MW-7		MW-8		NR 720 RCL
		2-4	10-12	2-4	10-12	2-4	6-8	2-4	10-12	2-4	2-4	
DRO	mg/kg	NA	NA	NA	NA	NA	NA	24	<5.9	NA	NA	100
Benzene	mg/kg	<5.3	<b>126+</b>	NA	NA	NA	NA	NA	NA	NA	NA	100
1,2-Dichloroethane	µg/kg	<27	<b>2,300</b>	<32	<30	<b>32</b>	<30	<32	<30	<29	<29	5.5
Ethylbenzene	µg/kg	<27	<29	<32	<30	<30	<30	<32	<30	<29	<29	4.9
Methyl-Tertiary-Butyl-Ether	µg/kg	<27	<b>4,130</b>	<32	<30	<30	<30	<32	<30	<29	<29	2900
Toluene	µg/kg	<27	<29	<32	<30	<30	<30	<32	<30	<29	<29	NES
1,2,4-Trimethylbenzene	µg/kg	<27	<b>1,720</b>	<32	<30	32	<30	<32	<30	<29	<29	1500
1,3,5-Trimethylbenzene	µg/kg	<27	9,760	39	<30	33	<30	113	<30	78	<29	NES
Total Xylenes	µg/kg	<27	3,670	<32	<30	<30	<30	65	<30	<29	<29	NES
<b>Polyuclear Aromatic Hydrocarbons</b>	µg/kg	<37	<b>11,500</b>	<44	<41	81	<41	58	<41	116	<41	4100
Acenaphthene	µg/kg	NA	NA	NA	NA	NA	NA	<283	<59	NA	NA	NES
Acenaphthylene	µg/kg	NA	NA	NA	NA	NA	NA	<476	<100	NA	NA	NES
Anthracene	µg/kg	NA	NA	NA	NA	NA	NA	<28	<5.9	NA	NA	NES
Benzo(a)anthracene	µg/kg	NA	NA	NA	NA	NA	NA	91	<5.9	NA	NA	NES
Benzo(b)fluoranthene	µg/kg	NA	NA	NA	NA	NA	NA	39	<5.9	NA	NA	NES
Benzo(k)fluoranthene	µg/kg	NA	NA	NA	NA	NA	NA	34	<5.9	NA	NA	NES
Benzo(a)pyrene	µg/kg	NA	NA	NA	NA	NA	NA	53	<5.9	NA	NA	NES
Benzo(g,h,i)perylene	µg/kg	NA	NA	NA	NA	NA	NA	<28	<5.9	NA	NA	NES
Chrysene	µg/kg	NA	NA	NA	NA	NA	NA	70	<5.9	NA	NA	NES
Dibenzo(a,h)anthracene	µg/kg	NA	NA	NA	NA	NA	NA	<57	<12	NA	NA	NES
Fluoranthene	µg/kg	NA	NA	NA	NA	NA	NA	136	<12	NA	NA	NES
Fluorene	µg/kg	NA	NA	NA	NA	NA	NA	<57	<12	NA	NA	NES
Indeno(1,2,3-cd)pyrene	µg/kg	NA	NA	NA	NA	NA	NA	<28	<5.9	NA	NA	NES
1-Methylnaphthalene	µg/kg	NA	NA	NA	NA	NA	NA	590	<36	NA	NA	NES
2-Methylnaphthalene	µg/kg	NA	NA	NA	NA	NA	NA	850	<30	NA	NA	NES
Naphthalene	µg/kg	NA	NA	NA	NA	NA	NA	374	<36	NA	NA	NES
Phenanthrene	µg/kg	NA	NA	NA	NA	NA	NA	37	<5.9	NA	NA	NES
Pyrene	µg/kg	NA	NA	NA	NA	NA	NA	125	<5.9	NA	NA	NES
<b>Metals</b>												
Reactive Cyanide	mg/kg	NA	NA	NA	NA	NA	<0.24	NA	NA	<0.23	NA	NES
Reactive Sulfide	mg/kg	NA	NA	NA	NA	NA	24	NA	NA	<5.8	NA	NES
Cadmium	mg/kg	NA	NA	NA	NA	NA	4.4	NA	NA	NA	NA	NES
Lead	mg/kg	13	10	<b>355</b>	NA	NA	13	35	17	15	15	50
<b>PCBs</b>												
PCB 1016	mg/kg	NA	NA	NA	NA	NA	<0.025	NA	NA	<0.023	NA	NES
PCB 1221	mg/kg	NA	NA	NA	NA	NA	<0.025	NA	NA	<0.023	NA	NES
PCB 1232	mg/kg	NA	NA	NA	NA	NA	<0.025	NA	NA	<0.023	NA	NES
PCB 1242	mg/kg	NA	NA	NA	NA	NA	<0.025	NA	NA	<0.023	NA	NES
PCB 1248	mg/kg	NA	NA	NA	NA	NA	<0.025	NA	NA	<0.023	NA	NES
PCB 1254	mg/kg	NA	NA	NA	NA	NA	<0.025	NA	NA	<0.023	NA	NES
PCB 1260	mg/kg	NA	NA	NA	NA	NA	<0.025	NA	NA	<0.023	NA	NES

**KEY:**  
mg/kg = milligrams per kilogram  
+ = late eluting hydrocarbons are present  
µg/kg = micrograms per kilogram  
NA = parameter not analyzed  
NES = no established residual contaminant level (RCL)  
**Bold** = exceeds Chapter NR 720 RCL

**Table 4**  
**Soil Quality Results - Monitoring Wells**  
**Appleby's Service Station**  
**Project Reference #4675**

Parameter	Units	MW-9 2-4	MW-9 12.5-14.5	MW-9 2-4	MW-11 15-17	MW-12 2-4	MW-12 10-12	MW-13 2-4	MW-13 10-12	MW-14 2-4	MW-14 10-12	NR 720 RCL
DRO	mg/kg	<4.1	<4.1	8.6	<4.3	<4.3	4.1	<3.9	<4.0	<3.5	86	100/250
Benzene	µg/kg	<25	7.9	<2.9	<3.0	<2.9	<3.0	<2.9	<2.9	<2.6	<3.0	100/250
1,2-Dichloroethane	µg/kg	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	5.5
Ethylbenzene	µg/kg	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	4.9
Methyl-Tertiary-Butyl-Ether	µg/kg	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	2800
Toluene	µg/kg	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	NES
1,2,4-Trimethylbenzene	µg/kg	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	1500
1,3,5-Trimethylbenzene	µg/kg	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	NES
Total Xylenes	µg/kg	<75	<75	<75	<75	<75	<75	<75	<75	<75	<75	4100
<b>Polynuclear Aromatic Hydrocarbons</b>												
Acenaphthene	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NES
Acenaphthylene	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NES
Anthracene	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NES
Benzo(a)anthracene	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NES
Benzo(b)fluoranthene	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NES
Benzo(k)fluoranthene	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NES
Benzo(a)pyrene	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NES
Benzo(g,h,i)perylene	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NES
Chrysene	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NES
Dibenzo(a,h)anthracene	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NES
Fluoranthene	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NES
Fluorene	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NES
Indeno(1,2,3-cd)pyrene	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NES
1-Methylnaphthalene	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NES
2-Methylnaphthalene	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NES
Naphthalene	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NES
Phenanthrene	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NES
Pyrene	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NES
<b>Metals</b>												
Reactive Cyanide	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NES
Reactive Sulfide	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NES
Cadmium	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NES
Lead	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	50
<b>PCBs</b>												
PCB 1016	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NES
PCB 1221	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NES
PCB 1232	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NES
PCB 1242	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NES
PCB 1248	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NES
PCB 1254	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NES
PCB 1260	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NES

KEY:  
mg/kg = milligrams per kilogram  
+ = late eluting hydrocarbons are present  
µg/kg = micrograms per kilogram  
NA = parameter not analyzed  
NES = no established residual contaminant level (RCL)  
**Bold** = exceeds Chapter NR 720 RCL



**ANALYTICAL KEY**

MTBE = METHYL-TERT-BUTYL ETHER  
 T-TMB = TOTAL TRIMETHYLBENZENES  
 <ES = LESS THAN ENFORCEMENT STANDARD  
 ALL CONCENTRATIONS EXPRESSED  
 IN PARTS PER BILLION (ppb)

**LEGEND**

MW ⊕ = MONITORING WELL LOCATION  
 GP ⊕ = SIGMA GEOPROBE LOCATION  
 SB ⊕ = COOPER SOIL BORING  
 SB/MW ⊕ = COOPER MONITORING WELL  
 ⊕ = FORMER UST LOCATION  
 --- = CYCLONE FENCE



APPLEBY'S SERVICE, INC.

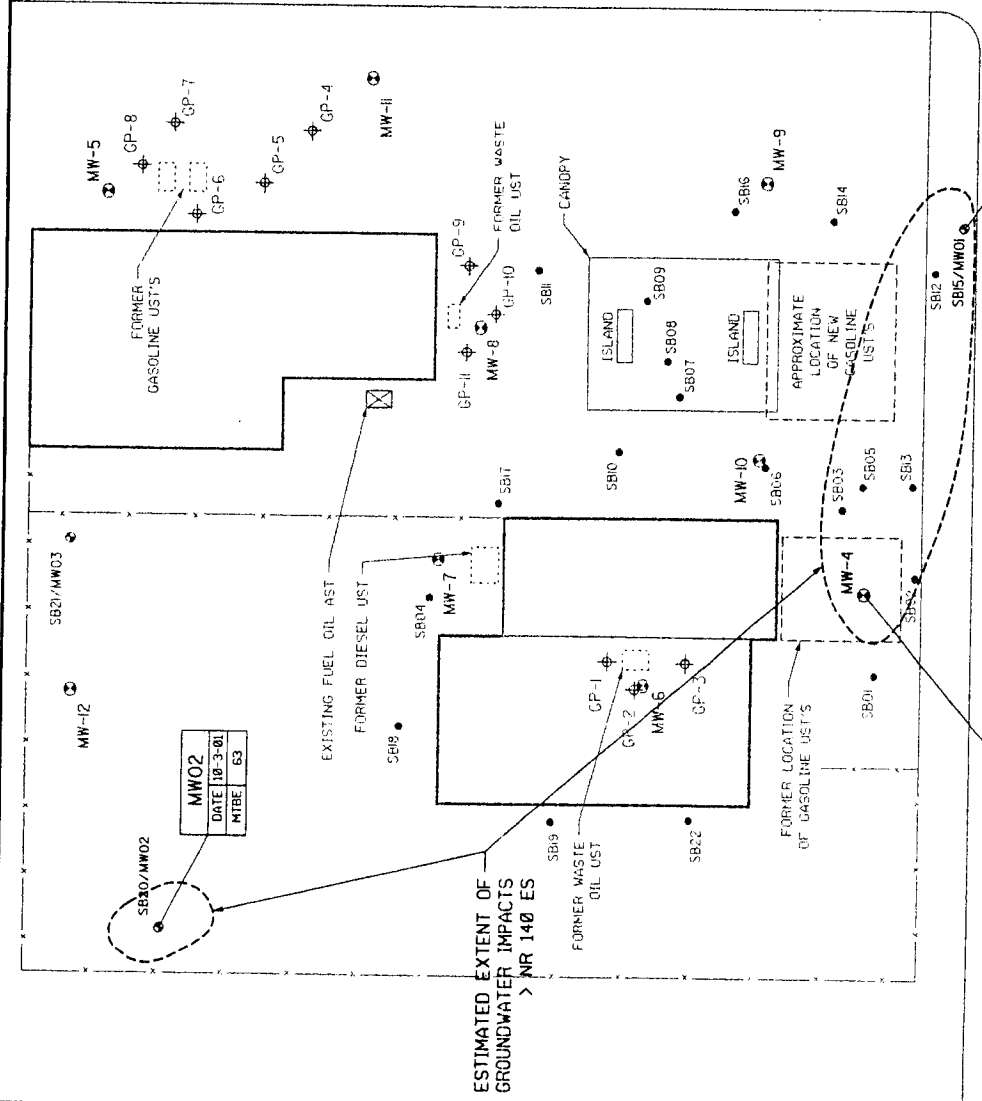
7501 N. PORT WASHINGTON RD., GLENDALE, WI

DATE: 7-29-03 DR. BY: BEB DR.# 4675-010 SCALE: 1" = 30'

GROUNDWATER QUALITY MAP  
 (ES EXCEEDENCES ONLY)

FIGURE 2

N. PORT WASHINGTON ROAD (ASPHALT)



<b>MW-2</b>	
DATE	10-3-01
MTBE	63
T-TMB	<ES

<b>MW-4</b>	
DATE	10-3-01
BENZENE	1,400
T-TMB	606
<ES	

<b>MW-14</b>	
DATE	10-3-01
MTBE	86
T-TMB	<ES

NOTE:  
 SITE FEATURES BASED ON SITE PLAN MAP  
 DATED 6-30-92, BY COOPER  
 ENVIRONMENTAL RESOURCES, INC.

DRIVEWAY

DRAINAGE DITCH

W. BAYFIELD AVENUE (ASPHALT)

DRAINAGE DITCH

DRAINAGE DITCH

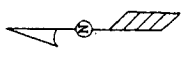


**TABLE 1  
 STATIC GROUNDWATER ELEVATIONS  
 Appleby's Service, Inc.  
 7501 North Port Washington Road  
 Glendale, Wisconsin  
 Project #4675**

Well ID	Top of Casing Elevation	Date	Depth to Groundwater	Groundwater Elevation
MW-1	696.31	10/27/1999	4.47	691.84
		01/27/2000	5.50	690.81
		07/02/2001	4.43	691.88
		10/03/2001	4.27	692.04
		05/14/2003	4.51	691.80
MW-2	695.00	10/27/1999	7.47	687.53
		01/27/2000	7.31	687.69
		07/02/2001	5.21	689.79
		10/03/2001	7.73	687.27
		05/14/2003	3.14	691.86
MW-3	692.88	10/27/1999	4.51	688.37
		01/27/2000	5.23	687.65
		07/02/2001	3.01	689.87
		10/03/2001	3.81	689.07
		05/14/2003	2.73	690.15
MW-4	694.62	10/27/1999	1.43	693.19
		01/27/2000	3.55	691.07
		07/02/2001	0.90	693.72
		10/03/2001	0.91	693.71
		05/14/2003	0.62	694.00
MW-5	690.92	10/27/1999	3.30	687.62
		01/27/2000	4.73	686.19
		07/02/2001	2.70	688.22
		10/03/2001	3.32	687.60
		05/14/2003	2.58	688.34
MW-6	694.67	10/27/1999	14.60	680.07
		01/27/2000	13.45	681.22
		07/02/2001	2.83	691.84
		10/03/2001	2.43	692.24
		05/14/2003	2.89	691.78
MW-7	693.44	10/27/1999	12.17	681.27
		01/27/2000	4.55	688.89
		10/03/2001	NA	NA
		05/14/2003	0.66	692.78
		10/27/1999	13.85	678.87
MW-8	692.72	01/27/2000	5.16	687.56
		07/02/2001	4.11	688.61
		10/03/2001	3.94	688.78
		05/14/2003	3.74	688.98
		07/02/2001	7.39	685.28
MW-9	692.67	10/03/2001	4.85	687.82
		05/14/2003	0.72	691.95
		07/02/2001	0.84	691.52
MW-10	692.36	10/03/2001	0.50	691.86
		05/14/2003	0.64	691.72
		07/02/2001	12.40	678.14
MW-11	690.54	10/03/2001	12.43	678.11
		05/14/2003	12.38	678.16
		07/02/2001	1.04	690.48
MW-12	691.52	10/03/2001	1.79	693.37
		05/14/2003	1.58	693.58
		07/02/2001	4.63	690.53
MW-13	695.16	10/03/2001	5.67	689.49
		05/14/2003	2.62	692.54
		07/02/2001	6.50	687.27
MW-14	693.77	10/03/2001	7.12	686.65
		05/14/2003	5.77	688.00

Key: Depths are in feet below ground surface.  
 Elevations are based on a survey performed on 3/7/00 by Surveying Associates, Inc.





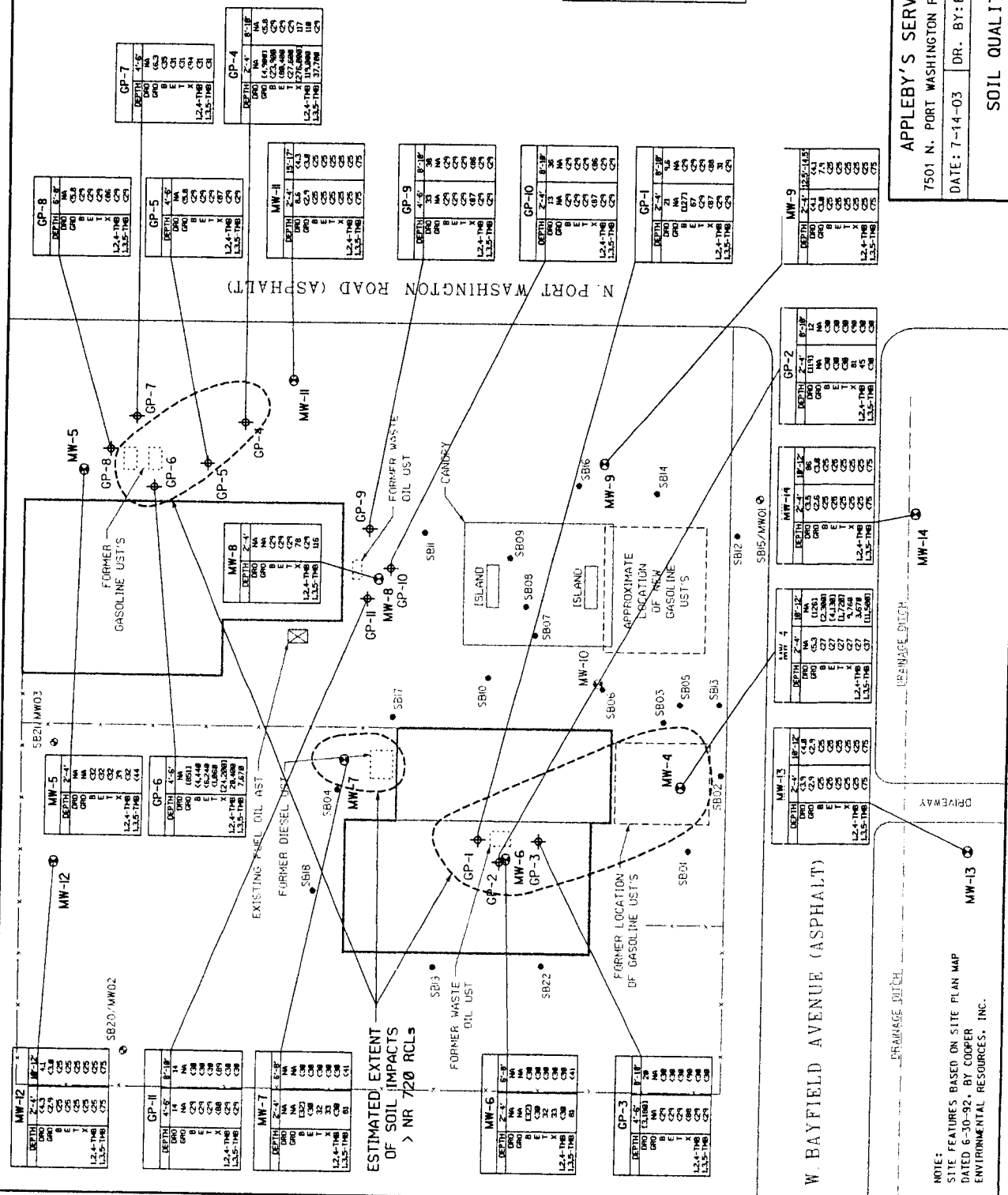
**ANALYTICAL KEY**

DRO = DIESEL RANGE ORGANICS  
 GRO = GASOLINE RANGE ORGANICS  
 B = BENZENE  
 E = ETHYLBENZENE  
 T = TOLUENE  
 X = TOTAL XYLENES  
 1,2,4-TMB = 1,2,4-TRIMETHYLBENZENE  
 1,3,5-TMB = 1,3,5-TRIMETHYLBENZENE  
 NA = NOT ANALYZED  
 { } = EXCEEDS NR 720 RCL

- ALL BTEX CONCENTRATIONS EXPRESSED IN MILLIGRAMS PER KILOGRAM (MG/KG)  
 - DRO & GRO CONCENTRATIONS EXPRESSED IN MICROGRAMS PER KILOGRAM (UG/KG)

**LEGEND**

MW ⊕ = MONITORING WELL LOCATION  
 GP ⊕ = SIGMA GEOPROBE LOCATION  
 SB ⊕ = COOPER SOIL BORING  
 SB/MW ⊕ = COOPER MONITORING WELL  
 ⊕ = FORMER UST LOCATION  
 --- X --- = CYCLONE FENCE



ESTIMATED EXTENT OF SOIL IMPACTS > NR 720 RCLs

NOTE:  
 SITE FEATURES BASED ON SITE PLAN MAP DATED 6-30-92, BY COOPER ENVIRONMENTAL RESOURCES, INC.

APPLEBY'S SERVICE, INC.  
 7501 N. PORT WASHINGTON RD., GLENDALE, WI  
 DATE: 7-14-03 DR. BY: BEB DR. # 4675-013 SCALE: 1" = 30'

SOIL QUALITY MAP

FIGURE 3

July 31, 2003

Project Reference #4675

Mr. Dave Eastman  
City of Glendale - Director of Public Works  
5909 North Milwaukee River Parkway  
Milwaukee, Wisconsin 53209

**FILED**  
7-31-03

**RE: Notice of Residual Petroleum Impacts  
Within Public Street, Right-of-Way  
Appleby's Service, Inc.  
7501 North Port Washington Rd, Glendale, WI**

Dear Mr. Eastman:

On behalf of Appleby's Service, Inc., Sigma Environmental Services, Inc. (Sigma) is notifying the City of Glendale Public Works Department regarding the potential presence of residual petroleum hydrocarbon impacts within groundwater at the above referenced site. The Appleby's site is in the process of obtaining closure by the Wisconsin Department of Commerce upon the condition of filing GIS registry information and notifying municipal authorities of petroleum impacts extending into publicly owned property and adjacent right-of-ways.

Sigma is notifying your department pursuant to Wisconsin Administrative Code, Chapter NR 726.05 (2)(b)(4), of the potential presence of groundwater impacts beneath the right-of-way of West Bayfield Avenue, which may exceed applicable Wisconsin Administrative Code, Chapter NR140 standards for groundwater.

Sigma has enclosed a Groundwater Quality Map showing the monitoring well locations, historical groundwater quality data and the designated area of residual impacts. The site investigation, remediation and monitoring data has confirmed that the groundwater contaminant plume is stable or receding and that natural attenuation will restore the groundwater to NR 140 Enforcement Standards (ESs) within a reasonable period of time.

Should you or any subsequent property owner wish to construct or reconstruct a potable well within the specified areas of your property and right-of-ways, special well construction standards may be necessary to protect the well from the residual groundwater contamination. Any well driller who proposes to construct a well



within the specified limits of these properties will first need to contact the Drinking Water program within the WDNR to determine if there is a need for special well construction standards. In addition, if groundwater is to be extracted in the vicinity of the above referenced impacts, the groundwater shall be sampled and managed in compliance with applicable statutes and rules.

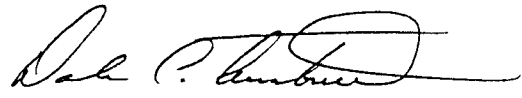
If you have any questions or comments, please contact me at (414) 768-7144 or Commerce at (414) 220-5403.

Sincerely,

SIGMA ENVIRONMENTAL SERVICES, INC.



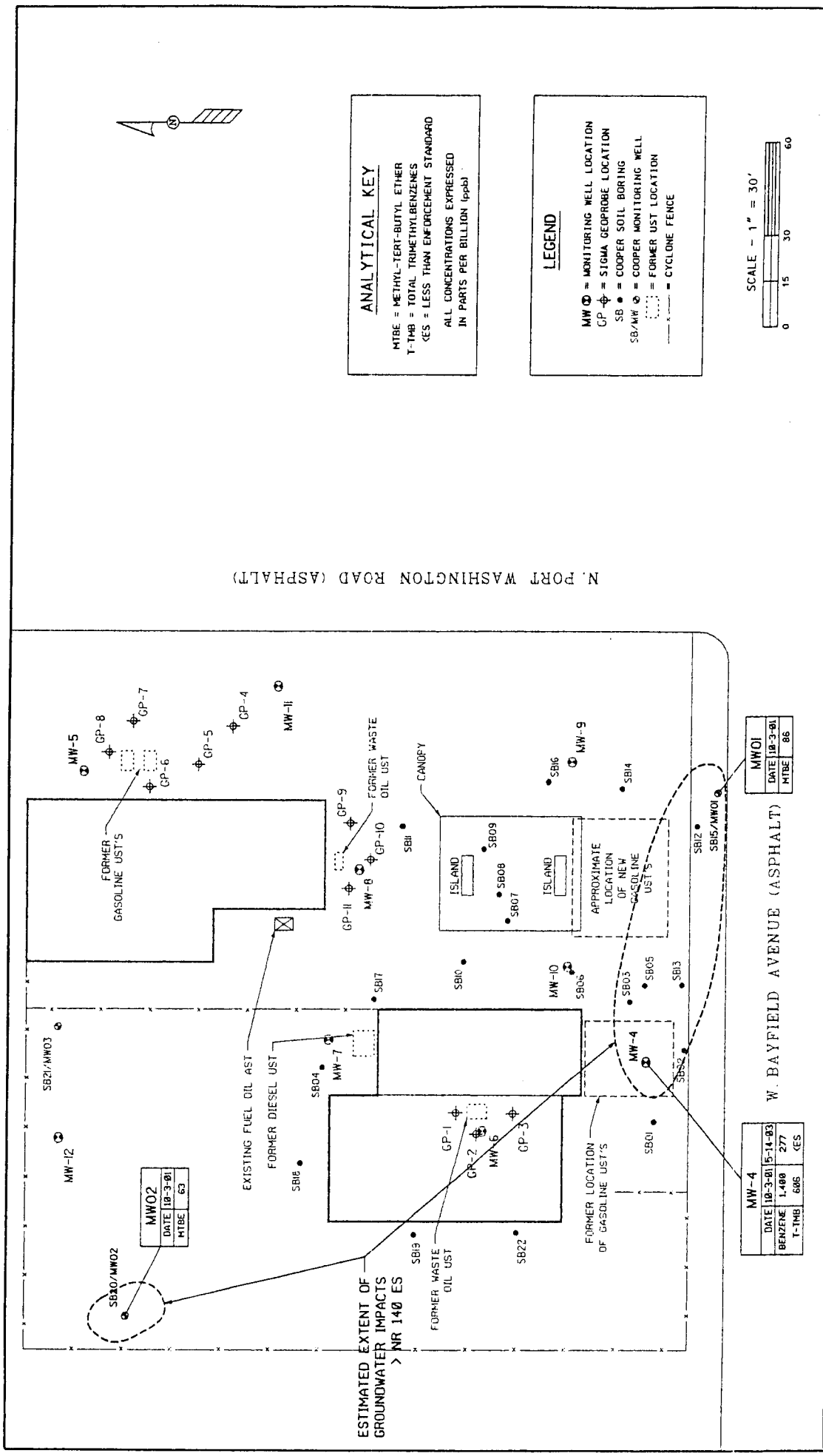
Aimee Hennings  
Staff Geologist



Dale C. Armbruster, P.G.  
Senior Hydrogeologist

Enclosure

cc: Thomas Appleby – Appleby's Service, Inc.



N. PORT WASHINGTON ROAD (ASPHALT)

ESTIMATED EXTENT OF GROUNDWATER IMPACTS > NR 140 ES

MW-4	
DATE	10-3-91
BENZENE	1,488
T-TMB	696
<ES	

MW-1	
DATE	10-3-91
MTBE	86
<ES	

NOTE:  
SITE FEATURES BASED ON SITE PLAN MAP  
DATED 6-30-92, BY COOPER  
ENVIRONMENTAL RESOURCES, INC.

DRAINAGE DITCH

DRIVEWAY

DRAINAGE DITCH

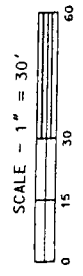
W. BAYFIELD AVENUE (ASPHALT)

**ANALYTICAL KEY**

MTBE = METHYL-TERT-BUTYL ETHER  
T-TMB = TOTAL TRIMETHYLBENZENES  
<ES = LESS THAN ENFORCEMENT STANDARD  
ALL CONCENTRATIONS EXPRESSED  
IN PARTS PER BILLION (ppb)

**LEGEND**

MW ⊕ = MONITORING WELL LOCATION  
GP ⊕ = SIGMA GEOPROBE LOCATION  
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SB/MW ⊕ = COOPER MONITORING WELL  
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--- = CYCLONE FENCE



**APPLEBY'S SERVICE, INC.**  
7501 N. PORT WASHINGTON RD., GLENDALE, WI  
DATE: 7-29-03 DR. BY: BEB DR. # 4675-010 SCALE: 1" = 30'

**SIGMA**  
ENVIRONMENTAL SERVICES, INC.

GROUNDWATER QUALITY MAP  
(ES EXCEEDENCES ONLY)

**FIGURE 2**

July 31, 2003

Project Reference #4675

Susanne M. Hanaman  
Glendale City Clerk  
5909 North Milwaukee River Parkway  
Milwaukee, WI 53209

**MAILED**  
7-31-03

**RE: Notification of Contamination Within Right-of-Way for  
West Bayfield Avenue, Glendale, Wisconsin.**

Dear Ms. Hanaman:

Enclosed, please find a copy of the Notification of Contamination within right-of-way letter, which was sent to the City of Glendale Director of Public Works, Dave Eastman. Wisconsin Administrative Code, Chapter NR 726.05 (2)(b)(4) requires the Municipal Clerk and Municipal Department responsible for maintaining the street or highway be given written notification of the presence of petroleum impacts within the right-of-way. The attached letter serves as this notification. Please place a copy of this notification in the appropriate files.


If you have any questions or comments regarding this notification, please feel free to contact Sigma at (414) 768-7144.

Sincerely,

**SIGMA ENVIRONMENTAL SERVICES, INC.**



Aimee Hennings  
Staff Geologist



Dale C. Armbruster, P.G.  
Senior Hydrogeologist

Enclosure

cc: Thomas Appleby – Appleby's Service, Inc.



July 31, 2003

Project Reference #4675

Mr. Dave Eastman  
City of Glendale - Director of Public Works  
5909 North Milwaukee River Parkway  
Milwaukee, Wisconsin 53209

**RE: Notice of Residual Petroleum Impacts  
Within Public Street, Right-of-Way  
Appleby's Service, Inc.  
7501 North Port Washington Rd, Glendale, WI**

Dear Mr. Eastman:

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Sigma is notifying your department pursuant to Wisconsin Administrative Code, Chapter NR 726.05 (2)(b)(4), of the potential presence of groundwater impacts beneath the right-of-way of West Bayfield Avenue, which may exceed applicable Wisconsin Administrative Code, Chapter NR140 standards for groundwater.

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Should you or any subsequent property owner wish to construct or reconstruct a potable well within the specified areas of your property and right-of-ways, special well construction standards may be necessary to protect the well from the residual groundwater contamination. Any well driller who proposes to construct a well





within the specified limits of these properties will first need to contact the Drinking Water program within the WDNR to determine if there is a need for special well construction standards. In addition, if groundwater is to be extracted in the vicinity of the above referenced impacts, the groundwater shall be sampled and managed in compliance with applicable statutes and rules.

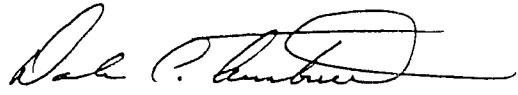
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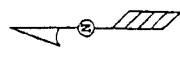
Aimee Hennings  
Staff Geologist



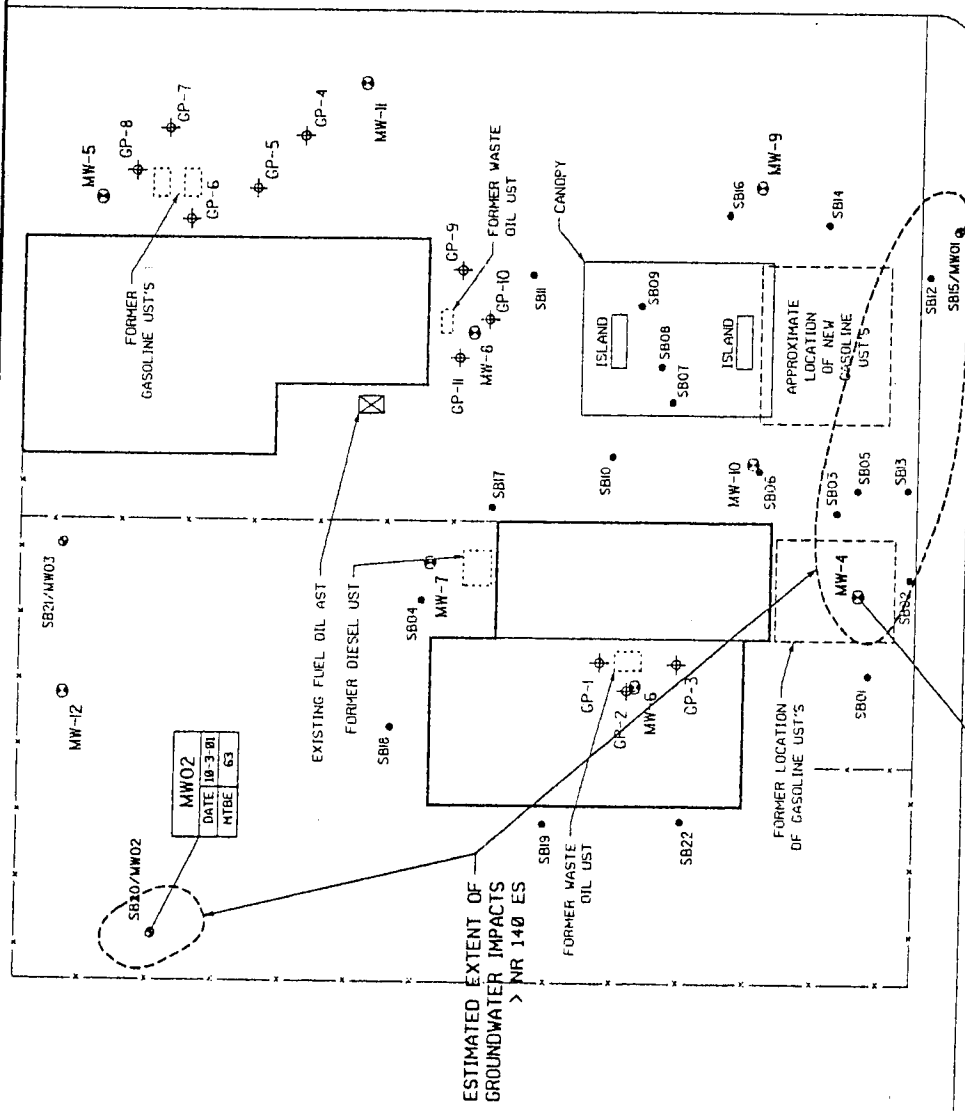
Dale C. Armbruster, P.G.  
Senior Hydrogeologist

Enclosure

cc: Thomas Appleby – Appleby's Service, Inc.



N. PORT WASHINGTON ROAD (ASPHALT)



ESTIMATED EXTENT OF  
GROUNDWATER IMPACTS  
> NR 140 ES

MWO1
DATE 10-3-01
MTBE 88

MWO1
DATE 10-3-01
MTBE 88

MW-4
DATE 10-3-01
BENZENE 1,408
T-TMB 277
MTBE 605
GES

MW-4
DATE 10-3-01
BENZENE 1,408
T-TMB 277
MTBE 605
GES

NOTE:  
SITE FEATURES BASED ON SITE PLAN MAP  
DATED 6-30-92, BY COOPER  
ENVIRONMENTAL RESOURCES, INC.

MW-13

DRIVEWAY

DRAINAGE DITCH

MW-14

W. BAYFIELD AVENUE (ASPHALT)

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SB/MW ⊕ = COOPER MONITORING WELL  
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**APPLEBY'S SERVICE, INC.**  
7501 N. PORT WASHINGTON RD., GLENDALE, WI  
DATE: 7-29-03 DR. BY: BEB DR. # 4675-010 SCALE: 1" = 30'  
**SIGMA**  
ENVIRONMENTAL SERVICES, INC.  
GROUNDWATER QUALITY MAP  
(ES EXCEEDENCES (MI Y))