

**GIS REGISTRY**  
**Cover Sheet**

March, 2010  
(RR 5367)

**Source Property Information**

CLOSURE DATE: 7/02/2010

**BRRTS #:** 02-68-364177  
**ACTIVITY NAME:** Petron Corporation  
**PROPERTY ADDRESS:** 16700 West Glendale Drive, New Berlin, WI 53151  
**MUNICIPALITY:** City of New Berlin  
**PARCEL ID #:** 1190-028-002

**FID #:** 268165480

**DATCP #:**

**COMM #:** None

**\*WTM COORDINATES:**

**WTM COORDINATES REPRESENT:**

X: 673120 Y: 282233

*\* Coordinates are in  
WTM83, NAD83 (1991)*

Approximate Center Of Contaminant Source

Approximate Source Parcel Center

**Please check as appropriate: (BRRTS Action Code)**

**Contaminated Media:**

**Groundwater Contamination > ES (236)**

**Soil Contamination > \*RCL or \*\*SSRCL (232)**

Contamination in ROW

Contamination in ROW

Off-Source Contamination

Off-Source Contamination

*(note: for list of off-source properties  
see "Impacted Off-Source Property" form)*

*(note: for list of off-source properties  
see "Impacted Off-Source Property" form)*

**Land Use Controls:**

N/A (Not Applicable)

**Cover or Barrier (222)**

Soil: maintain industrial zoning (220)

*(note: maintenance plan for  
groundwater or direct contact)*

*(note: soil contamination concentrations  
between non-industrial and industrial levels)*

Vapor Mitigation (226)

Structural Impediment (224)

Maintain Liability Exemption (230)

Site Specific Condition (228)

*(note: local government unit or economic  
development corporation was directed to  
take a response action)*

**Monitoring Wells:**

Are all monitoring wells properly abandoned per NR 141? (234)

Yes  No  N/A

*\* Residual Contaminant Level*

*\*\*Site Specific Residual Contaminant Level*

This Adobe Fillable form is intended to provide a list of information that is required for evaluation for case closure. It is to be used in conjunction with Form 4400-202, Case Closure Request. The closure of a case means that the Department has determined that no further response is required at that time based on the information that has been submitted to the Department.

**NOTICE: Completion of this form is mandatory** for applications for case closure pursuant to ch. 292, Wis. Stats. and ch. NR 726, Wis. Adm. Code, including cases closed under ch. NR 746 and ch. NR 726. The Department will not consider, or act upon your application, unless all applicable sections are completed on this form and the closure fee and any other applicable fees, required under ch. NR 749, Wis. Adm. Code, Table 1 are included. It is not the Department's intention to use any personally identifiable information from this form for any purpose other than reviewing closure requests and determining the need for additional response action. The Department may provide this information to requesters as required by Wisconsin's Open Records law [ss. 19.31 - 19.39, Wis. Stats.].

BRRTS #:

02-68-364177

PARCEL ID #:

1190-028-002

ACTIVITY NAME:

Petron Corporation

WTM COORDINATES: X:

673120

Y:

282233

**CLOSURE DOCUMENTS** (the Department adds these items to the final GIS packet for posting on the Registry)

- Closure Letter**
- Maintenance Plan** (if activity is closed with a land use limitation or condition (land use control) under s. 292.12, Wis. Stats.)
- Conditional Closure Letter**
- Certificate of Completion (COC)** for VPLE sites

**SOURCE LEGAL DOCUMENTS**

- Deed:** The most recent deed as well as legal descriptions, for the **Source Property** (where the contamination originated). Deeds for other, off-source (off-site) properties are located in the **Notification** section.  
*Note: If a property has been purchased with a land contract and the purchaser has not yet received a deed, a copy of the land contract which includes the legal description shall be submitted instead of the most recent deed. If the property has been inherited, written documentation of the property transfer should be submitted along with the most recent deed.*
- Certified Survey Map:** A copy of the certified survey map or the relevant section of the recorded plat map for those properties where the legal description in the most recent deed refers to a certified survey map or a recorded plat map. (lots on subdivided or platted property (e.g. lot 2 of xyz subdivision)).  
**Figure #: 1B**                      **Title: Certified Survey Map**
- Signed Statement:** A statement signed by the Responsible Party (RP), which states that he or she believes that the attached legal description accurately describes the correct contaminated property.

**MAPS** (meeting the visual aid requirements of s. NR 716.15(2)(h))

Maps must be no larger than 8.5 x 14 inches unless the map is submitted electronically.

- Location Map:** A map outlining all properties within the contaminated site boundaries on a U.S.G.S. topographic map or plat map in sufficient detail to permit easy location of all parcels. If groundwater standards are exceeded, include the location of all potable wells within 1200 feet of the site.  
*Note: Due to security reasons municipal wells are not identified on GIS Packet maps. However, the locations of these municipal wells must be identified on Case Closure Request maps.*  
**Figure #: 2A**                      **Title: Site Location**
- Detailed Site Map:** A map that shows all relevant features (buildings, roads, individual property boundaries, contaminant sources, utility lines, monitoring wells and potable wells) within the contaminated area. This map is to show the location of all contaminated public streets, and highway and railroad rights-of-way in relation to the source property and in relation to the boundaries of groundwater contamination exceeding a ch. NR 140 Enforcement Standard (ES), and/or in relation to the boundaries of soil contamination exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Levels (SSRCL) as determined under s. NR 720.09, 720.11 and 720.19.  
**Figure #: 2B**                      **Title: Site Map**
- Soil Contamination Contour Map:** For sites closing with residual soil contamination, this map is to show the location of all contaminated soil and a single contour showing the horizontal extent of each area of contiguous residual soil contamination that exceeds a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Level (SSRCL) as determined under s. NR 720.09, 720.11 and 720.19.  
**Figure #: 2C**                      **Title: Estimated Extent of Soil Impacts**

BRRTS #: 02-68-364177

ACTIVITY NAME: Petron Corporation

**MAPS (continued)**

- Geologic Cross-Section Map:** A map showing the source location and vertical extent of residual soil contamination exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Level (SSRCL). If groundwater contamination exceeds a ch. NR 140 Enforcement Standard (ES) when closure is requested, show the source location and vertical extent, water table and piezometric elevations, and locations and elevations of geologic units, bedrock and confining units, if any.

**Figure #: 2D Title: Geologic Cross Section A-A'**

**Figure #: Title:**

- Groundwater Isoconcentration Map:** For sites closing with residual groundwater contamination, this map shows the horizontal extent of all groundwater contamination exceeding a ch. NR140 Preventive Action Limit (PAL) and an Enforcement Standard (ES). Indicate the direction and date of groundwater flow, based on the most recent sampling data.

**Note:** This is intended to show the total area of contaminated groundwater.

**Figure #: 2E Title:**

- Groundwater Flow Direction Map:** A map that represents groundwater movement at the site. If the flow direction varies by more than 20° over the history of the site, submit 2 groundwater flow maps showing the maximum variation in flow direction.

**Figure #: 2F Title: Water Table Contour Map 12/8/2009**

**Figure #: Title:**

**TABLES (meeting the requirements of s. NR 716.15(2)(h)(3))**

Tables must be no larger than 8.5 x 14 inches unless the table is submitted electronically. Tables must not contain shading and/or cross-hatching. The use of **BOLD** or *ITALICS* is acceptable.

- Soil Analytical Table:** A table showing remaining soil contamination with analytical results and collection dates.  
**Note:** This is one table of results for the contaminants of concern. Contaminants of concern are those that were found during the site investigation, that remain after remediation. It may be necessary to create a new table to meet this requirement.

**Table #: Title: No confirmation samples collected after EOS injection.**

- Groundwater Analytical Table:** Table(s) that show the most recent analytical results and collection dates, for all monitoring wells and any potable wells for which samples have been collected.

**Table #: 1 Title: Summary of Ground Water Analytical Results**

- Water Level Elevations:** Table(s) that show the previous four (at minimum) water level elevation measurements/dates from all monitoring wells. If present, free product is to be noted on the table.

**Table #: 2 Title: Water Level Elevation**

**IMPROPERLY ABANDONED MONITORING WELLS**

For each monitoring well not properly abandoned according to requirements of s. NR 141.25 include the following documents.

**Note:** If the site is being listed on the GIS Registry for only an improperly abandoned monitoring well you will only need to submit the documents in this section for the GIS Registry Packet.

- Not Applicable**

- Site Location Map:** A map showing all surveyed monitoring wells with specific identification of the monitoring wells which have not been properly abandoned.

**Note:** If the applicable monitoring wells are distinctly identified on the Detailed Site Map this Site Location Map is not needed.

**Figure #: Title:**

- Well Construction Report:** Form 4440-113A for the applicable monitoring wells.

- Deed:** The most recent deed as well as legal descriptions for each property where a monitoring well was not properly abandoned.

- Notification Letter:** Copy of the notification letter to the affected property owner(s).

BRRTS #: 02-68-364177

ACTIVITY NAME: Petron Corporation

## NOTIFICATIONS

### Source Property

- Letter To Current Source Property Owner:** If the source property is owned by someone other than the person who is applying for case closure, include a copy of the letter notifying the current owner of the source property that case closure has been requested.
- Return Receipt/Signature Confirmation:** Written proof of date on which confirmation was received for notifying current source property owner.

### Off-Source Property

Group the following information per individual property and label each group according to alphabetic listing on the "Impacted Off-Source Property" attachment.

- Letter To "Off-Source" Property Owners:** Copies of all letters sent by the Responsible Party (RP) to owners of properties with groundwater exceeding an Enforcement Standard (ES), and to owners of properties that will be affected by a land use control under s. 292.12, Wis. Stats.  
**Note:** Letters sent to off-source properties regarding residual contamination must contain standard provisions in Appendix A of ch. NR 726.

#### Number of "Off-Source" Letters:

- Return Receipt/Signature Confirmation:** Written proof of date on which confirmation was received for notifying any off-source property owner.
- Deed of "Off-Source" Property:** The most recent deed(s) as well as legal descriptions, for all affected deeded **off-source property(ies)**. This does not apply to right-of-ways.  
**Note:** If a property has been purchased with a land contract and the purchaser has not yet received a deed, a copy of the land contract which includes the legal description shall be submitted instead of the most recent deed. If the property has been inherited, written documentation of the property transfer should be submitted along with the most recent deed.
- Letter To "Governmental Unit/Right-Of-Way" Owners:** Copies of all letters sent by the Responsible Party (RP) to a city, village, municipality, state agency or any other entity responsible for maintenance of a public street, highway, or railroad right-of-way, within or partially within the contaminated area, for contamination exceeding a groundwater Enforcement Standard (ES) and/or soil exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Level (SSRCL).

#### Number of "Governmental Unit/Right-Of-Way Owner" Letters:



## State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor  
Matthew J. Frank, Secretary  
Gloria L. McCutchen, Regional Director

Southeast Region Headquarters  
2300 N. Dr. Martin Luther King, Jr. Drive  
Milwaukee, Wisconsin 53212  
Telephone 414-263-8500  
FAX 414-263-8606

July 2, 2010

Mr. Jim Bittner  
Petron Corporation  
16800 West Glendale Drive  
New Berlin, WI 53151

Subject: Final Closure  
Petron Corporation, 16800 Glendale Drive, New Berlin, WI 53151  
FID# 268165480 BRRTS Activity # 02-68-364177

Dear Mr. Bittner:

The Wisconsin Department of Natural Resources (the Department) has reviewed the above referenced case for closure. The Department reviews environmental remediation cases for compliance with state laws and standards to maintain consistency in the closure of these cases. On March 26, 2010, you were notified that the Department had granted conditional closure to this case.

The Department has since received information or documentation indicating that you have complied with the requirements for final closure. All groundwater monitoring wells have been abandoned in compliance with ch. NR 141, Wis. Adm. Code.

Based on the correspondence and data provided, it appears that your case meets the closure requirements in ch. NR 726, Wisconsin Administrative Code. The Department considers this case closed and no further investigation or remediation is required at this time, however, you and future property owners must comply with the continuing obligations as explained in this letter.

### GIS Registry

This site will be listed on the Remediation and Redevelopment Program's GIS Registry. The specific reasons are summarized below:

- Residual soil contamination exists that must be properly managed should it be excavated or removed.
- Pavement, an engineered cover or a soil barrier must be maintained over contaminated soil and the state must approve any changes to this barrier.
- Groundwater contamination is present above Chapter NR 140 enforcement standards.

This letter and information that was submitted with your closure request application will be included on the GIS Registry. To review the sites on the GIS Registry web page, visit the RR Sites Map page at <http://dnr.wi.gov/org/aw/rr/gis/index.htm>. If the property is listed on the GIS

Registry because of remaining contamination and you intend to construct or reconstruct a well, you will need prior Department approval in accordance with s. NR 812.09(4) (w), Wis. Adm. Code. To obtain approval, Form 3300-254 needs to be completed and submitted to the DNR Drinking and Groundwater program's regional water supply specialist. This form can be obtained on-line <http://dnr.wi.gov/org/water/dwg/3300254.pdf> or at the web address listed above for the GIS Registry.

#### Closure Conditions

Please be aware that pursuant to s. 292.12 Wisconsin Statutes, compliance with the requirements of this letter is a responsibility to which you the current property owner and any subsequent property owners must adhere. You must pass on the information about these continuing obligations to the next property owner or owners. If these requirements are not followed or if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety, welfare, or the environment, the Department may take enforcement action under s. 292.11 Wisconsin Statutes to ensure compliance with the specified requirements, limitations or other conditions related to the property or this case may be reopened pursuant to s. NR 726.09, Wis. Adm. Code. The Department intends to conduct inspections in the future to ensure that the conditions included in this letter (including compliance with referenced maintenance plans) are met.

#### Cover or Barrier

Pursuant to s. 292.12(2)(a), Wis. Stats., the building (pavement) that currently exists in the location shown on the attached maps (Drawing 1 and Figure 1) shall be maintained in compliance with the attached maintenance plan in order to prevent direct contact with residual soil contamination that might otherwise pose a threat to human health. If soil in the specific locations shown in Drawing 1 and Figure 1 is excavated in the future, the property owner at the time of excavation must sample and analyze the excavated soil to determine if residual contamination remains. If sampling confirms that contamination is present the property owner at the time of excavation will need to determine whether the material is considered solid or hazardous waste and ensure that any storage, treatment or disposal is in compliance with applicable statutes and rules. In addition, all current and future owners and occupants of the property need to be aware that excavation of the contaminated soil may pose an inhalation or other direct contact hazard and as a result special precautions may need to be taken during excavation activities to prevent a health threat to humans. The attached maintenance plan and inspection log are to be kept up-to-date and on-site. Please submit the inspection log to the Department upon request.

#### Prohibited Activities

The following activities are prohibited on any portion of the property where the building (pavement) is required as shown on the attached maps (Drawing 1 and Figure 1), unless prior written approval has been obtained from the Wisconsin Department of Natural Resources: 1) removal of the existing barrier; 2) replacement with another barrier; 3) excavating or grading of

the land surface; 4) filling on capped or paved areas; 5) plowing for agricultural cultivation; 6) construction or placement of a building or other structure.

#### Residual Groundwater Contamination

Groundwater impacted by petroleum and chlorinated compound contamination greater than enforcement standards set forth in ch. NR140, Wis. Adm. Code, is present on this property. For more detailed information regarding the locations where groundwater samples have been collected (i.e., monitoring well locations) and the associated contaminant concentrations, refer to the Remediation and Redevelopment Program's GIS Registry at the RR Sites Map page at <http://dnr.wi.gov/org/aw/rr/gis/index.htm>.

#### Post-Closure Notification Requirements

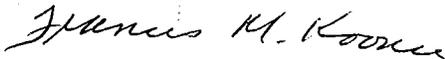
In accordance with ss, 292.12 and 292.13, Wis. Stats., you must notify the Department before making changes that affect or relate to the conditions of closure in this letter. For this case, examples of changed conditions requiring prior notification include, but are not limited to:

- Disturbance, construction on, change or removal in whole or part of the building (pavement), an engineered cover or a soil barrier that must be maintained over contaminated soil

Please send written notifications in accordance with the above requirements to (with the site FID# and BRRTS# noted) to: Victoria Stovall, Wisconsin Department of Natural Resources, 2300 N. Dr. ML King Dr., Milwaukee, WI 53212.

The Department appreciates your efforts to restore the environment at this site. If you have any questions regarding this closure decision or anything outlined in this letter, please contact Jim Delwiche at (262) 574-2145 in the Waukesha Service Center.

Sincerely,



Frances Koonce  
Team Supervisor  
Southeast Region, Remediation & Redevelopment Program

Attachments: Maintenance Plan  
Figure 1 – Impacted Soil and Cap  
Drawing Number 1 – Site Map

cc: Jeffrey C. Steiner, P.G. – Ayers Associates  
Jim Delwiche – WDNR Waukesha  
SER Case File

# CAP MAINTENANCE PLAN

December 2009

Property Located at: 16700 West Glendale Drive, New Berlin, WI 53151  
FID # 268165480, WDNR BRRTS #02-68-364177

Parcel D, Waukesha County Certified Survey Map No. 763, New Berlin, County of Waukesha, State of Wisconsin; Tax Parcel No. 1190.028.002

## Introduction

This document is the Cap Maintenance Plan for a concrete cover and building barrier at the above-referenced property in accordance with the requirements of s. NR 724.13(2), Wisconsin Administrative Code. The maintenance activities relate to the new concrete cap and existing slab on grade building occupying the area over the groundwater plume and contaminated soil on site. The groundwater and soil are impacted by chlorinated solvents including the source compound 1,1,1-trichloroethane and the breakdown products 1,1,1-dichloroethane, 1,1,1-dichloroethene, and chloroethane. The locations of the concrete surfaces and building to be maintained in accordance with this Cap Maintenance Plan are identified on the attached map.

## Cover and Building Barrier Purpose

The concrete surfaces and the building foundation over the contaminated soil and groundwater plume serve as a barrier to prevent direct human contact with residual soil contamination that might otherwise pose a threat to human health. These paved surfaces and building foundation also act as an infiltration barrier to minimize future soil-to-groundwater contamination migration that would violate the groundwater standards in ch. NR 140, Wisconsin Administrative Code. In particular, impermeable caps, such as concrete or buildings floors over soil contaminated with residual chlorinated solvents minimize soil contaminant leaching and should be maintained. Based on the current and future use of the property, these barriers should function as intended unless disturbed.

## Annual Inspection

The concrete building foundation overlying the contaminated soil and groundwater plume as depicted in the attached map will be inspected once a year, normally in the spring after all snow and ice is gone, for deterioration, cracks and other potential problems that can cause additional infiltration into, or exposure to, underlying soils. The inspections will be performed to evaluate damage due to settling, exposure to the weather, wear from traffic, increasing age and other factors where soils have become or are likely to become exposed will be documented. A log of the inspections and any repairs will be maintained by the property owner on the form included as **Barrier Inspection Log** (attached). The log will include recommendations for necessary repair of any areas where underlying soils are exposed to take them to a condition similar to the original state. Once repairs are completed, they will be documented in the inspection log. A copy of the inspection log will be maintained by the owner and will be made available upon request to the Wisconsin Department of Natural Resources ("WDNR"), unless otherwise directed in the case

closure letter.

### **Maintenance Activities**

If problems are noted during the annual inspections or at any other time during the year, repairs will be scheduled as soon as practical. Repairs can include patching and filling operations. In the event that necessary maintenance activities expose the underlying soil, the owner must inform on-site workers or maintenance workers of the direct contact exposure hazard and provide them with appropriate personal protection equipment ("PPE"). The owner must also sample any soil that is excavated from the site prior to disposal to ascertain if contamination remains. The soil must be treated, stored and disposed of by the owner in accordance with applicable local, state and federal law.

In the event the concrete surfaces and/or the building foundation overlying the contaminated soil or groundwater plume are removed or replaced, the replacement barrier must be equally impervious. Any replacement barrier will be subject to the same maintenance and inspection guidelines as outlined in this Cap Maintenance Plan unless indicated otherwise by the WDNR or its successor.

The property owner, in order to maintain the integrity of the concrete surfaces and/or the building, will maintain a copy of this Cap Maintenance Plan on-site and make it available to all interested parties (i.e. on-site employees, contractors, future property owners, etc.) for viewing.

### **Amendment or Withdrawal of Maintenance Plan**

This Cap Maintenance Plan can be amended or withdrawn by the property owner and its successors with the written approval of WDNR.

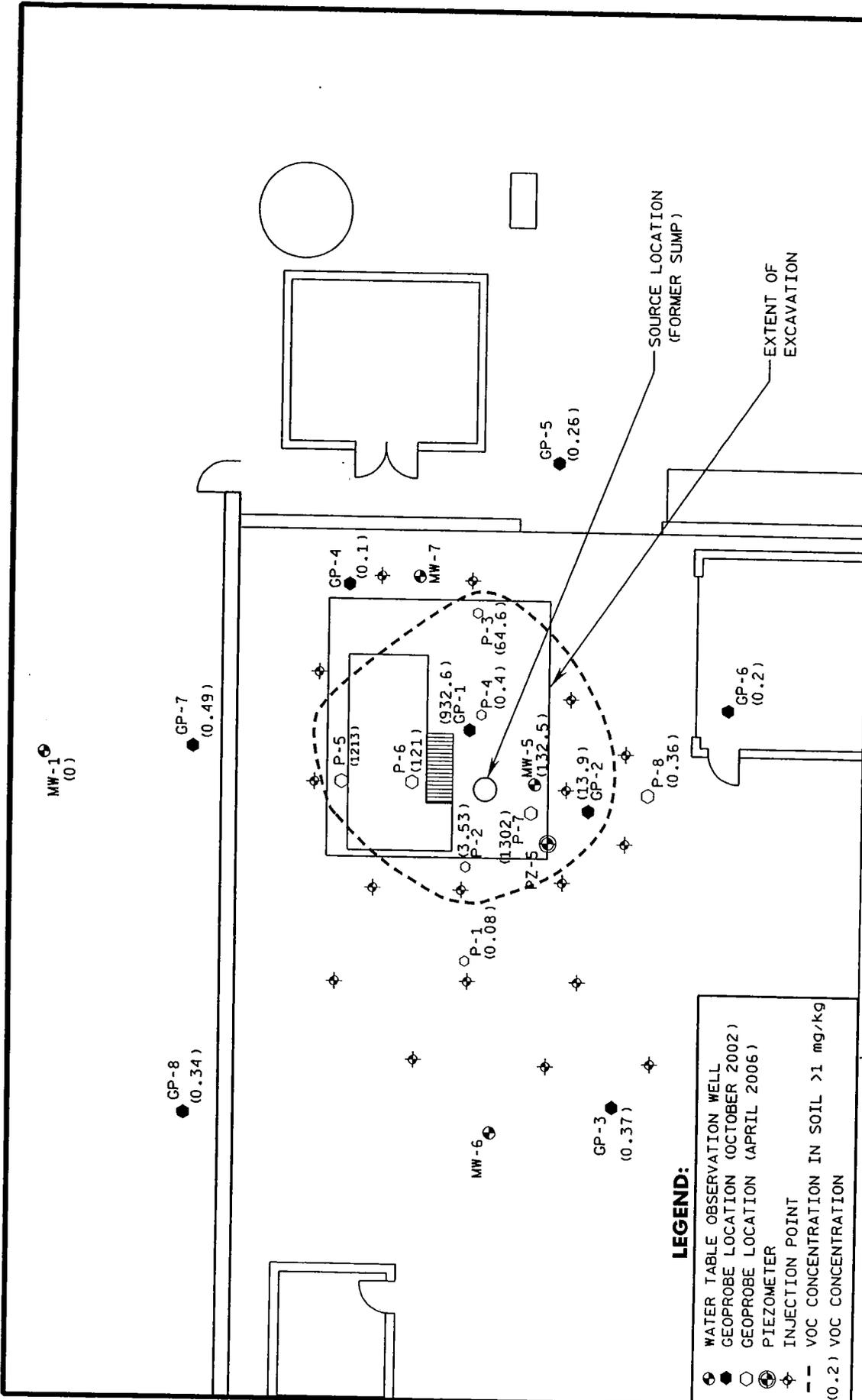
Contact Information [December 2009]

Site Owner and Operator: Mr. EW Phares  
16800 West Glendale Drive  
New Berlin, WI 53151  
(262) 797-4680

Consultant: Ayres Associates, 1802 Pankratz St., Madison, WI 53704,  
(608) 443-1200

WDNR: James Delwiche  
Wisconsin DNR  
141 NW Barstow Street, Room 180  
Waukesha, WI 53188





**FIGURE 1**  
**TOTAL VOC CONCENTRATIONS**  
**IN SOIL (mg/kg) 0-8 FT DEPTH**  
**(PRE-REMEDIATION)**  
 PETRON CORPORATION  
 16700 W. GLENDALE DRIVE  
 NEW BERLIN, WI 53151  
 DATE: 11-25-09  
 JOB NUMBER: 53-0604.00

MAPPING SOURCE:  
 AYRES ASSOCIATES  
 CADD FILES



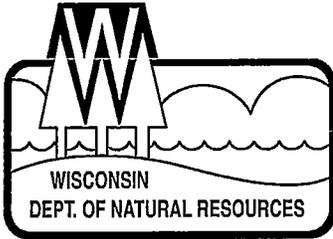
 SITE LOCATION

7.5 0 15  
 GRAPHIC SCALE IN FEET

**AYRES**  
 ASSOCIATES

H:\Environmental\53-0604.00\53060400\_01B.dgn  
 modibv.tbl  
 11/25/2009  
 11:04:47 AM





## State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor  
Matthew J. Frank, Secretary  
Gloria L. McCutcheon, Regional Director

Waukesha Service Center  
141 NW Barstow St., Room 180  
Waukesha, Wisconsin 53188  
Telephone 262-574-2100  
FAX 262-574-2117

March 26, 2010

Mr. Jim Bittner  
Petron Corporation  
16800 West Glendale Drive  
New Berlin, WI 53151

Subject: Conditional Closure Decision,  
With Requirements to Achieve Final Closure  
Petron Corporation, 16800 Glendale Drive, New Berlin, WI 53151  
FID# 268165480 BRRTS Activity # 02-68-364177

Dear Mr. Bittner:

The Department of Natural Resources (the Department) has reviewed your request for closure of the case described above. The Department reviews environmental remediation cases for compliance with state rules and statutes to maintain consistency in the closure of these cases. After careful review of the closure request, the Department has determined that the chlorinated solvent contamination on the site in the former wastewater sump area appears to have been investigated and remediated to the extent practicable under site conditions. Your case has been remediated to Department standards in accordance with s. NR 726.05, Wis. Adm. Code and will be closed if the following conditions are satisfied:

- The monitoring wells at the site must be properly abandoned in compliance with ch. NR 141, Wis. Adm. Code. Documentation of well abandonment must be submitted to the Department on Form 3300-005 found at <http://dnr.wi.gov/org/water/dwg/gw/> or provided by the Department of Natural Resources.
- Any remaining purge water, waste and/or soil piles generated as part of site investigation or remediation activities must be removed from the site and disposed of or treated in accordance with Department of Natural Resources' rules. Once that work is completed, please send appropriate documentation regarding the treatment or disposal of the remaining purge water, waste and/or soil piles.

When the above conditions have been satisfied, please submit the appropriate documentation (well abandonment forms and disposal receipts) to verify that applicable conditions have been met, and your case will be closed.

Please send all documentation of the above requirements to (with the site FID# and BRRTS# noted) to: Victoria Stovall, Wisconsin Department of Natural Resources, 2300 N. Dr. ML King Dr., Milwaukee, WI 53212.

Your site will be listed on the DNR Remediation and Redevelopment GIS Registry of Closed Remediation Sites. Information that was submitted with your closure request application will be included on the GIS Registry. To review the site on the GIS Registry web page, visit the RR Sites Map page at: <http://dnr.wi.gov/org/aw/rr/gis/index.htm>.

Please be aware that the 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 to the environment.

We appreciate your efforts to restore the environment at this site. If you have any questions regarding this letter, please contact me at (262) 574-2145.

Sincerely,



James C. Delwiche, P.G.  
Hydrogeologist  
Bureau for Remediation & Redevelopment

cc: SER Case File  
Jeffrey C. Steiner, P.G. – Ayers Associates

1031373

134 56  
FEE

1031373

STATE BAR OF WISCONSIN - FORM 1  
WARRANTY DEED  
THIS SPACE RESERVED FOR RECORDING DATA

REGISTER'S OFFICE  
WAUKESHA COUNTY, WISCONSIN

1978 JAN -9 PM 12:56

REC-26 IMAGE 470

*Spindel/Huizinger*  
REGISTER OF DEEDS

REC 280 INCL 470

First National Bank in Wauwatosa  
7430 WEST STATE STREET  
WAUWATOSA 13, WISCONSIN

Tax Key # 1190.028.002

This is not homestead property.

This Deed, made between CARL E. GEROLD, RALPH J. HUIRAS and JAY BARRETT a/k/a Jay Barrett, Jr.  
Grantor  
and PETRON CORPORATION, a Wisconsin corporation  
located at New Berlin, Wisconsin  
Grantee,

Witnesseth, That the said Grantor for a valuable consideration \$1.00 and other good and valuable consideration conveys to Grantee the following described real estate in Waukesha County, State of Wisconsin:

Parcel Lettered "D" in CERTIFIED SURVEY MAP NO. 763, recorded in the Office of the Register of Deeds for Waukesha County, Wisconsin in Volume 5 of Certified Survey Maps at page 72, as Document No. 704266, being a re-survey of Certified Survey Map No. 743, recorded in the Office of the Register of Deeds for Waukesha County, Wisconsin in Volume 5 of Certified Survey Maps at page 9, as Document no. 702793, all being part of Lot 3 in Block 5 in New Berlin Industrial Park, Calhoun Road Subdivision No. 2, a subdivision of parts of the South West One-quarter (1/4) and South East One-quarter (1/4) of Section Three (3), the North West One-quarter (1/4), North East One-quarter (1/4) and South West One-quarter (1/4) of Section Ten (10), in Township Six (6) North, Range Twenty (20) East, in the City of New Berlin.

Together with all and singular the hereunto and appurtenances thereto belonging or in any wise appertaining: And CARL E. GEROLD, RALPH J. HUIRAS and JAY BARRETT a/k/a Jay Barrett, Jr. warrants that the title is good, indefeasible in fee simple and free and clear of encumbrances except municipal and zoning ordinances and recorded easements and restrictions, if any.

and will warrant and defend the title, Wisconsin this 3rd day of January 1978

SIGNED AND SEALED IN PRESENCE OF

*Carl E. Gerold* (SEAL)  
Carl E. Gerold  
*Ralph J. Huiras* (SEAL)  
Ralph J. Huiras  
*Jay Barrett Jr.* (SEAL)  
Jay Barrett a/k/a Jay Barrett, Jr.  
(SEAL)

Signatures of \_\_\_\_\_

authenticated this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_

Title: Member State Bar of Wisconsin or Other Party  
Authorized under Sec. 706.06 viz. \_\_\_\_\_

STATE OF WISCONSIN  
Ozaukee County, } ss.

Personally came before me, this 3rd day of January 1978  
the above named Carl E. Gerold, Ralph J. Huiras and Jay Barrett a/k/a Jay Barrett Jr.

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

THIS INSTRUMENT WAS DRAFTED BY

Ralph J. Huiras, Atty.

*Mary Zukaitis*  
Mary Zukaitis  
Ozaukee County, Wis.

The use of witnesses is optional.

Notary Public, \_\_\_\_\_

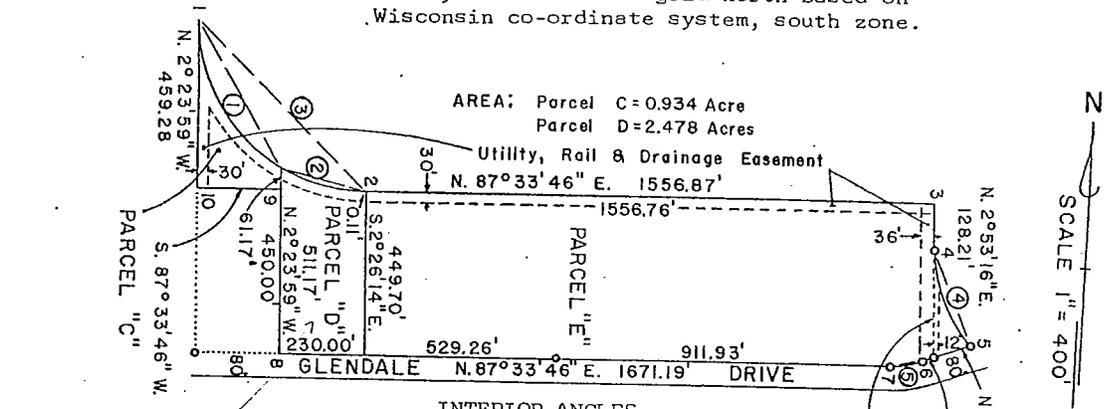
My commission (expires) ~~on~~ August 5, 1979

Names of persons signing in any capacity should be typed or printed below their signatures.

CERTIFIED SURVEY MAP

of a part of the Northwest quarter and Northeast quarter of Section 10, Town 6 North, Range 20 East, City of New Berlin, Waukesha County, Wisconsin.

Survey referenced to grid north based on Wisconsin co-ordinate system, south zone.



INTERIOR ANGLES

- |                  |                |
|------------------|----------------|
| 1 - 45°01'07.5"  | 6 - 170°27'34" |
| 2 - 225°01'07.5" | 7 - 170°27'34" |
| 3 - 90°27'02"    | 8 - 89°57'45"  |
| 4 - 200°32'33.5" | 9 - 270°02'15" |
| 5 - 88°05'16.5"  | 10 - 89°57'45" |

CURVE DATA

Curve No.	Radius	Arc	Chord	Chord Bearing	Central Angle
1	459.28	481.38	459.64	S. 32°25'32.5"E	60°03'07"
2	459.28	240.36	237.63	S. 77°26'40"E	29°59'08"
3	459.28	721.74	649.73	S. 47°25'06.5"E	90°02'15"
4	400.00	286.83	280.72	N. 23°25'49.5"W	41°05'07"
5	270.00	89.92	89.50	S. 78°01'20"W	19°04'52"

o - indicates 2" x 30" iron pipe weighing 3.65 lbs./lin.ft.  
1" x 24" iron pipe weighing 1.13 lbs./lin.ft. at all other corners.

SURVEYOR'S CERTIFICATE

State of Wisconsin )  
County of Waukesha ) SS

I, Frank L. Grisa, Land Surveyor, do hereby certify:

THAT I have surveyed and resubdivided Parcel B, Document No. 702793, pages 9 & 10, Volume 5 of Certified Survey Maps, Waukesha County, Wisconsin.

THAT I have made this survey, land division and map by the direction of the City of New Berlin, Owner of said land.

THAT such a map is a correct representation of all the exterior boundaries of the land surveyed and the land division thereof made.

THAT I have fully complied with the provisions of Chapter 236 of the Wisconsin Statutes and Chapter No. 11 of the Municipal Code of the City of New Berlin in surveying, dividing and mapping the same.

Date: January 22, 1968



*Frank L. Grisa*  
Frank L. Grisa, Land Surveyor S-380

CERTIFIED SURVEY MAP

of a part of the Northwest quarter and Northeast quarter of Section 10, Town 6 North, Range 20 East, City of New Berlin, Waukesha County, Wisconsin.

CORPORATE OWNER'S CERTIFICATE OF DEDICATION

State of Wisconsin )  
County of Waukesha ) SS

AS OWNER I hereby certify that I have caused the land described above to be surveyed, divided, mapped and dedicated as represented on this map in accordance with the requirements of Chapter No. 11 of the Municipal Code of the City of New Berlin.

WITNESS the hand and seal of said owners this 23<sup>RD</sup> day of JANUARY, 1968.

In the presence of:

Donald W. DeBruin  
Earl Rathke

CITY OF NEW BERLIN

Earl Rathke  
Earl Rathke, Mayor (SEAL)

Donald W. DeBruin  
Donald W. DeBruin, Clerk

PERSONALLY came before me this 23<sup>RD</sup> day of JANUARY, 1968, the above named Earl Rathke, Mayor, and Donald W. DeBruin, Clerk of the above named corporation, to me known to be such Mayor and Clerk of said corporation, and acknowledge that they executed the foregoing instrument as such officers as the deed of said corporation, by its authority.

Florence Greve  
Notary Public

My commission expires: 9-29-70 WAUKESHA COUNTY, Wisconsin.

PLANNING COMMISSION APPROVAL

APPROVED by the Planning Commission of the City of New Berlin on this 23<sup>RD</sup> day of JANUARY, 19 68.

Earl Rathke  
Chairman  
Veronica Wegner  
Secretary

COMMON COUNCIL APPROVAL

APPROVED by the Common Council of the City of New Berlin on this 23<sup>RD</sup> day of JANUARY, 19 68.

Earl Rathke  
Earl Rathke, Mayor  
Donald W. DeBruin  
Donald W. DeBruin, Clerk



16800 W. GLENDALE DRIVE  
NEW BERLIN, WI 53151  
PHONE: (262) 797-4680  
(800) 757-5796  
FAX: (262) 796-1080  
www.petroncorp.com  
*ISO 9001:2008 CERTIFIED*

December 3, 2009

Mr. David Volkert  
Wisconsin Department of Natural Resources  
141 NW Barstow Street  
Waukesha, WI 53188

RE: Petron Corporation Site  
Statement of Accuracy of Site Description

Dear Mr. Volkert:

This letter is to satisfy the requirement for the GIS Registry "Source Legal Documents." As the representative party at this site, it is the belief of Petron Corporation that the deed and certified survey maps submitted for the GIS registry are correct and accurately describe the contaminated property known as the Petron Corporation site located at 16700 W. Glendale Drive, New Berlin, WI 53151.

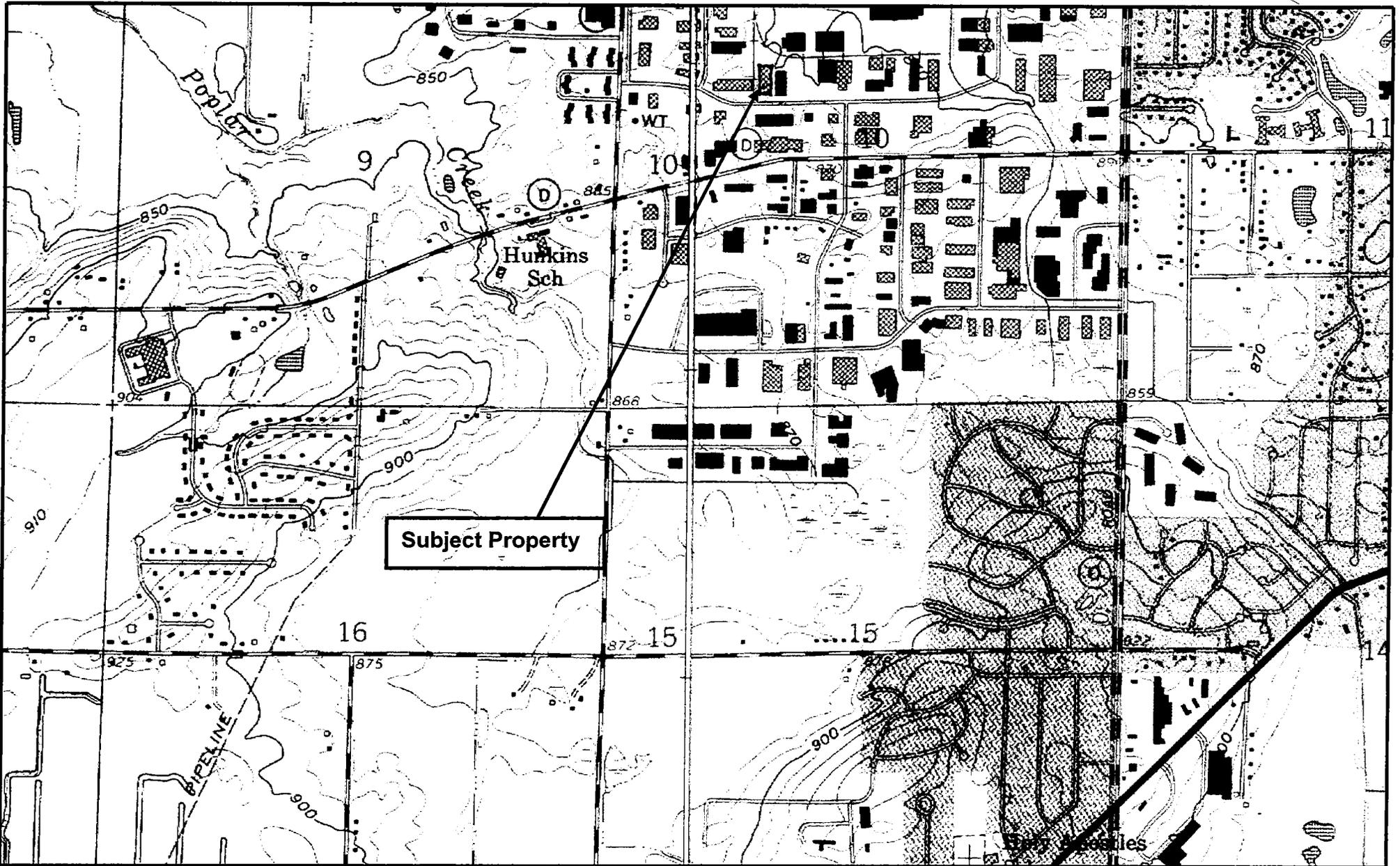
Should you have further questions regarding this statement, please contact me at 262-797-4680. Thank you for your consideration of our closure request.

Sincerely,

Petron Corporation

James J. Bittner  
Director of Operations

Cc: Tom Steiner, Ayres Associates



QUADRANGLE LOCATION

# HALES CORNERS, WIS.

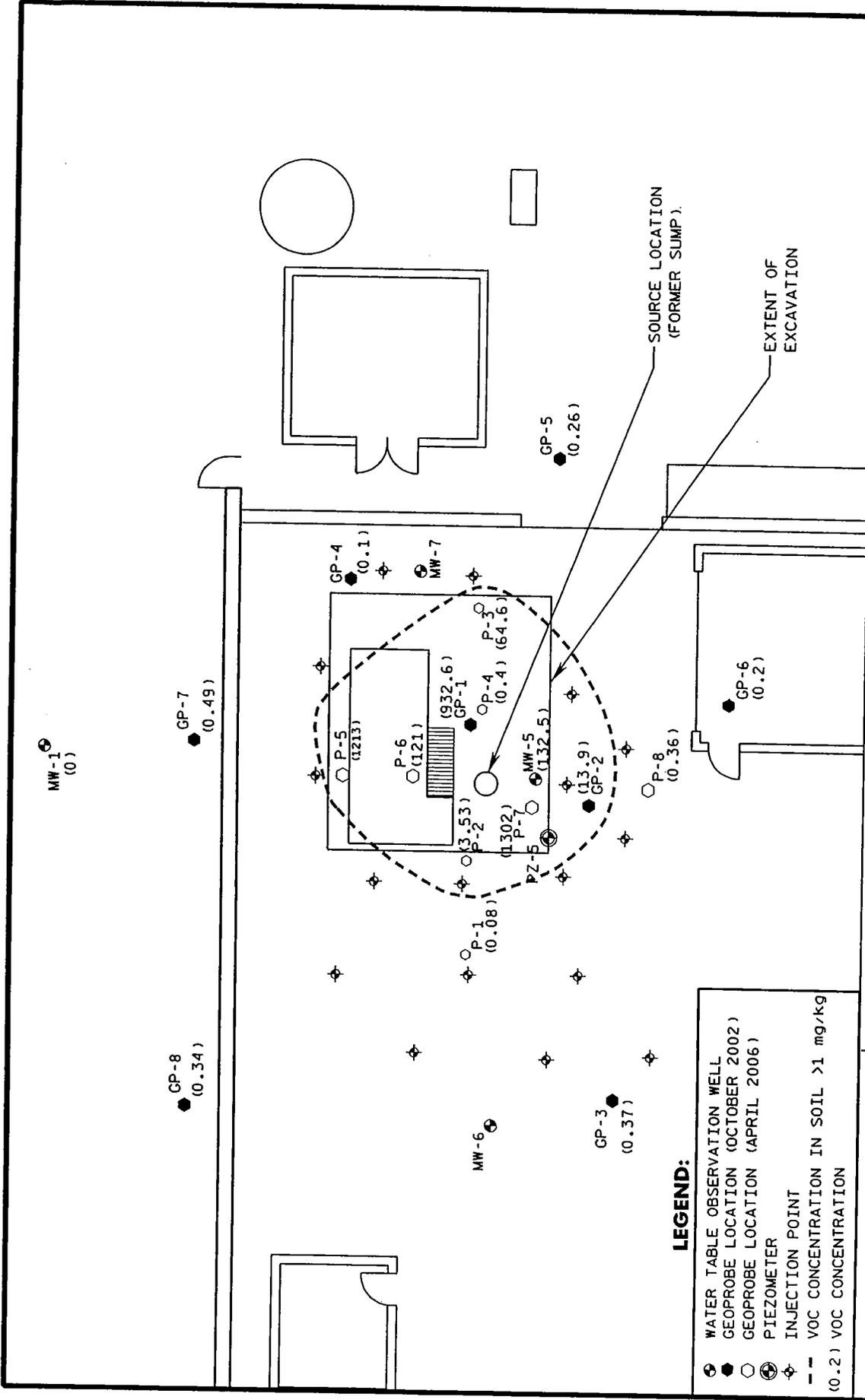
NE/4 HALES CORNERS 15' QUADRANGLE  
42088-H1-TF-024

1959  
REVISED 1994

Figure 1 – Site Location Map  
Petron Corporation  
167000 West Glendale  
New Berlin, Wisconsin 53151  
December 2009  
53-0604.00

**AVRES**  
**ASSOCIATES**





**FIGURE 1**  
**TOTAL VOC CONCENTRATIONS**  
**IN SOIL (mg/kg) 0-8 FT DEPTH**  
**(PRE-REMEDIATION)**  
 PETRON CORPORATION  
 16700 W. GLENDALE DRIVE  
 NEW BERLIN, WI 53151  
 DATE: 11-25-09  
 JOB NUMBER: 53-0604.00



MAPPING SOURCE:  
 AYRES ASSOCIATES  
 CADD FILES

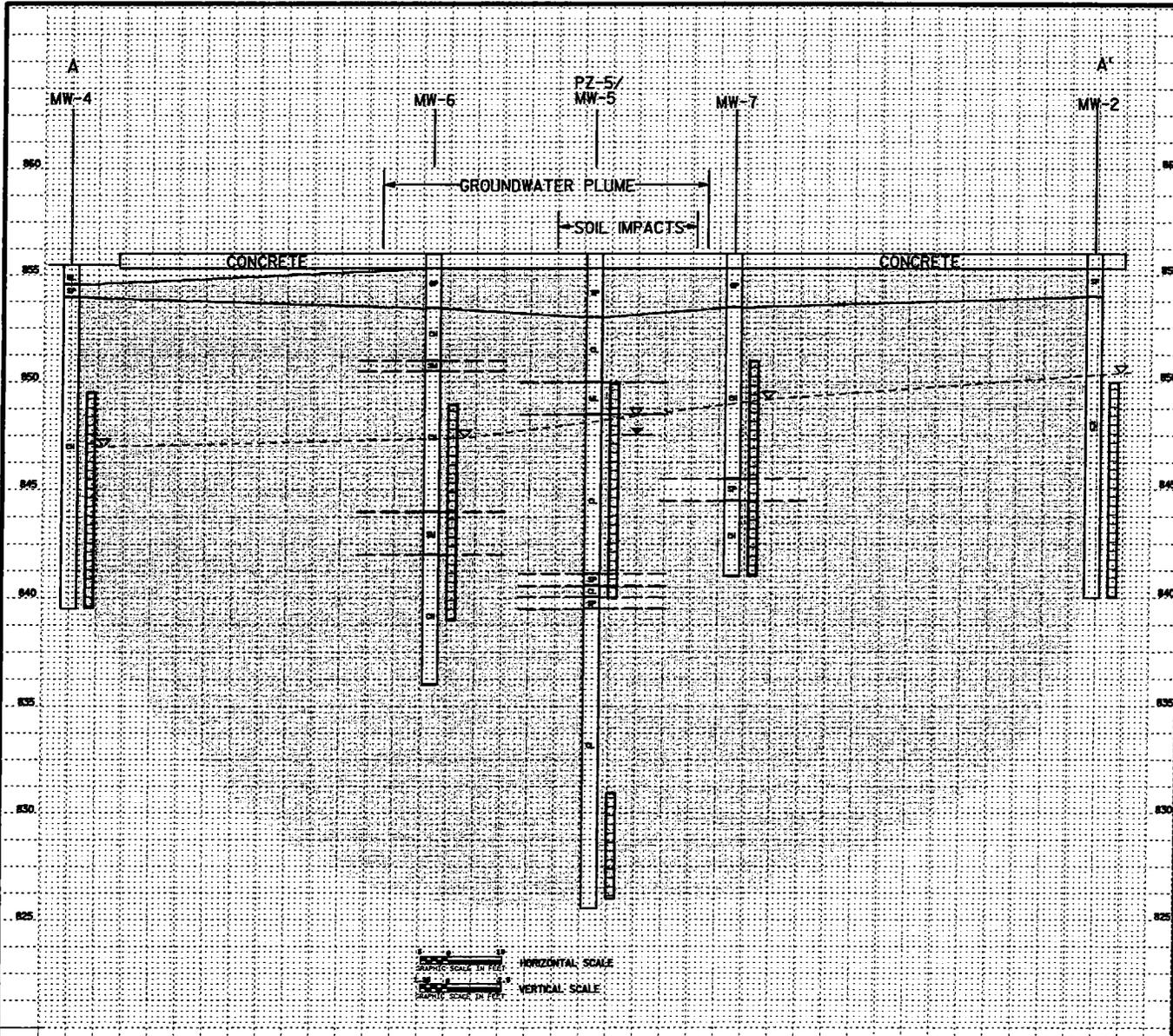


SITE LOCATION

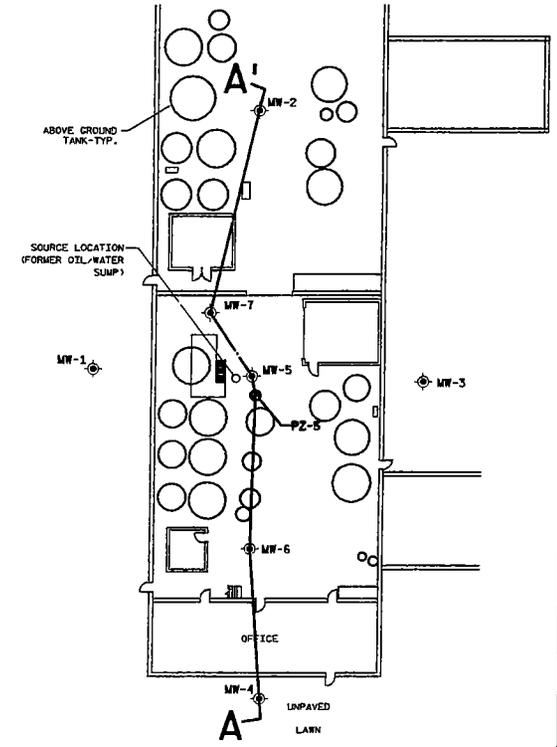
**LEGEND:**

- WATER TABLE OBSERVATION WELL
- GEOPROBE LOCATION (OCTOBER 2002)
- GEOPROBE LOCATION (APRIL 2006)
- ⊕ PIEZOMETER
- ⊕ INJECTION POINT
- VOC CONCENTRATION IN SOIL >1 mg/kg
- (0.2) VOC CONCENTRATION

**AYRES**  
 ASSOCIATES



- WATER LEVEL MEASURED IN WATER TABLE WELL
- WATER LEVEL MEASURED IN PIEZOMETER
- MONITORING WELL SCREEN INTERVAL
- CL INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY
- ML INORGANIC SILTS AND VERY FINE SANDS OR CLAYEY SILTS WITH SLIGHT PLASTICITY
- PT PEAT, HUMUS, SWAMP SOILS WITH HIGH ORGANIC CONTENTS
- SM SILTY SANDS, SAND - SILT MIXTURES
- SP POORLY - GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
- CH INORGANIC CLAYS OF HIGH PLASTICITY



CROSS SECTION LOCATION MAP  
NOT TO SCALE

STAINES  
BOATES  
BRADY  
SPALIN

DR. BY	CHK. BY	BOOK NO.			
DATE	SCALE	NO.	DATE	REVISION	NO.
DEC 2009	1" = 100'		12-05-09	SUBMITTED FOR REVIEW	

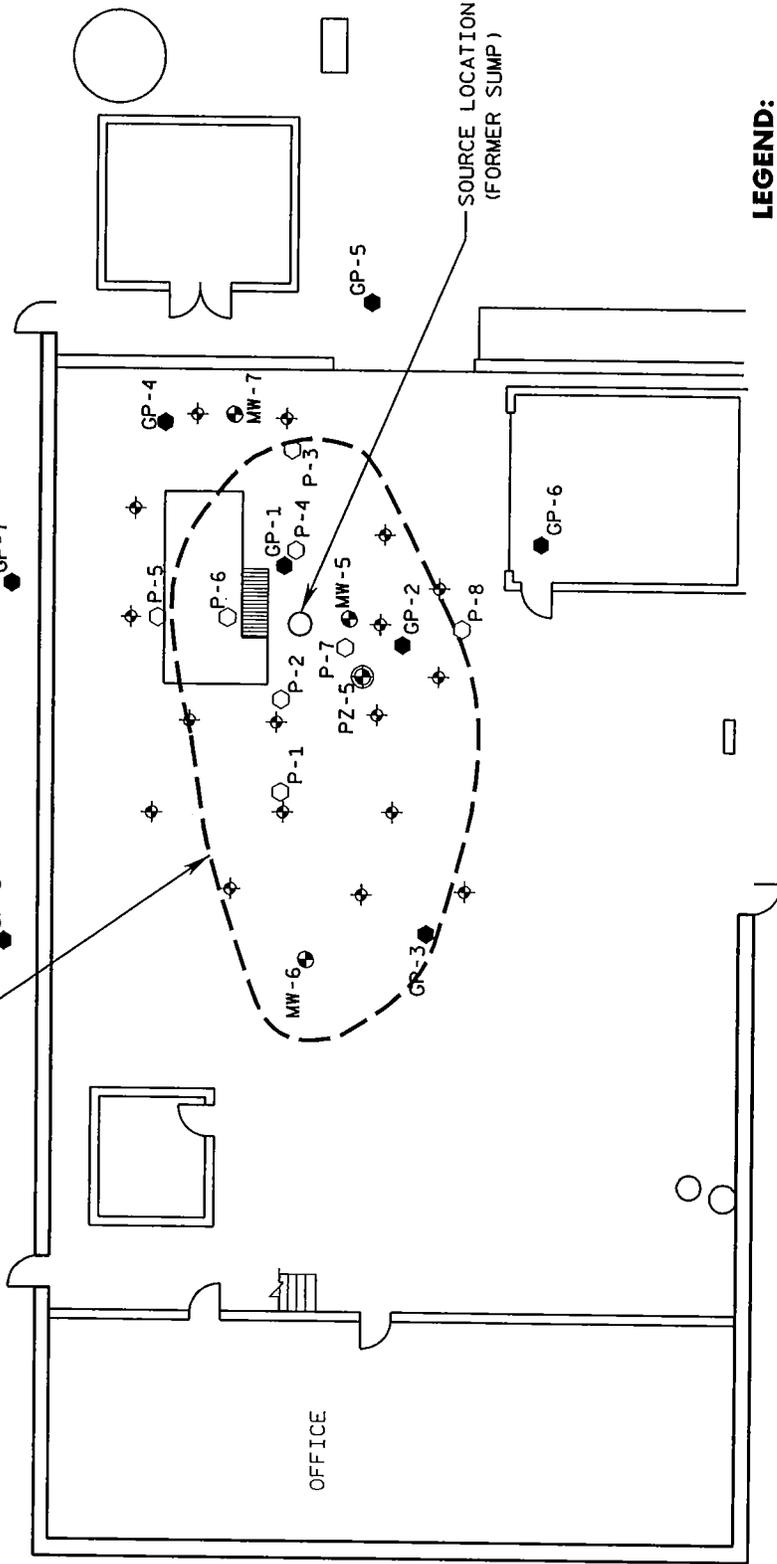
PETRON SITE  
NEW BERLIN, WISCONSIN



GEOLOGIC CROSS SECTION A - A'  
©ALF8

DRAWING NO.  
4  
SHEET NO. 4/7

ESTIMATED EXTENT OF  
GROUND WATER IMPACTS  
POST REMEDIATION



**LEGEND:**

- ⊕ WATER TABLE OBSERVATION WELL
- GEOPROBE LOCATION (OCTOBER 2002)
- GEOPROBE LOCATION (APRIL 2006)
- ⊕ PIEZOMETER
- ◆ INJECTION POINT



MAPPING SOURCE:  
AYRES ASSOCIATES  
CADD FILES



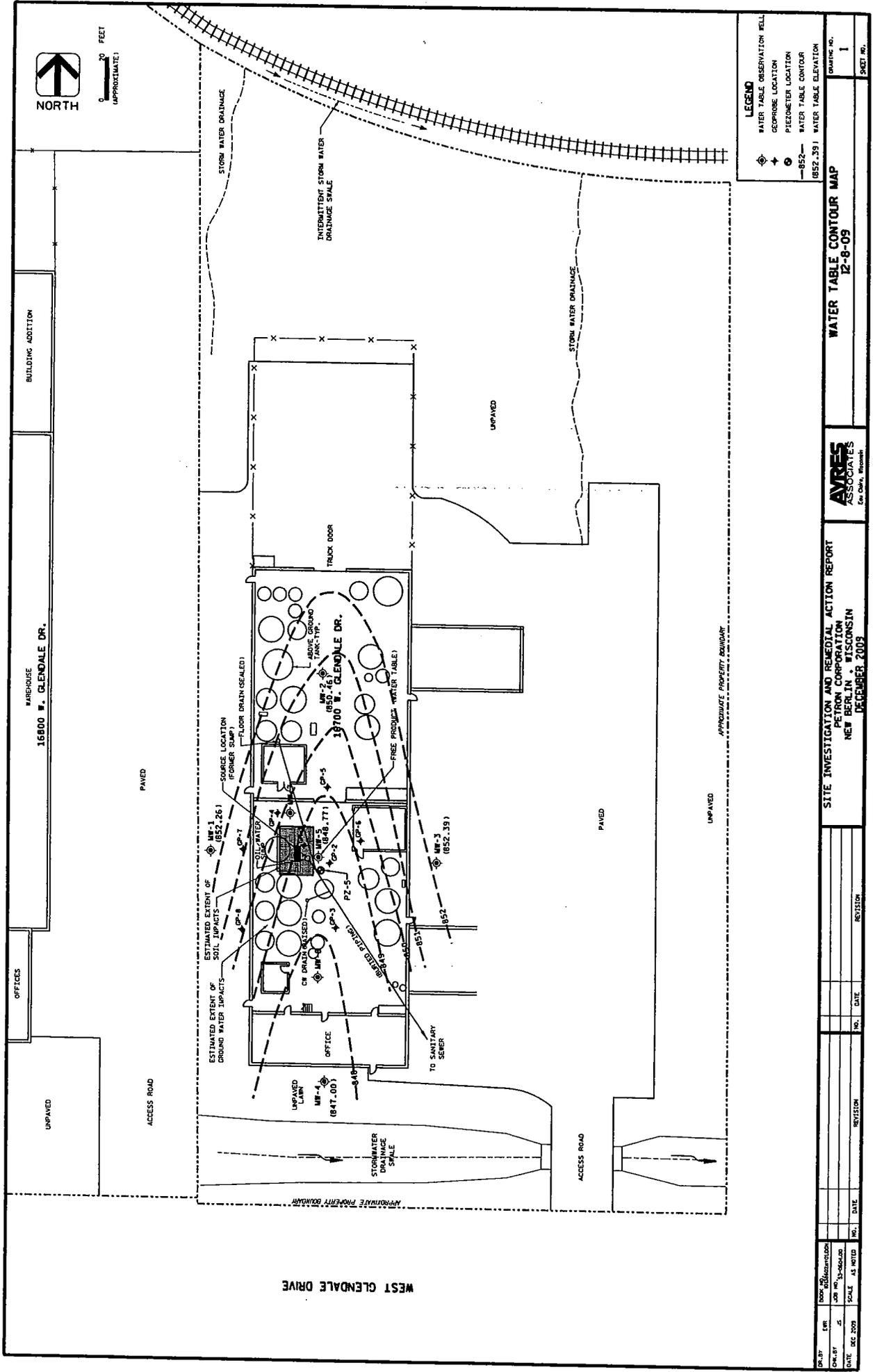
SITE LOCATION



10 0 20  
GRAPHIC SCALE IN FEET

**FIGURE 1**  
ESTIMATED EXTENT OF GROUND  
WATER IMPACTS: POST-REMEDIATION  
10-22-09

PETRON CORPORATION  
16700 W. GLENDALE DRIVE  
NEW BERLIN, WI 53151  
DATE: 12-29-06  
JOB NUMBER: 53-0604.00



**LEGEND**

- ◆ WATER TABLE OBSERVATION WELL
- ⊕ GROUNDWATER LOCATION
- ⊙ PIEZOMETER LOCATION
- 852— WATER TABLE CONTOUR
- 852.39 | WATER TABLE ELEVATION

**WATER TABLE CONTOUR MAP**  
12-8-09



**SITE INVESTIGATION AND REMEDIAL ACTION REPORT**  
PAPER INDUSTRIES CORPORATION  
NEW BRUNSWICK, NEW JERSEY  
DECEMBER 2009

NO.	DATE	REVISION
1		

DATE	DEC 2009	SCALE	AS NOTED
DATE		SCALE	

# Pre-remediation Soil Sample Results

**TABLE 1  
SUMMARY OF SOIL ANALYTICAL RESULTS  
VOLATILE ORGANIC COMPOUNDS  
OCTOBER 8, 2002**

Boring Number	NR 720 STD.	EPA CRITERIA*	GP-1	GP-1	GP-2	GP-2	GP-3	GP-3	GP-4	GP-4	GP-5	GP-5	GP-6	GP-6	GP-7	GP-7	GP-8	GP-8
Sample Depth (feet)	mg/kg	mg/kg	4-6	8-10	6-8	8-10	4-6	8-10	2-4	6-8	2-4	8-10	4-6	8-10	4-6	8-10	4-6	8-10
Volatile Organic Compounds			Analytical Result (mg/kg)															
1,1,1-Trichloroethane	NA	0.9	6.1	800	0.1	1.8	0.22	0.15	0.029	0.076	0.21	0.13	<0.025	0.10	0.31	0.010	0.17	0.22
1,1,-Dichloroethane	NA	11	9.0	60	0.2	6.0	0.086	0.041	<0.025	<0.025	<0.025	0.039	<0.025	0.029	0.075	<0.025	0.034	0.055
1,1,-Dichloroethene	NA	0.03	0.42	67	0.71	0.84	0.084	0.093	<0.025	0.052	0.052	0.065	<0.025	0.082	0.11	<0.025	0.13	<0.025
1,2,4-Trimethylbenzene	NA	NA	0.57	<0.30	0.065	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
1,2-Dichloroethane	0.0049	0.01	0.10	<0.89	0.14	0.045	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
n-Butylbenzene	NA	NA	0.82	1.0	0.16	0.039	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
sec-Butylbenzene	NA	0.27	<0.50	<0.50	1.1	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Chloroethane	NA	33	2.3	<0.55	8.5	1.5	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
p-Isopropyltoluene	NA	NA	5.9	4.6	2.2	0.41	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Naphthalene	NA	30	0.52	<0.085	0.032	0.26	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Tetrachloroethene	NA	0.04	0.33	<0.025	0.075	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Trichloroethene	NA	0.02	<0.045	<0.045	0.31	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Trichlorofluoromethane	NA	NA	<0.035	<0.35	0.31	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Xylenes	41	130	<0.040	<0.75	0.054	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.067

**Notes:**

< = Concentration below the method detection limit shown

— = Indicates parameter was not analyzed

Analytical results for VOCs reported in table as milligrams per kilogram (mg/kg) or parts per million (ppm)

Summary table only includes parameters detected during this sampling event—see laboratory analytical report for complete list of analytes

Methylene chloride that was reported in the soil samples was likely a laboratory artifact and therefore not included on this table

NA - No standard available

\* EPA criteria are from EPA Region III document titled "EPA Region III Risk-Based Concentration" table dated February 25, 1995, by Roy L. Smith, Ph.D.

# Pre-remediation Soil Sample Results

**Table 3**  
**Summary of Soil Sample Analytical Results**  
**Volatile Organic Compounds**  
**February 10, 2003**

Sample Number	Analytical Result (mg/Kg)										NR 720 RCL	
	MW-1 2'-4'	MW-1 6'-8'	MW-2 2'-4'	MW-2 6'-8'	MW-3 2'-4'	MW-3 6'-8'	MW-4 2'-4'	MW-4 6'-8'	MW-5 2'-4'	MW-5 6'-8'		
<b>VOCs</b>												
1,1,1-Trichloroethane	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<b>3.9</b>	<b>39</b>	ns
1,1-Dichloroethane	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<b>50</b>	<b>70</b>	ns
1,1-Dichloroethene	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<b>0.98</b>	<b>2.1</b>	ns
Trimethylbenzene	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<b>1.70</b>	<b>3.0</b>	ns
Benzene	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<b>0.10</b>	<0.25	<b>0.0055</b>
n-Butylbenzene	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<b>0.63</b>	<0.45	ns
Chloroethane	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<b>15</b>	<b>6.2</b>	ns
Ethylbenzene	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<b>0.30</b>	<b>0.54</b>	2.9
p-Isopropyltoluene	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<b>5.7</b>	<b>5.5</b>	ns
Methyl-tert-butyl ether	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<b>0.3</b>	<b>0.60</b>	ns
Naphthalene	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<b>1.3</b>	<b>2.5</b>	ns
Toluene	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<b>0.40</b>	<b>0.78</b>	ns
Xylenes	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<b>1.23</b>	<b>2.28</b>	4.1

**Notes:**

< Concentration below laboratory method detection limit shown

**BOLD** Concentration exceeds laboratory method detection limits.

ns No soil standard established for this constituent.

Analytical results reported in table as milligrams per kilogram (mg/Kg) or parts per million (ppm).

Summary table only includes parameters detected. See laboratory analytical report for complete list of analytes

# Pre-remediation Soil Sample Results

Table 1  
Summary of Soil Analytical Results - Volatile Organic Compounds  
Petron Corporation, New Berlin, WI  
April 2006

Probe Number	Analytical Result (mg/Kg)									NR 720 RCLs
	P-1	P-2	P-3	P-3	P-4	P-5	P-6	P-7	P-8	
Sample Depth (feet)	5-7.5	5-7.5	2.5-5	5-7.5	0-2.5	2.5-5	5-7.5	7.5-10	2.5-5	
1,1-Dichloroethane	0.029	0.19	0.051	<0.31	0.026	<2.9	3.1	64	0.30	ns
1,2-Dichloroethane	<0.014	0.016	<0.014	<0.28	<0.013	<2.7	<0.16	<3.0	<0.014	0.0049
1,1-Dichloroethene	<0.018	0.20	0.025	<0.35	<0.016	<3.4	0.52	30	0.021	ns
Chloroethane	<0.026	0.65	0.081	<0.52	<0.024	<5.0	1.8	<5.5	<0.025	ns
Methylene chloride	0.058	0.11	<0.056	1.7*	<0.052	<11	<0.66	<12	<0.055	ns
1,1,1-Trichloroethane	0.028	0.21	0.088	0.66	0.065	2.8	15	1,200	0.043	ns
Trichloroethene	<0.0084	0.097	<0.0082	<0.17	<0.0076	<1.6	<0.096	<1.8	<0.0080	ns
n-Butylbenzene	<0.016	0.27	<0.015	<0.31	0.055	11	1.1	<3.3	<0.015	ns
sec-Butylbenzene	<0.0096	<0.010	<0.0093	<0.19	<0.0087	<1.8	0.19	<2.0	<0.0092	ns
Ethylbenzene	<0.013	0.022	<0.013	<0.26	<0.012	<2.5	<0.15	<2.8	<0.013	2.9
p-Isopropyltoluene	0.026	0.83	0.38	64	0.20	1,200	97	7.9	<0.0080	ns
Naphthalene	<0.017	0.71	<0.016	<0.33	0.020	<3.2	0.32	<3.5	<0.016	ns
n-Propylbenzene	<0.014	<0.015	<0.014	<0.28	<0.013	<2.7	0.19	<3.0	<0.014	ns
Toluene	<0.0096	0.031	<0.0093	<0.19	<0.0087	<1.8	<0.11	<2.0	<0.0092	1.5
Trimethylbenzenes (total)	<0.012	0.118	<0.012	<0.24	<0.011	<2.3	1.80	<2.5	<0.011	ns
Xylenes (total)	<0.011	0.072	<0.011	<0.21	<0.015	<2.0	<0.12	<2.3	<0.010	4.1
Cummulative VOCs	0.083	3.53	0.63	64.66	0.366	1,213.8	121.02	1,301.9	0.364	

Notes:

- < Concentration below the laboratory method detection limit shown
- \* Suspected methylene laboratory contamination (per laboratory).
- RCLs NR 720 Wisconsin Administrative Code Residual Contaminant Levels (RCLs)
- Analytical results reported in table as milligrams per kilogram (mg/Kg) or parts per million (ppm).
- Summary table only includes parameters detected during this sampling event. See laboratory analytical report for complete list of analytes.

**Table 1**  
**Summary of Groundwater Analytical Results**  
**Volatile Organic Compounds**  
**Petron Corporation - New Berlin, Wisconsin**

Well Number	Sample Date	Parameter/Results (ug/L)												
		Acetone	Benzene	2-Butanone	n-Butyl Benzene	Chloro Benzene	Chloro ethane	Chloro methane	1,1-Dichloro ethane	1,2-Dichloro ethane	1,1-Dichloro ethene	p-Isopropyl toluene	Methylene Chloride	p-Isopropyl Toluene
MW-1	03/29/07	---	---	---	---	---	---	---	---	---	---	---	---	---
	04/19/07	---	---	---	---	---	---	---	---	---	---	---	---	---
	05/24/07	---	---	---	---	---	---	---	---	---	---	---	---	---
	07/26/07	---	---	---	---	---	---	---	---	---	---	---	---	---
	09/26/07	170	520	ND	ND	7.3	33	ND	ND	ND	ND	ND	ND	ND
	11/29/07	---	---	---	---	---	---	---	---	---	---	---	---	---
	03/07/08	---	---	---	---	---	---	---	---	---	---	---	---	---
	07/10/08	---	---	---	---	---	---	---	---	---	---	---	---	---
	10/08/08	---	---	---	---	---	---	---	---	---	---	---	---	---
	01/23/09	---	---	---	---	---	---	---	---	---	---	---	---	---
	04/29/09	---	---	---	---	---	---	---	---	---	---	---	---	---
	10/22/09	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2	03/29/07	---	---	---	---	---	---	---	---	---	---	---	---	---
	04/19/07	---	---	---	---	---	---	---	---	---	---	---	---	---
	05/24/07	---	---	---	---	---	---	---	---	---	---	---	---	---
	07/26/07	---	---	---	---	---	---	---	---	---	---	---	---	---
	09/26/07	ND	ND	ND	ND	ND	ND	ND	0.95	ND	ND	ND	ND	ND
	11/29/07	---	---	---	---	---	---	---	---	---	---	---	---	---
	03/07/08	---	---	---	---	---	---	---	---	---	---	---	---	---
	07/10/08	---	---	---	---	---	---	---	---	---	---	---	---	---
	10/08/08	---	---	---	---	---	---	---	---	---	---	---	---	---
	01/23/09	---	---	---	---	---	---	---	---	---	---	---	---	---
	04/29/09	---	---	---	---	---	---	---	---	---	---	---	---	---
	10/22/09	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3	03/29/07	---	---	---	---	---	---	---	---	---	---	---	---	---
	04/19/07	---	---	---	---	---	---	---	---	---	---	---	---	---
	05/24/07	---	---	---	---	---	---	---	---	---	---	---	---	---
	07/26/07	---	---	---	---	---	---	---	---	---	---	---	---	---
	09/26/07	ND	ND	ND	ND	ND	ND	ND	1.0	ND	ND	ND	ND	ND
	11/29/07	---	---	---	---	---	---	---	---	---	---	---	---	---
	03/07/08	---	---	---	---	---	---	---	---	---	---	---	---	---
	07/10/08	---	---	---	---	---	---	---	---	---	---	---	---	---
	10/08/08	---	---	---	---	---	---	---	---	---	---	---	---	---
	01/23/09	---	---	---	---	---	---	---	---	---	---	---	---	---
	04/29/09	---	---	---	---	---	---	---	---	---	---	---	---	---
	10/22/09	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	03/29/07	---	---	---	---	---	---	---	---	---	---	---	---	---
	04/19/07	---	---	---	---	---	---	---	---	---	---	---	---	---
	05/24/07	---	---	---	---	---	---	---	---	---	---	---	---	---
	07/26/07	---	---	---	---	---	---	---	---	---	---	---	---	---
	09/26/07	ND	41	ND	ND	ND	470	ND	ND	ND	ND	ND	ND	ND
	11/29/07	---	---	---	---	---	---	---	---	---	---	---	---	---
	03/07/08	---	---	---	---	---	---	---	---	---	---	---	---	---
	07/10/08	---	---	---	---	---	---	---	---	---	---	---	---	---
	10/08/08	---	---	---	---	---	---	---	---	---	---	---	---	---
	01/23/09	---	---	---	---	---	---	---	---	---	---	---	---	---
	04/29/09	---	---	---	---	---	---	---	---	---	---	---	---	---
	10/22/09	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	03/29/07	ND	820	ND	640	ND	1,900	ND	12,000	ND	9,200	ND	ND	50,000
	04/19/07	ND	180	ND	ND	ND	710	ND	3,900	ND	150	ND	ND	ND
	05/24/07	2,000	86	ND	ND	ND	1,800	ND	7,200	110	970	ND	ND	ND
	07/26/07	ND	170	ND	ND	ND	2,800	ND	7,500	140	450	ND	ND	ND
	09/26/07	ND	ND	ND	ND	ND	4,300	ND	36,000	300	1,500	ND	ND	ND
	11/29/07	ND	ND	ND	ND	ND	790	ND	4,000	34	160	ND	170	ND
	03/07/08	750	350	1,800	ND	ND	21,000	33	48,000	400	1,200	ND	ND	ND
	07/10/08	ND	940	ND	ND	ND	5,600	ND	5,200	ND	ND	ND	ND	ND
	10/08/08	ND	ND	ND	ND	ND	10,000	ND	9,700	260	490	ND	ND	ND
	01/23/09	ND	ND	ND	ND	ND	14,000	ND	13,000	280	650	ND	ND	ND
	04/29/09	ND	ND	ND	ND	ND	11,000	ND	16,000	430	1,100	ND	ND	ND
	10/22/09	ND	ND	ND	ND	ND	17,000	160*	9,700	ND	640	ND	290*	ND
PZ-5	03/29/07	---	---	---	---	---	---	---	---	---	---	---	---	---
	04/19/07	---	---	---	---	---	---	---	---	---	---	---	---	---
	05/24/07	---	---	---	---	---	---	---	---	---	---	---	---	---
	07/26/07	---	---	---	---	---	---	---	---	---	---	---	---	---
	09/26/07	ND	ND	ND	ND	ND	21	ND	37	ND	1.0	ND	ND	ND
	11/29/07	---	---	---	---	---	---	---	---	---	---	---	---	---
	03/07/08	---	---	---	---	---	---	---	---	---	---	---	---	---
	07/10/08	---	---	---	---	---	---	---	---	---	---	---	---	---
	10/08/08	---	---	---	---	---	---	---	---	---	---	---	---	---
	01/23/09	---	---	---	---	---	---	---	---	---	---	---	---	---
	04/29/09	---	---	---	---	---	---	---	---	---	---	---	---	---
	10/22/09	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-6	03/29/07	ND	130	---	ND	---	73	ND	8.3	ND	ND	ND	ND	---
	04/19/07	ND	630	---	ND	7.5	730	15	170	ND	ND	ND	ND	ND
	05/24/07	2300	340	---	ND	ND	650	12	110	ND	ND	ND	ND	ND
	07/26/07	730	100	ND	ND	ND	2,700	ND	12	ND	23	ND	ND	ND
	09/26/07	ND	ND	ND	ND	ND	4,000	ND	ND	ND	79	ND	190	ND
	11/29/07	ND	ND	ND	ND	ND	1,600	ND	ND	ND	ND	ND	140	ND
	03/07/08	390	1.9	ND	ND	ND	1,800	3.3	ND	4.9	14	ND	25	ND
	07/10/08	ND	ND	ND	ND	ND	1,500	ND	ND	ND	39	ND	ND	ND
	10/08/08	ND	ND	ND	ND	ND	890	ND	ND	ND	40	ND	ND	ND
	01/23/09	ND	ND	ND	ND	ND	800	ND	5.6	ND	26	ND	ND	ND
	04/29/09	ND	ND	ND	ND	ND	290	ND	ND	ND	10	ND	ND	ND
	10/22/09	ND	ND	ND	ND	ND	760	6.6*	ND	ND	25	ND	6.2*	ND
MW-7	03/29/07	ND	240	---	ND	4	13	6.4	ND	9.4	ND	ND	ND	ND
	04/19/07	ND	260	---	ND	ND	27	8.0	ND	ND	ND	ND	ND	ND
	05/24/07	400	180	75	ND	8.0	43	12	ND	ND	ND	ND	ND	ND
	07/26/07	1,600	2.6	27	ND	ND	10	0.66	ND	ND	ND	ND	ND	ND
	09/26/07	950	3.0	ND	ND	ND	18	7.3	ND	ND	ND	ND	ND	ND
	11/29/07	57	1.1	ND	ND	ND	ND	2.9	ND	ND	ND	ND	3.4	ND
	03/07/08	190	0.58	5.1	ND	ND	8.7	1.4	ND	ND	ND	ND	ND	ND
	07/10/08	ND	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	54*	ND
	10/08/08	ND	0.41	ND	ND	ND	2.5	1.0	ND	ND	ND	ND	ND	ND
	01/23/09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	04/29/09	ND	ND	ND	ND	ND	ND	3.4	ND	ND	ND	ND	ND	ND
	10/22/09	ND	ND	ND	ND	ND	2.2	0.73*	ND	ND	ND	ND	ND	ND
NR 140 PAL		ns	0.5	ns	ns	ns	80	0.3	65	0.5	0.7	ns	0.5	ns
NR 140 ES		ns	5	ns	ns	ns	400	3	850	5	7	ns	5	ns

Notes:  
 Concentration reported in ug/L (ppb) except where noted  
 PAL = Preventive Action Limit Established in NR 140, Wisconsin Administrative Code  
 ES = Enforcement Standard Established in NR 140, Wisconsin Administrative Code  
 ND = Concentration Below Laboratory Method Detection Limit  
**BOLD** = Concentration exceeds NR 140 Wisconsin Administrative Code ES  
 ns = No NR 140 Wisconsin Administrative Code Ground Water Standard Established For This Parameter  
 --- = No sample collected from this well during this sampling event  
 PZ-5 = PZ-5 installed on 2-5-05  
 MW-6 = Water table well MW-6 installed 4-11-06  
 MW-7 = Water table well MW-7 installed 1-25-07  
 \* = Analyte detected in method blank, lab artifact

**Table 1 (continued)**  
**Summary of Groundwater Analytical Results**  
**Volatle Organic Compounds**  
**Petron Corporation - New Berlin, Wisconsin**

Well Number	Sample Date											
		Naphthalene	Tetrachloro ethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoro methane	Vinyl Chloride	TOC (mg/L)	Methane	Ethene	Ethane
MW-1	03/29/07	---	---	---	---	---	---	---	---	---	---	---
	04/19/07	---	---	---	---	---	---	---	---	---	---	---
	05/24/07	---	---	---	---	---	---	---	---	---	---	---
	07/26/07	---	---	---	---	---	---	---	---	---	---	---
	09/26/07	ND	ND	ND	ND	ND	ND	ND	---	---	---	---
	11/29/07	---	---	---	---	---	---	---	---	---	---	---
	03/07/08	---	---	---	---	---	---	---	---	---	---	---
	07/10/08	---	---	---	---	---	---	---	---	---	---	---
	10/08/08	---	---	---	---	---	---	---	---	---	---	---
	01/23/09	---	---	---	---	---	---	---	---	---	---	---
	04/29/09	---	---	---	---	---	---	---	---	---	---	---
10/22/09	---	---	---	---	---	---	---	---	---	---	---	
MW-2	03/29/07	---	---	---	---	---	---	---	---	---	---	---
	04/19/07	---	---	---	---	---	---	---	---	---	---	---
	05/24/07	---	---	---	---	---	---	---	---	---	---	---
	07/26/07	---	---	---	---	---	---	---	---	---	---	---
	09/26/07	ND	ND	ND	ND	ND	ND	ND	ND	---	---	---
	11/29/07	---	---	---	---	---	---	---	---	---	---	---
	03/07/08	---	---	---	---	---	---	---	---	---	---	---
	07/10/08	---	---	---	---	---	---	---	---	---	---	---
	10/08/08	---	---	---	---	---	---	---	---	---	---	---
	01/23/09	---	---	---	---	---	---	---	---	---	---	---
	04/29/09	---	---	---	---	---	---	---	---	---	---	---
10/22/09	---	---	---	---	---	---	---	---	---	---	---	
MW-3	03/29/07	---	---	---	---	---	---	---	---	---	---	---
	04/19/07	---	---	---	---	---	---	---	---	---	---	---
	05/24/07	---	---	---	---	---	---	---	---	---	---	---
	07/26/07	---	---	---	---	---	---	---	---	---	---	---
	09/26/07	ND	ND	ND	ND	ND	ND	ND	ND	---	---	---
	11/29/07	---	---	---	---	---	---	---	---	---	---	---
	03/07/08	---	---	---	---	---	---	---	---	---	---	---
	07/10/08	---	---	---	---	---	---	---	---	---	---	---
	10/08/08	---	---	---	---	---	---	---	---	---	---	---
	01/23/09	---	---	---	---	---	---	---	---	---	---	---
	04/29/09	---	---	---	---	---	---	---	---	---	---	---
10/22/09	---	---	---	---	---	---	---	---	---	---	---	
MW-4	03/29/07	---	---	---	---	---	---	---	---	---	---	---
	04/19/07	---	---	---	---	---	---	---	---	---	---	---
	05/24/07	---	---	---	---	---	---	---	---	---	---	---
	07/26/07	---	---	---	---	---	---	---	---	---	---	---
	09/26/07	ND	ND	ND	ND	ND	ND	ND	---	---	---	---
	11/29/07	---	---	---	---	---	---	---	---	---	---	---
	03/07/08	---	---	---	---	---	---	---	---	---	---	---
	07/10/08	---	---	---	---	---	---	---	---	---	---	---
	10/08/08	---	---	---	---	---	---	---	---	---	---	---
	01/23/09	---	---	---	---	---	---	---	---	---	---	---
	04/29/09	---	---	---	---	---	---	---	---	---	---	---
10/22/09	---	---	---	---	---	---	---	---	---	---	---	
MW-5	03/29/07	1,800	480	ND	160,000	ND	ND	ND	---	190	<0.50	3.8
	04/19/07	ND	ND	ND	3,800	ND	ND	ND	4,000	31	<0.50	1.1
	05/24/07	ND	ND	ND	7,800	ND	ND	ND	3,000	28	<0.50	0.52
	07/26/07	ND	ND	ND	4,300	ND	ND	ND	2,200	11	<0.50	<0.40
	09/26/07	ND	ND	ND	21,000	ND	ND	ND	1,700	840	<0.50	<0.40
	11/29/07	ND	ND	ND	1,700	ND	ND	ND	1,800	650	<0.50	0.55
	03/07/08	ND	ND	53	23,000	16	ND	ND	1,600	1,300	<0.50	<0.40
	07/10/08	ND	ND	ND	1,700	ND	ND	ND	7,300	150	<0.50	0.55
	10/08/08	ND	ND	ND	4,300	ND	ND	ND	2,600	240	<0.50	<0.40
	01/23/09	ND	ND	ND	5,400	ND	ND	ND	3,100	1,900	<250	0.52
	04/29/09	ND	ND	ND	12,000	ND	ND	ND	2,000	2,200	<0.50	<0.40
10/22/09	ND	ND	ND	3,200	ND	ND	ND	1,900	1,500	<0.50	<0.40	
PZ-5	03/29/07	---	---	---	---	---	---	---	---	---	---	---
	04/19/07	---	---	---	---	---	---	---	---	---	---	---
	05/24/07	---	---	---	---	---	---	---	---	---	---	---
	07/26/07	---	---	---	---	---	---	---	---	---	---	---
	09/26/07	ND	ND	ND	14	ND	ND	ND	ND	---	---	---
	11/29/07	---	---	---	---	---	---	---	---	---	---	---
	03/07/08	---	---	---	---	---	---	---	---	---	---	---
	07/10/08	---	---	---	---	---	---	---	---	---	---	---
	10/08/08	---	---	---	---	---	---	---	---	---	---	---
	01/23/09	---	---	---	---	---	---	---	---	---	---	---
	04/29/09	---	---	---	---	---	---	---	---	---	---	---
10/22/09	---	---	---	---	---	---	---	---	---	---	---	
MW-6	03/29/07	ND	---	ND	ND	ND	ND	ND	---	58	<2.0	<0.40
	04/19/07	ND	ND	6.4	ND	ND	ND	ND	1,200	290	<0.50	<0.40
	05/24/07	ND	ND	ND	ND	ND	ND	ND	800	1,100	<0.50	<0.40
	07/26/07	ND	ND	ND	ND	ND	ND	ND	410	1,200	<0.50	<0.40
	09/26/07	ND	ND	ND	ND	ND	ND	ND	240	2,000	<0.50	9.70
	11/29/07	ND	ND	ND	ND	ND	ND	ND	130	1,400	5.30	<0.40
	03/07/08	ND	ND	24	ND	ND	ND	ND	45	1,700	<0.50	<0.40
	07/10/08	ND	ND	ND	ND	ND	ND	ND	43	550	<0.50	<0.40
	10/08/08	ND	ND	ND	ND	ND	ND	ND	28	1,500	<0.50	<0.40
	01/23/09	ND	ND	ND	ND	ND	ND	ND	58	3,300	<250	<200
	04/29/09	ND	ND	2.4	ND	ND	ND	ND	50	2,500	<250	<200
10/22/09	ND	ND	ND	ND	ND	ND	ND	36	2,100	<0.50	<0.40	
MW-7	03/29/07	ND	ND	7.2	ND	ND	ND	1.8	ND	16	<0.50	3.2
	04/19/07	ND	ND	ND	ND	ND	ND	ND	1,300	64	0.75	1.0
	05/24/07	ND	ND	3.4	ND	ND	ND	ND	880	1,400	<0.50	<0.40
	07/26/07	ND	ND	1.8	ND	ND	ND	ND	420	1,700	<0.50	<0.40
	09/26/07	ND	ND	ND	ND	ND	ND	ND	260	2,000	<0.50	4.7
	11/29/07	ND	ND	1.8	ND	ND	ND	ND	140	1,400	2.2	<0.40
	03/07/08	ND	ND	18	ND	ND	ND	0.18	84	2,100	<0.50	<0.40
	07/10/08	ND	ND	ND	ND	ND	ND	ND	620	690	<0.50	<0.40
	10/08/08	0.96	ND	4.3	ND	0.25	ND	ND	89	1,400	<0.50	<0.40
	01/23/09	ND	ND	ND	ND	ND	ND	ND	68	3,200	<250	<200
	04/29/09	ND	ND	3.7	ND	ND	ND	ND	61	3,800	<130	<100
10/22/09	ND	ND	2.2	ND	ND	ND	ND	29	1,600	<0.50	<0.40	
NR 140 PAL		8	5	200	40	0.5	ns	0.02	ns	ns	ns	ns
NR 140 ES		40	0.5	1,000	200	5	ns	0.2	ns	ns	ns	ns

Notes:  
 Concentration reported in ug/L (ppb) except where noted  
 PAL = Preventive Action Limit Established in NR 140, Wisconsin Administrative Code  
 ES = Enforcement Standard Established in NR 140, Wisconsin Administrative Code  
 ND = Concentration Below Laboratory Method Detection Limit  
**BOLD** = Concentration exceeds NR 140 Wisconsin Administrative Code ES  
 ns = NR 140 Wisconsin Administrative Code Ground Water Standard Established For This Parameter  
 --- No sample collected from this well during this sampling event  
 Piezometer PZ-5 installed on 2-5-05  
 Water table well MW-6 installed 4-11-06  
 Water table well MW-7 installed 1-25-07  
 Analyte detected in method blank, lab artifact

Table 1 - Ground Water Elevation Data  
 Petron Corporation  
 New Berlin, Wisconsin

Well Number	Date	Well Elevation (ft msl)	Depth to Water (feet below TOC)	Ground Water Elevation (ft. msl)
MW-1	3/20/2003	855.55	5.01	850.54
	5/1/2003	855.55	---	---
	9/25/2003	855.55	6.69	848.86
	12/23/2003	855.55	2.85	852.70
	2/25/2004	855.55	7.93	847.62
	3/8/2005	855.55	---	---
	5/18/2005	855.55	2.25	853.3
MW-2	12/8/2009	855.55	3.29	852.26
	3/20/2003	856.41	6.28	850.13
	5/1/2003	856.41	6.35	850.06
	9/25/2003	856.41	8.16	848.25
	12/23/2003	856.41	6.64	849.77
	2/25/2004	856.41	6.28	850.13
	3/8/2005	856.41	---	---
MW-3	5/18/2005	856.41	5.24	851.17
	12/8/2009	856.41	5.95	850.46
	3/20/2003	856.13	3.84	852.29
	5/1/2003	856.13	4.12	852.01
	9/25/2003	856.13	5.94	850.19
	12/23/2003	856.13	4.78	851.35
	2/25/2004	856.13	5.27	850.86
MW-4	3/8/2005	856.13	---	---
	5/18/2005	856.13	3.86	852.27
	12/8/2009	856.13	3.74	852.39
	3/20/2003	856.04	10.7	845.34
	5/1/2003	856.04	10.8	845.24
	9/25/2003	856.04	11.52	844.52
	12/23/2003	856.04	10.91	845.13
MW-5	2/25/2004	856.04	10.93	845.11
	3/8/2005	856.04	---	---
	5/18/2005	856.04	11.48	844.56
	12/8/2009	856.04	9.04	847.00
	3/20/2003	856.53	---	"Free product in well"
	5/1/2003	856.53	10.27/10.44	"Free product in well"
	9/25/2003	856.53	11.15/11.83	"Free product in well"
MW-6	12/23/2003	856.53	---	"Free product in well"
	2/25/2004	856.53	---	"Free product in well"
	3/8/2005	856.53	---	"Free product in well"
	5/18/2005	856.53	9.62/9.70	"Free product in well"
	2/12/2007	856.53	9.45	847.08
	4/19/2007	856.53	---	---
	5/24/2007	856.53	---	---
	9/26/2007	856.53	---	---
	11/29/2007	856.53	---	---
	7/10/2008	856.53	---	---
	10/8/2008	856.53	8.55	847.98
	4/29/2009	856.53	---	---
	12/8/2009	856.53	7.76	848.77
PZ-5	3/8/2005	856.38	---	---
	5/18/2005	856.38	11.04	845.34
	12/8/2009	856.38	8.98	847.40
MW-7	2/12/2007	---	10.19	---
	4/19/2007	---	12.06	---
	5/24/2007	---	12.14	---
	9/26/2007	---	10.45	---
	11/29/2007	---	10.50	---
	7/10/2008	---	9.93	---
	10/8/2008	---	10.11	---
	4/29/2009	---	8.88	---
MW-8	12/8/2009	---	8.59	---
	2/12/2007	---	6.78	---
	4/19/2007	---	7.86	---
	5/24/2007	---	7.76	---
	9/26/2007	---	6.93	---
	11/29/2007	---	8.64	---
	7/10/2008	---	6.92	---
	10/8/2008	---	7.07	---
MW-9	4/29/2009	---	6.50	---
	12/8/2009	---	6.75	---

TOC - Top of well casing  
 msl - Mean sea level  
 --- Not measured on this date  
 10.27/10.44 - First reading depth to product/Second reading depth to water

**Table 2 - Well Elevation Data Summary  
Petron Corporation  
New Berlin, Wisconsin**

Well Number	Top of Casing Elevation (ft. msl)	Well Depth (feet below TOC)	Bottom of Screen Elevation (ft. msl)	Top of Screen Elevation (ft. msl)
MW-1	855.55	15.5	840.05	850.05
MW-2	856.41	16	840.41	850.41
MW-3	856.13	16	840.13	850.13
MW-4	856.04	16	840.04	850.04
MW-5	856.53	17	839.53	849.53
PZ-5	856.38	30.5	825.88	830.88
MW-6	---	17	---	---
MW-7	---	15	---	---

TOC - Top of well casing  
msl - Mean sea level  
"---" Not surveyed