

# GIS REGISTRY

## Cover Sheet

March, 2010  
(RR 5367)

### Source Property Information

BRRTS #: 03-13-000507

ACTIVITY NAME: ROYSTER

PROPERTY ADDRESS: 902 Dempsey Rd

MUNICIPALITY: Madison

PARCEL ID #: 251/0710-092-2506-4

CLOSURE DATE: Jan 5, 2011

FID #: 113014770

DATCP #:

COMM #: 53714302402

#### \*WTM COORDINATES:

X: 575611 Y: 290433

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

#### WTM COORDINATES REPRESENT:

- Approximate Center Of Contaminant Source  
 Approximate Source Parcel Center

Please check as appropriate: (BRRTS Action Code)

#### Contaminated Media:

Groundwater Contamination > ES (236)

Contamination in ROW

Off-Source Contamination

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

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

Contamination in ROW

Off-Source Contamination

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

#### Land Use Controls:

N/A (Not Applicable)

Soil: maintain industrial zoning (220)

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

Structural Impediment (224)

Site Specific Condition (228)

Cover or Barrier (222)

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

Vapor Mitigation (226)

Maintain Liability Exemption (230)

*(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 #: 03-13-000507

PARCEL ID #: 251/0710-092-2506-4

ACTIVITY NAME: Royster Clark

WTM COORDINATES: X: 575611 Y: 290433

**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.)
- Continuing Obligation Cover Letter** (for property owners affected by residual contamination and/or continuing obligations)
- 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 #:**                      **Title: Certified Survey Map No. 4780**
- 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 11 x 17 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 #: A-2**                      **Title: Site Location Map**
- 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 #: A-3**                      **Title: Site Plan**
- 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 #:**                      **Title:**

BRRTS #: 03-13-000507

ACTIVITY NAME: Royster Clark

**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 #: 5 Title: 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 #: E-2 Title: Groundwater Analytical Results Map**

- 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 #: E-3 Title: Water Table Map April 3, 2007**

**Figure #: E-5 Title: Water Table Map June 18, 2008**

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

Tables must be no larger than 11 x 17 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:**

- 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 #: E-1 Title: Groundwater Analytical Results Summary - PVOCs**

- 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 #: E-8 Title: Water Level Summary**

**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: Monitoring Well Map**

- 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 #: 03-13-000507

ACTIVITY NAME: Royster Clark

**NOTIFICATIONS**

**Source Property**

**Not Applicable**

**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.

**Not Applicable**

**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:**



January 5, 2011

File Ref: 03-13-000507

Mr. Daren Couture  
Agrium U.S. Incorporated  
13131 Lake Fraser Drive S.E.  
Calgary, Alberta T25 7E8

Subject: Final Closure for the Leaking Underground Storage Tank 'Site' at the former Royster-Clark Madison Property, 902 Dempsey Road, Madison, Dane County, Wisconsin.

Dear Mr. Couture:

On August 17, 2010 and September 1, 2010, the South Central Region Closure Committee reviewed your request for closure of the case described above. The South Central Region Closure Committee reviews environmental remediation cases for compliance with state rules and statutes to maintain consistency in the closure of these cases. On September 2, 2010, you were notified that the Closure Committee had granted conditional closure to this case.

On December 21, 2010, the Department received information and documentation indicating that you have complied with the requirements for final closure. Monitoring well abandonment forms and remedial system abandonment documentation were received.

The Department reviewed the case closure request regarding the petroleum compound contamination in soil and groundwater at this site. 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 certain continuing obligations as explained in this letter.

NOTE: This letter is in regards to the petroleum contamination in the southeast corner of the site and is not meant to address the agricultural chemical related contamination at the site. That investigation and clean-up is being overseen by the Department of Agriculture, Trade and Consumer Protection. Closure of the petroleum contamination in this case is one of the requirements to obtain the Voluntary Party Liability Exemption that is currently being sought for the property. However, additional investigation and clean-up activities at the property will be necessary to complete the VPLE process for the property.

#### GIS Registry

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

- Pavement must be maintained over specified areas and the state must approve any changes to this barrier
- Groundwater contamination is present above Chapter NR 140 enforcement standards
- One or more monitoring wells were approved to be kept for further monitoring involved in the ongoing agricultural chemical contamination investigation. Annual inspections are required and the wells must be properly abandoned when the monitoring has been completed.

All site information, including the maintenance plan, is also on file at the South Central Regional DNR office, at 3911 Fish Hatchery Road, Fitchburg, WI 53711. 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 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.

### Residual Soil Contamination

If soil is excavated in the future, then pursuant to ch. NR 718 or, if applicable, ch. 289, Stats, and chs. 500 to 536, 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 standards 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 to prevent a direct contact health threat to humans.

### Pavement Barrier

Pursuant to s. 292.12(2)(a), Wis. Stats., the pavement that currently exists in the location shown on the Cap Maintenance Area map (Figure 1) shall be maintained in compliance with the Cap Maintenance Plan in order to minimize the infiltration of water and prevent additional groundwater contamination that would violate the groundwater quality standards in ch. NR 140, Wis. Adm. Code.

### Prohibited Activities

The following activities are prohibited on any portion of the property where pavement, a building foundation, or soil cover is required as shown on the attached map, 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. Upon Department approval to replace the existing barrier, the replacement barrier must be one of similar permeability, until contaminant levels no longer exceed the applicable standards.

### Residual Groundwater Contamination

Groundwater impacted by petroleum contamination greater than enforcement standards set forth in ch. NR140, Wis. Adm. Code, is present on this contaminated 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>.

### Continued Monitoring Approved

The Department approves continued monitoring of the following wells: PECFA-MW-1, PECFA-MW-2 and PECFA-MW-3 located as shown on the attached map. Sampling results must be submitted to the Department within 30 days of receipt of the results. An annual inspection of the well is required to verify the integrity of the monitoring well construction, starting one year after the date of this letter.

In the future, once monitoring of these wells ends, the then current owner of the property on which the wells are located will be required to notify the Department, to properly abandon the wells in compliance with the requirements in ch. NR 141, Wis. Adm. Code, and to submit the required documentation of that abandonment to the Department.

### Dewatering Permits

The Department's Watershed Management Program regulates point source discharges of contaminated water, including discharges to surface waters, storm sewers, pits or to the ground surface. This includes discharges from construction related dewatering activities, including utility and building construction.

Based on the concentrations of contaminants remaining in groundwater at this location, it appears likely that dewatering activities would require a permit from the Watershed Management Program. If you or any other person plan to conduct such activities, you or that person must contact that program, and if necessary, apply for the necessary discharge permit. Additional information regarding discharge permits is available at <http://www.dnr.state.wi.us/org/water/wm/ww/>

### 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 pavement, an engineered cover or a soil barrier that must be maintained over contaminated soil
- One or more monitoring wells that were approved for continued monitoring are properly abandoned when monitoring ends.

Please send written notifications in accordance with the above requirements to the South Central Region to the attention of Wendy Weihemuller, RR Program contact.

The following DNR fact sheet, RR-819, "Continuing Obligations for Environmental Protection" has been included with this letter, to help explain a property owner's responsibility for continuing obligations on their property. If the fact sheet is lost, you may obtain a copy at <http://dnr.wi.gov/org/aw/rr/archives/pubs/RR819.pdf>

Section 101.143, Wis. Stats., requires that PECFA claimants seeking reimbursement of interest costs, for sites with petroleum contamination, submit a final reimbursement claim within 120 days after they receive a closure letter on their site. For claims not received by the PECFA Program within 120 days of the date of this letter, interest costs after 60 days of the date of this letter will not be eligible for PECFA reimbursement. If there is equipment purchased with PECFA funds remaining at the site, contact the Commerce PECFA Program to determine the method for salvaging the equipment.

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 Wendell Wojner at (608) 275-3297.

Sincerely,



Linda Hanefeld, Team Supervisor  
South Central Region Remediation & Redevelopment Program

Attachment – Site Map for Pavement or Soil Barrier  
Maintenance Plan  
RR 819

cc: Stephen Sellwood, BT2 Inc. 2830 Dairy Drive, Madison, WI 53718  
Michael Prager – RR/5  
Jon Heberer Wisconsin Department of Commerce  
Rick Graham Department of Agriculture, Trade and Consumer Protection

# **CAP MAINTENANCE PLAN**

## **Royster-Clark LUST Site**

902 Dempsey Road  
Madison, Wisconsin

August 2010

Prepared For:

**Agrium US, Inc.**  
13131 Lake Fraser Drive SE  
Calgary, Alberta T2J 7E8

Prepared By:

**BT SQUARED, Inc.**  
2830 Dairy Drive  
Madison, Wisconsin 53718

**BT SQUARED Project #3234**

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## FIGURE

- 1 Cap Maintenance Area

## APPENDICES

- A Deed with Legal Description
- B Barrier Inspection Log

i:\3234\reports\pecfa closure\cap maintenance plan.doc

Roy  
Mark

## 1.0 INTRODUCTION

Property Location: 902 Dempsey Road

FID #: 113014770

WDNR BRRTS/Activity #: 03-13-000507

Legal Description: Parcel 1 as described in Exhibit A to Deed included as **Appendix A**

Tax #: 251/0710-092-2506-4

This document is the Maintenance Plan for a pavement cover 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 existing paved surface occupying the area over the contaminated groundwater plume on site. The contaminated groundwater plume is impacted by petroleum volatile organic compounds (PVOCs). The location of the paved surface to be maintained in accordance with this Maintenance Plan, as well as the impacted groundwater plume are identified on the attached map (**Figure 1**).

## 2.0 COVER PURPOSE

The paved surface over the contaminated groundwater plume serves as a barrier to limit infiltration. The purpose of maintaining the barrier is to prevent an increase in infiltration above existing conditions in the area of the groundwater contaminant plume. The existing barrier will continue to function as intended unless disturbed.

## 3.0 ANNUAL INSPECTION

The paved surface overlying the contaminated groundwater plume and as depicted on **Figure 1** will be inspected once a year, normally in the spring after all snow and ice are gone, for deterioration, new cracks, and other potential problems that can cause additional infiltration into underlying soils. The

inspections will be performed to evaluate damage due to settling, exposure to the weather, wear from traffic, and other factors. Any area 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 and is included in **Appendix B**, Cap Inspection Log. The log will include recommendations for necessary repair of any areas where underlying soils are exposed. Once repairs are completed, they will be documented in the inspection log. A copy of the inspection log will be sent to the Wisconsin Department of Natural Resources (WDNR) at least annually after every inspection, unless otherwise directed in the case closure letter.

#### 4.0 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 or they can include larger resurfacing or construction operations.

In the event the paved surface overlying the contaminated groundwater plume is 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 Maintenance Plan unless indicated otherwise by the WDNR or its successor.

#### 5.0 AMENDMENT OR WITHDRAWAL OF MAINTENANCE PLAN

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

##### 5.1 Contact Information

August 2010

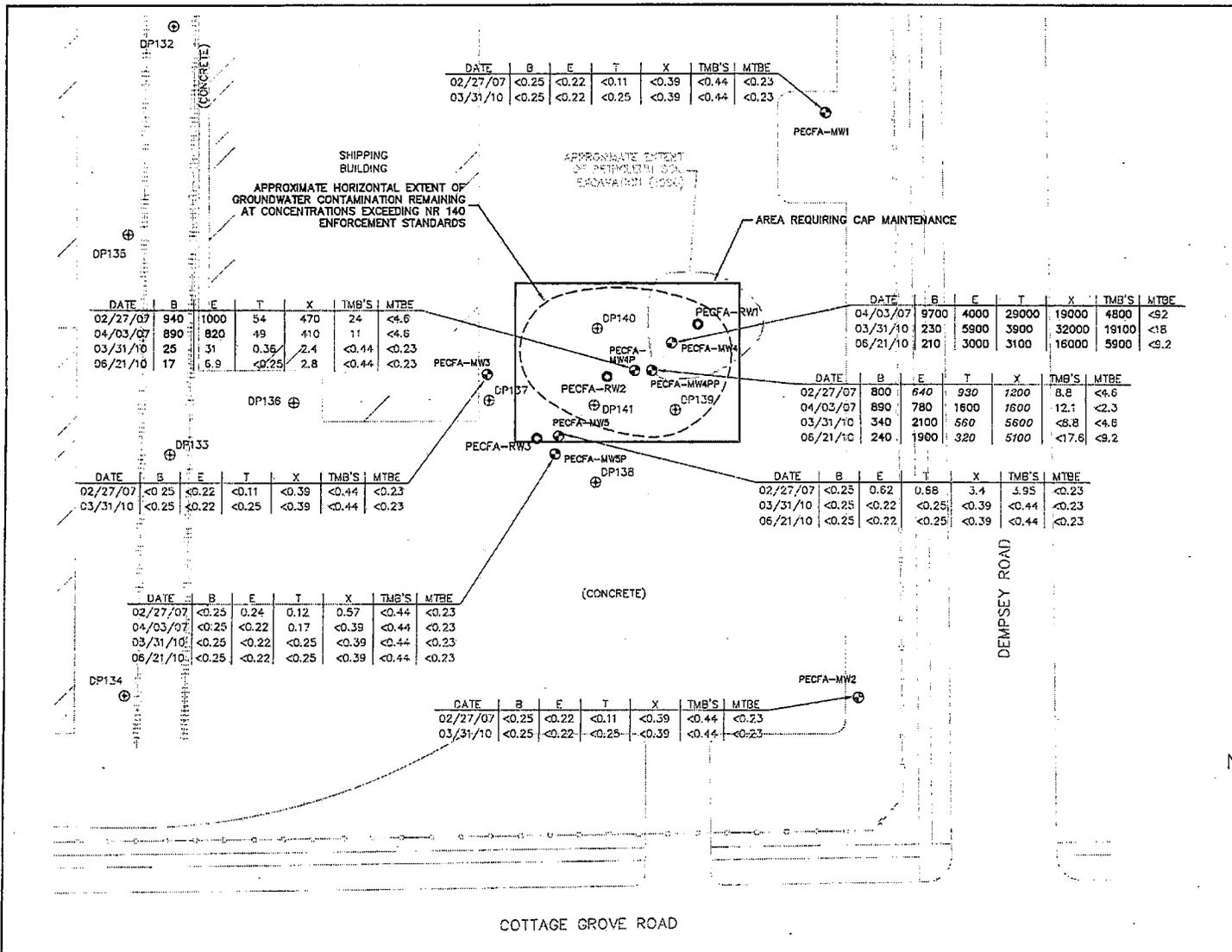
Site Owner and Operator: Agrium US, Inc.  
Attn: Daren Couture  
13131 Lake Fraser Drive SE  
Calgary, Alberta T2J 7E8  
Phone: 403.225.7593

Consultant:           BT Squared, Inc.  
                          2830 Dairy Drive  
                          Madison, WI 53718  
                          Phone: 608.224.2830

WDNR:                Wendell Wojner  
                          3911 Fish Hatchery Road  
                          Fitchburg, WI 53711  
                          Phone: 608.275.3297

| LEGEND |                                                              |
|--------|--------------------------------------------------------------|
| ⊕      | FIRE HYDRANT                                                 |
| ⊙      | STORM SEWER INLET                                            |
| ⊖      | UTILITY POLE                                                 |
| ⊕      | ELECTRIC                                                     |
| ---    | GAS                                                          |
| ---    | STORM SEWER                                                  |
| ---    | TELEPHONE                                                    |
| ---    | WATER                                                        |
| ---    | TRAIN TRACKS                                                 |
| ---    | FENCE                                                        |
| ⊕      | GEOPROBE SOIL BORING (2003)                                  |
| ⊙      | MONITORING WELL                                              |
| ⊕      | RECOVERY WELL                                                |
| B      | BENZENE (μg/l)                                               |
| E      | ETHYLBENZENE (μg/l)                                          |
| T      | TOLUENE (μg/l)                                               |
| X      | XYLENES (μg/l)                                               |
| TMB'S  | 1,2,4-TRIMETHYLBENZENE PLUS<br>1,3,5-TRIMETHYLBENZENE (μg/l) |
| MTBE   | METHYL-TERT-BUTYL ETHER (μg/l)                               |

- NOTES:
1. SITE PLAN BASED ON MADISON EAST NW QUADRANT ORTHOPHOTOGRAPH, USGS, DATED MAY 16, 2000 AND REVISED WITH GPS DATA, COORDINATE SYSTEM IS UTM ZONE 16 NORTH IN FEET.
  2. BOLD VALUES EXCEED NR 140 ENFORCEMENT STANDARDS.
  3. ITALIC VALUES EXCEED NR 140 PREVENTIVE ACTION LIMITS.
  4. NOT ALL RESULTS SHOWN.



| DATE     | B     | E     | T     | X     | TMB'S | MTBE  |
|----------|-------|-------|-------|-------|-------|-------|
| 02/27/07 | <0.25 | <0.22 | <0.11 | <0.39 | <0.44 | <0.23 |
| 03/31/10 | <0.25 | <0.22 | <0.25 | <0.39 | <0.44 | <0.23 |

| DATE     | B   | E    | T     | X   | TMB'S | MTBE  |
|----------|-----|------|-------|-----|-------|-------|
| 02/27/07 | 940 | 1000 | 54    | 470 | 24    | <4.6  |
| 04/03/07 | 890 | 820  | 49    | 410 | 11    | <4.6  |
| 03/31/10 | 25  | 31   | 0.36  | 2.4 | <0.44 | <0.23 |
| 06/21/10 | 17  | 16.9 | <0.25 | 2.8 | <0.44 | <0.23 |

| DATE     | B    | E    | T     | X     | TMB'S | MTBE |
|----------|------|------|-------|-------|-------|------|
| 04/03/07 | 9700 | 4000 | 29000 | 19000 | 4800  | <52  |
| 03/31/10 | 230  | 5900 | 3900  | 32000 | 19100 | <18  |
| 06/21/10 | 210  | 3000 | 3100  | 16000 | 5900  | <9.2 |

| DATE     | B   | E    | T    | X    | TMB'S | MTBE |
|----------|-----|------|------|------|-------|------|
| 02/27/07 | 800 | 640  | 930  | 1200 | 8.8   | <4.6 |
| 04/03/07 | 890 | 780  | 1600 | 1600 | 12.1  | <2.3 |
| 03/31/10 | 340 | 2100 | 660  | 5600 | <8.8  | <4.6 |
| 06/21/10 | 240 | 1900 | 320  | 5100 | <17.6 | <9.2 |

| DATE     | B     | E     | T     | X     | TMB'S | MTBE  |
|----------|-------|-------|-------|-------|-------|-------|
| 02/27/07 | <0.25 | <0.22 | <0.11 | <0.39 | <0.44 | <0.23 |
| 03/31/10 | <0.25 | <0.22 | <0.25 | <0.39 | <0.44 | <0.23 |

| DATE     | B     | E     | T     | X     | TMB'S | MTBE  |
|----------|-------|-------|-------|-------|-------|-------|
| 02/27/07 | <0.25 | 0.62  | 0.68  | 3.4   | 5.95  | <0.23 |
| 03/31/10 | <0.25 | <0.22 | <0.25 | <0.39 | <0.44 | <0.23 |
| 06/21/10 | <0.25 | <0.22 | <0.25 | <0.39 | <0.44 | <0.23 |

| DATE     | B     | E     | T     | X     | TMB'S | MTBE  |
|----------|-------|-------|-------|-------|-------|-------|
| 02/27/07 | <0.25 | 0.24  | 0.12  | 0.57  | <0.44 | <0.23 |
| 04/03/07 | <0.25 | <0.22 | 0.17  | <0.39 | <0.44 | <0.23 |
| 03/31/10 | <0.25 | <0.22 | <0.25 | <0.39 | <0.44 | <0.23 |
| 06/21/10 | <0.25 | <0.22 | <0.25 | <0.39 | <0.44 | <0.23 |

| DATE     | B     | E     | T     | X     | TMB'S | MTBE  |
|----------|-------|-------|-------|-------|-------|-------|
| 02/27/07 | <0.25 | <0.22 | <0.11 | <0.39 | <0.44 | <0.23 |
| 03/31/10 | <0.25 | <0.22 | <0.25 | <0.39 | <0.44 | <0.23 |

|                   |                          |                                                                                           |                                                                   |                                                                    |                              |        |
|-------------------|--------------------------|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------|--------------------------------------------------------------------|------------------------------|--------|
| PROJECT NO. 3234  | DRAWN BY: KP             | <br><b>BT SQUARED</b><br>2630 DAIRY DRIVE MADISON, WI 53718-6751<br>PHONE: (800) 224-2630 | CLIENT<br><br><b>Agrium</b><br>AGRILIUM, INC.<br>CALGARY, ALBERTA | PROJECT<br>ROYSTER-CLARK<br>902 DEMPSEY ROAD<br>MADISON, WISCONSIN | AREA<br>CAP MAINTENANCE AREA | FIGURE |
| DRAWN: 10/24/06   | CHECKED BY: SWS          |                                                                                           |                                                                   |                                                                    |                              | 1      |
| REVISED: 08/25/10 | APPROVED BY: SMS 8-25-10 |                                                                                           |                                                                   |                                                                    |                              |        |

F:\3234\Reg\reg\mwd\PECFA-NLS-V\Map\_02/20/10\_82214.dwg





## State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor  
Matthew J. Frank, Secretary  
Lloyd L. Eagan, Regional Director

South Central Region Headquarters  
3911 Fish Hatchery Road  
Fitchburg, Wisconsin 53711-5397  
Telephone 608-275-3266  
FAX 608-275-3338  
TTY Access via relay - 711

September 2, 2010

File Ref: 06-13-550137

Mr. Daren Couture  
Agrium U.S. Incorporated  
13131 Lake Fraser Drive S.E.  
Calgary, Alberta T25 7E8

Subject: Conditional Closure for the Leaking Underground Storage Tank 'Site' at the former Royster-Clark Madison Property, 902 Dempsey Road, Madison, Dane County, Wisconsin.

Dear Mr. Couture:

On August 17, 2010 and September 1, 2010, the South Central Region Closure Committee reviewed your request for closure of the case described above. The South Central Region Closure Committee 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 closure committee has determined that the petroleum hydrocarbon contamination on the site from the former underground storage tanks 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, Wisconsin Administrative Code and will be closed if the following conditions are satisfied:

### MONITORING WELL ABANDONMENT

The monitoring wells and recovery 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 me on Form 3300-005 found at <http://dnr.wi.gov/org/water/dwg/gw/> or provided by the Department of Natural Resources.

NOTE: The monitoring wells that are present should be evaluated for their potential usefulness in the continuing Voluntary Party Liability Exemption (VPLE) site work. The monitoring wells can contribute valuable information to the ongoing investigation of the nitrogen contamination case. The monitoring wells can be properly abandoned at some point in the future when the VPLE work has been completed. The monitoring wells need to be properly maintained and cared for until they are to be properly abandoned.

When the above condition has been satisfied, please submit the appropriate documentation (for example, well abandonment forms) to verify that applicable condition has been met, and your case will be closed. 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>.

Section 101.143, Wis. Stats., requires that PECFA claimants seeking reimbursement of interest costs, for sites with petroleum contamination, submit a final reimbursement claim within 120 days after they receive a closure letter on their site. For claims not received by the PECFA Program within 120 days of the date of this letter, interest costs after 60 days of the date of this letter will not be eligible for PECFA reimbursement. If there is equipment purchased with PECFA funds remaining at the site, contact the Commerce PECFA Program to determine the method for salvaging the equipment.

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.

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 me at (608) 275-3297.

Sincerely,



Wendell Wojner  
Remediation & Redevelopment Program  
Department of Natural Resources  
South Central Region

cc: Michael Prager – RR/5  
Stephen Sellwood, BT2 Inc. 2830 Dairy Drive, Madison, WI 53718-6751  
Jon Heberer Wisconsin Department of Commerce



**WARRANTY DEED**



\* 4 3 4 8 4 7 5 3 \*  
DANE COUNTY  
REGISTER OF DEEDS

DOCUMENT #  
**4348475**

08/23/2007 03:37PM

Trans. Fee: 5041.80  
Exempt #:

Rec. Fee: 15.00  
Pages: 3

**This Deed, made between Crop Production Services, Inc. (f/k/a Royster-Clark, Inc.) Grantor,**

**and Agrium U.S. Inc. Grantee,**

Witnesseth, That the said Grantor, for a valuable consideration of one Dollar (\$1.00) and other good and valuable consideration conveys to

Grantee the following described real estate in **Dane County, State of Wisconsin:**

**See Exhibit A**

RETURN TO:  
**Agrium U.S. Inc.**  
**c/o 13312 SE 27th Street**  
**Vancouver, Washington, 98683**

Tax Parcel No. 251/0710-092-2506-4;  
251/0710-092-2504-8;  
251/0710-092-2505-6;  
251/0710-092-2502-2.

Together with all and singular the hereditaments and appurtenances thereunto belonging; and **Crop Production Services, Inc.** warrant that the title is good, indefeasible in fee simple and free and clear of encumbrances except recorded restrictions, covenants, easements of record and all applicable zoning ordinances, and will warrant and defend the same.

Dated: August 21, 2007

By:   
Gary J. Daniel, Corporate Secretary  
Crop Production Services, Inc.

**AUTHENTICATION**

Signature(s)

authenticated this

TITLE: MEMBER STATE BAR OF  
WISCONSIN

(If not, authorized by  (4,6) 706.06,  
Wis. Stats)

THIS INSTRUMENT WAS DRAFTED BY  
*Elisabeth Millo*  
(Signatures may be authenticated or  
acknowledged. Both are not  
necessary.) NCS-293817

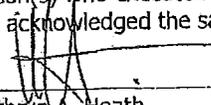
**ACKNOWLEDGEMENT**

Province of Alberta)

) SS:

CANADA )

Personally came before me this 21st day of August, 2007 the above named to me known to be the person(s) who executed the foregoing instrument and acknowledged the same.

  
Kathryn A. Heath  
Notary Public

My appointment continues as a member  
of the Law Society of Alberta

*3/15*

**Exhibit A to Deed**  
**From Crop Production Services, Inc.**  
**to Agrium U.S. Inc.**

**PARCEL I:** Part of Lot 1, Certified Survey Map No. 4780, recorded in the Office of the Register of Deeds for Dane County, Wisconsin, in Volume 21 of Certified Survey Maps, Pages 124-126, as Document No. 1904179, located in the City of Madison, Dane County, Wisconsin, more fully described as follows: Commencing at the Northeasterly most corner of said Lot 1, Certified Survey Map No. 4780; thence South 01° 22' 50" East, along the West line of Dempsey Road, 197.04 feet to the point of beginning of this description; thence continuing South 01° 22' 50" East, along the West line of Dempsey Road, 503.00 feet; thence along the arc of a curve to the right, having a radius of 25.00 feet and a long chord subtended bearing South 42° 58' 37.5" West, 34.96 feet to the North line of Cottage Grove Road; thence South 87° 20' 05" West, along the North line of Cottage Grove Road, 516.10 feet to the Easterly line of Lot 2, Certified Survey Map No. 4780; thence North 01° 33' 58" West, along the East line of said Lot 2 extended, 789.65 feet; thence North 88° 26' 02" East, 90.07 feet; thence South 01° 33' 58" East, 69.45 feet; thence North 88° 25' 10" East, 252.77 feet; thence South 01° 34' 50" East, 31.64 feet; thence North 88° 25' 10" East, 40.50 feet; thence South 01° 34' 50" East, 60.10 feet; thence South 88° 25' 10" West, 21.33 feet; thence South 01° 41' 37" East, 90.33 feet; thence North 88° 33' 30" East, 179.93 feet to the point of beginning.

Tax Parcel No. 251/0710-092-2506-4  
Address Per Tax Roll: 902 Dempsey Road

**PARCEL II:** Part of Lot 2, Certified Survey Map No. 4780, recorded in the Office of the Register of Deeds for Dane County, Wisconsin, in Volume 21 of Certified Survey Maps, Pages 124-126, as Document No. 1904179, located in the City of Madison, Dane County, Wisconsin, more fully described as follows: Beginning at the Southeasterly most corner of said Lot 2 of Certified Survey Map No. 4780; thence South 87° 20' 05" West along the North line of Cottage Grove Road, 50.00 feet; thence North 33° 30' 15" West, along the West line of said Lot 2, 425.35 feet; thence North 01° 33' 58" West, along the West line of said Lot 2, 355.00 feet; thence North 88° 26' 02" East, along the North line of said Lot 2, 143.00 feet; thence South 05° 51' 35" East, 33.78 feet; thence South 85° 18' 28" East, 43.05 feet; thence North 27° 12' 42" East, 43.79 feet; thence North 88° 26' 02" East, 65.60 feet to the East line of said Lot 2, Certified Survey Map No. 4780; thence South 01° 33' 58" East, along the East line of said Lot 2, Certified Survey Map No. 4780, 715.00 to the point of beginning.

Tax Parcel No. 251/0710-092-2504-8  
Address Per Tax Roll: 510 Cottage Grove Road

**PARCEL III:** Part of Lot 1, Certified Survey Map No. 4780, recorded in the Office of the Register of Deeds for Dane County, Wisconsin, in Volume 21 of Certified Survey Maps, Pages 124-126, as Document No. 1904179, located in the City of Madison, Dane County, Wisconsin, more fully described as follows: Commencing at the Northeasterly most corner of said Lot 1, Certified Survey Map No. 4780; thence South 01° 22' 50" East, along the West line of Dempsey Road, 700.04 feet; thence along the arc of a curve to the right, having a radius of 25 feet and a long chord subtended bearing South 42° 58' 37.5" West 34.96 feet to the North line of Cottage Grove Road; thence South 87° 20' 05" West, along the North line of Cottage Grove Road, 566.10 feet to the point of beginning; thence South 87° 20' 05" West, along the North line of Cottage Grove Road, 492.84 feet; thence North 01° 18' 28" West, 725.42 feet; thence North 88° 26' 02" East, 264.47 feet to the West line of Lot 2, Certified Survey Map No. 4780; thence South 01° 33' 58" East, along the West line of said Lot 2, 355.00 feet; thence South 33° 30' 15" East, along the West line of said Lot 2, 425.35 feet to the point of beginning.

Tax Parcel No. 251/0710-092-2505-6  
Address Per Tax Roll: 406 Cottage Grove Road

**PARCEL IV:** Part of Lots 1 and 2, Certified Survey Map No. 4780, recorded in the Office of the Register of Deeds for Dane County, Wisconsin, in Volume 21 of Certified Survey Maps, Pages 124-126, as Document No. 1904179, located in the City of Madison, Dane County, Wisconsin, EXCEPT land conveyed by Warranty Deed recorded in Volume 7650 of Records, Page 1, as Document No. 1915731; ALSO

EXCEPT the following described parcels:

(1) Part of Lot 1, Certified Survey Map No. 4780, recorded in the Office of the Register of Deeds for Dane County, Wisconsin, in Volume 21 of Certified Survey Maps, Pages 124-126, as Document No. 1904179, located in the City of Madison, Dane County, Wisconsin, more fully described as follows: Commencing at the Northeastly most corner of said Lot 1, Certified Survey Map No. 4780; thence South 01° 22' 50" East, along the West line of Dempsey Road, 197.04 feet to the point of beginning of this description; thence continuing South 01° 22' 50" East, along the West line of Dempsey Road, 503.00 feet; thence along the arc of a curve to the right, having a radius of 25.00 feet and a long chord subtended bearing South 42° 58' 37.5" West, 34.96 feet to the North line of Cottage Grove Road; thence South 87° 20' 05" West, along the North line of Cottage Grove Road, 516.10 feet to the Easterly line of Lot 2, Certified Survey Map No. 4780; thence North 01° 33' 58" West, along the East line of said Lot 2 extended, 789.65 feet; thence North 88° 26' 02" East, 90.07 feet; thence South 01° 33' 58" East, 69.45 feet; thence North 88° 25' 10" East, 252.77 feet; thence South 01° 34' 50" East, 31.64 feet; thence North 88° 25' 10" East, 40.50 feet; thence South 01° 34' 50" East, 60.10 feet; thence South 88° 25' 10" West, 21.33 feet; thence South 01° 41' 37" East, 90.33 feet; thence North 88° 33' 30" East, 179.93 feet to the point of beginning.

(2) Part of Lot 2, Certified Survey Map No. 4780, recorded in the Office of the Register of Deeds for Dane County, Wisconsin, in Volume 21 of Certified Survey Maps, Pages 124-126, as Document No. 1904179, located in the City of Madison, Dane County, Wisconsin, more fully described as follows: Beginning at the Southeastly most corner of said Lot 2 of Certified Survey Map No. 4780; thence South 87° 20' 05" West along the North line of Cottage Grove Road, 50.00 feet; thence North 33° 30' 15" West, along the West line of said Lot 2, 425.35 feet; thence North 01° 33' 58" West, along the West line of said Lot 2, 355.00 feet; thence North 88° 26' 02" East, along the North line of said Lot 2, 143.00 feet; thence South 05° 51' 35" East, 33.78 feet; thence South 85° 18' 28" East, 43.05 feet; thence North 27° 12' 42" East, 43.79 feet; thence North 88° 26' 02" East, 65.60 feet to the East line of said Lot 2, Certified Survey Map No. 4780; thence South 01° 33' 58" East, along the East line of said Lot 2, Certified Survey Map No. 4780, 715.00 to the point of beginning.

(3) Part of Lot 1, Certified Survey Map No. 4780, recorded in the Office of the Register of Deeds for Dane County, Wisconsin, in Volume 21 of Certified Survey Maps, Pages 124-126, as Document No. 1904179, located in the City of Madison, Dane County, Wisconsin, more fully described as follows: Commencing at the Northeastly most corner of said Lot 1, Certified Survey Map No. 4780; thence South 01° 22' 50" East, along the West line of Dempsey Road, 700.04 feet; thence along the arc of a curve to the right, having a radius of 25 feet and a long chord subtended bearing South 42° 58' 37.5" West 34.96 feet to the North line of Cottage Grove Road; thence South 87° 20' 05" West, along the North line of Cottage Grove Road, 566.10 feet to the point of beginning; thence South 87° 20' 05" West, along the North line of Cottage Grove Road, 492.84 feet; thence North 01° 18' 28" West, 725.42 feet; thence North 88° 26' 02" East, 264.47 feet to the West line of Lot 2, Certified Survey Map No. 4780; thence South 01° 33' 58" East, along the West line of said Lot 2, 355.00 feet; thence South 33° 30' 15" East, along the West line of said Lot 2, 425.35 feet to the point of beginning.

Tax Parcel No. 251/0710-092-2502-2  
Address Per Tax Roll: 802 Dempsey Road

**PARCEL V:** Non-exclusive ingress and egress easement for the benefit of Parcel II created by Warranty Deed from Royster Company, as grantor, to Madison Gas and Electric Company, as grantee, dated December 27, 1985, in Volume 7650 of Records, Dane County, Wisconsin, page 1, as Document NO. 1915731.

**END**



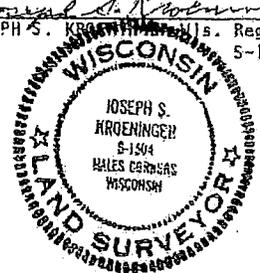
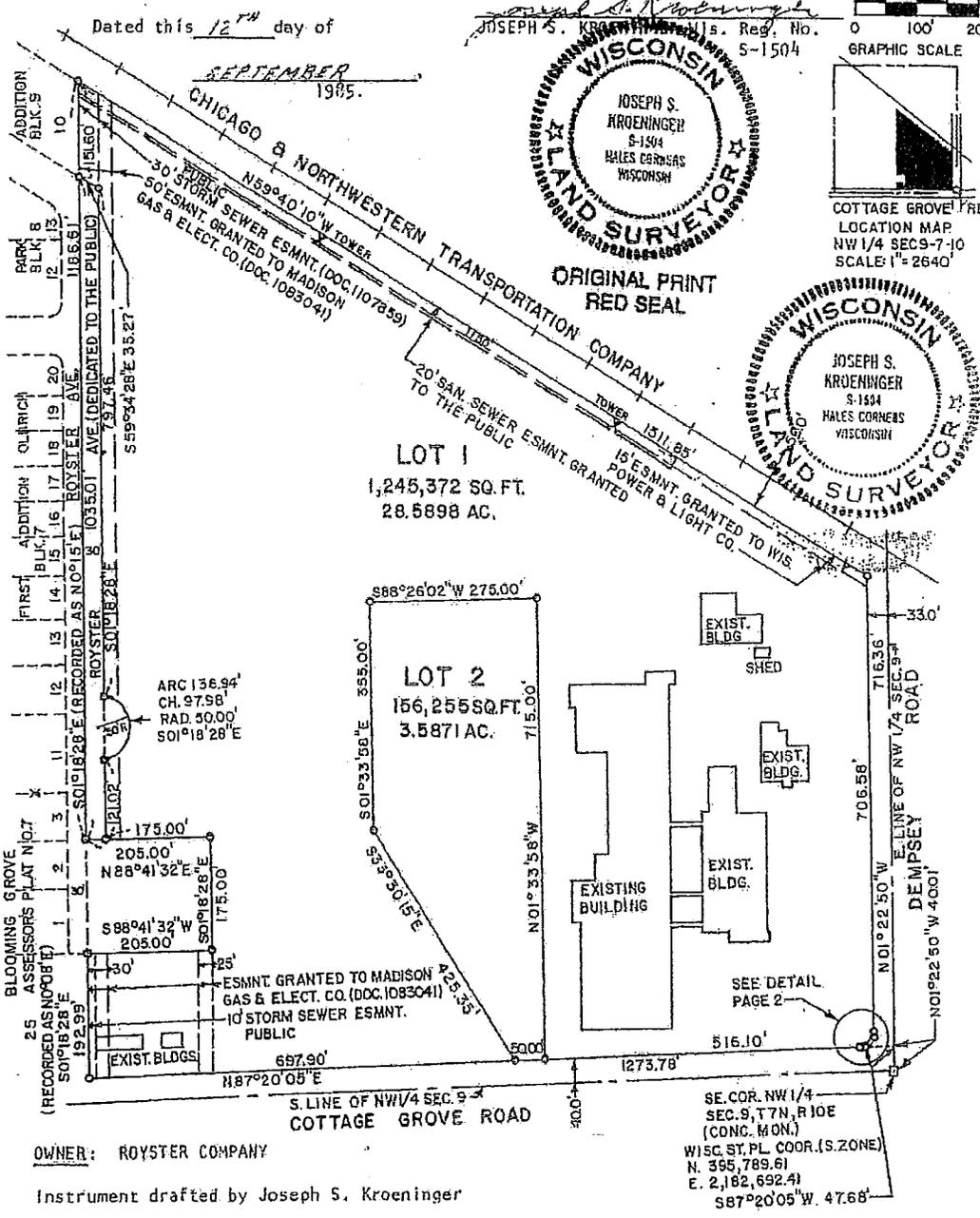
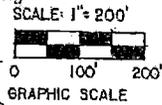
Stock No. 26273

*Official*  
Doc #1922722  
Vol 7818 Rsc P-25

VOL 7372 PAGE 37

CERTIFIED SURVEY MAP NO. 4780 Page 1 of 3  
VOLUME 21 OF C.S.M.'s ON PAGES 124-126 AS DOCUMENT NO. 1904179  
Part of the NE 1/4 & the SE 1/4 of the NW 1/4 of Section 9, T7N, R10E  
CITY OF MADISON, DANE COUNTY, WISCONSIN

REFERENCE MERIDIAN: The east line of the Northwest Quarter (NW 1/4) of Section 9,  
Town 7 North, Range 10 East, was used as the Reference Meridian and has a bearing  
of North 1°22'50" West (Assumed).



COTTAGE GROVE RD.  
LOCATION MAP  
NW 1/4 SEC 9-7-10  
SCALE 1"=2640'

OWNER: ROYSTER COMPANY

Instrument drafted by Joseph S. Kroeninger

SE. COR. NW 1/4  
SEC. 9, T7N, R10E  
(CONC. MON.)  
WISC. ST. PL. COOR. (S. ZONE)  
N. 395,789.61  
E. 2,182,692.41  
S87°20'05" W. 47.68'

*060*





Stock No. 26273

rvcl 7372 PAGE 39

VOLUME 21 OF C.S.M.'s ON PAGES 124-126 CERTIFIED SURVEY MAP NO. 4780 AS DOCUMENT NO. 1904179 Page 3 of 3  
Part of the NE 1/4 & the SE 1/4 of the NW 1/4 of Section 9, T7N, R10E  
CITY OF MADISON, DANE COUNTY, WISCONSIN

**CORPORATE OWNER'S CERTIFICATE:**

ROYSTER COMPANY, a Corporation duly licensed to do business in the State of Wisconsin, as owner does hereby certify that said Corporation caused the land described in the foregoing affidavit of JOSEPH S. KROENINGER, surveyor, to be surveyed, divided, dedicated, and mapped as represented on this map.

IN WITNESS WHEREOF, the said ROYSTER COMPANY has caused these presents to be signed by W. R. Powell, President and countersigned by G. R. Gill, Secretary, at Madison, Wisconsin, and its corporate seal to be hereunto affixed this 16th day of September, 1985.

G. R. Gill  
Secretary

ROYSTER COMPANY  
W. R. Powell  
President

VIRGINIA  
STATE OF ~~WISCONSIN~~ ss

At LARGE Personally came before me this 16th day of September, 1985, W. R. Powell, President and G. R. Gill, Secretary of the above named Corporation, to me known to be the persons who executed the foregoing instrument and to me known to such Officers of said Corporation and acknowledged that they executed the foregoing instrument as such officers as the deed of said Corporation by its authority.  
My commission expires 2/16/88.

Joan H. Debo  
NOTARY PUBLIC

**PLAN COMMISSION APPROVAL:**

APPROVED for recording by the Secretary of the Planning Commission of the City of Madison this 30th day of NOVEMBER, 1985.

George Rustin REG. E.A. 10-7-85  
GEORGE RUSTIN - SECRETARY

**COMMON COUNCIL RESOLUTION:**

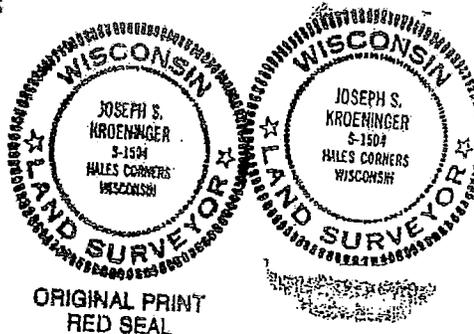
I hereby certify that this Certified Survey Map was approved by the Common Council of the City of Madison, Dane County, Wisconsin, by Resolution No. 40777, File No. 5078-1150, adopted on the 4th day of DECEMBER, 1985.

Dolores J. Miller Deputy  
CITY CLERK

Joseph S. Kroeninger  
JOSEPH S. KROENINGER - Wis. Reg. No. S-1504  
Dated this 12th day of SEPTEMBER, 1985

OWNER: ROYSTER COMPANY

Instrument drafted by Joseph S. Kroeninger



ORIGINAL PRINT  
RED SEAL

May 27, 2010

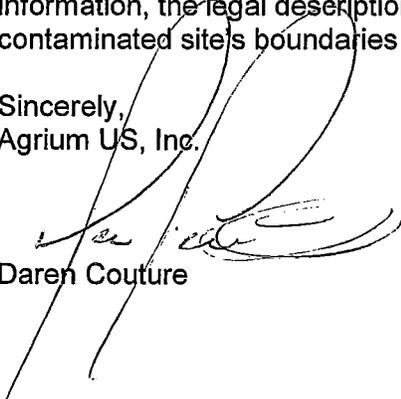
To: Wisconsin Department of Natural Resources

Subject: Statement that all Legal Descriptions for Properties within the  
Contaminated Site Boundaries have been Included  
Royster-Clark Madison Property  
902 Dempsey Road, Madison, Wisconsin  
BRRTS #03-13-000507

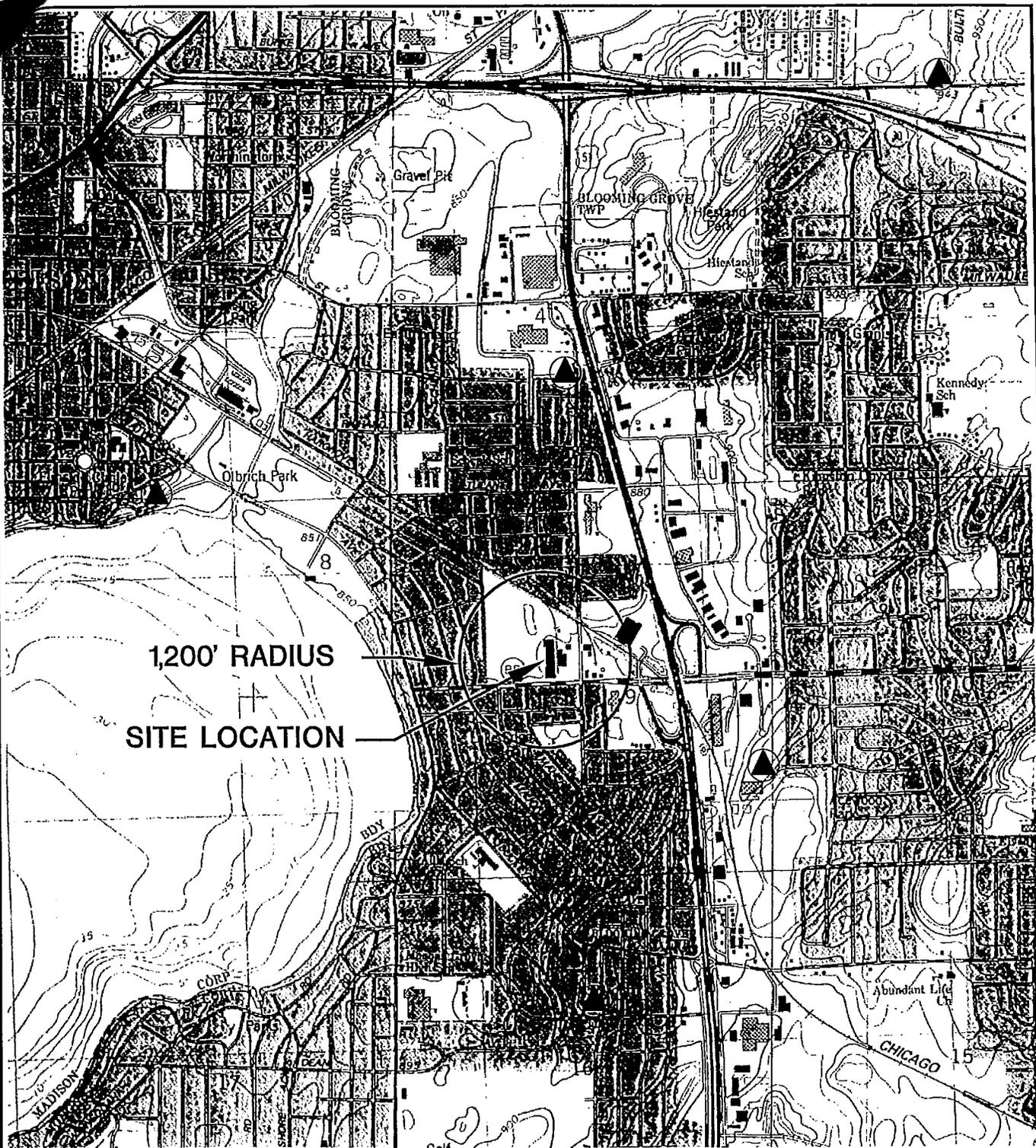
To Whom it May Concern:

To the best of my knowledge, I believe that with the submittal of the included property information, the legal descriptions for all of the properties within, or partially within the contaminated site's boundaries have been submitted with the case closure request.

Sincerely,  
Agrium US, Inc.



Daren Couture



1,200' RADIUS  
SITE LOCATION



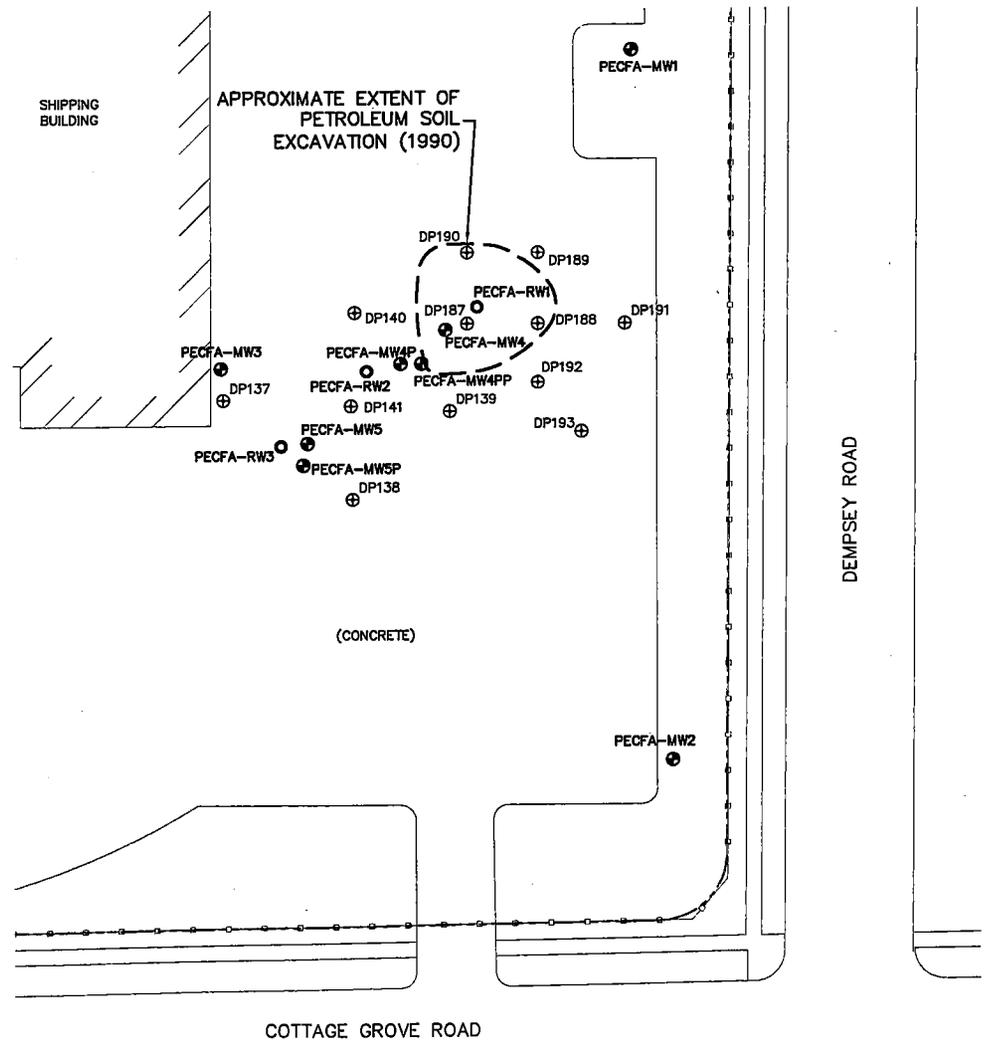
WATER SUPPLY WELL

MADISON EAST QUADRANGLE  
WISCONSIN—DANE CO.  
7.5 MINUTE SERIES (TOPOGRAPHIC)  
SE/4 MADISON 15' QUADRANGLE  
1983  
SCALE: 1" = 2,000'



QUADRANGLE LOCATION

|        |               |                                  |              |                                                         |          |                                                                                       |               |
|--------|---------------|----------------------------------|--------------|---------------------------------------------------------|----------|---------------------------------------------------------------------------------------|---------------|
| CLIENT | <b>Agrium</b> | AGRIUM, INC.<br>CALGARY, ALBERTA | SITE         | ROYSTER-CLARK<br>902 DEMPSEY ROAD<br>MADISON, WISCONSIN | ENGINEER | <b>BT SQUARED</b><br>2830 DAIRY DRIVE MADISON, WI 53718-6751<br>PHONE: (608) 224-2830 | FIGURE<br>A-2 |
|        | PROJECT NO.   | 3234                             |              | DRAWN BY:                                               |          |                                                                                       |               |
|        | DRAWN:        | 10/24/06                         | CHECKED BY:  | SMS                                                     |          |                                                                                       |               |
|        | REVISED:      | 07/09/10                         | APPROVED BY: | SMS 06/01/10                                            |          |                                                                                       |               |

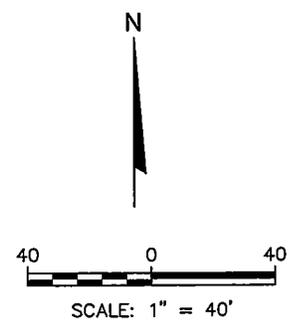


**LEGEND**

|      |                      |
|------|----------------------|
| ⊕    | FIRE HYDRANT         |
| ○    | STORM SEWER INLET    |
| ⊗    | UTILITY POLE         |
| —E—  | ELECTRIC             |
| —G—  | GAS                  |
| —ST— | STORM SEWER          |
| —T—  | TELEPHONE            |
| —W—  | WATER                |
|      | TRAIN TRACKS         |
| —○—  | FENCE                |
| ⊕    | GEOPROBE SOIL BORING |
| ⊗    | MONITORING WELL      |
| ○    | RECOVERY WELL        |

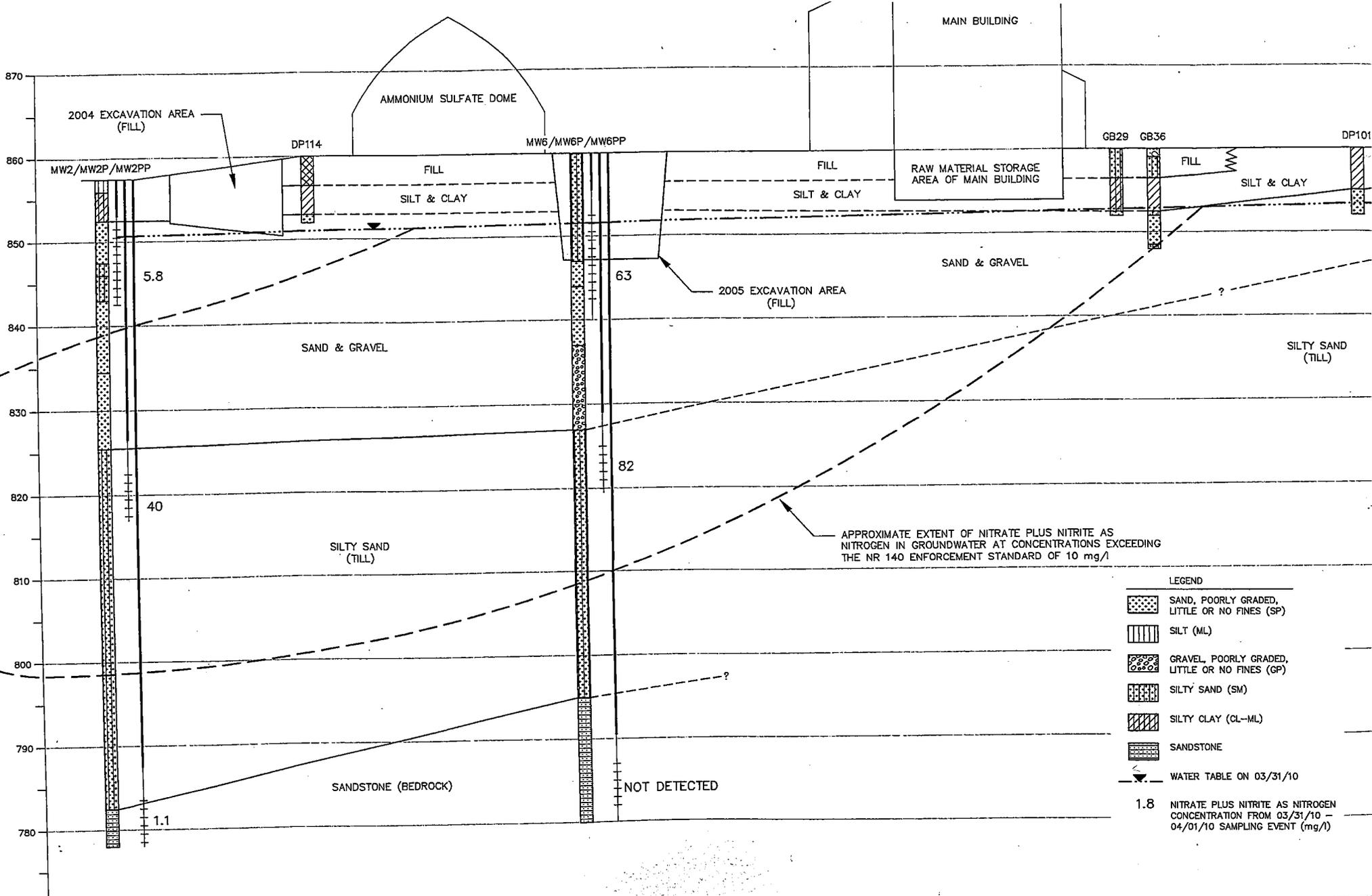
**NOTES:**

1. SITE PLAN BASED ON MADISON EAST NW QUADRANT ORTHOPHOTOGRAPH, USGS, DATED MAY 16, 2000 AND REVISED WITH GPS DATA. COORDINATE SYSTEM IS UTM ZONE 16 NORTH IN FEET.



|                   |                           |                                                                      |                                     |                                                                 |           |               |
|-------------------|---------------------------|----------------------------------------------------------------------|-------------------------------------|-----------------------------------------------------------------|-----------|---------------|
| PROJECT NO. 3234  | DRAWN BY: KP              | <br>2830 DAIRY DRIVE MADISON, WI 53718-8751<br>PHONE: (608) 224-2830 | <br>AGRUM, INC.<br>CALGARY, ALBERTA | SITE<br>ROYSTER-CLARK<br>902 DEMPSEY ROAD<br>MADISON, WISCONSIN | SITE PLAN | FIGURE<br>A-3 |
| DRAWN: 10/24/08   | CHECKED BY: SMS           |                                                                      |                                     |                                                                 |           |               |
| REVISED: 05/27/10 | APPROVED BY: SMS 06/02/10 |                                                                      |                                     |                                                                 |           |               |

I:\3234\p\progs-general\PECFA-WELL3.dwg, 6/7/2010 2:06:40 PM



MAIN BUILDING

AMMONIUM SULFATE DOME

RAW MATERIAL STORAGE AREA OF MAIN BUILDING

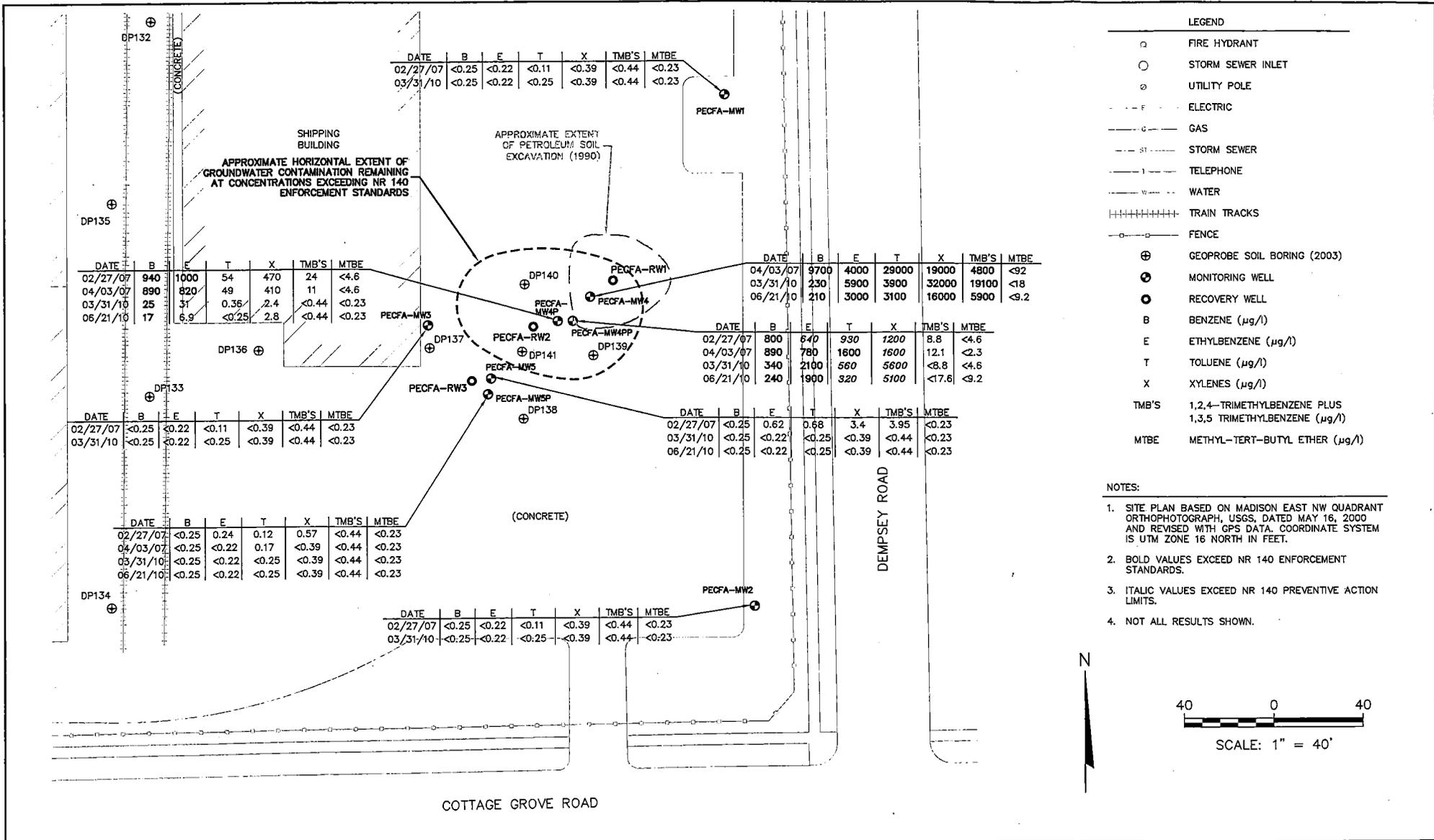
2005 EXCAVATION AREA (FILL)

APPROXIMATE EXTENT OF NITRATE PLUS NITRITE AS NITROGEN IN GROUNDWATER AT CONCENTRATIONS EXCEEDING THE NR 140 ENFORCEMENT STANDARD OF 10 mg/l

LEGEND

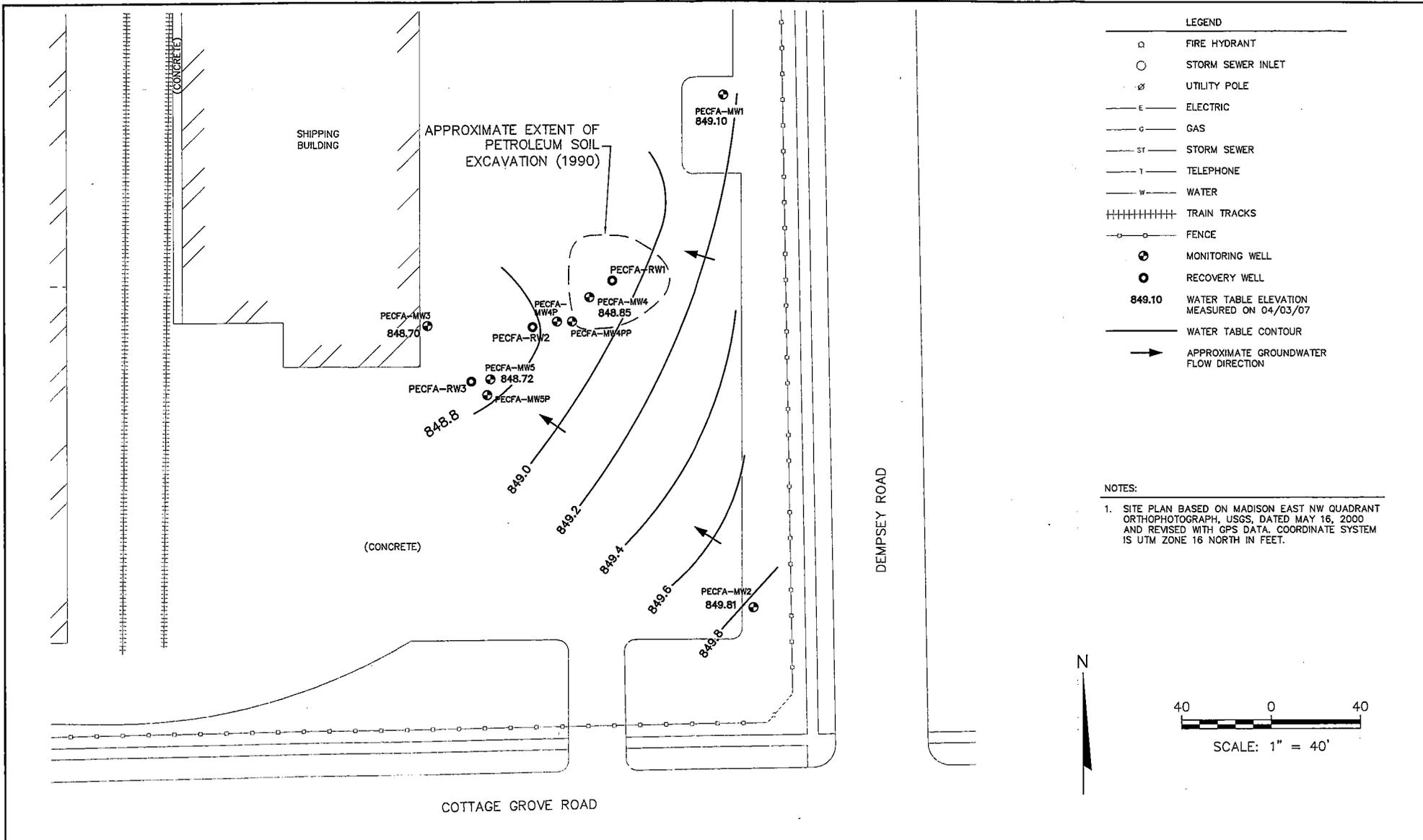
- SAND, POORLY GRADED, LITTLE OR NO FINES (SP)
- SILT (ML)
- GRAVEL, POORLY GRADED, LITTLE OR NO FINES (GP)
- SILTY SAND (SM)
- SILTY CLAY (CL-ML)
- SANDSTONE
- WATER TABLE ON 03/31/10

1.8 NITRATE PLUS NITRITE AS NITROGEN CONCENTRATION FROM 03/31/10 - 04/01/10 SAMPLING EVENT (mg/l)



|                   |                            |                                                                      |                                      |                                                                 |               |
|-------------------|----------------------------|----------------------------------------------------------------------|--------------------------------------|-----------------------------------------------------------------|---------------|
| PROJECT NO. 3234  | DRAWN BY: KP               | <br>2830 DAIRY DRIVE MADISON, WI 53718-6751<br>PHONE: (608) 224-2830 | <br>AGRIUM, INC.<br>CALGARY, ALBERTA | SITE<br>ROYSTER-CLARK<br>902 DEMPSEY ROAD<br>MADISON, WISCONSIN | FIGURE<br>E-2 |
| DRAWN: 10/24/06   | CHECKED BY: SMS            |                                                                      |                                      |                                                                 |               |
| REVISED: 07/12/10 | APPROVED BY: SMS, 07/12/10 |                                                                      |                                      |                                                                 |               |

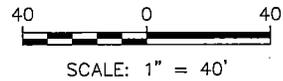
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- LEGEND**
- FIRE HYDRANT
  - STORM SEWER INLET
  - UTILITY POLE
  - E — ELECTRIC
  - G — GAS
  - ST — STORM SEWER
  - T — TELEPHONE
  - W — WATER
  - ||||| TRAIN TRACKS
  - ○ FENCE
  - ⊕ MONITORING WELL
  - ⊙ RECOVERY WELL
  - 849.10 WATER TABLE ELEVATION MEASURED ON 04/03/07
  - WATER TABLE CONTOUR
  - ➔ APPROXIMATE GROUNDWATER FLOW DIRECTION

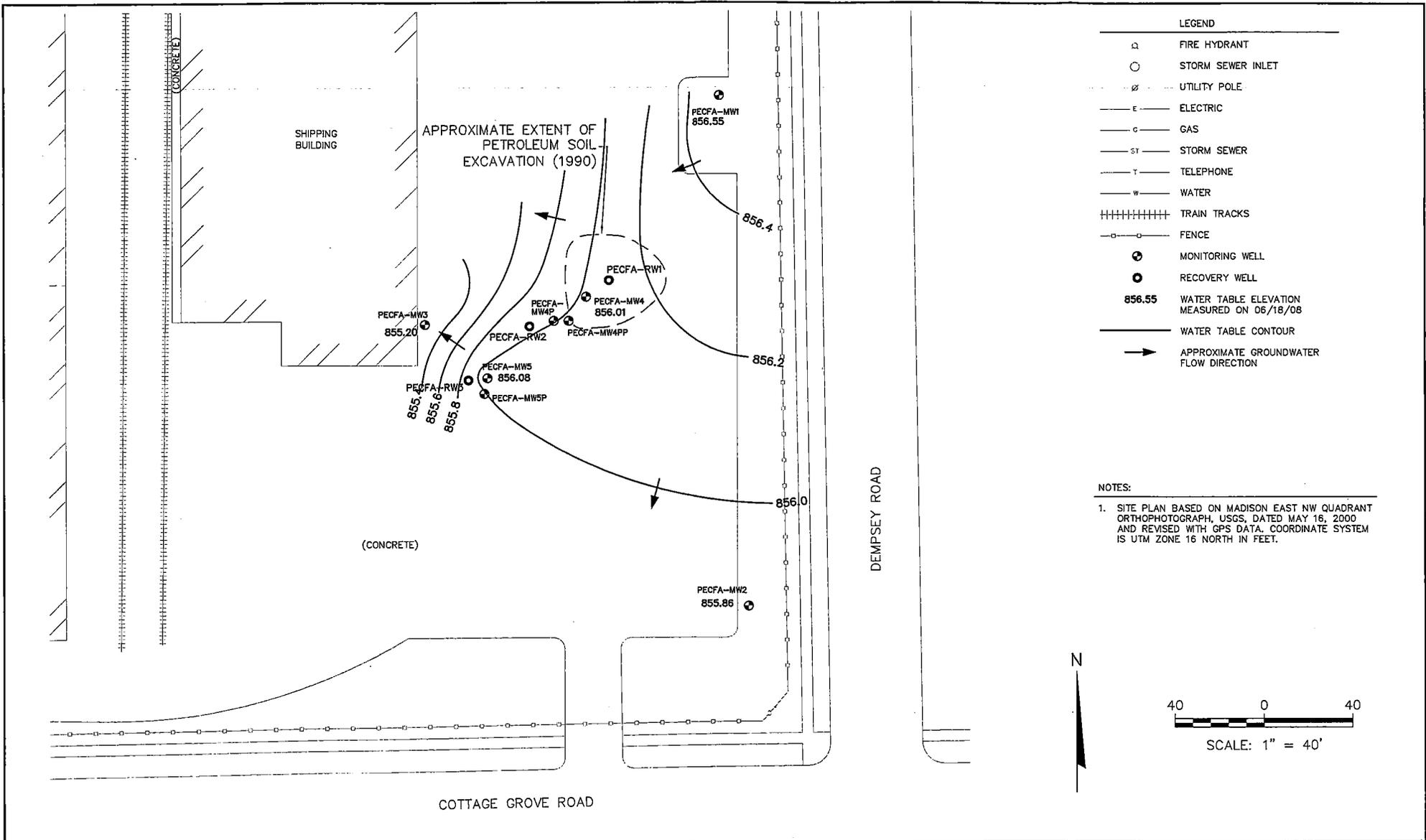
**NOTES:**

- SITE PLAN BASED ON MADISON EAST NW QUADRANT ORTHOPHOTOGRAPH, USGS, DATED MAY 16, 2000 AND REVISED WITH GPS DATA. COORDINATE SYSTEM IS UTM ZONE 16 NORTH IN FEET.



|                   |                           |                                                                                       |                                                  |                                                                 |                                  |               |
|-------------------|---------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------|-----------------------------------------------------------------|----------------------------------|---------------|
| PROJECT NO. 3234  | DRAWN BY: KP              | <b>BT SQUARED</b><br>2830 DAIRY DRIVE MADISON, WI 53718-6751<br>PHONE: (608) 224-2830 | <b>Agrium</b><br>AGRUM, INC.<br>CALGARY, ALBERTA | SITE<br>ROYSTER-CLARK<br>902 DEMPSEY ROAD<br>MADISON, WISCONSIN | WATER TABLE MAP<br>APRIL 3, 2007 | FIGURE<br>E-3 |
| DRAWN: 05/27/10   | CHECKED BY: SMS           |                                                                                       |                                                  |                                                                 |                                  |               |
| REVISED: 05/27/10 | APPROVED BY: SMS 06/02/10 |                                                                                       |                                                  |                                                                 |                                  |               |

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|                   |                         |                                                                                        |                                                   |                                                                 |                                  |        |
|-------------------|-------------------------|----------------------------------------------------------------------------------------|---------------------------------------------------|-----------------------------------------------------------------|----------------------------------|--------|
| PROJECT NO. 3234  | DRAWN BY: KP            | <b>BT SQUARED</b><br>2830 DAIRY DRIVE, MADISON, WI 53718-6751<br>PHONE: (608) 224-2830 | <b>Agrium</b><br>AGRIUM, INC.<br>CALGARY, ALBERTA | SITE<br>ROYSTER-CLARK<br>902 DEMPSEY ROAD<br>MADISON, WISCONSIN | WATER TABLE MAP<br>JUNE 18, 2008 | FIGURE |
| DRAWN: 05/27/10   | CHECKED BY: SMS         |                                                                                        |                                                   |                                                                 |                                  | E-5    |
| REVISED: 05/27/10 | APPROVED BY: SMS 6-2-10 |                                                                                        |                                                   |                                                                 |                                  |        |

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**Table E-1**  
**Groundwater Analytical Results Summary - PVOCs**  
**Royster Clark Madison / BT Squared Project #3234**  
(Results are in µg/l)

| Sample     | Date       | Lab Notes | Benzene | Ethylbenzene | Toluene | Xylenes | TMBs       | MTBE    |
|------------|------------|-----------|---------|--------------|---------|---------|------------|---------|
| PECFA MW1  | 9/19/1990  | --        | <1.0    | <1.0         | <1.0    | <1.0    | NA         | NA      |
|            | 12/15/1990 | --        | <1.0    | <1.0         | <1.0    | <1.0    | NA         | NA      |
|            | 4/1/1991   | --        | <1.0    | <1.0         | <1.0    | <1.0    | NA         | NA      |
|            | 11/8/1991  | --        | <1.0    | <1.0         | <1.0    | <1.0    | <2.0       | <1.0    |
|            | 2/10/1993  | --        | <2.0    | <2.0         | <2.0    | <4.0    | <b>3.1</b> | <2.0    |
|            | 5/11/1993  | --        | <0.6    | <1.0         | <1.0    | <2.5    | <2.0       | <1.0    |
|            | 8/24/1993  | --        | <0.6    | <1.0         | <1.0    | <2.5    | <2.0       | <1.0    |
|            | 11/29/1993 | --        | <0.6    | <1.0         | <1.0    | <2.5    | <2.0       | <1.0    |
|            | 4/21/1994  | --        | <0.6    | <1.0         | <1.0    | <2.5    | <2.0       | <1.0    |
|            | 2/2/1996   | --        | <0.26   | <0.32        | <0.69   | <1.2    | <1.14      | <0.22   |
|            | 7/15/1997  | --        | <0.36   | <0.26        | <0.25   | <0.76   | <0.50      | <0.24   |
|            | 10/23/1997 | --        | <0.11   | <0.12        | <0.11   | <.36    | <0.24      | <0.24   |
|            | 1/22/1998  | --        | <0.36   | <0.26        | <0.23   | <0.76   | <0.50      | <0.24   |
|            | 4/6/1998   | --        | <0.35   | <0.39        | <0.36   | <1.57   | <0.91      | <0.45   |
|            | 7/16/1998  | --        | <0.36   | <0.14 >      | <0.26 > | <0.22 > | <b>84</b>  | <0.55   |
|            | 4/27/1999  | --        | <0.32   | <0.34        | <0.35   | <1      | <0.99      | <0.66 > |
|            | 10/15/1998 | --        | <0.35   | <0.36        | <0.36   | <1.57   | <0.91      | <0.45   |
|            | 1/29/1999  | --        | <0.25   | <0.32        | <0.38   | <1.04   | <0.70      | <0.21   |
|            | 4/27/1999  | --        | <0.32   | <0.34        | <0.35   | <1      | <0.99      | <0.66 > |
|            | 7/15/1999  | --        | <0.32   | <0.34        | <0.35   | <0.98   | <0.99      | <0.31   |
| 10/11/1999 | --         | <0.25     | <0.32   | <0.38        | <1.04   | <0.70   | <0.21      |         |
| 10/18/2000 | --         | <0.39     | <0.4    | <0.37        | <1.43   | <1.03   | <0.47      |         |
| 9/21/2001  | --         | <0.21     | <0.22   | <0.41        | <0.69   | <0.96   | <0.46      |         |

**Table E-1**  
**Groundwater Analytical Results Summary - PVOCs**  
**Royster Clark Madison / BT Squared Project #3234**  
(Results are in µg/l)

| Sample               | Date       | Lab Notes | Benzene | Ethylbenzene | Toluene | Xylenes | TMBs  | MTBE  |
|----------------------|------------|-----------|---------|--------------|---------|---------|-------|-------|
| PECFA MW1<br>(cont.) | 2/27/2007  | —         | <0.25   | <0.22        | <0.11   | <0.39   | <0.44 | <0.23 |
|                      | 3/31/2010  | —         | <0.25   | <0.22        | <0.25   | <0.39   | <0.44 | <0.23 |
| PECFA MW2            | 9/19/1990  | —         | <1.0    | <1.0         | 4       | 3       | NA    | NA    |
|                      | 12/15/1990 | —         | <1.0    | <1.0         | <1.0    | <1.0    | NA    | NA    |
|                      | 4/1/1991   | —         | <1.0    | <1.0         | <1.0    | <1.0    | NA    | NA    |
|                      | 11/8/1991  | —         | <1.0    | <1.0         | <1.0    | <1.0    | <2.0  | <1.0  |
|                      | 2/10/1993  | —         | <2.0    | <2.0         | <2.0    | <4.0    | <4.0  | <2.0  |
|                      | 5/11/1993  | —         | <0.6    | <1.0         | 1.7     | <2.5    | <2.0  | <1.0  |
|                      | 8/24/1993  | —         | <0.6    | <1.0         | <1.0    | <2.5    | <2.0  | <1.0  |
|                      | 11/29/1993 | —         | <0.6    | <1.0         | <1.0    | <2.5    | <2.0  | <1.0  |
|                      | 4/21/1994  | —         | <0.6    | <1.0         | <1.0    | <2.5    | <2.0  | <1.0  |
|                      | 2/2/1996   | —         | <0.26   | <0.32        | <0.69   | <1.2    | <1.14 | <0.22 |
|                      | 7/15/1997  | —         | <0.36   | <0.26        | <0.25   | <0.76   | <0.50 | <0.24 |
|                      | 10/23/1997 | —         | <0.11   | <0.12        | <0.11   | <0.36   | <0.24 | <0.24 |
|                      | 1/22/1998  | —         | <0.36   | <0.26        | <0.25   | <0.76   | <0.50 | <0.24 |
|                      | 4/6/1998   | —         | <0.35   | <0.39        | <0.36   | <1.57   | <0.91 | <0.45 |
|                      | 7/16/1998  | —         | <0.36   | <0.35        | <0.43   | <2.46   | <0.75 | <0.55 |
|                      | 10/15/1998 | —         | <0.35   | <0.36        | <0.36   | <1.57   | <0.91 | <0.45 |
| 1/29/1999            | —          | <0.25     | <0.32   | <0.38        | <1.04   | <0.70   | <0.21 |       |
| 4/27/1999            | —          | <0.32     | <0.34   | <0.35        | <1      | <0.99   | <0.31 |       |

**Table E-1**  
**Groundwater Analytical Results Summary - PVOCs**  
**Royster Clark Madison / BT Squared Project #3234**  
(Results are in µg/l)

| Sample               | Date               | Lab Notes | Benzene           | Ethylbenzene | Toluene    | Xylenes     | TMBs        | MTBE  |
|----------------------|--------------------|-----------|-------------------|--------------|------------|-------------|-------------|-------|
| PECFA MW2<br>(cont.) | 7/15/1999          | --        | <0.32             | <0.34        | <0.35      | <0.98       | <0.99       | <0.31 |
|                      | 10/11/1999         | --        | <0.25             | <0.32        | <0.38      | <1.04       | <0.70       | <0.21 |
|                      | 10/18/2000         | --        | <0.39             | <0.4         | <0.37      | <1.43       | <1.03       | <0.47 |
|                      | 9/21/2001          | --        | <0.21             | <0.22        | <0.41      | <0.39       | <0.60       | <0.46 |
|                      | 2/27/2007          | --        | <0.25             | <0.22        | <0.11      | <0.39       | <0.44       | <0.23 |
|                      | 3/31/2010          | --        | <0.25             | <0.22        | <0.25      | <0.39       | <0.44       | <0.23 |
| PECFA MW3            | 9/19/1990          | --        | <1.0              | <1.0         | <1.0       | <1.0        | NA          | NA    |
|                      | 12/15/1990         | --        | <1.0              | <1.0         | <1.0       | <b>4.4</b>  | NA          | NA    |
|                      | 4/1/1991           | --        | <1.0              | <1.0         | <1.0       | <1.0        | NA          | NA    |
|                      | 11/8/1991          | --        | <1.0              | <1.0         | <1.0       | <1.0        | <2.0        | <1.0  |
|                      | 2/10/1993          | --        | <2.0              | <2.0         | <2.0       | <4.0        | <4.0        | <2.0  |
|                      | 5/11/1993          | --        | <b><u>2.4</u></b> | <1.0         | <b>2.6</b> | <2.5        | <2.0        | <1.0  |
|                      | 8/24/1993          | --        | <0.6              | <1.0         | <1.0       | <2.5        | <2.0        | <1.0  |
|                      | 11/29/1993         | --        | <0.6              | <b>3.8</b>   | <b>5.1</b> | <b>19</b>   | <b>12.3</b> | <1.0  |
|                      | 4/21/1994          | --        | <0.6              | <1.0         | <1.0       | <2.5        | <2.0        | <1.0  |
|                      | 4/21/1994<br>(Dup) | --        | <b><u>2.5</u></b> | <b>1.3</b>   | <1.0       | <b>3</b>    | <b>1.3</b>  | <1.0  |
|                      | 2/2/1996           | --        | <0.26             | <0.32        | <0.69      | <1.2        | <1.14       | <0.22 |
|                      | 7/15/1997          | --        | <0.36             | <0.26        | <0.25      | <0.76       | <0.50       | <0.24 |
|                      | 10/23/1997         | --        | <0.11             | <b>2.2</b>   | <b>2.0</b> | <b>10.4</b> | <b>41.7</b> | <0.24 |
|                      | 1/22/1998          | --        | NS                | NS           | NS         | NS          | NS          | NS    |

**Table E-1**  
**Groundwater Analytical Results Summary - PVOCs**  
**Royster Clark Madison / BT Squared Project #3234**  
(Results are in µg/l)

| Sample               | Date               | Lab Notes | Benzene             | Ethylbenzene        | Toluene             | Xylenes              | TMBs                 | MTBE              |
|----------------------|--------------------|-----------|---------------------|---------------------|---------------------|----------------------|----------------------|-------------------|
| PECFA MW3<br>(cont.) | 4/6/1998           | --        | <0.35               | <0.62               | <0.68               | <0.62                | <1.07                | <0.45             |
|                      | 7/16/1998          | --        | <0.36               | <0.35               | <0.43               | <2.46                | <0.75                | <0.55             |
|                      | 10/15/1998         | --        | <0.35               | <0.36               | <0.36               | <1.57                | <0.91                | <0.45             |
|                      | 1/29/1999          | --        | <0.25               | <0.32               | <0.38               | <1.04                | <0.70                | <0.21             |
|                      | 4/27/1999          | --        | <0.32               | <0.34               | <0.35               | <1                   | <0.99                | <0.31             |
|                      | 7/15/1999          | --        | <0.32               | <0.34               | <0.35               | <0.98                | <0.99                | <0.31             |
|                      | 10/11/1999         | --        | <0.25               | <0.32               | <0.38               | <1.04                | <0.70                | <0.21             |
|                      | 10/18/2000         | --        | <0.39               | <0.4                | <0.37               | <1.43                | <1.03                | <0.47             |
|                      | 9/21/2001          | --        | <0.21               | <0.22               | <0.41               | <0.69                | <0.60                | <0.46             |
|                      | 2/27/2007          | --        | <0.25               | <0.22               | <0.11               | <0.39                | <0.44                | <0.23             |
|                      | 3/31/2010          | --        | <0.25               | <0.22               | <0.25               | <0.39                | <0.44                | <0.23             |
| PECFA MW4            | 4/1/1991           | --        | <b><u>2,800</u></b> | <b><u>1,300</u></b> | <b><u>7,800</u></b> | <b><u>2,900</u></b>  | NA                   | NA                |
|                      | 11/8/1991          | --        | <b><u>5,270</u></b> | <b><u>2,390</u></b> | <b><u>7,560</u></b> | <b><u>8,790</u></b>  | <b><u>2,657</u></b>  | NA                |
|                      | 8/24/1993          | --        | <b><u>2,500</u></b> | <b><u>5,600</u></b> | <b><u>4,500</u></b> | <b><u>18,000</u></b> | <b><u>13,000</u></b> | <b><u>111</u></b> |
|                      | 8/24/1993<br>(Dup) | --        | <b><u>1,500</u></b> | <b><u>2,800</u></b> | <b><u>2,800</u></b> | <b><u>8,200</u></b>  | <b><u>3,820</u></b>  | <10               |
|                      | 11/29/1993         | --        | <b><u>1,900</u></b> | <b><u>2,600</u></b> | <b><u>5,400</u></b> | <b><u>8,700</u></b>  | <b><u>4,260</u></b>  | <5.0              |
|                      | 4/21/1994          | --        | <b><u>1,100</u></b> | <b><u>2,100</u></b> | <b><u>4,200</u></b> | <b><u>8,600</u></b>  | <b><u>4,700</u></b>  | <10               |
|                      | 7/12/1994          | --        | <b><u>1,200</u></b> | <b><u>1,900</u></b> | <b><u>2,300</u></b> | <b><u>6,100</u></b>  | <b><u>2,860</u></b>  | <10               |
|                      | 7/12/1994<br>(Dup) | --        | <b><u>1,500</u></b> | <b><u>2,800</u></b> | <b><u>2,900</u></b> | <b><u>8,000</u></b>  | <b><u>3,450</u></b>  | <50               |

**Table E-1**  
**Groundwater Analytical Results Summary - PVOCs**  
**Royster Clark Madison / BT Squared Project #3234**  
 (Results are in µg/l)

| Sample               | Date                | Lab Notes  | Benzene      | Ethylbenzene | Toluene       | Xylenes       | TMBs          | MTBE |
|----------------------|---------------------|------------|--------------|--------------|---------------|---------------|---------------|------|
| PECFA MW4<br>(cont.) | 10/31/1994          | –          | <u>1,900</u> | <u>3,500</u> | <u>7,900</u>  | <u>11,000</u> | NA            | <50  |
|                      | 10/31/1994<br>(Dup) | –          | <u>1,800</u> | <u>3,500</u> | <u>8,100</u>  | <u>12,000</u> | NA            | NA   |
|                      | 1/11/1995           | –          | <u>2,000</u> | <u>2,600</u> | <u>6,100</u>  | <u>9,200</u>  | NA            | NA   |
|                      | 1/11/1995<br>(Dup)  | –          | <u>2,000</u> | <u>3,100</u> | <u>7,200</u>  | <u>11,000</u> | NA            | NA   |
|                      | 4/19/1995           | –          | <u>2,000</u> | <u>2,700</u> | <u>7,200</u>  | <u>9,500</u>  | <u>3,620</u>  | <96  |
|                      | 2/2/1996            | –          | <u>3,800</u> | <u>2,700</u> | <u>7,300</u>  | <u>10,000</u> | <u>3,450</u>  | <22  |
|                      | 7/15/1997           | –          | <u>3,000</u> | <u>2,600</u> | <u>7,000</u>  | <u>9,000</u>  | <u>3,930</u>  | <49  |
|                      | 10/23/1997          | –          | <u>5,000</u> | <u>3,300</u> | <u>10,000</u> | <u>13,300</u> | <u>5,600</u>  | <120 |
|                      | 1/22/1998           | –          | <u>4,100</u> | <u>2,800</u> | <u>9,100</u>  | <u>10,900</u> | <u>3,900</u>  | <120 |
|                      | 4/6/1998            | –          | <u>6,600</u> | <u>3,100</u> | <u>14,000</u> | <u>11,600</u> | <u>2,400</u>  | <450 |
|                      | 7/16/1998           | –          | <u>4,100</u> | <u>3,000</u> | <u>18,000</u> | <u>13,800</u> | <u>3,930</u>  | <550 |
|                      | 10/15/1998          | –          | <u>4,700</u> | <u>4,300</u> | <u>21,000</u> | <u>19,600</u> | <u>10,000</u> | <450 |
|                      | 7/15/1999           | –          | <u>7,000</u> | <u>2,100</u> | <u>20,000</u> | <u>15,800</u> | <u>2,560</u>  | <62  |
|                      | 10/18/2000          | –          | <u>4,300</u> | <u>2,000</u> | <u>17,000</u> | <u>13,200</u> | <u>1,980</u>  | <47  |
|                      | 9/21/2001           | –          | <u>2,400</u> | <u>2,200</u> | <u>14,000</u> | <u>13,000</u> | <u>2,300</u>  | <46  |
|                      | 4/3/2007            | –          | <u>9,700</u> | <u>4,000</u> | <u>29,000</u> | <u>19,000</u> | <u>4,800</u>  | <92  |
|                      | 3/31/2010           | –          | <u>230</u>   | <u>5,900</u> | <u>3,900</u>  | <u>32,000</u> | <u>19,100</u> | <18  |
| 6/21/2010            | –                   | <u>210</u> | <u>3,000</u> | <u>3,100</u> | <u>16,000</u> | <u>5,900</u>  | <9.2          |      |

**Table E-1**  
**Groundwater Analytical Results Summary - PVOCs**  
**Royster Clark Madison / BT Squared Project #3234**  
 (Results are in µg/l)

| Sample     | Date               | Lab Notes  | Benzene       | Ethylbenzene | Toluene       | Xylenes      | TMBs         | MTBE       |
|------------|--------------------|------------|---------------|--------------|---------------|--------------|--------------|------------|
| PECFA MW4P | 1/5/1993           | –          | <u>15,100</u> | <u>2,170</u> | <u>20,600</u> | <u>8,430</u> | <700         | <90        |
|            | 5/11/1993          | –          | <u>12,000</u> | <u>2,200</u> | <u>15,000</u> | <u>9,500</u> | 15           | <10        |
|            | 8/24/1993          | –          | <u>9,400</u>  | <u>1,300</u> | <u>4,700</u>  | <u>3,100</u> | 35.3         | <5.0       |
|            | 11/29/1993         | –          | <u>20,000</u> | <u>1,300</u> | <u>1,200</u>  | <u>1,500</u> | <200         | <u>110</u> |
|            | 4/21/1994          | –          | <u>17,000</u> | <u>1,500</u> | <u>3,400</u>  | <u>2,200</u> | 51           | <u>24</u>  |
|            | 7/12/1994          | –          | <u>22,000</u> | <u>1,500</u> | <u>1,800</u>  | <u>1,700</u> | <100         | <50        |
|            | 10/31/1994         | –          | <u>23,000</u> | <u>1,800</u> | 130           | <u>1,700</u> | NA           | NA         |
|            | 4/19/1995          | –          | <u>21,000</u> | <u>2,900</u> | <u>14,000</u> | <u>5,300</u> | <60          | <96        |
|            | 4/19/1995<br>(Dup) | –          | <u>22,000</u> | <u>3,000</u> | <u>14,000</u> | <u>5,400</u> | <60          | <96        |
|            | 2/2/1996           | –          | <u>4,900</u>  | <u>710</u>   | <u>1,600</u>  | <u>1,300</u> | 38.2         | 11         |
|            | 7/15/1997          | –          | <u>6,000</u>  | <u>2,300</u> | <u>5,400</u>  | <u>6,100</u> | <100         | <48        |
|            | 10/23/1997         | –          | <u>5,300</u>  | <u>2,500</u> | <u>5,700</u>  | <u>6,800</u> | <123         | <u>670</u> |
|            | 1/22/1998          | –          | <u>1,700</u>  | <u>770</u>   | <u>1,500</u>  | <u>1,750</u> | <u>160</u>   | <24        |
|            | 4/6/1998           | –          | <u>1,800</u>  | <u>830</u>   | <u>1,600</u>  | <u>1,790</u> | <91          | <45        |
|            | 7/16/1998          | –          | <u>700</u>    | <u>290</u>   | <u>310</u>    | 213          | 30           | <27        |
|            | 10/15/1998         | –          | <u>730</u>    | <u>470</u>   | <u>250</u>    | 270          | <75 >        | <22        |
|            | 1/29/1999          | –          | <u>1,700</u>  | <u>1,400</u> | <u>520</u>    | 853          | <u>102</u> J | <4.2       |
|            | 4/27/1999          | –          | <u>1,100</u>  | <u>770</u>   | <u>270</u>    | 650          | 34           | <3.1       |
| 7/15/1999  | –                  | <u>820</u> | <u>220</u>    | 78           | 152           | <21.8 >      | <6.2         |            |

**Table E-1**  
**Groundwater Analytical Results Summary - PVOCs**  
**Royster Clark Madison / BT Squared Project #3234**  
(Results are in µg/l)

| Sample                | Date       | Lab Notes | Benzene      | Ethylbenzene | Toluene      | Xylenes      | TMBs       | MTBE  |
|-----------------------|------------|-----------|--------------|--------------|--------------|--------------|------------|-------|
| PECFA MW4P<br>(cont.) | 10/11/1999 | –         | <u>610</u>   | <u>410</u>   | <76          | <160 >       | <140       | <42   |
|                       | 10/18/2000 | –         | <u>1,500</u> | <u>1,500</u> | <u>220</u>   | 880          | 93         | <9.4  |
|                       | 9/21/2001  | –         | <u>1,880</u> | <u>1,420</u> | 180          | <u>1,100</u> | <u>120</u> | <9.2  |
|                       | 2/27/2007  | –         | <u>940</u>   | <u>1,000</u> | 54           | 470          | 24 J       | <4.6  |
|                       | 4/3/2007   | –         | <u>890</u>   | <u>820</u>   | 49           | 410          | 11 J       | <4.6  |
|                       | 3/31/2010  | –         | <u>25</u>    | 31           | 0.36 J       | 2.4 J        | <0.44      | <0.23 |
|                       | 6/21/2010  | –         | <u>17</u>    | 6.9          | <0.25        | 2.8 J        | <0.44      | <0.23 |
| PECFA MW4PP           | 2/27/2007  | (1)       | <u>800</u>   | <u>640</u>   | <u>930</u>   | <u>1,200</u> | 8.8 J      | <4.6  |
|                       | 4/3/2007   | –         | <u>890</u>   | <u>780</u>   | <u>1,600</u> | <u>1,600</u> | 12.1 J     | <2.3  |
|                       | 3/31/2010  | –         | <u>340</u>   | <u>2,100</u> | <u>560</u>   | <u>5,600</u> | <8.8       | <4.6  |
|                       | 6/21/2010  | –         | <u>240</u>   | <u>1,900</u> | <u>320</u>   | <u>5,100</u> | <17.6      | <9.2  |
| PECFA MW5             | 11/8/1991  | –         | <1.0         | <1.0         | <1.0         | <1.0         | <2.0       | <1.0  |
|                       | 1/28/1992  | –         | <1.0         | <1.0         | <1.0         | <1.0         | <2.0       | <1.0  |
|                       | 2/10/1993  | –         | <2.0         | <2.0         | <2.0         | <2.0         | <4.0       | <2.0  |
|                       | 5/11/1993  | –         | <u>8.6</u>   | <1.0         | 6.9          | <1.0         | <2.0       | <1.0  |
|                       | 8/24/1993  | –         | <0.6         | <1.0         | <1.0         | <1.0         | <2.0       | <1.0  |
|                       | 11/29/1993 | –         | <0.6         | <1.0         | <1.0         | <1.0         | <2.0       | <1.0  |
|                       | 4/21/1994  | –         | <0.6         | <1.0         | <1.0         | <1.0         | <2.0       | <1.0  |
|                       | 2/2/1996   | –         | <u>1.3</u>   | 22           | 11           | 110          | <u>215</u> | <22   |
|                       | 7/15/1997  | –         | <0.36        | <0.26        | <0.25        | <0.76        | <0.50      | <24   |
|                       | 10/23/1997 | –         | <0.11        | 2.3          | 1.9          | 10.3         | 12         | <24   |

**Table E-1**  
**Groundwater Analytical Results Summary - PVOCs**  
**Royster Clark Madison / BT Squared Project #3234**  
(Results are in µg/l)

| Sample               | Date       | Lab Notes | Benzene | Ethylbenzene | Toluene | Xylenes | TMBs    | MTBE    |
|----------------------|------------|-----------|---------|--------------|---------|---------|---------|---------|
| PECFA MW5<br>(cont.) | 1/22/1998  | —         | <0.36   | <0.26        | <0.25   | <0.76   | <0.50   | <24     |
|                      | 4/6/1998   | —         | <0.35   | <0.39        | <0.36   | <1.57   | <0.91   | <45     |
|                      | 7/16/1998  | —         | <0.36   | <0.35        | <0.43   | <2.46   | <0.75   | <55     |
|                      | 10/15/1998 | —         | <0.35   | <0.36        | <0.36   | <1.57   | <0.91   | <45     |
|                      | 1/29/1999  | —         | <0.25   | <0.32        | <0.38   | <1.04   | <0.70   | <21     |
|                      | 4/27/1999  | —         | <0.32   | <0.34        | <0.35   | <1      | <0.99   | <31     |
|                      | 7/15/1999  | —         | <0.32   | <0.34        | <0.89 > | <0.98   | <0.99   | <31     |
|                      | 10/11/1999 | —         | <0.25   | <0.32        | <0.38   | <1.04   | <0.70   | <21     |
|                      | 10/18/2000 | —         | <0.39   | <0.4         | <0.37   | <1.43   | <1.03   | <47     |
|                      | 9/21/2001  | —         | <0.21   | <0.22        | <0.41   | <0.69   | <0.60   | <46     |
|                      | 2/27/2007  | (1)       | <0.25   | 0.62 J       | 0.68    | 3.4     | 3.95    | <0.23   |
|                      | 3/31/2010  | (1)       | <0.25 P | <0.22 P      | <0.25 P | <0.39 P | <0.44 P | <0.23 P |
|                      | 6/21/2010  | —         | <0.25   | <0.22        | <0.25   | <0.39   | <0.44   | <0.23   |
| PECFA MW5P           | 2/27/2007  | —         | <0.25   | 0.24 J       | 0.12 J  | 0.57 J  | <0.44   | <0.23   |
|                      | 4/3/2007   | —         | <0.25   | <0.22        | 0.17 J  | <0.39   | <0.44   | <0.23   |
|                      | 3/31/2010  | —         | <0.25   | <0.22        | <0.25   | <0.39   | <0.44   | <0.23   |
|                      | 6/21/2010  | —         | <0.25   | <0.22        | <0.25   | <0.39   | <0.44   | <0.23   |
| MW2PP                | 8/12/2009  | —         | <0.25   | <0.22        | <0.25   | <0.39   | <0.44   | <0.23   |
| MW6                  | 4/3/2007   | —         | <0.25   | <0.22        | <0.11   | <0.39   | <0.44   | <0.23   |
| MW6PP                | 8/13/2009  | —         | <0.25   | <0.22        | <0.25   | <0.39   | <0.44   | <0.23   |

**Table E-1**  
**Groundwater Analytical Results Summary - PVOCs**  
**Royster Clark Madison / BT Squared Project #3234**  
 (Results are in µg/l)

| Sample      | Date       | Lab Notes | Benzene | Ethylbenzene | Toluene | Xylenes | TMBs  | MTBE |
|-------------|------------|-----------|---------|--------------|---------|---------|-------|------|
| Field Blank | 4/21/1994  | --        | <6.0    | <1.0         | <1.0    | <2.5    | <2.0  | <1.0 |
|             | 6/9/1994   | --        | <6.0    | <1.0         | <1.0    | <2.5    | NA    | NA   |
|             | 7/12/1994  | --        | <6.0    | <1.0         | <1.0    | <2.5    | <2.0  | <1.0 |
|             | 8/24/1994  | --        | <6.0    | <1.0         | <1.0    | <2.5    | NA    | NA   |
|             | 10/31/1994 | --        | <6.0    | <1.0         | <1.0    | <2.5    | NA    | NA   |
|             | 1/11/1995  | --        | <6.0    | <1.0         | <1.0    | <2.5    | NA    | NA   |
|             | 4/19/1995  | --        | <6.0    | <0.57        | <1.0    | <2.5    | <2.84 | <1.2 |
| Trip Blank  | 11/29/1993 | --        | <6.0    | <1.0         | <1.0    | <2.5    | <2.0  | <1.0 |
|             | 4/21/1994  | --        | <6.0    | <1.0         | <1.0    | <2.5    | <2.0  | <1.0 |
|             | 6/9/1994   | --        | <6.0    | <1.0         | <1.0    | <2.5    | NA    | NA   |
|             | 7/12/1994  | --        | <6.0    | <1.0         | <1.0    | <2.5    | <2.0  | <1.0 |
|             | 8/24/1994  | --        | <6.0    | <1.0         | <1.0    | <2.5    | NA    | NA   |
|             | 10/31/1994 | --        | <6.0    | <1.0         | <1.0    | <2.5    | NA    | NA   |

**Table E-1**  
**Groundwater Analytical Results Summary - PVOCs**  
**Royster Clark Madison / BT Squared Project #3234**  
 (Results are in µg/l)

| Sample                                | Date      | Lab Notes | Benzene | Ethylbenzene | Toluene       | Xylenes | TMBs  | MTBE  |
|---------------------------------------|-----------|-----------|---------|--------------|---------------|---------|-------|-------|
| Trip Blank (cont.)                    | 1/11/1995 | --        | <6.0    | <0.57        | <1.0          | <2.5    | NA    | NA    |
|                                       | 2/27/2007 | --        | <0.25   | <0.22        | <b>0.11 J</b> | <0.39   | <0.44 | <0.23 |
|                                       | 4/3/2007  | --        | <0.25   | <0.22        | <0.11         | <0.39   | <0.44 | <0.23 |
|                                       | 8/12/2009 | --        | <0.25   | <0.22        | <0.25         | <0.39   | <0.44 | <0.23 |
|                                       | 3/31/2010 | --        | <0.25   | <0.22        | <0.25         | <0.39   | <0.44 | <0.23 |
|                                       | 6/21/2010 | --        | <0.25   | <0.22        | <0.25         | <0.39   | <0.44 | <0.23 |
| NR 140 Enforcement Standards (ES)     |           |           | 5       | 700          | 1,000         | 10,000  | 480   | 60    |
| NR 140 Preventive Action Limits (PAL) |           |           | 0.5     | 140          | 200           | 1,000   | 96    | 12    |

**ABBREVIATIONS:**

µg/l = micrograms per liter or parts per billion (ppb)  
 TMBs = 1,2,4- and 1,3,5-trimethylbenzenes

MTBE = Methyl-tert-butyl ether  
 PVOCs = Petroleum Volatile Organic Compounds

-- = Not Applicable  
 NA = Not Analyzed

**NOTES:**

NR 140 ES - Wisconsin Administrative Code (WAC), Chapter NR 140.10 Table 1 - Public Health Groundwater Quality Standards.

NR 140 PAL - WAC, Chapter NR 140.10 Table 1 - Public Health Groundwater Quality Standards.

**Bold+underlined** values meet or exceed NR 140 enforcement standards.

*Italic+underlined* values meet or exceed NR 140 preventive action limits.

All results prior to 2007 were collected and reported by other consultants and are not verified by BT Squared.

**LABORATORY NOTES/QUALIFIERS:**

J = Results reported between the Method Detection Limit (MDL) and Limit of Quantitation (LOQ) are less certain than results at or above the LOQ.

(1) The sample, as received, was not preserved in accordance to the referenced analytical method.

Created by: TLR Date: 3/21/2007  
 Last revision by: TLR Date: 7/8/2010  
 Checked by: SMS Date: 7/8/2010

I:\3234\Reports\PECFA Closure\Tables\[GW\_VOCs\_PECFA.xls]GW VOCs

**Table E-8  
Water Level Summary  
Royster-Clark Madison / BT Squared Project #3234**

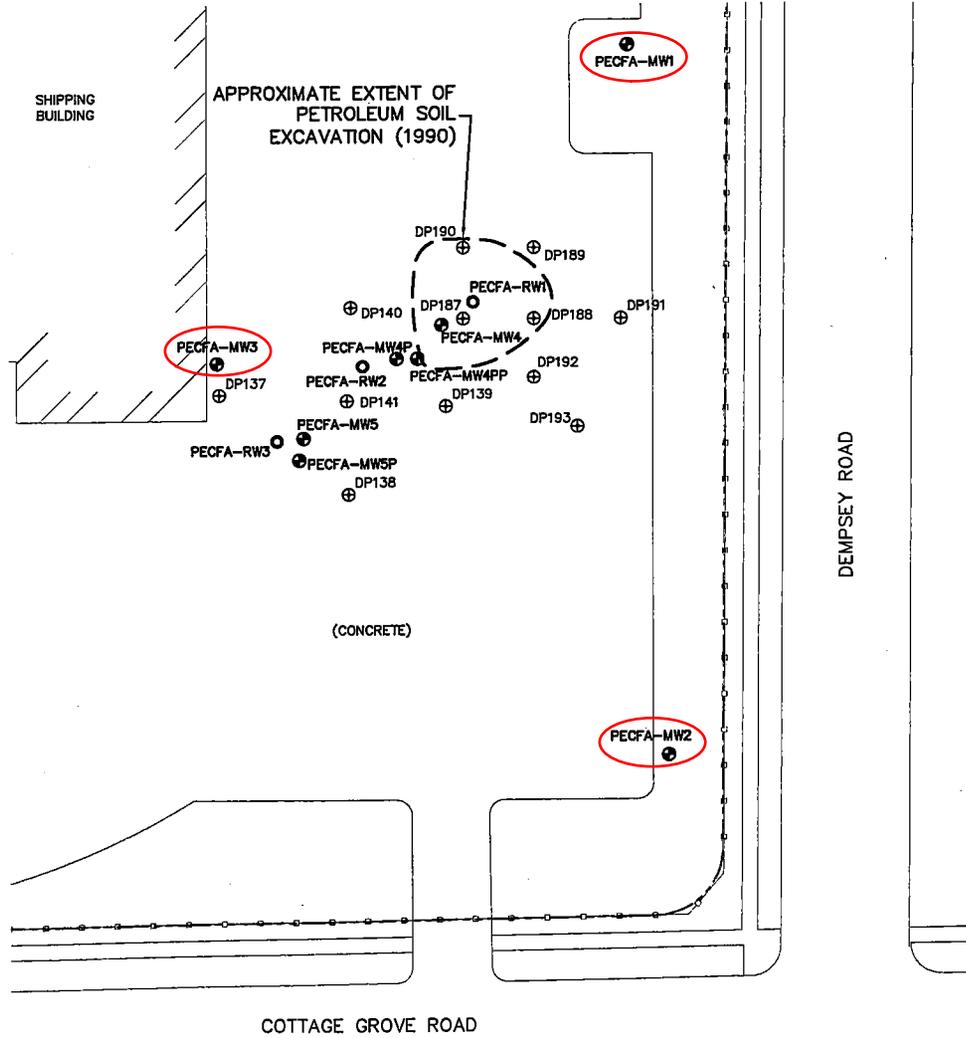
| Raw Data                | Depth to Water in feet below top of well casing |       |       |       |       |       |       |       |       |       |       |       |      |           |           |           |           |            |             |           |            |
|-------------------------|-------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|-----------|-----------|-----------|------------|-------------|-----------|------------|
|                         | MW1                                             | MW1P  | MW2   | MW2P  | MW2PP | MW3   | MW4   | MW5   | MW6   | MW6P  | MW6PP | MW7   | MW8  | PECFA MW1 | PECFA MW2 | PECFA MW3 | PECFA MW4 | PECFA MW4P | PECFA MW4PP | PECFA MW5 | PECFA MW5P |
| <b>Measurement Date</b> |                                                 |       |       |       |       |       |       |       |       |       |       |       |      |           |           |           |           |            |             |           |            |
| September 28, 2004      | 11.04                                           | NI    | 11.12 | NI    | NI    | 10.03 | 11.94 | 10.87 | NM    | NI    | NI    | NI    | NI   | NM        | NM        | NM        | NM        | NM         | NM          | NM        | NM         |
| October 11, 2004        | 11.29                                           | NI    | 11.42 | NI    | NI    | 10.40 | 12.29 | 11.39 | NM    | NI    | NI    | NI    | NI   | NM        | NM        | NM        | NM        | NM         | NM          | NM        | NM         |
| January 10, 2005        | 12.20                                           | NI    | 12.43 | NI    | NI    | 11.63 | NM    | 12.90 | NM    | NI    | NI    | NI    | NI   | NM        | NM        | NM        | NM        | NM         | NM          | 12.40     | NM         |
| April 13, 2005          | 11.06                                           | NI    | 11.79 | NI    | NI    | 10.99 | 12.93 | 12.58 | NM    | NI    | NI    | NI    | NI   | NM        | NM        | NM        | NM        | NM         | NM          | 12.16     | NM         |
| July 22, 2005           | 13.65                                           | NI    | 13.73 | NI    | NI    | 12.66 | NM    | 14.98 | NM    | NI    | NI    | NI    | NI   | NM        | NM        | NM        | NM        | NM         | NM          | 14.18     | NM         |
| March 24, 2006          | 14.08                                           | NI    | 14.06 | NI    | NI    | 13.25 | NM    | 13.77 | 13.42 | NI    | NI    | NI    | NI   | NM        | NM        | NM        | NM        | NM         | NM          | 13.90     | NM         |
| June 14, 2006           | 12.01                                           | NI    | 12.29 | NI    | NI    | 11.07 | NM    | 11.45 | 11.58 | NI    | NI    | NI    | NI   | NM        | NM        | NM        | NM        | NM         | NM          | 12.32     | NM         |
| September 15, 2006      | 11.94                                           | NI    | 12.19 | NI    | NI    | 11.64 | NM    | 12.53 | 11.40 | NI    | NI    | NI    | NI   | NM        | NM        | NM        | NM        | NM         | NM          | 12.49     | NM         |
| January 9, 2007         | 12.93                                           | NI    | 13.19 | NI    | NI    | 12.00 | NM    | 13.67 | 12.68 | NI    | NI    | NI    | NI   | NM        | NM        | NM        | NM        | NM         | NM          | 13.54     | NM         |
| February 27, 2007       | 14.08                                           | NI    | 14.42 | NI    | NI    | 13.31 | NM    | 15.70 | 13.92 | NI    | NI    | NI    | NI   | 15.20     | 15.82     | 15.40     | FP        | 14.24      | 14.61       | 14.92     | 13.93      |
| April 3, 2007           | 9.62                                            | NI    | 11.14 | NI    | NI    | 10.90 | NM    | 12.62 | 11.87 | NI    | NI    | NI    | NI   | 13.20     | 13.28     | 13.41     | FP        | 12.97      | 12.77       | 13.08     | 13.80      |
| April 30, 2007          | 10.67                                           | NI    | 10.91 | NI    | NI    | 9.95  | 12.98 | 11.14 | 10.44 | NI    | NI    | NI    | NI   | 11.92     | 12.48     | 12.03     | FP        | 11.58      | 11.42       | 11.69     | 11.37      |
| November 15, 2007       | 11.80                                           | 12.21 | 12.17 | 12.40 | NI    | NM    | NM    | NM    | 11.37 | 11.51 | NI    | NI    | NI   | NM        | NM        | NM        | NM        | NM         | NM          | NM        | NM         |
| December 6, 2007        | 12.39                                           | 12.75 | 12.83 | 12.93 | NI    | 11.72 | NM    | 13.88 | 12.08 | 12.09 | NI    | 12.18 | 9.47 | 13.34     | 14.06     | 13.44     | 12.80     | NM         | NM          | NM        | NM         |
| June 18, 2008           | 4.22                                            | 5.01  | 4.94  | 5.24  | NI    | 4.52  | NM    | 3.74  | 3.73  | 6.91  | NI    | 4.21  | 2.24 | 5.75      | 7.23      | 6.91      | 5.52      | 5.82       | 5.65        | 5.72      | 7.21       |
| December 10, 2008       | 12.06                                           | 12.42 | 12.30 | 12.26 | NI    | 11.81 | NM    | 12.90 | 11.52 | 17.88 | NI    | 12.58 | 9.47 | 11.96     | 12.35     | 11.96     | 11.17     | 9.60       | 11.48       | 11.58     | 10.00      |
| August 12, 2009         | 10.70                                           | 10.35 | 10.55 | 10.53 | 10.98 | 10.05 | 11.51 | 9.98  | 9.18  | 9.26  | 9.29  | 10.70 | 8.20 | 9.91      | 9.85      | 9.30      | 8.63      | 9.37       | 9.34        | 8.99      | 9.06       |
| March 31, 2010          | 9.43                                            | 9.31  | 9.43  | 9.43  | 9.95  | 8.81  | 10.60 | 8.13  | 8.36  | 8.78  | 8.47  | 8.37  | 6.80 | 7.95      | 8.60      | 8.79      | 7.43      | 8.55       | 8.06        | 8.35      | 8.62       |

| Well Number                                | Ground Water Elevation in feet above mean sea level (amsl) |        |        |        |        |        |        |        |        |        |        |        |        |           |           |           |           |            |             |           |            |
|--------------------------------------------|------------------------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----------|-----------|-----------|-----------|------------|-------------|-----------|------------|
|                                            | MW1                                                        | MW1P   | MW2    | MW2P   | MW2PP  | MW3    | MW4    | MW5    | MW6    | MW6P   | MW6PP  | MW7    | MW8    | PECFA MW1 | PECFA MW2 | PECFA MW3 | PECFA MW4 | PECFA MW4P | PECFA MW4PP | PECFA MW5 | PECFA MW5P |
| <b>Top of Casing Elevation (feet amsl)</b> | 860.20                                                     | 859.59 | 860.10 | 859.80 | 860.01 | 859.88 | 862.57 | 862.13 | 859.97 | 859.77 | 859.70 | 860.35 | 856.65 | 862.30    | 863.09    | 862.11    | 861.53    | 861.58     | 861.33      | 861.80    | 861.25     |
| <b>Measurement Date</b>                    |                                                            |        |        |        |        |        |        |        |        |        |        |        |        |           |           |           |           |            |             |           |            |
| September 28, 2004                         | 849.16                                                     | --     | 848.98 | --     | --     | 849.85 | 850.63 | 851.26 | --     | --     | --     | --     | --     | --        | --        | --        | --        | --         | --          | --        | --         |
| October 11, 2004                           | 848.91                                                     | --     | 848.68 | --     | --     | 849.48 | 850.28 | 850.74 | --     | --     | --     | --     | --     | --        | --        | --        | --        | --         | --          | --        | --         |
| January 10, 2005                           | 848.00                                                     | --     | 847.67 | --     | --     | 848.25 | --     | 849.23 | --     | --     | --     | --     | --     | --        | --        | --        | --        | --         | --          | 849.40    | --         |
| April 13, 2005                             | 849.14                                                     | --     | 848.31 | --     | --     | 848.89 | 849.64 | 849.55 | --     | --     | --     | --     | --     | --        | --        | --        | --        | --         | --          | 849.64    | --         |
| July 22, 2005                              | 846.55                                                     | --     | 846.37 | --     | --     | 847.22 | --     | 847.15 | --     | --     | --     | --     | --     | --        | --        | --        | --        | --         | --          | 847.62    | --         |
| March 24, 2006                             | 846.12                                                     | --     | 846.04 | --     | --     | 846.63 | --     | 848.36 | 846.55 | --     | --     | --     | --     | --        | --        | --        | --        | --         | --          | 847.90    | --         |
| June 14, 2006                              | 848.19                                                     | --     | 847.81 | --     | --     | 848.81 | --     | 850.68 | 848.39 | --     | --     | --     | --     | --        | --        | --        | --        | --         | --          | 849.48    | --         |
| September 15, 2006                         | 848.26                                                     | --     | 847.91 | --     | --     | 848.24 | --     | 849.60 | 848.57 | --     | --     | --     | --     | --        | --        | --        | --        | --         | --          | 849.31    | --         |
| January 9, 2007                            | 847.27                                                     | --     | 846.91 | --     | --     | 847.88 | --     | 848.46 | 847.29 | --     | --     | --     | --     | --        | --        | --        | --        | --         | --          | 848.26    | --         |
| February 27, 2007                          | 846.12                                                     | --     | 845.68 | --     | --     | 846.57 | --     | 846.43 | 846.05 | --     | --     | --     | --     | 847.10    | 847.27    | 846.71    | 846.76*   | 847.34     | 846.72      | 846.88    | 847.32     |
| April 3, 2007                              | 850.58                                                     | --     | 848.96 | --     | --     | 848.98 | --     | 849.51 | 848.10 | --     | --     | --     | --     | 849.10    | 849.81    | 848.70    | 848.85*   | 848.61     | 848.56      | 848.72    | 847.45     |
| April 30, 2007                             | 849.53                                                     | --     | 849.19 | --     | --     | 849.93 | 849.59 | 850.99 | 849.53 | --     | --     | --     | --     | 850.38    | 850.61    | 850.08    | 850.29*   | 850.00     | 849.91      | 850.11    | 849.88     |
| November 15, 2007                          | 848.40                                                     | 847.38 | 847.93 | 847.40 | --     | --     | --     | --     | 848.60 | 848.26 | --     | --     | --     | --        | --        | --        | --        | --         | --          | --        | --         |
| December 6, 2007                           | 847.81                                                     | 846.84 | 847.27 | 846.87 | --     | 848.16 | --     | 848.25 | 847.89 | 847.68 | --     | 848.17 | 847.18 | 848.96    | 849.03    | 848.67    | 848.73    | --         | --          | --        | --         |
| June 18, 2008                              | 855.98                                                     | 854.58 | 855.16 | 854.56 | --     | 855.36 | --     | 858.39 | 856.24 | 852.86 | --     | 856.14 | 854.41 | 856.55    | 855.86    | 855.20    | 856.01    | 855.76     | 855.68      | 856.08    | 854.04     |
| December 10, 2008                          | 848.14                                                     | 847.17 | 847.80 | 847.54 | --     | 848.07 | --     | 849.23 | 848.45 | 841.89 | --     | 847.77 | 847.18 | 850.34    | 850.74    | 850.15    | 850.38    | 851.98     | 849.85      | 850.22    | 851.25     |
| August 12, 2009                            | 849.50                                                     | 849.24 | 849.55 | 849.27 | 849.03 | 849.83 | 851.06 | 852.15 | 850.79 | 850.51 | 850.41 | 849.65 | 848.45 | 852.39    | 853.24    | 852.81    | 852.90    | 852.21     | 851.99      | 852.81    | 852.19     |
| March 31, 2010                             | 850.77                                                     | 850.28 | 850.67 | 850.37 | 850.06 | 851.07 | 851.97 | 854.00 | 851.61 | 850.99 | 851.23 | 851.98 | 849.85 | 854.35    | 854.49    | 853.32    | 854.10    | 853.03     | 853.27      | 853.45    | 852.63     |

**ABBREVIATIONS:**  
 NI = well not installed yet      NM = not measured      FP = free product      amsl = above mean sea level

**NOTES:**  
 \* Free product was measured in the well. Groundwater elevation is calculated by correcting for product thickness using a specific gravity of petroleum of 0.75.

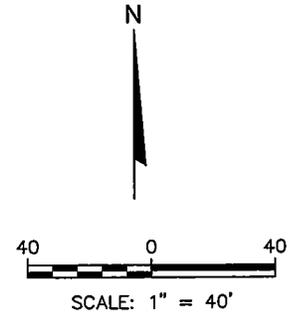
# Monitoring Well Map - Wells left for continued monitoring circled



| LEGEND |                      |
|--------|----------------------|
|        | FIRE HYDRANT         |
|        | STORM SEWER INLET    |
|        | UTILITY POLE         |
|        | ELECTRIC             |
|        | GAS                  |
|        | STORM SEWER          |
|        | TELEPHONE            |
|        | WATER                |
|        | TRAIN TRACKS         |
|        | FENCE                |
|        | GEOPROBE SOIL BORING |
|        | MONITORING WELL      |
|        | RECOVERY WELL        |

NOTES:

1. SITE PLAN BASED ON MADISON EAST NW QUADRANT ORTHOPHOTOGRAPH, USGS, DATED MAY 16, 2000 AND REVISED WITH GPS DATA. COORDINATE SYSTEM IS UTM ZONE 16 NORTH IN FEET.



|                   |                           |                                                                      |                                               |                                                                 |        |
|-------------------|---------------------------|----------------------------------------------------------------------|-----------------------------------------------|-----------------------------------------------------------------|--------|
| PROJECT NO. 3234  | DRAWN BY: KP              | <br>2830 DAIRY DRIVE MADISON, WI 53718-8751<br>PHONE: (608) 224-2830 | CLIENT<br><br>AGRUM, INC.<br>CALGARY, ALBERTA | SITE<br>ROYSTER-CLARK<br>902 DEMPSEY ROAD<br>MADISON, WISCONSIN | FIGURE |
| DRAWN: 10/24/08   | CHECKED BY: SMS           |                                                                      |                                               |                                                                 | A-3    |
| REVISED: 05/27/10 | APPROVED BY: SMS 06/02/10 |                                                                      |                                               |                                                                 |        |

I:\3234\fig-pros-general\PECFA-WELL3.dwg, 6/7/2010 2:06:40 PM

|                                                                                                                               |                                                                                                                                                                                                               |                                                                                              |
|-------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| Facility/Project Name<br><b>Royster Company</b>                                                                               | Grid Location<br>ft. <input type="checkbox"/> N. <input type="checkbox"/> S.<br>ft. <input type="checkbox"/> E. <input type="checkbox"/> W.                                                                   | Well Name<br><b>MONITORING WELL 1</b>                                                        |
| Utility License, Permit or Monitoring Number                                                                                  |                                                                                                                                                                                                               | Wis. Unique Well Number: _____ DNR Well Number: _____                                        |
| Type of Well<br>Water Table Observation Well <input checked="" type="checkbox"/> 11<br>Piezometer <input type="checkbox"/> 12 | Section Location<br>1/4 of _____ 1/4 of Section _____<br>T _____ N, R _____ <input type="checkbox"/> E <input type="checkbox"/> W                                                                             | Date Well Installed<br><u>09/04/90</u><br>m m d d y y                                        |
| Distance Well Is From Waste/Source Boundary<br>ft. _____                                                                      | Location of Well Relative to Waste/Source<br><input type="checkbox"/> Upgradient <input type="checkbox"/> Sidegradient<br><input type="checkbox"/> Downgradient <input checked="" type="checkbox"/> Not Known | Well Installed By: (Person's Name and Firm)<br><b>SOILS &amp; ENGINEERING SERVICES, INC.</b> |
| Well A Point of Enforcement Std. Application?<br><input type="checkbox"/> Yes <input type="checkbox"/> No                     |                                                                                                                                                                                                               | <b>Madison, Wisconsin 53713</b>                                                              |

Protective pipe, top elevation --- 99.3 ft. MSL

Well casing, top elevation --- 98.88 ft. MSL

Land surface elevation --- 99.3 ft. MSL

Surface seal, bottom --- 98.3 ft. MSL or 1.0 ft.

USCS classification of soil near screen:  
 GP  GM  GC  GW  SW  SP  
 SM  SC  ML  MH  CL  CH  
 Bedrock

Sieve analysis attached?  Yes  No

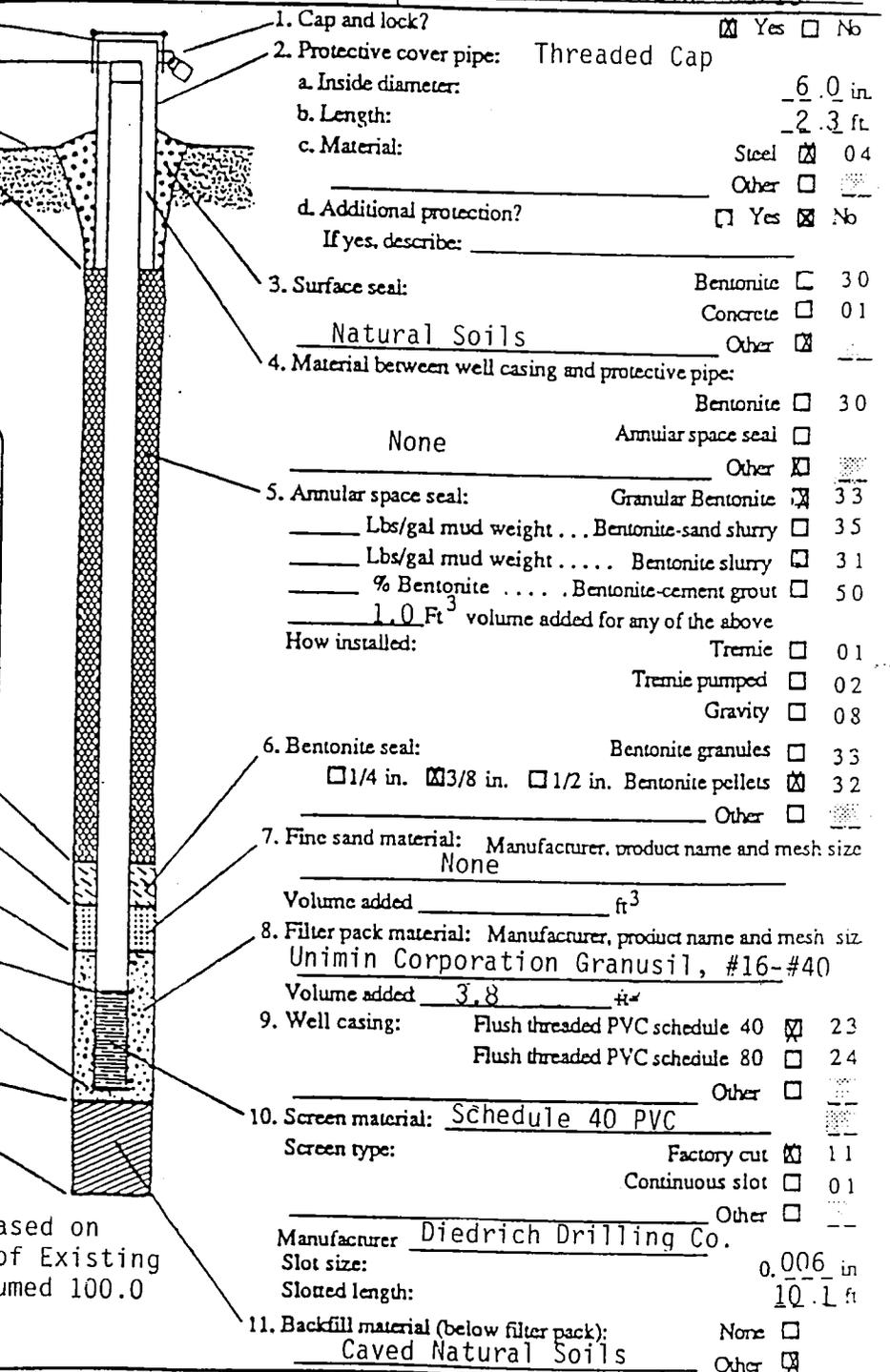
Drilling method used:  
 Rotary  50  
 Hollow Stem Auger  41  
 Other

Drilling fluid used: Water  02 Air  01  
 Drilling Mud  03 None  99

Drilling additives used?  Yes  No

Describe \_\_\_\_\_

Source of water (attach analysis): \_\_\_\_\_



Bentonite seal, top --- 95.0 ft. MSL or 4.3 ft.

Fine sand, top --- 93.0 ft. MSL or 6.3 ft.

Water pack, top --- 93.0 ft. MSL or 6.3 ft.

Well screen, top --- 91.0 ft. MSL or 8.3 ft.

Well screen, bottom --- 80.9 ft. MSL or 18.4 ft.

Water pack, bottom --- 79.7 ft. MSL or 19.6 ft.

Borehole, bottom --- 79.3 ft. MSL or 20.0 ft.

Borehole, diameter 7.6 in.

I.D. well casing 2.38 in.

O.D. well casing 2.00 in.

Elevations Based on  
First Floor of Existing  
Building Assumed 100.0

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: W. Bower Firm: **SOILS & ENGINEERING SERVICES, INC.**

Complete and return both sides of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Adm. Code, in accordance with 144, Wis. Stats., failure to file this form may result in a forfeiture of not less than \$10, nor more than \$5,000 for each day of violation. In accordance with 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than \$10,000 for each day of violation.

Additional areas are for DNR use only. See instructions for more information.

|                                                                                                                               |                                                                                                                                                                                                               |                                                                                              |
|-------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| Facility/Project Name<br><b>Royster Company</b>                                                                               | Grid Location<br>ft. <input type="checkbox"/> N. <input type="checkbox"/> S.                                                                                                                                  | Well Name<br><b>Monitoring Well 2</b>                                                        |
| Utility License, Permit or Monitoring Number                                                                                  | ft. <input type="checkbox"/> E. <input type="checkbox"/> W.                                                                                                                                                   | Wis. Unique Well Number: _____ DNR Well Number: _____                                        |
| Type of Well<br>Water Table Observation Well <input checked="" type="checkbox"/> 11<br>Piezometer <input type="checkbox"/> 12 | Section Location<br>____ 1/4 of ____ 1/4 of Section ____                                                                                                                                                      | Date Well Installed <u>09/04/90</u><br>m m d d y y                                           |
| Distance Well Is From Waste/Source Boundary<br>ft.                                                                            | T ____ N, R ____ <input type="checkbox"/> E <input type="checkbox"/> W                                                                                                                                        | Well Installed By: (Person's Name and Firm)<br><b>SOILS &amp; ENGINEERING SERVICES, INC.</b> |
| Well A Point of Enforcement Std. Application?<br><input type="checkbox"/> Yes <input type="checkbox"/> No                     | Location of Well Relative to Waste/Source<br><input type="checkbox"/> Upgradient <input type="checkbox"/> Sidegradient<br><input type="checkbox"/> Downgradient <input checked="" type="checkbox"/> Not Known | <b>Madison, Wisconsin 53713</b>                                                              |

|                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A. Protective pipe, top elevation <u>100.1</u> ft. MSL                                                                                                                                                                                                                                                                                                                                                                                 | 1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Well casing, top elevation <u>100.1</u> ft. MSL                                                                                                                                                                                                                                                                                                                                                                                        | 2. Protective cover pipe: Threaded Cap                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| C. Land surface elevation <u>100.1</u> ft. MSL                                                                                                                                                                                                                                                                                                                                                                                         | a. Inside diameter: <u>6.0</u> in.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Surface seal, bottom <u>99.1</u> ft. MSL or <u>1.0</u> ft.                                                                                                                                                                                                                                                                                                                                                                             | b. Length: <u>2.3</u> ft.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 12. USCS classification of soil near screen:<br><input type="checkbox"/> GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP<br><input type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH<br><input type="checkbox"/> Bedrock | c. Material: Steel <input checked="" type="checkbox"/> 04<br>Other <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 13. Sieve analysis attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                                                                                                                                                                                                                                                                                                                                       | d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br>If yes, describe: _____                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Drilling method used: Rotary <input type="checkbox"/> 50<br>Hollow Stem Auger <input checked="" type="checkbox"/> 41<br>Other <input type="checkbox"/>                                                                                                                                                                                                                                                                                 | 3. Surface seal: Bentonite <input checked="" type="checkbox"/> 30<br>Concrete <input type="checkbox"/> 01<br><u>Natural Soils</u> Other <input checked="" type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                     |
| Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01<br>Drilling Mud <input type="checkbox"/> 03 None <input checked="" type="checkbox"/> 99                                                                                                                                                                                                                                                         | 4. Material between well casing and protective pipe:<br>Bentonite <input type="checkbox"/> 30<br>Annular space seal <input type="checkbox"/><br><u>None</u> Other <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                      |
| Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                                                                                                                                                                                                                                                                                                                                           | 5. Annular space seal: Granular Bentonite <input checked="" type="checkbox"/> 33<br>____ Lbs/gal mud weight . . . Bentonite-sand slurry <input type="checkbox"/> 35<br>____ Lbs/gal mud weight . . . . . Bentonite slurry <input type="checkbox"/> 31<br>____ % Bentonite . . . . . Bentonite-cement grout <input type="checkbox"/> 50<br><u>1.0</u> Ft <sup>3</sup> volume added for any of the above<br>Htw installer: Tremie <input type="checkbox"/> 01<br>Tremie pumped <input type="checkbox"/> 02<br>Gravity <input type="checkbox"/> 08 |
| Describe _____                                                                                                                                                                                                                                                                                                                                                                                                                         | 6. Bentonite seal: Bentonite granules <input type="checkbox"/> 33<br><input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite pellets <input checked="" type="checkbox"/> 32<br>Other <input type="checkbox"/>                                                                                                                                                                                                                                                                   |
| Source of water (attach analysis): _____                                                                                                                                                                                                                                                                                                                                                                                               | 7. Fine sand material: Manufacturer, product name and mesh size<br><u>None</u><br>Volume added _____ ft <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Bentonite seal, top <u>94.8</u> ft. MSL or <u>5.3</u> ft.                                                                                                                                                                                                                                                                                                                                                                              | 8. Filter pack material: Manufacturer, product name and mesh size<br><u>Unimin Corporation Granusil, #16-#40</u><br>Volume added <u>4.1</u> ft <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                     |
| Fine sand, top <u>92.8</u> ft. MSL or <u>7.3</u> ft.                                                                                                                                                                                                                                                                                                                                                                                   | 9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23<br>Flush threaded PVC schedule 80 <input type="checkbox"/> 24<br>Other <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                           |
| Filter pack, top <u>92.8</u> ft. MSL or <u>7.3</u> ft.                                                                                                                                                                                                                                                                                                                                                                                 | 10. Screen material: <u>Schedule 40 PVC</u><br>Screen type: Factory cut <input checked="" type="checkbox"/> 11<br>Continuous slot <input type="checkbox"/> 01<br>Other <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                 |
| Well screen, top <u>90.8</u> ft. MSL or <u>9.3</u> ft.                                                                                                                                                                                                                                                                                                                                                                                 | Manufacturer <u>Diedrich Drilling Co.</u><br>Slot size: <u>0.006</u> in.<br>Slotted length: <u>10.0</u> ft.                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Well screen, bottom <u>80.6</u> ft. MSL or <u>19.5</u> ft.                                                                                                                                                                                                                                                                                                                                                                             | 11. Backfill material (below filter pack): None <input type="checkbox"/><br><u>Caved Natural Soils</u> Other <input checked="" type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                |
| Filter pack, bottom <u>79.7</u> ft. MSL or <u>20.4</u> ft.                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Borehole, bottom <u>78.1</u> ft. MSL or <u>22.0</u> ft.                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Borehole, diameter <u>7.6</u> in.                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| O.D. well casing <u>2.38</u> in.                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| I.D. well casing <u>2.00</u> in.                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Craig M. Bower Firm: **SOILS & ENGINEERING SERVICES, INC.**

Please complete and return both sides of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with ch. 144, Wis. Stats., failure to file this form may result in a forfeiture of not less than \$10, nor more than \$5,000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than \$10,000 for each day of violation.

NOTE: Shaded areas are for DNR use only. See instructions for more information.

|                                                                                                                               |  |                                                                                                                                                                                                                                                                                           |  |                                                                                                                         |  |
|-------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------|--|
| City/Project Name<br><b>Royster Company</b>                                                                                   |  | Grid Location<br>_____ ft. <input type="checkbox"/> N. <input type="checkbox"/> S.<br>_____ ft. <input type="checkbox"/> E. <input type="checkbox"/> W.                                                                                                                                   |  | Well Name<br><b>Monitoring Well 3</b>                                                                                   |  |
| License, Permit or Monitoring Number<br>_____                                                                                 |  | Section Location<br>_____ 1/4 of _____ 1/4 of Section _____                                                                                                                                                                                                                               |  | Wis. Unique Well Number _____ DNR Well Number _____                                                                     |  |
| Type of Well<br>Water Table Observation Well <input checked="" type="checkbox"/> 11<br>Piezometer <input type="checkbox"/> 12 |  | Location of Well Relative to Waste/Source<br>T _____ N, R _____ <input type="checkbox"/> E <input type="checkbox"/> W<br><input type="checkbox"/> Upgradient <input type="checkbox"/> Sidegradient<br><input type="checkbox"/> Downgradient <input checked="" type="checkbox"/> Not Known |  | Date Well Installed<br><u>0 9 / 0 6 / 9 0</u><br>m m d d y y                                                            |  |
| Is Well Is From Waste/Source Boundary _____ ft.                                                                               |  | All A Point of Enforcement Std. Application?<br><input type="checkbox"/> Yes <input type="checkbox"/> No                                                                                                                                                                                  |  | Well Installed By: (Person's Name and Firm)<br><b>SOILS &amp; ENGINEERING SERVICES, INC</b><br>Madison, Wisconsin 53713 |  |

Protective pipe, top elevation 99.2 ft. MSL

Well casing, top elevation 99.2 ft. MSL

Land surface elevation 99.2 ft. MSL

Surface seal, bottom 98.2 ft. MSL or 1.0 ft.

USCS classification of soil near screen:  
 GP  GM  GC  GW  SW  SP  
 SM  SC  ML  MH  CL  CH  
 Bedrock

Sieve analysis attached?  Yes  No

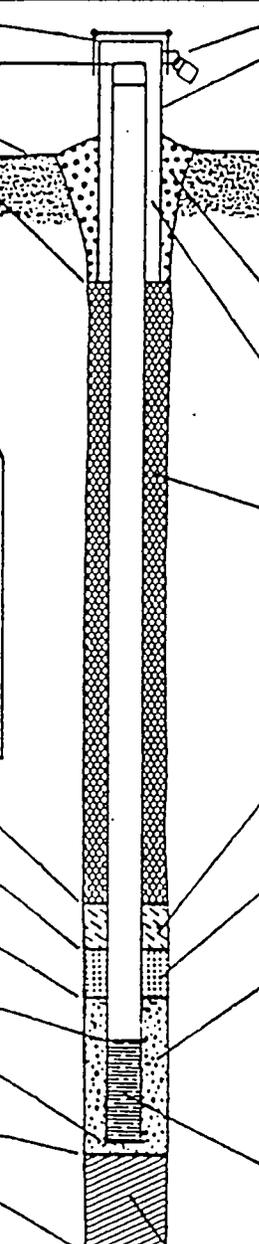
Drilling method used:  
 Rotary  50  
 Hollow Stem Auger  41  
 Other

Drilling fluid used: Water  02 Air  01  
 Drilling Mud  03 None  99

Drilling additives used?  Yes  No

Describe \_\_\_\_\_

Source of water (attach analysis): \_\_\_\_\_



1. Cap and lock?  Yes  No

2. Protective cover pipe: Threaded Cap  
 a. Inside diameter: 6.0 in.  
 b. Length: 2.3 ft.  
 c. Material: Steel  04  
 Other

d. Additional protection?  Yes  No  
 If yes, describe: \_\_\_\_\_

3. Surface seal: Bentonite  30  
 Concrete  01  
Natural Soils Other

4. Material between well casing and protective pipe:  
 Bentonite  30  
 Annular space seal   
None Other

5. Annular space seal: Granular Bentonite  33  
 \_\_\_\_\_ Lbs/gal mud weight . . . Bentonite-sand slurry  35  
 \_\_\_\_\_ Lbs/gal mud weight . . . . . Bentonite slurry  31  
 \_\_\_\_\_ % Bentonite . . . . . Bentonite-cement grout  50  
1.0 Ft<sup>3</sup> volume added for any of the above  
 How installed: Tremie  01  
 Tremie pumped  02  
 Gravity  08

6. Bentonite seal: Bentonite granules  33  
 1/4 in.  3/8 in.  1/2 in. Bentonite pellets  32  
 Other

7. Fine sand material: Manufacturer, product name and mesh size  
None  
 Volume added \_\_\_\_\_ ft<sup>3</sup>

8. Filter pack material: Manufacturer, product name and mesh size  
Unimin Corporation, Granusil, #16-#40  
 Volume added 4.0 ft<sup>3</sup>

9. Well casing: Flush threaded PVC schedule 40  23  
 Flush threaded PVC schedule 80  24  
 Other

10. Screen material: Schedule 40 PVC  
 Screen type: Factory cut  11  
 Continuous slot  01  
 Other

Manufacturer Diedrich Drilling  
 Slot size: 0.006 in.  
 Slotted length: 10.1 ft.

11. Backfill material (below filter pack): None   
Caved Natural Soils Other

Bentonite seal, top 94.2 ft. MSL or 5.0 ft.

Filter sand, top 92.2 ft. MSL or 7.0 ft.

Filter pack, top 92.2 ft. MSL or 7.0 ft.

Well screen, top 90.3 ft. MSL or 8.9 ft.

Well screen, bottom 80.2 ft. MSL or 19.0 ft.

Filter pack, bottom 79.5 ft. MSL or 19.7 ft.

Borehole, bottom 79.2 ft. MSL or 20.0 ft.

Borehole, diameter 7.6 in.

I.D. well casing 2.38 in.

O.D. well casing 2.00 in.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Name David M. Bower Firm **SOILS & ENGINEERING SERVICES, INC.**

See complete and return both sides of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with ch. 144, Wis. Stats., failure to file this form may result in a forfeiture of not less than \$10, nor more than \$5,000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than \$10,000 for each day of violation.

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