

GIS REGISTRY

Cover Sheet

July, 2008
(RR 5367)

Source Property Information

BRRTS #:

ACTIVITY NAME:

PROPERTY ADDRESS:

MUNICIPALITY:

PARCEL ID #:

CLOSURE DATE:

FID #:

DATCP #:

COMM #:

*WTM COORDINATES:

X: Y:

** 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")*

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

Contamination in ROW

Off-Source Contamination

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

Land Use Controls:

Soil: maintain industrial zoning (220)

*(note: soil contamination concentrations
between residential 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 or economic
development corporation)*

Monitoring wells properly abandoned? (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 #: PARCEL ID #:

ACTIVITY NAME: WTM COORDINATES: X: Y:

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

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

SOURCE LEGAL DOCUMENTS

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

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

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

- Location Map:** A map outlining all properties within the contaminated site boundaries on a U.S.G.S. topographic map or plat map in sufficient detail to permit easy location of all parcels. If groundwater standards are exceeded, include the location of all potable wells within 1200 feet of the site.
Note: Due to security reasons municipal wells are not identified on GIS Packet maps. However, the locations of these municipal wells must be identified on Case Closure Request maps.
Figure #: 1 **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 #: 2 **Title: Site Layout**
- 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 #: 3 **Title: Soil Concentrations Exceeding the NR720 RCLs**

BRRTS #: 03-71-543143

ACTIVITY NAME: Triple S Inc #9535 (Former Gas Station)

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 #: 4A Title: Geologic Cross-Section A-A'

Figure #: 4B Title: Geologic Cross-Section B-B'

- 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 #: Title:

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

Figure #: Title:

Figure #: Title:

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

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

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

Table #: 1A,B,C & D Title: Soil Analytical Results

- 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 #: Title:

- 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 #: Title:

IMPROPERLY ABANDONED MONITORING WELLS

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

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

- Not Applicable**

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

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

Figure #: Title:

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

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

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

BRRTS #: 03-71-543143

ACTIVITY NAME: Triple S Inc #9535 (Former Gas Station)

NOTIFICATIONS

Source Property

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

Off-Source Property

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

- Letter To "Off-Source" Property Owners:** Copies of all letters sent by the Responsible Party (RP) to owners of properties with groundwater exceeding an Enforcement Standard (ES), and to owners of properties that will be affected by a land use control under s. 292.12, Wis. Stats.
Note: Letters sent to off-source properties regarding residual contamination must contain standard provisions in Appendix A of ch. NR 726.
Number of "Off-Source" Letters:
- Return Receipt/Signature Confirmation:** Written proof of date on which confirmation was received for notifying any off-source property owner.
- Deed of "Off-Source" Property:** The most recent deed(s) as well as legal descriptions, for all affected deeded **off-source property(ies)**. This does not apply to right-of-ways.
Note: If a property has been purchased with a land contract and the purchaser has not yet received a deed, a copy of the land contract which includes the legal description shall be submitted instead of the most recent deed. If the property has been inherited, written documentation of the property transfer should be submitted along with the most recent deed.
- Letter To "Governmental Unit/Right-Of-Way" Owners:** Copies of all letters sent by the Responsible Party (RP) to a city, village, municipality, state agency or any other entity responsible for maintenance of a public street, highway, or railroad right-of-way, within or partially within the contaminated area, for contamination exceeding a groundwater Enforcement Standard (ES) and/or soil exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Level (SSRCL).
Number of "Governmental Unit/Right-Of-Way Owner" Letters:



ENVIRONMENTAL & REGULATORY SERVICES DIVISION
BUREAU OF PECFA
375 City Center, Suite I
Oshkosh, Wisconsin 54901-1805
TTY: Contact Through Relay
Fax: (920) 424-0217
Jim Doyle, Governor
Richard J. Leinenkugel, Secretary

November 4, 2008

Ms. Diane Wiebusch
Triple S Refining Corporation
PO Box 268859
Oklahoma City, OK 73126-8859

RE: **Final Closure**

Commerce # 54956-9999-60-A DNR BRRTS # 03-71-543143
Former Triple S #9535, 906 American Drive, Neenah

Ms. Wiebusch:

The Wisconsin Department of Commerce (Commerce) has reviewed the request for case closure, prepared by ENSR, for the site referenced above. Commerce has determined that this site does not pose a significant threat to human health or the environment. No further investigation or remedial action is necessary.

This case is now listed as "closed" on the Commerce database and will be included on the Department of Natural Resources (DNR) Geographic Information System (GIS) Registry of Closed Remediation Sites to address residual soil contamination. If you intend to construct or reconstruct a potable well on this property, you must get prior DNR approval.

All current and future owners and occupants of the property need to be aware that excavation of contaminated soil may pose a hazard. If contaminated soil is excavated in the future, it must be handled in accordance with DNR rules for special waste. Costs for sampling and excavation activities conducted after case closure are not eligible for PECFA reimbursement. However, if it is determined that any undisturbed remaining petroleum contamination poses a threat, the case may be reopened and further investigation or remediation may be required. If this case is reopened, any original claim under the PECFA fund would also reopen and you may apply for assistance to the extent of remaining eligibility.

Timely filing of your final PECFA claim is encouraged. If your PECFA claim is not received within 120 days of the date of this letter, interest costs incurred after 60 days of the date of this letter will not be eligible for PECFA reimbursement.

Thank you for your efforts to protect Wisconsin's environment. If you have any questions, please contact me in writing at the letterhead address or by telephone at (920) 424-0046.

Sincerely,

A handwritten signature in black ink, appearing to read "Robert H. Klauk".

Robert H. Klauk
Senior Hydrogeologist
Site Review Section

cc: Susan Petrofske - ENSR



ENVIRONMENTAL & REGULATORY SERVICES DIVISION
BUREAU OF PECFA
2129 Jackson Street
Oshkosh, Wisconsin 54901-1805
TDD #: (608) 264-8777
Fax #: (920) 424-0217
Jim Doyle, Governor
Jack L. Fischer, A.I.A., Secretary

September 8, 2008

Ms. Diane Wiebusch
Tronox
PO Box 268859
Oklahoma City, OK 73126-8859

RE: **Conditional Case Closure**

Commerce # 54956-9999-60-A DNR BRRTS # 03-71-543143
Former Triple S #9535, 906 American Drive, Neenah

Dear Ms. Wiebusch:

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

The following condition must be satisfied to obtain final closure:

- Documentation of the abandonment (WDNR Abandonment Form 3300-5B) of groundwater monitoring wells MW-1 through MW-6.

Information submitted with your closure request will be included on the Department of Natural Resources (DNR) GIS Registry of Closed Remediation Sites. Residual soil contamination remains on site; therefore, possible future development will require contaminated soil (if excavated) to be handled in accordance with DNR rules for special waste. Costs for sampling and excavation activities conducted after the date of this letter are not eligible for PECFA reimbursement.

This letter serves as your written notice of "no further action." Timely filing of your final PECFA claim is encouraged. If your claim is not received within 120 days of the date of this letter, interest costs incurred after 60 days from the date of this letter will not be eligible for PECFA reimbursement.

Thank you for your efforts to protect Wisconsin's environment. If you have any questions, please contact me in writing at the letterhead address or by telephone at (920) 424-0046.

Sincerely,

A handwritten signature in black ink that reads "Robert H. Klauk". The signature is fluid and cursive.

Robert H. Klauk
Senior Hydrogeologist
Site Review Section

cc: Susan Petrofske - ENSR

ENERGY
CODE

3

AMENDMENT AND CORRECTION DEED

FEE

3
EXEMPT

STATE OF WISCONSIN)
) KNOW ALL MEN BY THESE PRESENTS:
COUNTY OF WINNEBAGO)

WHEREAS, by Deed dated December 29, 1992, recorded in the Records of Winnebago County, Wisconsin on February 8, 1993, at 9:28 a.m., Instrument Document No. 824489, Kerr-McGee Refining Corporation as "Grantor", conveyed to Triple S, Inc. as "Grantee", "[all] those tracts or parcels of land and premises, situate, lying and being in the City of Neenah, County of Winnebago and State of Wisconsin," erroneously described as:

A parcel of land located in the SW/4 of the NW/4 and in the SE/4 of the NW/4 of Section 16, Township 20 North, Range 17 East, described as follows: Beginning at a point that is 1023.00 feet East and 260.10 feet North of the Southwest Corner of the NW/4 of said Section 16, From that point running North a distance of 158.00 feet, thence North 44° 19' East a distance of 208.30 feet; thence South 45° 51' East a distance of 227.20 feet; thence South 49° 59' West a distance of 94.30 feet to the point of beginning. Being a parcel of land of 3178 sq. ft. in area, more or less

WHEREAS, the said Kerr-McGee Refining Corporation and the said Triple S, Inc. desire to amend and correct said deed to show the accurate property description, which description is as follows:

A parcel of land located in the SW/4 of the NW/4 and in the SE/4 of the NW/4 of Section 16, Township 20 North, Range 17 East, described as follows: Beginning at a point that is 1023.00 feet East and 260.10 feet North of the Southwest Corner of the NW/4 of said Section 16, From that point running North a distance of 158.00 feet, thence North 44° 19' East a distance of 208.30 feet; thence South 45° 51' East a distance of 120.00 feet; thence South 44° 19' West a distance of 227.20 feet; thence South 49° 59' West a distance of 94.30 feet to the point of beginning. Being a parcel of land of 31,780 sq. ft. in area, more or less.

NOW, THEREFORE, for and in consideration of the premises herein contained, the said Kerr-McGee Corporation and the said

Triple S, Inc. do hereby amend and correct said deed to incorporate the accurate property description as set out above and the said Kerr-McGee Corporation does hereby grant and convey the tract of land last described above to the said Triple S, Inc., its successors and assigns, subject to any and all provisions set forth in the original deed dated December 29, 1992.

IN WITNESS WHEREOF, this instrument is executed this 21st day of September, 1993.

ATTEST:

Don Hager
Don Hager
Assistant Secretary

KERR-MCGEE REFINING CORPORATION

John C. Linehan
By John C. Linehan
Vice President

FORM APPROVED
10/17/93
L-1511A

ATTEST:

Don Hager
Don Hager
Assistant Secretary

TRIPLE S, INC.

By *George D. Christiansen*
George D. Christiansen
Vice President

Prepared By:

Joneta Hatchell
P. O. Box 25861
Oklahoma City, Oklahoma 73125

224489

2

Register's Office
Winnobago County, Wis.
Received for record
this 21st Day of
October
A.D. 19 93
11:06 o'clock A.M.
W. D. O'Connell
REGISTER OF DEEDS

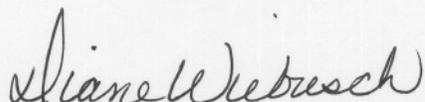
851131

*Kerr-McGee Corp.
Oklahoma City, OK (over)*

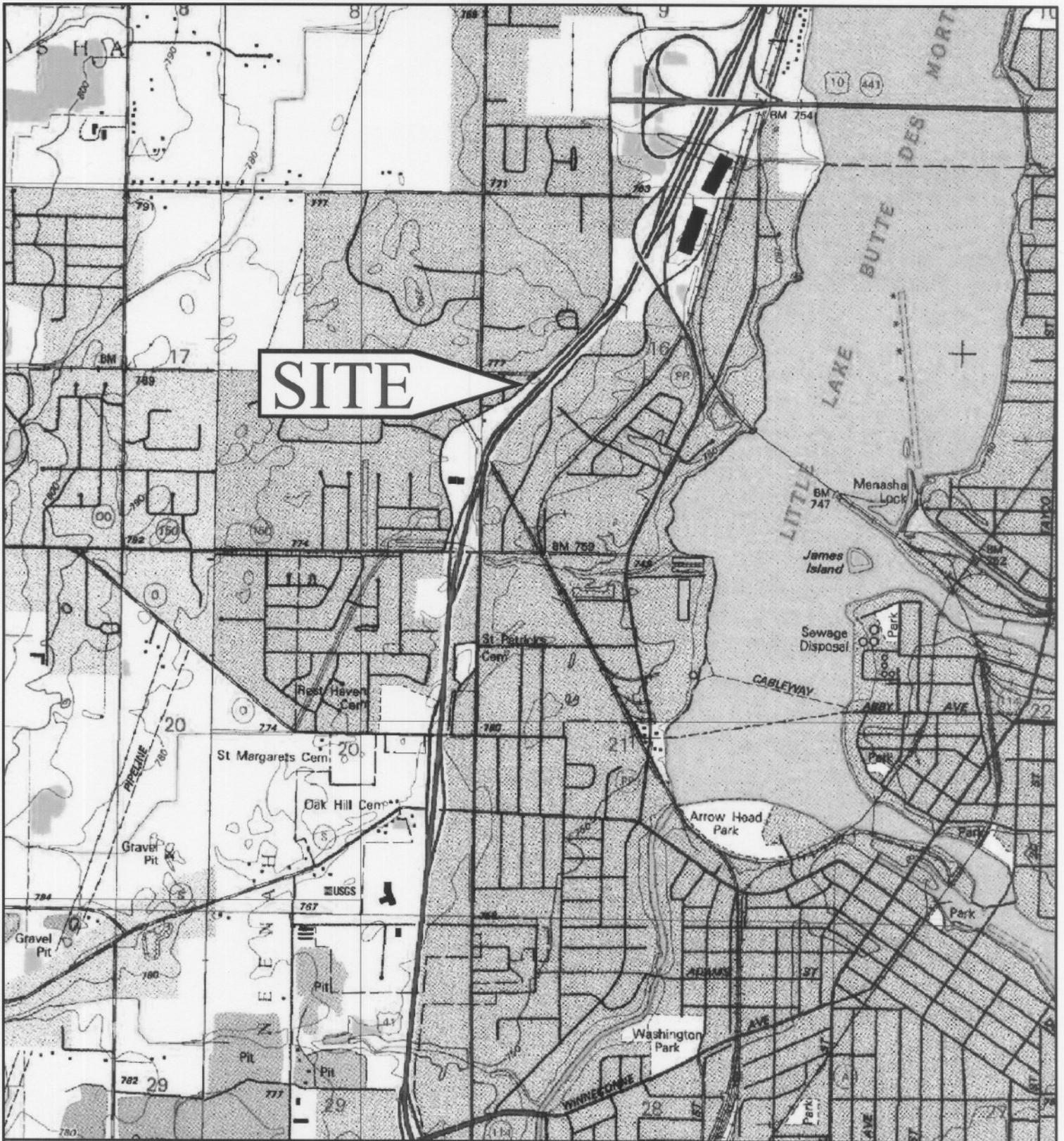
12/10

RP Statement

I believe that the attached legal description accurately describes the correct contaminated property.



Ms. Diane Wiebusch
Triple S, Inc.



Adapted from: USGS 7.5 minute series Neenah, Wisconsin topographic quadrangle in July 1, 1997.

SCALE 1:24,000

Figure 1

Site Location Map

Former Triple S Facility 9535
American Drive (Parcel 0080467), Menasha, Wisconsin

ENSR | AECOM



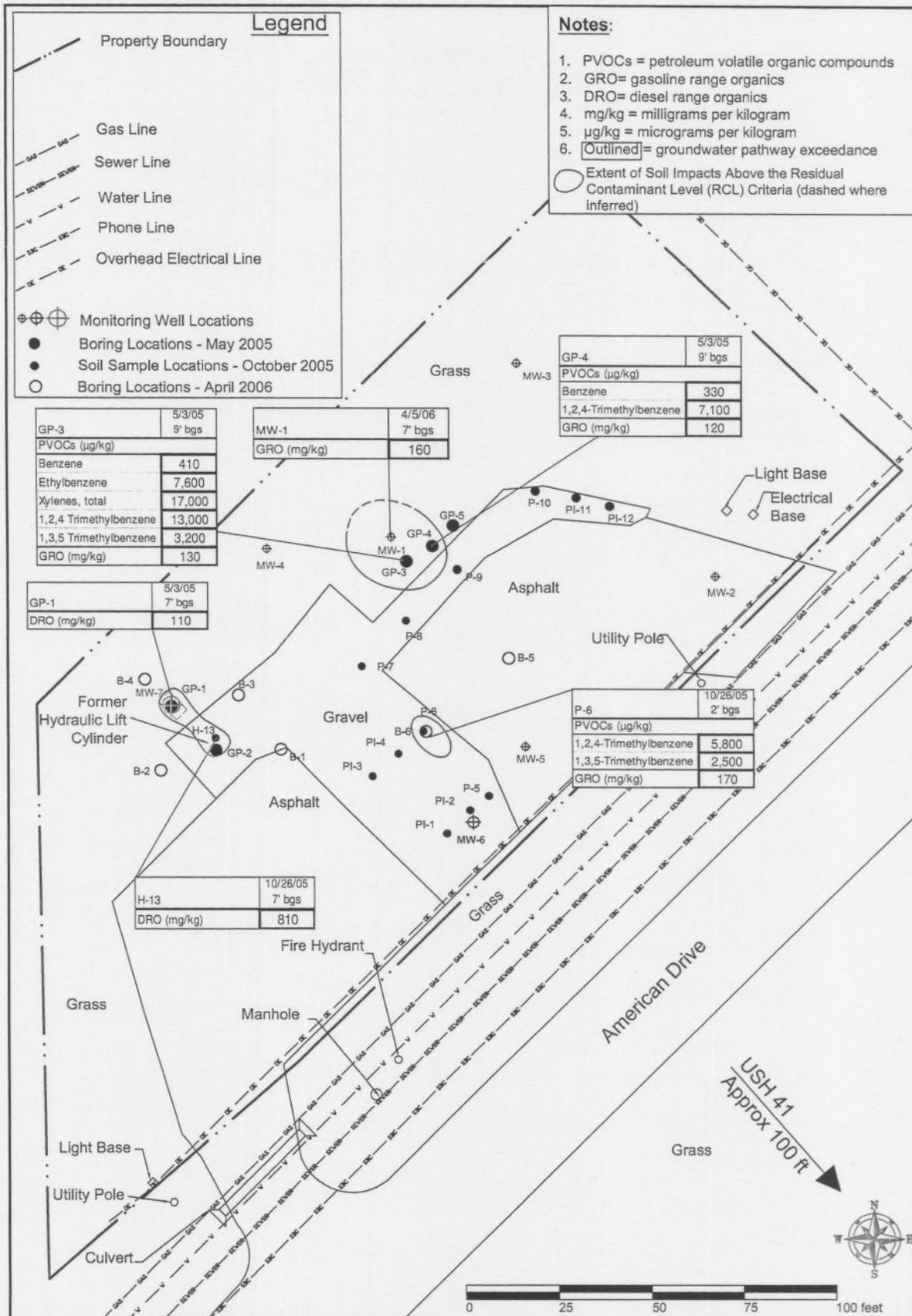


REV#	DATE	DESCRIPTION	APP'D

ENSR | AECOM

Site Layout
 Former Triple S Facility 9535
 American Drive (Parcel 0080487) Menasha, Wisconsin

DRWN: HEP	SCALE AS SHOWN
CHK'D: SK	DATE: 06-02-08
APP'D: SP	FIGURE 2



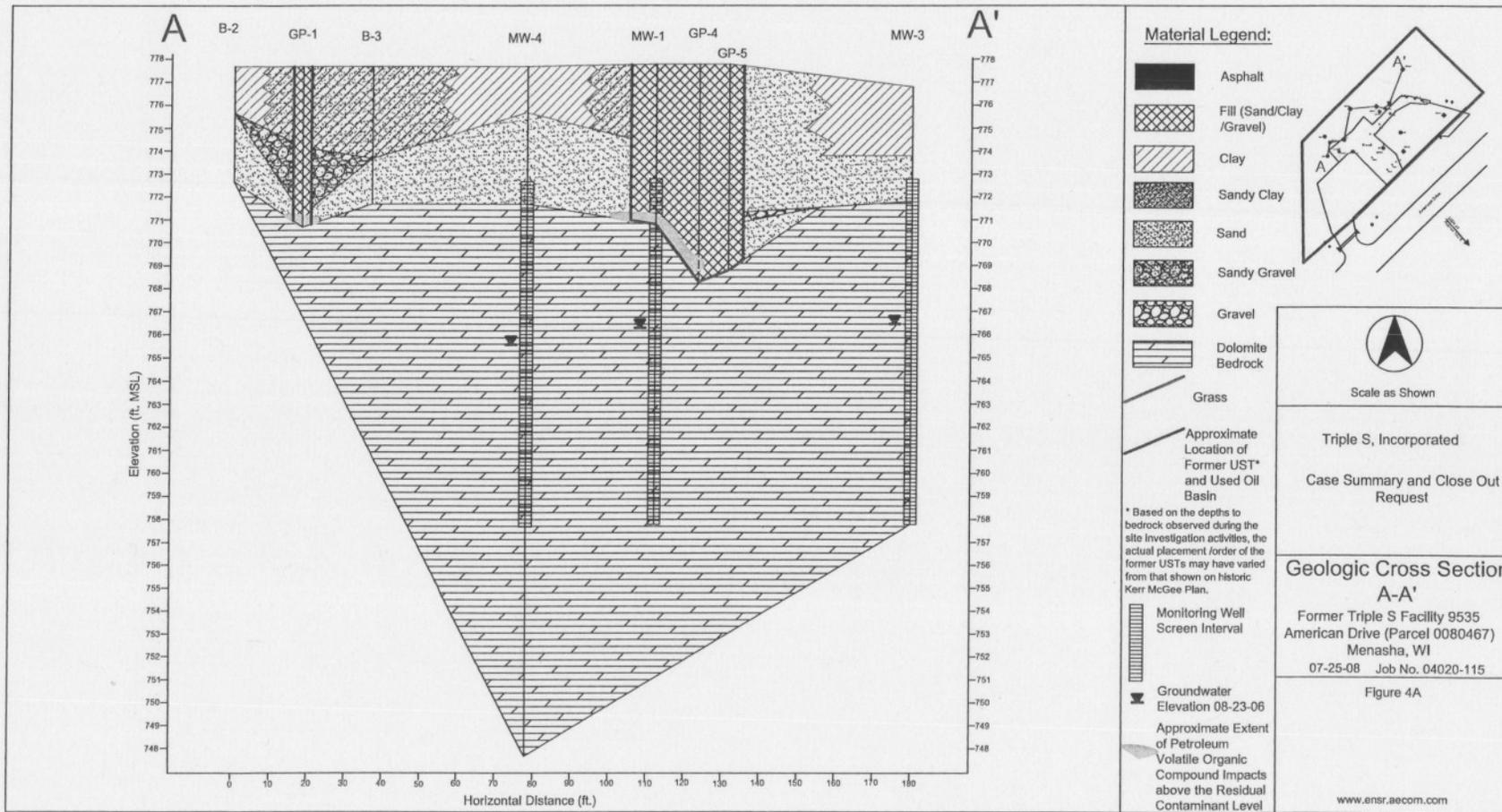
\\PROJECTS\04020 - Tronox\04020115 - Neenah, WI (9535)\8.0 Project Documents\8.80 Maps-Figures\Figures\Closure Request\Figure 3 Soil Concentrations Exceeding the NR720 RCLs.dwg

REV#	DATE	DESCRIPTION	APP'D

ENSR AECOM

Soil Concentrations Exceeding the NR 720 RCLs
Former Triple S Facility 9535
American Drive (Parcel 0080467) Manasha, Wisconsin

DRWN: HEP SCALE AS SHOWN
CHK'D: SK DATE: 06-02-08
APP'D: SP **FIGURE 3**



J:\PROJECTS\04020 - Kerr McGee\04020115 - Menasha, WI (8535)\Reports\Closure Request\Figures\Figure 4A Cross Section A-A'.dwg

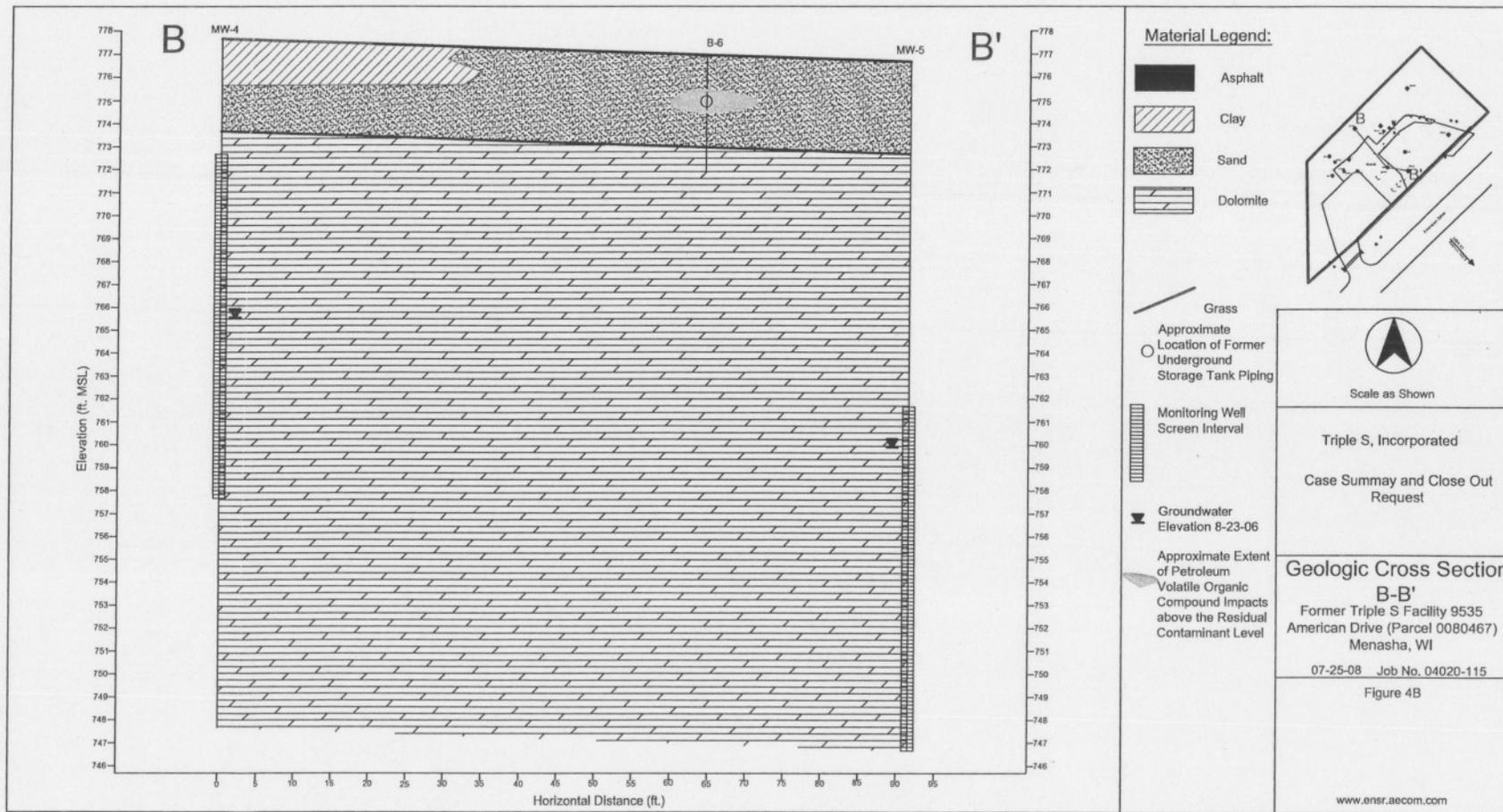


Table 1A
Soil Analytical Results - May 2005

Former Triple S Facility 9535

American Drive (Parcel 0080467)
 Menasha, WI

Parameter	Sample ID, depth, date						RCL	
	GP-1 (7') 5/3/05	GP-2 (8') 5/3/05	GP-3 (8.5') 5/3/05	GP-3 (9') 5/3/05	GP-4 (9') 5/3/05	GP-5 (8') 5/3/05	Groundwater Pathway	Direct Contact (Industrial)
PVOCs (µg/kg)								
Benzene	<29	<31	<29	410	330	<27	5.5 ¹	2,900 ²
Ethylbenzene	<29	<31	<29	7,600	1,700	<27	2,900 ¹	13,000,000 ²
Toluene	150	87	94	250	300	57	1,500 ¹	57,000,000 ²
Xylenes, total	<87	<93	<87	17,000	1,700	<80	4,100 ¹	2,000,000 ²
Methyl tert-Butyl Ether	<29	<31	<29	<36	<30	<27	0.59 ³	720,000 ³
1,2,4 Trimethylbenzene	<29	<31	<29	13,000	7,100	<27	3,000 ⁴	350,000 ²
1,3,5 Trimethylbenzene	<29	<31	<29	3,200	1,400	<27	2,100 ⁴	200,000 ²
PAHs (µg/kg)	ND	ND	NA	NA	NA	NA		
GRO (mg/kg)	<5.8	<6.2	<5.8	130	120	<5.3	100	NL
DRO (mg/kg)	110	<5.6	<5.3	<6.6	46	<5.3	100	NL
PID (ppm eq)	0.0	0.0	0.8	741	76	0.0		

Notes:

VOCs = volatile organic compounds

PAHs = polynuclear aromatic hydrocarbons

GRO= gasoline range organics

DRO= diesel range organics

NA indicates not analyzed.

ND indicates parameters within a suite (class) of compounds not detected above reporting limit.

NL indicates criterion not listed.

Bold = direct contact exceedance (only applies to soils between zero and four feet below ground surface).

Outlined = groundwater pathway exceedance.

RCL = Generic Residual Contaminant Levels as defined in NR 720.

1 = Residual Contaminant Levels as defined in NR 720.

2 =Wisconsin Administrative Code NR ch. 720.19 Residual Contaminant Level for soils in industrial areas (direct contact route) as calculated using EPA soil screening guidance using the

Wisconsin Department of Natural Resource default values, the lowest of all direct contact pathways (inhalation of VOCs, inhalation of fugitive dust, and ingestion) is listed as the direct contact value.

3 = EPA Region III RBC Table 4/6/2007 (no toxicity data available from the EPA SSL calculation website).

4 = Wisconsin Administrative Code NR ch. 720.19 Residual Contaminant Level for protection of groundwater as calculated using EPA soil screening guidance using the Wisconsin Department of Natural Resource default values.

mg/kg = milligrams per kilogram, equivalent to parts per million.

µg/kg = micrograms per kilogram, equivalent to parts per billion.

Table updated on 7/10/2008.

Table 1B
Soil Analytical Results - October 2005

Former Triple S Facility 9535

American Drive (Parcel 0080467)
 Menasha, WI

Parameter	Sample ID, depth, date													RCL		
	Pump Island Samples						Piping Samples						Hoist Sample	Groundwater Pathway	Direct Contact (Industrial)	
	PI-1 (3) 10/26/05	PI-2 (3) 10/26/05	PI-3 (3) 10/26/05	PI-4 (3) 10/26/05	PI-11 (3) 10/26/05	PI-12 (3) 10/26/05	P-5 (2) 10/26/05	P-6 (2) 10/26/05	P-7 (2) 10/26/05	P-8 (2) 10/26/05	P-9 (2) 10/26/05	P-10 (2) 10/26/05	H-13 (7) 10/26/05			
PVOCs (µg/kg)																
Benzene	<31	<30	<32	<29	<28	<29	<28	<29	<31	<27	<27	<28	NA	5.5 ¹	2,900 ²	
Ethylbenzene	<31	<30	<32	80	<28	<29	<28	<29	<31	<27	<27	<28	NA	2,900 ¹	13,000,000 ²	
Toluene	<31	<30	44	120	<28	<29	<28	<29	<31	<27	<27	<28	NA	1,500 ¹	57,000,000 ²	
Xylenes, total	<93	<90	<95	360	<83	<87	<85	4,100	<94	<81	<82	<84	NA	4,100 ¹	2,000,000 ²	
Methyl tert-Butyl Ether	<31	<30	<32	<29	<28	<29	<28	<29	<31	<27	<27	<28	NA	0.59 ³	720,000 ³	
1,2,4 Trimethylbenzene	<31	<30	36	240	<28	<29	<28	5,800	<31	58	<27	<28	NA	3,000 ⁴	350,000 ²	
1,3,5 Trimethylbenzene	<31	<30	<32	60	<28	<29	<28	2,500	<31	<27	<27	<28	NA	2,100 ⁴	200,000 ²	
PAHs (µg/kg)⁵																
Benzo (a) anthracene	NA	NA	NA	NA	<5.5	NA	NA	NA	NA	NA	NA	NA	14	17,000 ⁶	3,900 ⁶	
Benzo (b) fluoranthene	NA	NA	NA	NA	<5.5	NA	NA	NA	NA	NA	NA	NA	24	360,000 ⁶	3,900 ⁶	
Benzo (k) fluoranthene	NA	NA	NA	NA	<5.5	NA	NA	NA	NA	NA	NA	NA	14	870,000 ⁶	39,000 ⁶	
Benzo (a) pyrene	NA	NA	NA	NA	<5.5	NA	NA	NA	NA	NA	NA	NA	24	48,000 ⁶	390 ⁶	
Benzo (ghi) perylene	NA	NA	NA	NA	<5.5	NA	NA	NA	NA	NA	NA	NA	28	6,800,000 ⁶	39,000 ⁶	
Chrysene	NA	NA	NA	NA	<5.5	NA	NA	NA	NA	NA	NA	NA	30	37,000 ⁶	390,000 ⁶	
Indeno (1,2,3-cd) pyrene	NA	NA	NA	NA	<5.5	NA	NA	NA	NA	NA	NA	NA	21	88 ⁶	3,900 ⁶	
GRO (mg/kg)	<6.2	<6.0	<6.3	<5.8	<5.5	<5.8	<5.7	170	<6.2	<5.4	<5.5	<5.6	NA	100 ¹	NL	
DRO (mg/kg)	NA	NA	NA	NA	16	NA	NA	NA	NA	NA	NA	<5.6	810	100 ¹	NL	
PCBs (µg/kg)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<23.1	21 ³	1,400 ³	
PID (ppm eq)	0	0	13.9	86.8	0	0	0.6	1,385	0	49.7	0	0	0	-	-	

Notes:

- 1 = Residual Contaminant Levels as defined in NR 720.
 - 2 = Wisconsin Administrative Code NR ch. 720.19 Residual Contaminant Level for soils in industrial areas (direct contact route) as calculated using EPA soil screening guidance using the Wisconsin Department of Natural Resource default values, the lowest of all direct contact pathways (inhalation of VOCs, inhalation of fugitive dust, and ingestion) is listed as the direct contact value.
 - 3 = EPA Region III RBC Table 4/6/2007 (no toxicity data available from the EPA SSL calculation website).
 - 4 = Wisconsin Administrative Code NR ch. 720.19 Residual Contaminant Level for protection of groundwater as calculated using EPA soil screening guidance using the Wisconsin Department of Natural Resource default values.
 - 5 = Polycyclic aromatic hydrocarbons analyzed by EPA Method 8310, only detected compounds listed.
 - 6 = Soil Cleanup Levels for Polycyclic Aromatic Hydrocarbons (PAHs) - Interim Guidance, RR-519-97.
- PVOCs = petroleum volatile organic compounds
 PAHs = polynuclear aromatic hydrocarbons
 GRO = gasoline range organics
 DRO = diesel range organics
 PCBs = Polychlorinated biphenyls.
 ppm eq = parts per million, equivalent.
 PID = Photoionization detector.
 NA indicates not analyzed.
 NL indicates criterion not listed.

Bold indicates an exceedance of the direct contact pathway RCL (only applies to soils from zero to four feet below ground surface).

Outlined values exceed the groundwater migration pathway RCL.

mg/kg = milligrams per kilogram, equivalent to parts per million.

µg/kg = micrograms per kilogram, equivalent to parts per billion.

Table updated on 7/10/2008.

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Table 1C
Soil Analytical Results - April 2006

Former Triple S Facility 9535
American Drive (Parcel 0080467)
Menasha, WI

Parameter	Sample ID, depth, date								RCL	
	B-1 (3') 4/4/06	B-2 (3') 4/4/06	B-3 (3') 4/4/06	B-3 (6') 4/4/06	B-4 (3') 4/4/07	B-4 (5') 4/4/06	B-5 (3.5') 4/4/06	B-6 (3.5') 4/4/06	Groundwater Pathway	Direct Contact (Industrial)
VOCs (µg/kg)										
Benzene	<27	<32	<27	<29 H	<38	<40 H, P9	<29	<27	5.5 ¹	2,900 ²
Ethylbenzene	<27	<32	<27	<29 H	<38	<40 H, P9	<29	<27	2,900 ¹	13,000,000 ²
Toluene	<27	<32	<27	65 H	<38	210 H, P9	<29	<27	1,500 ¹	57,000,000 ²
Xylenes, total	<92	<110	<93	<99 H	<130	210 H, P9	<88	<82	4,100 ¹	2,000,000 ²
Methyl tert-Butyl Ether	<27	<32	<27	<29 H	<38	<40 H, P9	<29	<27	0.59 ³	720,000 ³
1,2,4-Trimethylbenzene	<27	<32	<27	<29 H	<38	48 H, P9	<29	<27	3,000 ⁴	350,000 ²
1,3,5 Trimethylbenzene	<27	<32	<27	<29 H	<38	<40 H, P9	<29	<27	2,100 ⁴	200,000 ²
Methylene Chloride	<54	<64	<55	<58 H	<77	410 S2, H, P9	NA	NA	NL	NL
Metals (mg/kg)										
Cadmium	<0.11	<0.11	0.14	<0.11	0.75	<0.11			NL	510
Lead	7.4	7	18	12	19	26			NL	500
PAHs (µg/kg)										
Fluoranthene	<11	19	<11	<11	<13	<11	NA	NA	500,000	40,000,000
2-Methylnaphthalene	<27	32	<27	<26	<32	<26			20,000	40,000,000
Phenanthrene	<5.4	15	<5.5	<5.3	<6.4	<5.3			1,800	39,000
Pyrene	<5.4	13	<5.5	<5.3	<6.4	<5.3			8,700,000	30,000,000
PCBs (mg/kg)	ND	ND	ND	ND	ND	ND	NA	NA		
DRO (mg/kg)	<5.6	<5.6	<4.9	5.3	<6.6	<5.3	6.0	8.9	100	NL
GRO (mg/kg)	NA	NA	NA	NA	NA	NA	<5.9	<5.5	100	NL
PID (ppm eq)	0.5	0.4	0.1	0.8	0.0	0.3	0.8	0.8		

Parameter	Sample ID, depth, date							RCL	
	MW-1 (3') 4/5/06	MW-1 (7') 4/5/06	MW-2 (3') 4/4/06	MW-2 (6') 4/4/06	MW-3 (3.5') 4/5/06	MW-4 (2') 4/5/06	MW-5 (3') 4/5/06	Groundwater Pathway	Direct Contact (Industrial)
PVOCs (µg/kg)									
Benzene	<29	<29	<27	<29	<26	<31	<31	5.5 ¹	2,900 ²
Ethylbenzene	<29	1,200	<27	<29	<26	<31	<31	2,900 ¹	13,000,000 ²
Toluene	<29	<29	<27	<29	<26	<31	<31	1,500 ¹	57,000,000 ²
Xylene, total	<86	1,700	<80	<88	<79	<93	<94	4,100 ¹	2,000,000 ²
Methyl tert-Butyl Ether	<29	<29	<27	<29	<26	<31	<31	0.59 ³	720,000 ³
1,2,4 Trimethylbenzene	<29	8,200	<27	<29	<26	<31	<31	3,000 ⁴	350,000 ²
1,3,5 Trimethylbenzene	<29	2,100	<27	<29	<26	<31	<31	2,100 ⁴	200,000 ²
DRO (mg/kg)	23	43	38	36	<5.2	<5.7	<5.7	100	NL
GRO (mg/kg)	<5.7	160	<5.4	<5.8	<5.3	<6.2	<6.3	100	NL
PID (ppm eq)	0.7	325	0.8	1.2	3.1	1.5	1.6		

Notes:

PVOCs = petroleum volatile organic compounds

PAHs = polynuclear aromatic hydrocarbons

GRO = gasoline range organics

DRO = diesel range organics

PCBs = Polychlorinated biphenyls.

VOCs = volatile organic compounds

NA = Not analyzed.

ND = Parameters within a suite (class) of compounds not detected above reporting limit.

NL = Criterion not listed.

H = Laboratory flag indicating sample analysis performed past method-specified holding time.

S2 = Laboratory flag indicating compound is a common lab solvent and contaminant.

P9 = Laboratory flag indicating amount of sample in the container was outside the acceptable range as stated in the method.

1 = RCLs (Residual Contaminant Levels) as defined in NR 720 (VOCs) or interim guidance (PAHs) for industrial sites.

2 = Wisconsin Administrative Code NR ch. 720.19 Residual Contaminant Level for soils in industrial areas (direct contact route) as calculated using EPA soil screening guidance using the Wisconsin Department of Natural Resource default values, the lowest of all direct contact pathways (inhalation of VOCs, inhalation of fugitive dust, and ingestion) is listed as the direct contact value.

3 = EPA Region III RBC Table 4/6/2007 (no toxicity data available from the EPA SSL calculation website).

4 = Wisconsin Administrative Code NR ch. 720.19 Residual Contaminant Level for protection of groundwater as calculated using EPA soil screening guidance using the Wisconsin Department of Natural Resource default values.

Bold = direct contact exceedance (only applies to soils from zero to four feet below ground surface).

Outlined = groundwater pathway exceedance.

mg/kg = milligrams per kilogram, equivalent to parts per million.

µg/kg = micrograms per kilogram, equivalent to parts per billion.

Table updated on 7/10/2008.

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Table 1D
Soil Analytical Results - December 2007

Former Triple S Facility 9535

American Drive (Parcel 0080467)
Menasha, WI

Parameter	Sample ID, depth, date	RCL	
	MW-6 (4') 12/13/07	Groundwater Pathway	Direct Contact
VOCs ($\mu\text{g}/\text{kg}$)	ND	--	--
PID (ppmv)	7.6	--	--

Notes:

VOCs = Volatile organic compounds (analyzed by EPA Method 8260B).

PID = Photo-ionization detector.

ND = Parameters within a suite (class) of compounds not detected above the minimum reporting level.

RCL = Generic Residual Contaminant Levels as defined in NR 720.

$\mu\text{g}/\text{kg}$ = Micrograms per kilogram, equivalent to parts per billion.

ppmv = Parts per million of air volume.

Table updated on 7/10/2008.

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