

GIS REGISTRY

Cover Sheet

May, 2009
(RR 5367)

Source Property Information

BRRTS #: 02-29-551302

CLOSURE DATE: Mar 30, 2010

ACTIVITY NAME: Kastner Garage Former

FID #: 729071090

PROPERTY ADDRESS: 319 Prairie St

DATCP #:

MUNICIPALITY: Mauston

COMM #:

PARCEL ID #: 29-251-913

*WTM COORDINATES:

WTM COORDINATES REPRESENT:

X: 514040 Y: 369110

Approximate Center Of Contaminant Source

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

Approximate Source Parcel Center

Please check as appropriate: (BRRTS Action Code)

Contaminated Media:

Groundwater Contamination > ES (236)

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

Contamination in ROW

Contamination in ROW

Off-Source Contamination

Off-Source Contamination

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

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

Land Use Controls:

N/A (Not Applicable)

Cover or Barrier (222)

Soil: maintain industrial zoning (220)

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

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

Vapor Mitigation (226)

Structural Impediment (224)

Maintain Liability Exemption (230)

Site Specific Condition (228)

*(note: local government or economic
development corporation)*

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 #: 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 #: **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: Soil Boring and Monitoring Well Location Map**
 - Soil Contamination Contour Map:** For sites closing with residual soil contamination, this map is to show the location of all contaminated soil and a single contour showing the horizontal extent of each area of contiguous residual soil contamination that exceeds a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Level (SSRCL) as determined under s. NR 720.09, 720.11 and 720.19.
Figure #: 4 **Title: Extent of Remedial Excavation**

BRRTS #: 02-29-551302

ACTIVITY NAME: Kastner Garage Former

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 #: 8 **Title: Geologic Cross Section A-A'**

Figure #: **Title:**

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

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

Figure #: 10 **Title: Approximate Extent of Groundwater Contamination**

- 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 #: 6 **Title: Groundwater Flow Direction**

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 #: 6-7 **Title: Post Excavation Soil Data**

- 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 #: 4-5 **Title: Groundwater Sample Laboratory Results**

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

Table #: 4 **Title: Groundwater Sample Laboratory Results**

IMPROPERLY ABANDONED MONITORING WELLS

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

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

- Not Applicable**

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

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

Figure #: **Title:**

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

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

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

BRRTS #: 02-29-551302

ACTIVITY NAME: Kastner Garage Former

NOTIFICATIONS

Source Property

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

Off-Source Property

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

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



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Matthew J. Frank, Secretary
Scott Humrickhouse, Regional Director

Wisconsin Rapids Service Center
473 Griffith Avenue
Wisconsin Rapids, Wisconsin 54494
Telephone 715-421-7800
FAX 715-421-7830
TTY Access via relay - 711

March 30, 2010

Brian Yerges
City Administrator
303 Mansion St.
Mauston, WI 53948

SUBJECT: Final Case Closure
Kastner Property, 319 Prairie St., Mauston, WI
WDNR BRRTS Activity #: 02-29-551302

Dear Mr. Yerges:

On March 11, 2006, the Wisconsin Department of Natural Resources reviewed your request for closure of the case described above. The West 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 March 16, 2010, you were notified that the Closure Committee had granted conditional closure to this case.

On March 26, 2010, the Department received information or documentation indicating that you have complied with the requirements for final closure. The only condition of closure was monitoring well abandonment.

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.

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

GIS Registry

The conditions of case closure set out below in this letter require that this site be listed on the Remediation and Redevelopment Program's GIS Registry. The specific reasons are summarized below:

- Groundwater contamination is present above Chapter NR 140 enforcement standards

This letter and information that was submitted with your closure request application will be included on the GIS Registry. To review the sites on the GIS Registry web page, visit the RR Sites Map page at: <http://dnr.wi.gov/org/aw/rr/gis/index.htm>. If the property is listed on the GIS Registry because of remaining contamination and you intend to construct or reconstruct a well, you will need prior

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

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 <http://dnr.wi.gov/org/aw/rr/gis/index.htm>.

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/www/>

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 (715) 421-7873.

Sincerely,



David Rozeboom
Hydrogeologist
Bureau for Remediation & Redevelopment

cc: Kevin Olson, MSA, 1230 South Boulevard, Baraboo, WI 53913



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Matthew J. Frank, Secretary
Scott Humrickhouse, Regional Director

Wisconsin Rapids Service Center
473 Griffith Avenue
Wisconsin Rapids, Wisconsin 54494
Telephone 715-421-7800
FAX 715-421-7830
TTY Access via relay - 711

March 16, 2010

Brian Yerges
City Administrator
303 Mansion St.
Mauston, WI 53948

Subject: Conditional Closure Decision,
With Requirements to Achieve Final Closure
Kastner Property, 319 Prairie St., Mauston, Wisconsin
WDNR BRRTS Activity # 02-29-551302

Dear Mr. Yerges:

On March 11, 2010, the Wisconsin Department of Natural Resources reviewed your request for closure of the case described above. The West 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 contamination on the site appears to have been investigated and remediated to the extent practicable under site conditions. Your case has been remediated to Department standards in accordance with s. NR 726.05, Wis. Adm. Code and will be closed if the following conditions are satisfied:

The monitoring well (P-12) 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.

When the above conditions have been satisfied, please submit the appropriate documentation (for example, well abandonment forms, disposal receipts, copies of correspondence, etc.) to verify that applicable conditions have 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>.

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

We appreciate your efforts to restore the environment at this site. If you have any questions regarding this letter, please contact me at (715) 421-7873.

Sincerely,

A handwritten signature in black ink that reads "Dave Rozeboom". The signature is written in a cursive style with a large, prominent "D" at the beginning.

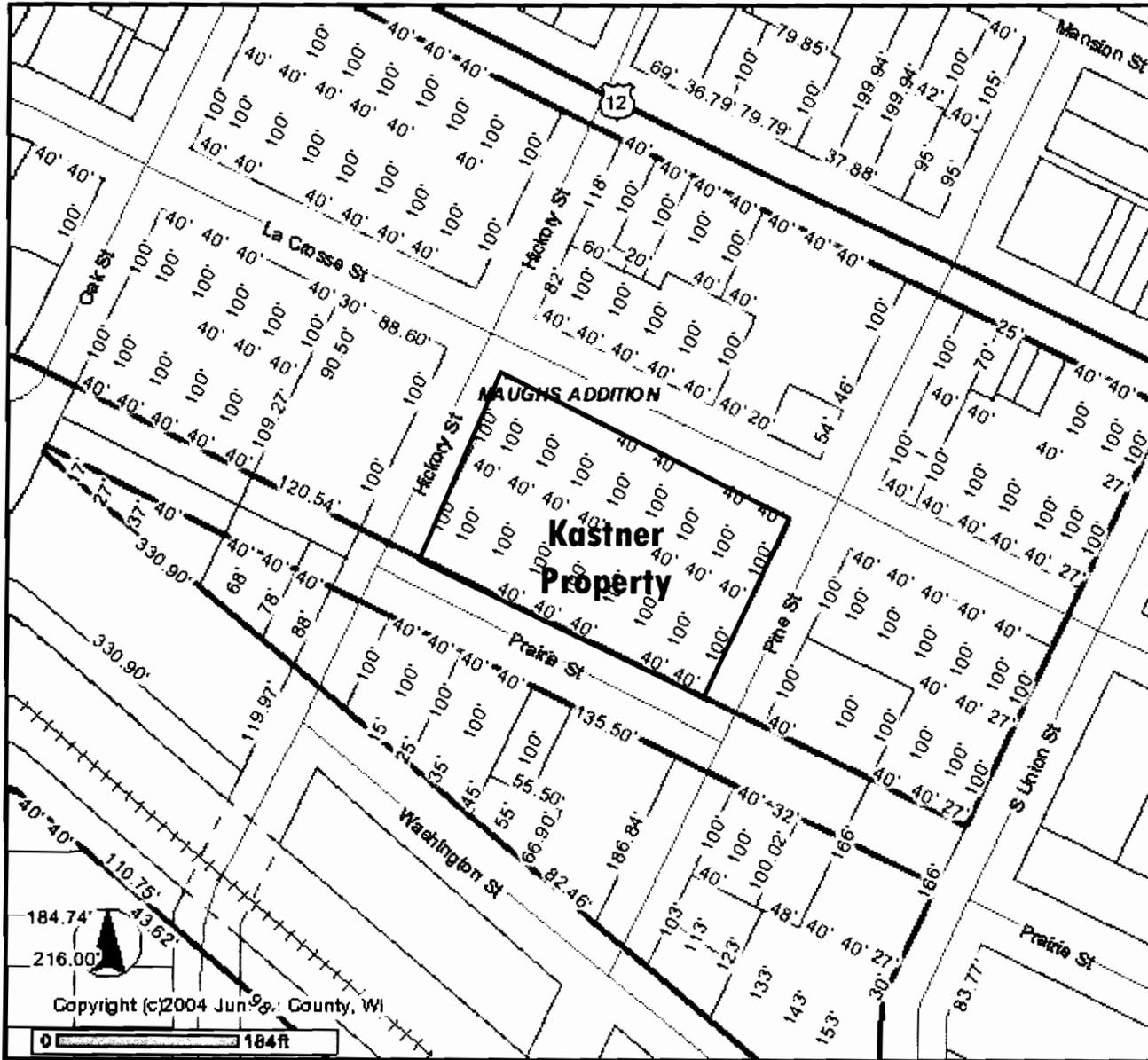
Dave Rozeboom
Hydrogeologist
Bureau for Remediation & Redevelopment

Enclosure

cc: Kevin Olson, MSA, 1230 South Boulevard, Baraboo, WI 53913

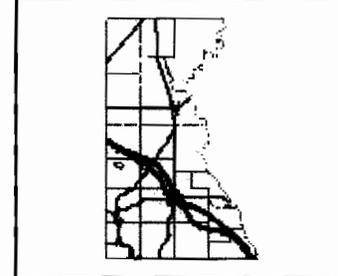
Kastner Property

Print Close



Legend

- Lot Dimensions
- Railroads
- Major Roads
- County Roads
- State Roads
- US Highways
- Interstate Highways
- ROW
- Local Roads
- Unknown
- Town Roads
- Parcels
- Subdivisions
- Streams

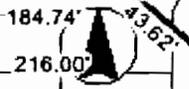


Worth a Closer Look

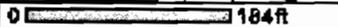
DISCLAIMER

The maps, locations, bearings, and measurements depicted on this map are produced as a service to assist property owners and users. However, this information is not guaranteed to be accurate and shall not be used in lieu of a properly conducted survey of the property. Juneau County assumes no liability for the accuracy of this map and information. You are on notice that you should report any errors found to Juneau County immediately. CONTACT THE JUNEAU COUNTY LAND INFORMATION OFFICE WITH ANY QUESTIONS OR PROBLEMS (608) 847-9446/(608) 847-9457.

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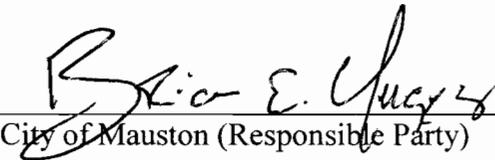


**RESPONSIBLE PARTY AFFIRMATION OF PROPERTY DESCRIPTIONS
KASTNER PROPERTY
319 PRAIRIE STREET, BARABOO, WI**

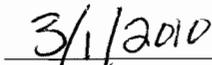
The following affirmation by the responsible party is required by Wisconsin Administrative Code, ch. NR 726.05 paragraph (3)(b)4.f.

I hereby affirm the following:

1. I believe that legal descriptions for all of the properties within or partially within the contaminated site's boundaries that have soil contamination exceeding generic residual contaminant levels as determined under ss. NR 720.09, 720.11 and 720.19, and/or groundwater contamination exceeding the enforcement standards as determined under ss. NR 140 at the time that case closure was requested, other than public street or highway rights-of-way or railroad rights-of-way, have been submitted to the agency with administrative authority for the site, either as an attachment to the site investigation report or as part of the groundwater GIS registry attachment to the case close out report.

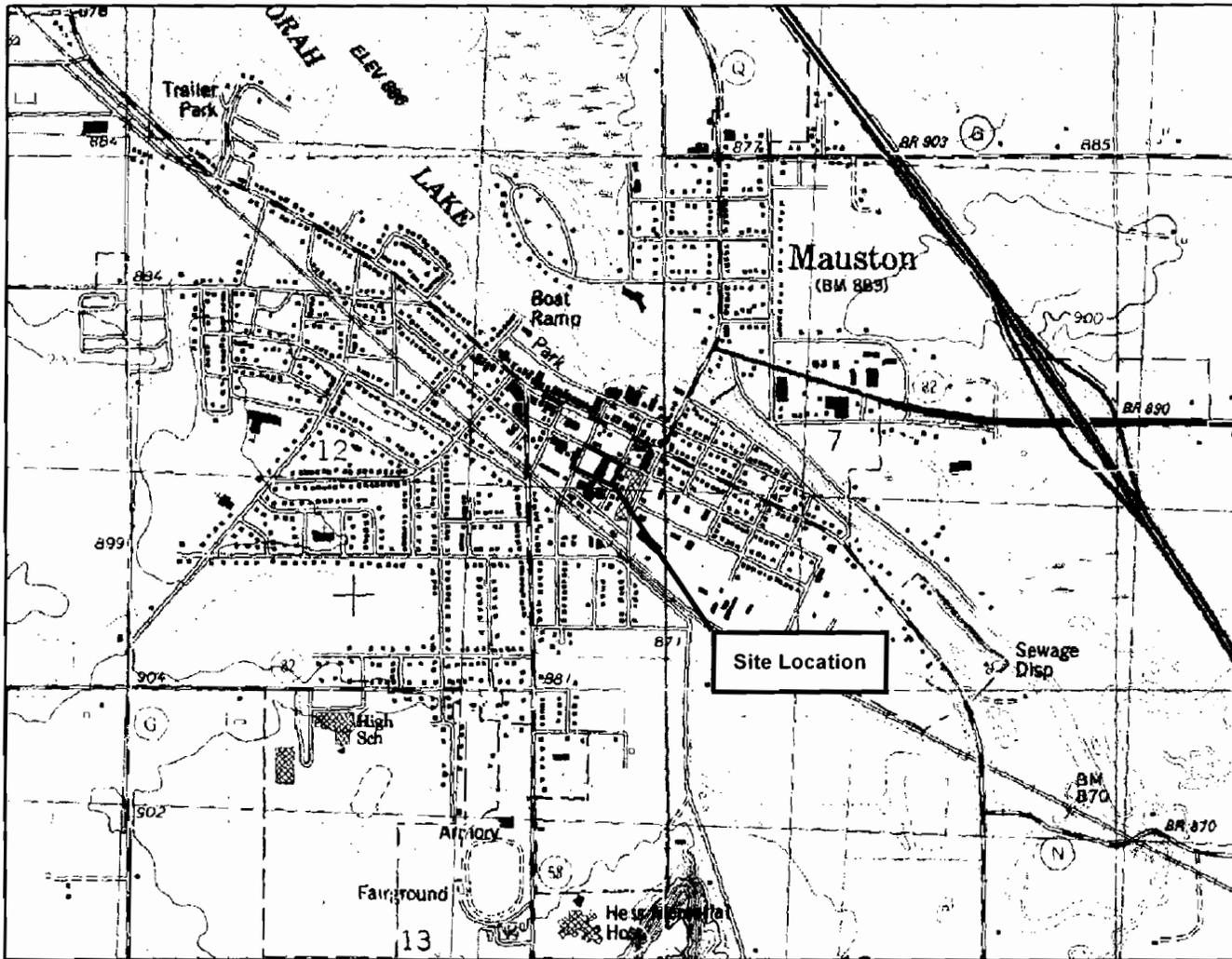


City of Mauston (Responsible Party)



(Date)

Site Location Map, Kastner Property, Mauston, WI



- Legend**
- County Boundaries
 - Civil Towns
 - Civil Town
 - DNR Managed Lands
 - Fee

0 2000 4000 6000 ft.



Scale: 1:20,000

This map is a user generated static output from an Internet mapping site and is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. THIS MAP IS NOT TO BE USED FOR NAVIGATION.

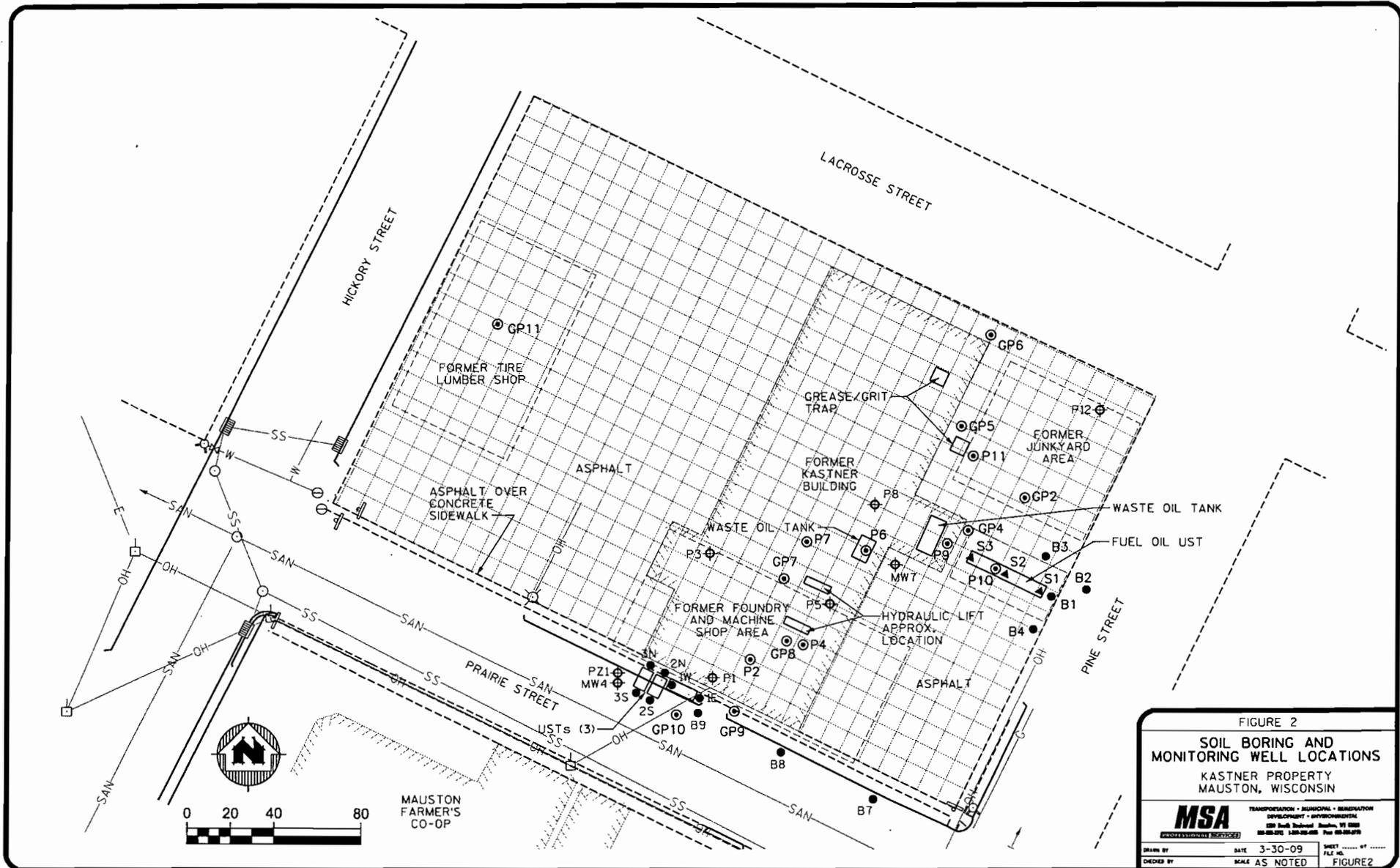


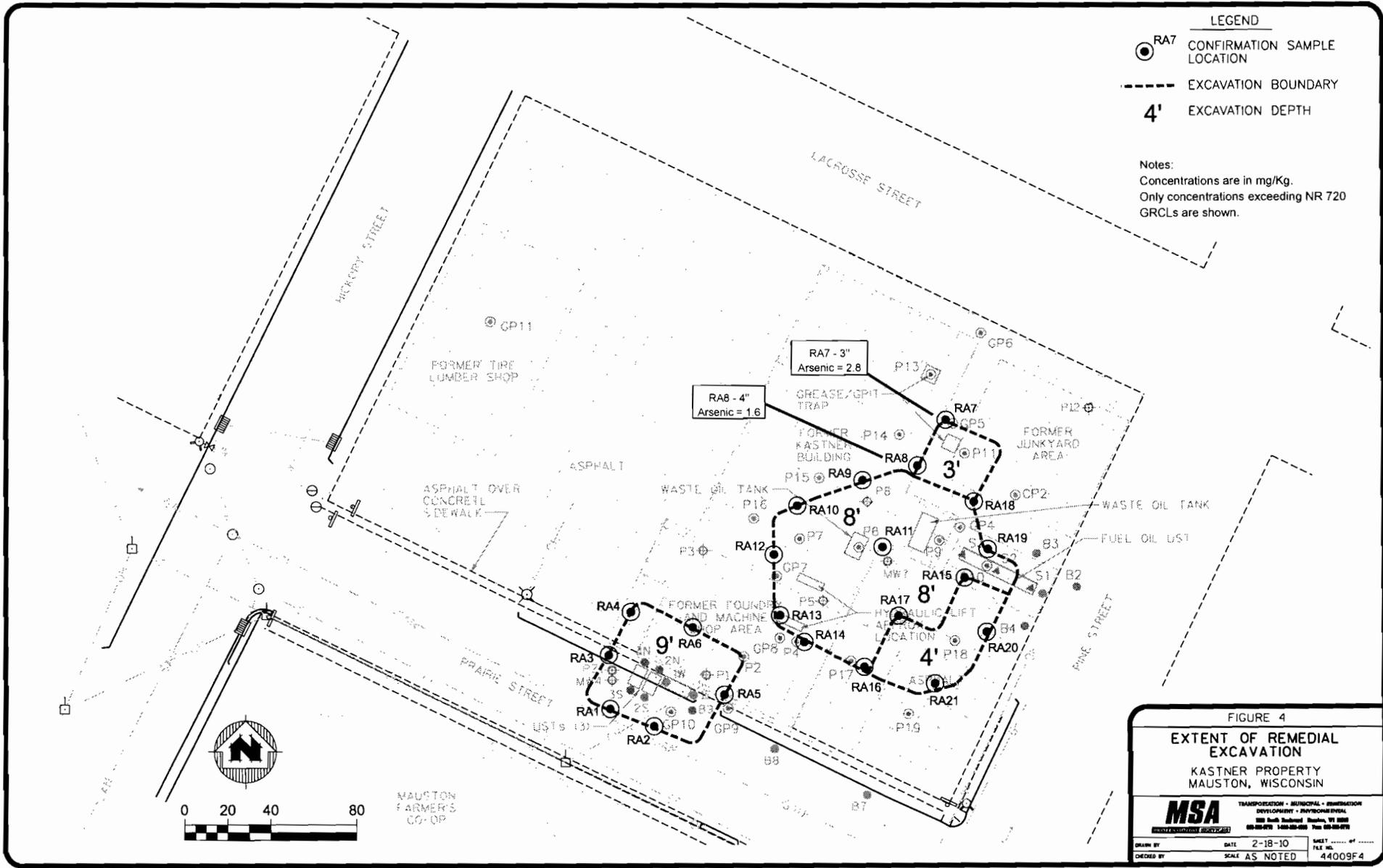
FIGURE 2
**SOIL BORING AND
 MONITORING WELL LOCATIONS**
 KASTNER PROPERTY
 MAUSTON, WISCONSIN

MSA
PROFESSIONAL SERVICES

TRANSPORTATION • MUNICIPAL • RECREATION
 DEVELOPMENT • ENVIRONMENTAL
 225 East Industrial Avenue, ST JOSEPH
 MISSOURI 64504-1400 Fax 816-233-4000

DRAWN BY _____ DATE 3-30-09 SHEET _____ OF _____
 CHECKED BY _____ SCALE AS NOTED FILE NO. FIGURE2

M051444003caddfigure2.dgn May 13, 2009 CRooyak



LEGEND

- RA7 CONFIRMATION SAMPLE LOCATION
- - - EXCAVATION BOUNDARY
- 4' EXCAVATION DEPTH

Notes:
 Concentrations are in mg/Kg.
 Only concentrations exceeding NR 720 GRCLs are shown.

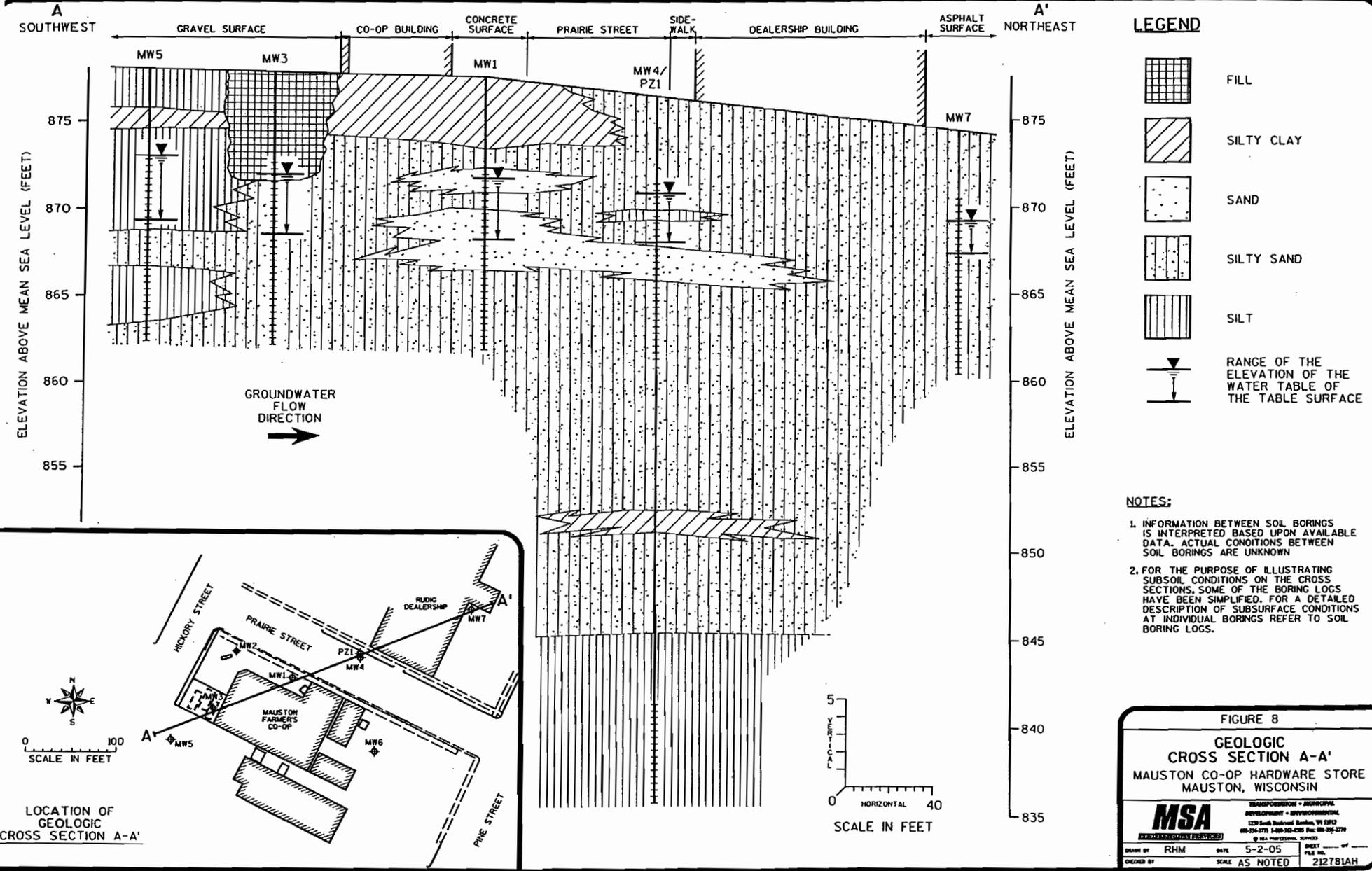
FIGURE 4

EXTENT OF REMEDIAL EXCAVATION

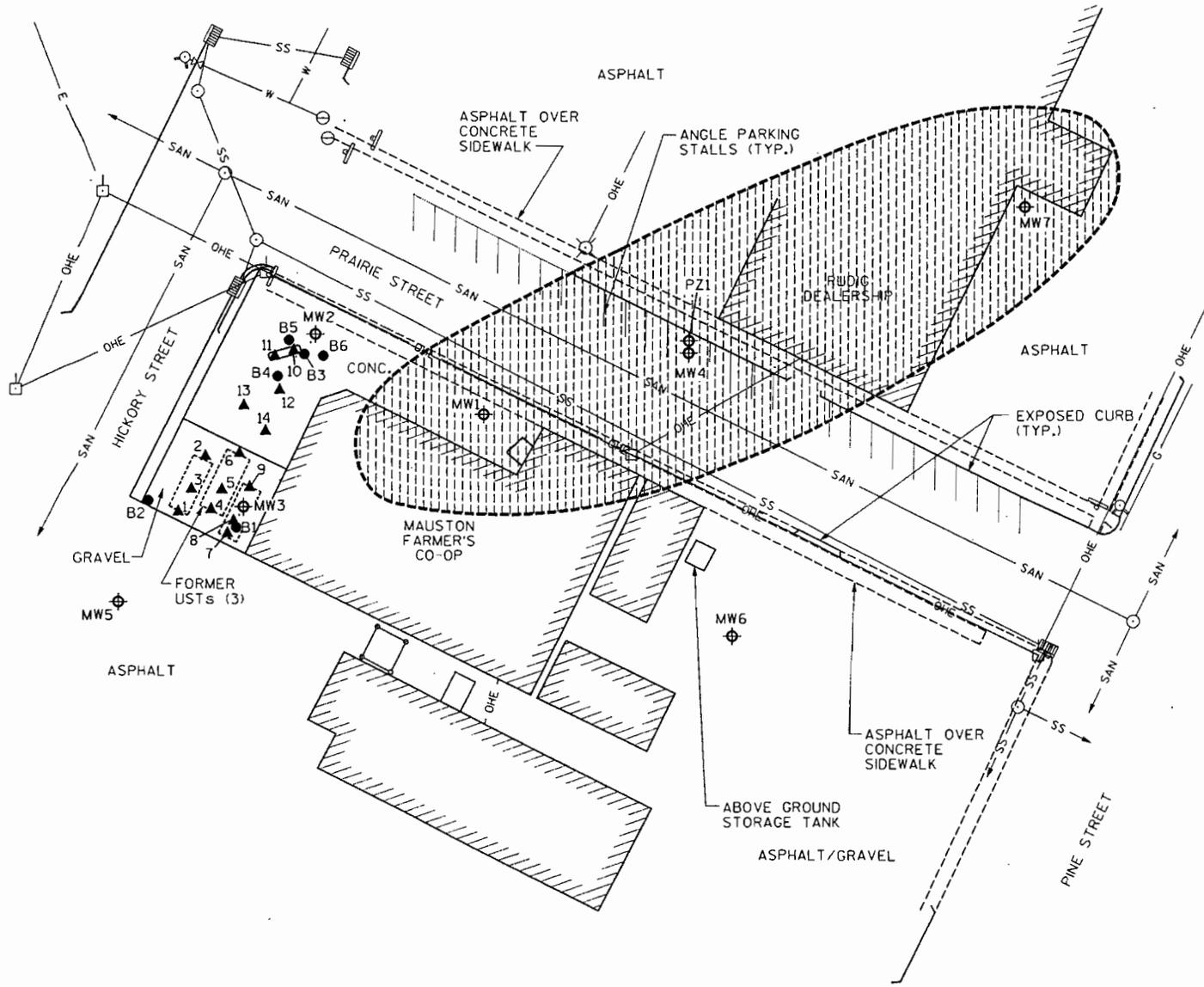
KASTNER PROPERTY
 MAUSTON, WISCONSIN

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CHECKED BY	SCALE	AS NOTED	FILE NO.	44009F4



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LEGEND

- ⊕ MONITORING WELL
- SOIL BORING
- ▲ TANK CLOSURE ASSESSMENT SOIL SAMPLE

○ (with hatching) APPROXIMATE EXTENT OF GROUNDWATER CONTAMINATION EXCEEDING NR 140 ENFORCEMENT STANDARDS AS OF FEBRUARY 10, 2004

NOTE:
FOR ADDITIONAL NOTES AND LEGEND, REFER TO FIGURE 2.



40 0 40
SCALE IN FEET

FIGURE 10
APPROXIMATE EXTENT OF GROUNDWATER CONTAMINATION EXCEEDING NR 140 ENFORCEMENT STANDARDS AS OF FEBRUARY 10, 2004
MAUSTON CO-OP HARDWARE STORE
MAUSTON, WISCONSIN

MSA TRANSPORTATION • MUNICIPAL • RECREATION
DEVELOPMENT • ENVIRONMENTAL
300 South Broadway, Baraboo, WI 53003
608-338-4771 1-800-485-4772 Fax: 608-338-4772

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CHECKED BY		SCALE	AS NOTED	FILE NO.	212781AK

MSA
 5/2/05
 212781AK

Table 6
Post - Excavation Soil Data - VOCs & Metals
Kastner Block, Mauston, WI

Location	Depth Interval (feet)	Date	GRO	VOCs								Metals				
				Benzene	Ethyl-benzene	Methyl-tert-butyl ether	Toluene	1,2,4- Tri-methyl-benzene	1,3,5- Tri-methyl-benzene	M&P Xylene	O Xylene	Naphthalene	Lead	Arsenic	Cadmium	Chromium
NR 746 Table 1 (Indicative of Residual Product)				8.5	4.6		38	83	11	42*	42*					
NR 746 Table 2 (Direct contact)				1.10												
NR 720 GRCL				0.0055	2.9		1.5			4.1*	4.1*					
Groundwater Pathway GRCL												0.4				
NR720.11(5) Non-Industrial/Industrial												50/500	0.039/1.6	8/510	16000	
RA-1	4-5	14-Oct-09	<1.3	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025					
RA-2	4-5	14-Oct-09	<1.4	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025					
RA-3	4-5	14-Oct-09	<1.4	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025					
RA-4	4-5	14-Oct-09	<1.5	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025					
RA-5	4-5	14-Oct-09	<1.4	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025					
RA-6	4-5	14-Oct-09	<1.4	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025					
RA-7	3	16-Oct-09										2.8	2.8	2.8	2.8	
RA-8	4	16-Oct-09										1.6	1.6	1.6	1.6	
RA-9	5	16-Oct-09										1.8	1.8	1.8	1.8	
RA-10	5	16-Oct-09										3.6	3.6	3.6	3.6	
RA-11	4	19-Oct-09		<0.0081	0.097	<0.0081	<0.01	1.4	0.43	0.39	0.064	0.49	39.5	0.59	0.091	9.5

All soil concentrations are in mg/Kg (parts per million).

Italicized font is used when the sampled soil was subsequently removed by excavation, therefore sample is not representative of remaining residual contamination

VOCs without standards may not be included in Table, Check Lab Report for a complete list of sample results.

Depths are in feet below ground surface at the time of soil sample collection.

Blank cells indicate parameter was not analyzed.

* = concentration is for total xylenes.

Values in BOLD exceed a GRCL or a NR 746 Table 1 or Table 2 value.

Table 7
Post - Excavation PAH Soil Analytical Results
Kastner Block, Mauston, WI

Location	Depth Interval (feet)	Date	1-Methyl naphthalene	2-Methyl naphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benzo (a) anthracene	Benzo(a) pyrene	Benzo(b) fluoranthene	Benzo (ghi) perylene	Benzo(k) fluoranthene	Chrysene	Dibenzo (a,h) anthracene	Fluoranthene	Fluorene	Indeno (123 cd) pyrene	Naphthalene	Phenanthrene	Pyrene		
WDNR Guidance Groundwater Pathway RCL							3,000	17	48	360	6800	870	37		500	600	600	1.8	8,700			
WDNR Guidance Non-Industrial Direct Contact							5,000	0.088	0.0088	0.088	1.8	0.88	8.8		600	0.088						
WDNR Guidance Industrial Direct Contact							300,000	3.9	0.39	3.9	39	390			40,000	3.9					390	30,000
Region 3 EPA Risk Tables - Residential Soil							17,000	0.15	0.015	0.15		1.5	15			2,300		0.15			1,700	
Region 3 EPA Risk Tables - Industrial Soil							170,000	2.1	0.21	2.1		21	210			22,000		2.1			17,000	
RA-8	4	16-Oct-09	< 0.018	< 0.018	< 0.015	< 0.017	< 0.0036	<0.0012	< 0.0012	< 0.0012	<0.0036	<0.0024	<0.0036	<0.0036	<0.0012	< 0.0071	< 0.0024	< 0.021	<0.0036	< 0.0036		
RA-9	5	16-Oct-09	< 0.018	< 0.018	< 0.015	< 0.016	< 0.0035	<0.0012	< 0.0012	< 0.0012	<0.0035	<0.0023	<0.0035	<0.0035	<0.0012	< 0.0070	< 0.0023	< 0.021	<0.0035	< 0.0035		
RA-10	5	16-Oct-09	< 0.018	< 0.018	< 0.016	< 0.017	< 0.0037	<0.0012	< 0.0012	< 0.0012	<0.0037	<0.0024	<0.0037	<0.0037	<0.0012	< 0.0073	< 0.0024	< 0.022	<0.0037	< 0.0037		
RA-11	5	19-Oct-09	0.3	0.89	<0.076	<0.082	0.11	0.27	0.32	<0.0059	0.2	0.18	<0.018	<0.018	0.84	0.036	0.23	1.3	0.51	0.43		
RA-12	5	20-Oct-09	<0.019	<0.019	<0.016	<0.018	<0.0038	<0.041	<0.0013	<0.0013	<0.0038	0.12	0.05	0.21	<0.0013	<0.0075	<0.0025	<0.023	<0.0038	<0.0038		
RA-13	5	20-Oct-09	< 0.017	< 0.017	< 0.015	< 0.016	< 0.0035	< 0.0012	< 0.0012	< 0.0012	< 0.0035	< 0.0023	< 0.0035	< 0.0035	< 0.0012	< 0.0069	< 0.0023	< 0.021	<0.0035	< 0.0035		
RA-14	5	20-Oct-09	< 0.017	< 0.017	< 0.014	< 0.016	< 0.0033	< 0.0011	< 0.0011	< 0.0011	< 0.0033	< 0.0022	< 0.0033	< 0.0033	< 0.0011	< 0.0067	< 0.0022	< 0.02	<0.0033	< 0.0033		
RA-15	5	20-Oct-09	< 0.017	< 0.017	< 0.015	< 0.016	< 0.0034	< 0.0011	< 0.0011	< 0.0011	< 0.0034	< 0.0023	< 0.0034	< 0.0034	< 0.0011	< 0.0068	< 0.0023	< 0.02	<0.0034	< 0.0034		
RA-16	5	21-Oct-09	0.19	< 0.018	< 0.015	< 0.017	< 0.0035	< 0.0012	< 0.0012	< 0.0012	< 0.0035	< 0.0024	< 0.0035	< 0.0035	< 0.0012	< 0.0071	< 0.0024	< 0.021	<0.0035	0.016		
RA-17	5	21-Oct-09	< 0.018	< 0.018	< 0.015	< 0.016	< 0.0035	< 0.0012	< 0.0012	< 0.0012	< 0.0035	< 0.0023	< 0.0035	< 0.0035	< 0.0012	< 0.0070	< 0.0023	< 0.021	<0.0035	< 0.0035		
RA-18	4	21-Oct-09	< 0.018	< 0.018	< 0.016	< 0.017	< 0.0036	0.0088	< 0.0012	0.0090	< 0.0036	0.023	0.027	< 0.0036	< 0.0012	< 0.0072	< 0.0024	< 0.022	<0.0036	< 0.0036		
RA-19	4	21-Oct-09	< 0.016	< 0.016	< 0.014	< 0.015	< 0.0032	< 0.0011	< 0.0011	< 0.0011	< 0.0032	< 0.0021	< 0.0032	< 0.0032	< 0.0011	< 0.0064	< 0.0021	< 0.019	<0.0032	< 0.0032		
RA-20	2	21-Oct-09	< 0.016	< 0.016	< 0.014	< 0.015	< 0.0032	< 0.0011	0.0027	0.0065	< 0.0032	< 0.0022	0.011	< 0.0032	0.0061	< 0.0065	< 0.0022	< 0.019	< 0.0032	< 0.0032		
RA-21	2	21-Oct-09	< 0.016	< 0.016	< 0.014	< 0.015	< 0.0032	< 0.0011	< 0.0011	0.0044	< 0.0032	< 0.0021	< 0.0032	< 0.0032	< 0.0011	< 0.0063	< 0.0021	< 0.019	< 0.0032	< 0.0032		

All soil concentrations are in mg/Kg (parts per million).

Italicized font is used when the sampled soil was subsequently removed by excavation, therefore sample is not representative of remaining residual contamination

Depths are in feet below ground surface at the time of soil sample collection.

Blank cells indicate parameter was not analyzed.

* = concentration is for total xylenes.

Values in Bold exceed DNR Guidance Levels or Region 3 EPA Table Values

NA = Not applicable

**Table 4
Groundwater Sample Laboratory Results
Kastner Block, Mauston, WI**

	Benzene	Dichloro difluoro methane	1,1 Dichloro ethane	cis 1,2 Dichloro ethene	Tetra chloro ethene	Toluene	Ethyl- benzene	Total Xylenes	Total Tri- methyl- benzenes	Methyl- tert-butyl- ether	Naph- thalene	Other VOC	Arsenic	Cadmium	Chromium	Lead	Water Level
Units	ug/L					ug/L	ug/L	ug/L	ug/L	ug/L	ug/L		ug/L	ug/L	ug/L	ug/L	MSL
NR 140 PAL	0.5	200	85	7	0.5	200	140	1000	96	12	10		1	0.5	10	1.5	
NR 140 ES	5	1000	850	70	5	1000	700	10000	480	60	100		10	5	100	15	
B-1 (Geoprobe) 28-Dec-99	< 0.10					0.2	0.3	0.3	3.6	< 1.1	76	none					
B-2 (Geoprobe) 28-Dec-99	< 0.10					< 0.10	< 0.10	< 0.30	< 0.50	< 1.1	< 0.70	none					
B-3 (Geoprobe) 28-Dec-99	< 0.10					< 0.10	< 0.10	< 0.30	< 0.50	< 1.1	< 0.70	none					
B-4 (Geoprobe) 28-Dec-99	< 0.10					< 0.10	< 0.10	< 0.30	< 0.50	< 1.1	< 0.70	none					
GP-7 (Geoprobe) 15-Dec-00	1.6					8.1	19	132	194	< 5.5	78	none					
GP-9 (Geoprobe) 15-Dec-00	77					69	40	153	35.5	20	12	none					
B-7 (Geoprobe) 14-Sep-05	< 0.40					< 0.40	< 0.40	< 0.80	< 0.40	< 0.40							
B-8 (Geoprobe) 14-Sep-05	< 0.40					< 0.40	< 0.40	< 0.80	< 0.40	< 0.40							
B-9 (Geoprobe) 14-Sep-05	1000					3300	2000	9000	2410	< 40							
P-1 (Temp) 2-Jul-08	1500					7600	1100	5400	1410	46							
P-3 (Temp) 2-Jul-08													1	< 0.30	8.7	36.7	
P-5 (Temp) 2-Jul-08	6.1	0.46		0.53		37	10	58	22	< 0.23	14	none					
P-8 (Temp) 2-Jul-08	12	< 0.40	0.88	2.4	0.68	< 0.20	< 0.28	< 0.50	2.8	< 0.23	2	none					
P-12 (Temp) 2-Jul-08												none	9.8	< 0.30	16.3	40.3	

**Table 4
Groundwater Sample Laboratory Results
Kastner Block, Mauston, WI**

	Dichloro difluoro methane	1,1 Dichloro ethane	cis 1,2 Dichloro ethene	Tetra chloro ethene	Toluene	Ethyl- benzene	Total Xylenes	Total Tri- methyl- benzenes	Methyl- tert-butyl- ether	Naph- thalene	Other VOC	Arsenic	Cadmium	Chromium	Lead	Water Level
Units	ug/L					ug/L					ug/L	ug/L	ug/L	ug/L	MSL	
NR 140 PAL	0.5	200	85	7	0.5	200	140	1000	96	12	10	1	0.5	10	1.5	
NR 140 ES	5	1000	850	70	5	1000	700	10000	480	60	100	10	5	100	15	
MW-4																
30-Aug-00						1	1.8	5.5	12.5	34						869.31
3-Nov-00	58					29	2.6	150	36.1	76	<i>11</i>					868.70
20-Mar-01	170					93	5.9	660	172	85	<i>57</i>					869.28
22-Jun-01	67					32	3.9	240	59.5	28	<i>19</i>					870.90
19-Sep-01	250					110	< 4.0	770	255	45	<i>74</i>					869.75
10-Dec-01	240					62	< 0.40	320	209	91	<i>87</i>					869.55
12-Jul-02	99					13	2.4	60	59	17	<i>35</i>					869.90
15-Oct-02	110					18	2.9	63	71.9	14	<i>53</i>					869.16
24-Jan-03	24					0.72	1.3	4.9	8.3	3.5	<i>4.4</i>					868.58
22-Apr-03	100					12	< 2.0	26	27.9	12	<i>47</i>					869.12
12-Aug-03	< 0.30					1	5.3	13.7	47.2	< 0.30	<i>4.5</i>					868.92
14-Oct-03	< 0.30					1.1	5.3	13.6	24.8	< 0.30	<i>2.5</i>					868.48
10-Feb-04	9.4					1	0.63	2.36	3.56	0.77	<i>3.3</i>					868.14
MW-7																
12-Jul-02	1.7					2.9	11	44	34.7	< 0.40	<i>36</i>					869.90
15-Oct-02	1.1					1.4	6.3	11.2	27.5	< 0.40	<i>40</i>					869.16
24-Jan-03	12					5.4	14	22	19.2	< 0.40	<i>45</i>					868.58
22-Apr-03	1.2					1.5	5.8	10.6	13.3	< 0.30	<i>40</i>					869.12
12-Aug-03	2					2.2	13	30	76	< 0.30	<i>78</i>					868.92
14-Oct-03	3.3					3.8	18	42	67	< 0.30	<i>5.6</i>					868.48
10-Feb-04	19					9.7	30	104	86	< 1.5	100					868.14
PZ-1																
30-Aug-00	< 0.50					< 0.50	< 0.50	< 1.0	< 0.50	< 0.40	< 1					869.33
3-Nov-00	< 0.40					< 0.40	< 0.40	< 0.70	< 0.40	< 0.40	< 1					868.73
20-Mar-01	< 0.40					< 0.40	< 0.40	< 0.70	< 0.40	< 0.40	< 1					869.57
22-Jun-01	< 0.40					< 0.40	< 0.40	< 0.70	< 0.40	< 0.40	< 1					871.90
19-Sep-01	< 0.40					< 0.40	< 0.40	< 0.70	< 0.40	< 0.40	< 1					869.94
10-Dec-01	< 0.40					< 0.40	< 0.40	< 0.90	< 0.50	< 0.40	< 1.3					869.70
12-Jul-02	< 0.40					< 0.40	< 0.40	< 0.90	< 0.50	< 0.40	< 1.3					869.94
15-Oct-02	< 0.40					< 0.40	< 0.40	< 0.90	< 0.50	< 0.40	< 1.3					869.10

PAL = Wisconsin Administrative Code NR 140 preventive action limit

ES = Wisconsin Administrative Code NR 140 enforcement standard

MSL = mean sea level

Values in BOLD exceed NR 140 ES

Values in Italics exceed NR 140 PALs

Table 5
Groundwater Sample Laboratory Results
Kastner Block, Mauston, WI

Location	Date	1-Methyl naphtha lene	2-Methyl naphtha lene	Acenaph thene	Acenaph thylene	Anthra cene	Benzo (a) anthra cene	Benzo(a) pyrene	Benzo(b) fluor anthene	Benzo (ghi) perylene	Benzo(k) fluor anthene	Chrysene	Dibenzo (a,h) anth racene	Fluor anthene	Fluorene	Indeno (123 cd) pyrene	Naphtha lene	Phen anthrene	Pyrene
NR 140 PAL						600		0.02	0.02			0.02		80	80		10		50
NR 140 ES						3000		0.2	0.2			0.2		400	400		100		250
B-1	28-Dec-99	< 0.18	< 0.20	< 0.15	< 0.16	< 0.036	< 0.0046	< 0.012	< 0.0095	< 0.027	< 0.0099	< 0.037	< 0.12	< 0.0055	< 0.080	< 0.027	< 0.16	< 0.098	< 0.033
B-2	28-Dec-99	< 0.17	< 0.19	< 0.15	< 0.16	< 0.035	< 0.0045	< 0.012	< 0.0092	< 0.026	< 0.0096	< 0.036	< 0.12	< 0.0053	< 0.078	< 0.026	< 0.16	< 0.095	< 0.032
B-3	28-Dec-99	< 0.17	< 0.19	< 0.15	< 0.16	< 0.035	< 0.0045	< 0.012	< 0.0092	< 0.026	< 0.0096	< 0.036	< 0.12	< 0.0053	< 0.078	< 0.026	< 0.16	< 0.095	< 0.032
B-4	28-Dec-99	< 0.18	< 0.19	< 0.15	< 0.16	< 0.035	< 0.0045	< 0.012	< 0.0092	< 0.026	< 0.0096	< 0.036	< 0.12	< 0.0053	< 0.078	< 0.026	< 0.16	< 0.095	< 0.032
P-3	2-Jul-08	< 0.17	< 0.17	< 0.16	< 0.13	< 0.060	< 0.010	< 0.030	< 0.020	< 0.020	< 0.020	< 0.040	< 0.030	< 0.010	< 0.10	< 0.030	< 0.22	< 0.030	< 0.050
P-5	2-Jul-08	< 0.17	< 0.17	< 0.16	< 0.13	< 0.060	< 0.010	< 0.030	< 0.020	< 0.020	< 0.020	< 0.040	< 0.030	< 0.010	< 0.10	< 0.030	< 0.22	0.12	< 0.050
P-8	2-Jul-08	< 0.17	< 0.17	< 0.16	< 0.13	< 0.060	0.12	< 0.030	< 0.020	< 0.020	< 0.020	< 0.040	< 0.030	< 0.010	< 0.10	< 0.030	< 0.22	< 0.030	< 0.050
P-12	2-Jul-08	< 0.17	< 0.17	< 0.16	< 0.13	< 0.060	< 0.010	< 0.030	< 0.020	< 0.020	< 0.020	< 0.040	< 0.030	0.027	< 0.10	< 0.030	< 0.22	< 0.030	< 0.050

Concentrations are in ug/L

PAL = Wisconsin Administrative Code NR 140 preventive action limit

ES = Wisconsin Administrative Code NR 140 enforcement standard

Values in BOLD exceed NR 140 ES

Values in Italics exceed NR 140 PALs