Delcore, Lee R - DNR

From:

Jason Powell <jasonp@metcohq.com>

Sent: To: Tuesday, November 12, 2013 3:16 PM

Ackerman, Jeff A - DNR; Delcore, Lee R - DNR

Subject:

Re: Wendt Conditional Closure letter

Just wanted to let you both know that we will be scheduling well abandonment. However, it looks like there is \$945.85 remaining of the maximum reward.

Well abandonment (\$1,257.60), Regulatory Correspondence (\$122.80), and Pecfa Claim (\$558) remain for a total of \$1,938.40. This leaves \$992.55 that will be above the maximum reimbursement.

I met with Ron and Debby here in our office and we are going to finish this work for the remaining Pecfa balance of \$945.85.

It took our client several months to be able to come up with the closure fee's so we want to avoid having Chuck Wendt pay any additional money out of pocket to get him to closure.

Just wanted to let you know what was going on. If you have any questions please call or email. Thanks,

Jason Powell

METCO - Staff Scientist

jasonp@metcohq.com / 608.781.8879

709 Gillette Street - Suite 3, La Crosse WI 54603

www.metcohq.com

On 11/11/2013 3:33 PM, Ackerman, Jeff A - DNR wrote:

Hi Guys, Congratulations on getting this one through. Jeff

Jeff Ackerman

Hydrogeologist

Remediation & Redevelopment Program

Wisconsin Department of Natural Resources

3911 Fish Hatchery Road, Fitchburg, WI 53711

(() phone: (608)275-3323

(() e-mail: jeff.ackerman@wisconsin.gov

Web site: dnr.wi.gov

Find us on Facebook: www.facebook.com/WIDNR

State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
3911 Fish Hatchery Road
Fitchburg WI 53711-5397

Scott Walker, Governor Cathy Stepp, Secretary Telephone 608-266-2621 Toll Free 1-888-936-7463 TTY Access via relay - 711



November 11, 2013

Mr. Charles Wendt 305 Elizabeth St. Watertown WI 53098

Subject:

Conditional Closure Decision, With Requirements to Achieve Final Closure Wendt Property, N8615 CTH X, Watertown, Jefferson County, Wisconsin

DNR BRRTS Activity # 03-28-211144

Dear Mr. Wendt:

On November 11, 2013, the Department of Natural Resources South Central Regional Closure Committee reviewed your request for closure of the case described above. The 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 committee has determined that the petroleum contamination on the site from the former storage tank 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 ch. NR 726, Wis. Adm. Code and will be closed if the following conditions are satisfied.

MONITORING WELL ABANDONMENT

The monitoring wells at the site must be properly abandoned in accordance with ch. NR 141, Wis. Adm. Code. Documentation of well abandonment must be submitted to Jeff Ackerman on Form 3300-005, found at http://dnr.wi.gov/topic/groundwater/forms.html.

PURGE WATER, WASTE AND SOIL PILE REMOVAL

Any remaining purge water, waste and/or soil piles generated as part of site investigation or remediation activities must be removed from the site and disposed of or treated in accordance with the applicable rules. Once that work is completed, please send appropriate documentation regarding the treatment or disposal of the remaining purge water, waste and/or soil piles.

Please be aware that the case may be reopened pursuant to s. NR 727.13, 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, please contact me.

Sincerely,

Leff Ackerman Hydrogeologist (608) 275-3323

cc:

Matt Michalski, Metco Lee Delcore, DNR





Wisconsin Department of Natural Resources

Case Closure – GIS Registry NR 4400-202

For: Wendt Property BRRTS # 03-28-211144

RECEIVED

SEP 30 2013

September 25, 2013

PLYMOUTH DNR





709 Gillette St., Ste 3, La Crosse, WI 54603 ◆ 1-800-552-2932 ◆ Fax (608) 781-8893 Email: rona@metcohg.com ◆ www.metcohg.com

September 25, 2013

BRRTS# 03-28-211144

Wendy Weihemuller, Environmental Program Associate WDNR Remediation and Redevelopment Program South Centural Region 3911 Fish Hatchery Road Fitchburg, WI 53711

RE: Wendt Property Closure Review and GIS Registry Fee

The T. Revell

Dear Ms. Weihemuller,

Enclosed are the \$750.00 Clsure Review and \$450.00 GIS Registry fee (Soil and Groundwater) for the Wendt Property site (BRRTS# 03-28-211144). The complete closure submittal is being sent to Jeff Ackerman of the Wisconsin Department of Natural Resources.

Sincerely,

Jason T. Powell Staff Scientist

c: Charles Wendt - Client

WDNR Site Name: Wendt Property

Table of Contents

WDNR Case Summary and Case Closure - GIS Registry Form

Attachment A/Data Tables

Attachment B/Maps and Figures

Attachment C/Documentation of Remedial Action

Attachment D/Maintenance Plan(s)

Attachment F/Notification to Owners of Impacted Properties

Attachment G/Source Legal Documents

State of Wisconsin Department of Natural Resources PO Box 7921, Madison WI 53707-7921 dnr.wi.gov

Case Closure - GIS Registry Page 1 of 11

Form 4400-202 (R 11/12)

SUBMIT AS UNBOUND PACKAGE IN THE ORDER SHOWN

Notice: Pursuant to ch. 292, Wis. Stats., and chs. NR 726 and 746, Wis. Adm. Code, this form is required to be completed for case closure requests. The closure of a case means that the Department of Natural Resources (DNR) has determined that no further response is required at that time based on the information that has been submitted to the DNR. All sections of this form must be completed unless otherwise directed by the Department. Incomplete forms will be considered "administratively incomplete" and processing of the request will stop until required information is provided. Any section of the form not relevant to the case closure request must be fully filled out or explained on a separate page and attached to the relevant section of this form. DNR will consider your request administratively complete when the form and all sections are completed, all attachments are included, and the applicable fees required under ch. NR 749, Wis. Adm. Code, are included, and sent to the proper destinations. Personal information collected will be used for administrative purposes and may be provided to requesters to the extent required by Wisconsin's Open Records Law (ss. 19.31 - 19.39, Wis. Stats.).

Site Information		
BRRTS No.	Parcel ID No.	
03-28-211144	032-0815-1641-000	
BRRTS Activity (Site) Name	WTM Coordinates	
Wendt Property	X 624507 Y	298941
Street Address	City	State ZIP Code
N8615 CTH X	Watertown	WI 53094
Responsible Party (RP) Name		
Charles & Luanda Wendt		
Company Name		
Street Address	City	State ZIP Code
305 Elizabeth St.	Watertown	WI 53098
Phone Number	Email	
(920) 206-1654		
Check here if the RP is the owner of the source property.		
Environmental Consultant Name		
Ron Anderson		
Consulting Firm		
METCO		
Street Address	City	State ZIP Code
709 Gillette St., Ste 3	La Crosse	WI 54603
Phone Number	Email	
(608) 781-8879	rona@metcohq.com	
Acres Ready For Use 39.32	Voluntary Party Liability Exemption Site? () Yes ⊚ No
Fees and Malling of Closure Request		
If any section is not relevant to the case closure request, you must the relevant section of the form. All information submitted shall be legible considered incomplete until corrected.	fully explain the reasons why and attach that ex	planation to the
 Send a copy of page one of this form and the applicable ch. No. Program Associate at http://dnr.wi.gov/topic/Brownfields/Co 	IR 749, Wis. Adm. Code, fee(s) to the DNR reg ntact.html. Check all fees that apply:	ional Environmental
∑ \$750 Closure Fee	∑ \$200 GIS Registry Fee for Soil	
	Total Amount of Payment \$ \$1,200	0.00

2. Send one paper copy and one e-copy on compact disk of the entire closure package to the Regional Project Manager assigned to your site. Submit as unbound, separate documents in the order and with the titles prescribed by this form. For electronic document submittal requirements, see http://dnr.wi.gov/files/PDF/pubs/rr/RR690.pdf.

Site Summary

If any section is not relevant to the case closure request, you must fully explain the reasons why and attach that explanation to the relevant section of the form. All information submitted shall be legible. Providing illegible information may result in a submittal being considered incomplete until corrected.

General Site Information and Site History

- A. Site Location: Describe the physical location of the site, both generally and specific to its immediate surroundings. The subject property is located in the NE 1/4 of the SE 1/4 of Sec 16, T08N, R15E, Jefferson County, Wisconsin. The site address is N8615 County Highway X, Watertown, WI 54094 in Jefferson County. The property is located approximately 1,100 feet south of the intersection of County Highway X and Beryl Drive.
- B. Prior and current site usage: Specifically describe the current and historic occupancy and types of use. The property is situated on 39.32 acres of land. A residence and multiple farm structures exist on the property all located in the south west corner of the property while the rest of the property is used for agricultural purposes. The property is currently owned by the responsible party but is rented out.
- C. Describe how and when site contamination was discovered. In 1998 petroleum contaminated soil was discovered during the removal of an approximately 300 gallon gasoline UST. The UST had been used for fueling farm vehicles.
- D. Describe the type(s) and source(s) or suspected source(s) of contamination. Local soil and groundwater has been contaminated by leaded and unleaded gasoline from a removed UST.
- E. Other relevant site description information (or enter Not Applicable). Not Applicable
- F. List BRRTS activity site name and number for all other BRRTS activities at this property, including closed cases. No other BRRTS activities have taken place at this property.
- G. List BRRTS activity/site name(s) and number(s) for all properties immediately adjacent to this site, and those impacted by contamination from this site.
 - No BRRTS sites exist immediately adjacent to this site. The nearest BRRTS site is the Neitzel Property (03-28-558921) which is located 3,500 feet west of the subject property. Due to the distance it is unlikely that the Neitzel Property site has impacted the subject property or is being impacted by the subject property.
- H. Current zoning (e.g. industrial, commercial, residential) for the site and for neighboring properties, and how verified (Provide documentation in Attachment G).
 - On April 17, 2013, METCO contacted the Jefferson County Planning and Zoning Department to verify the zoning of the subject property. The property is zoned A-1 Agricultural.

2. General Site Conditions

A. Soil/Geology

- Describe soil type(s) and relevant physical properties, thickness of soil column across the site, vertical and lateral variations in soil types.
 - Local unconsolidated material generally consist of the following in downward stratigraphic order: From surface to 1'-2' below ground surface (bgs) exists clayey silt. From 1'-2' bgs to 45'-50' exists brown to tan to gray silty sand with gravel, cobbles, and boulders (glacial till). From 45'-50' exists brown to tan to gray silty sand.
- ii. Describe the composition, location and lateral extent, and depth of fill or waste deposits on the site. No waste or fill deposits are known to exist on the subject property.
- iii. Depth to bedrock, bedrock type, and whether or not it was encountered during the investigation. Based on inspection of the former potable well and the drill cuttings from the new potable well, dolomite bedrock exists at depths ranging from 57 feet (old well) to 78 feet (new well).
- iv. Describe the nature and locations of current surface cover(s) across the site (e.g. natural vegetation, landscaped areas, gravel, hard surfaces, and buildings).
 - The majority of the property consists of agricultural fields. In the area of the investigation surface cover consists of largely grass other than the gravel driveways and the on-site structures. Current surface covers are noted on the Detailed Site Map.

B. Groundwater

- i. Discuss depth to groundwater and piezometric elevations. Describe and explain depth variations, and whether free product affects measurement or water table elevation. Describe the stratigraphic unit(s) where water table was found or which were measured for piezometric levels.
 - The depth to water has varied from 24.07 feet bgs (08/21/2008) to 47.02 feet bgs (01/28/2010). The water table appears to exist within the glacial till. No free product has ever been encountered at this site that would have affected measurement or the water table elevation. No piezometers were installed at this site.
- ii. Discuss groundwater flow direction(s), shallow and deep. Describe and explain flow variations, including fracture flow if present.
 - Groundwater flow varies from southwest to south southeast. This variability appears to be linked to the depth to water with groundwater flow shifting to south southeast as the water table rises.
- iii. Discuss groundwater flow characteristics: hydraulic conductivity, flow rate and permeability, or state why this information was not obtained.
 - Hydraulic Conductivity data was not collected at this site but book values for the glacial till deposited in the area averages 9.51432*10^-6 feet/second. Using this value and assuming 15% porosity the flow rate for the last sampling round in May 2012 would be 7.9286*10^-7 feet/day. During this sampling period the flow direction was southwest. The flow rate for May 2011, the last sampling event in which the flow direction was south southeast, the flow rate was approximately 9.758276*10^-6 feet/day using the assumptions noted before.
- iv. Identify and describe locations/distance of potable and/or municipal Wells within 1200 feet of the site.

 The on-site potable well exists approximately 80 feet southeast of the removed UST. The neighboring properties to the south and northeast also have private potable wells. The potable well at N8579 CTH X exists approximately 360 feet south of the source area and the well at N8632 CTH X exists approximately 400 feet northeast of the source area.

3. Site Investigation Summary

A. General

- i. Provide a brief summary of the site investigation history. Reference previous submittals by name and date. Describe site investigation activities undertaken since the last submittal for this project and attach the appropriate documentation in Attachment C, if not previously provided.
 - Please see the attached pages in Attachment C.1.
- Identify whether contamination extends beyond the source property boundary, describe the off-site media (e.g., soil, groundwater, etc.) impacted, and the vertical and horizontal extent of off-site impacts.
 - No contamination has been identified that extends beyond the source property boundaries.
- iii. Identify any structural impediments to the completion of site investigation and/or remediation and whether these impediments are on the source property or off the source property. Identify the type and location of any structural impediment (e.g., structure) that also serves as the performance standard barrier for protection of the direct contact or the groundwater pathway.
 - No structural impediments were encountered to the completion of the site investigation.

B. Soil

- i. Describe degree and extent of **soil contamination** at and from this site. Relate this to known or suspected sources and known or potential receptors/migration pathways.
 - Soil contamination exists in the area of the removed 300 gallon UST directly to the east of the on-site garage. The area of soil contamination appears to measure 15 feet by 11 feet and exists from 6 feet below the ground surface to the water table at approximately 39 47 feet below ground surface depending on time of year. A water supply line runs through the area of soil contamination but the utility trench is expected to be backfilled with native unconsolidated material and hence is unlikely to act as a migration pathway.
- ii. Describe the level and types of **soil contaminants** found in the upper four feet of the soil column. No soil contamination has been found to exist within the upper four feet of the soil column.
- iii. Identify the ch. NR 720, Wis. Adm. Code, method used to establish the soil cleanup standards for this site: for example, a Residual Contaminant Level (RCL), a Site-Specific Residual Contaminant Level (SSRCL), or a Performance Standard as determined under ss NR 720.09, 720.11 and 720.19, Wis. Adm. Code. Identify the land use classification that was used to establish cleanup standards. Provide a copy of the supporting calculations/information in Attachment C.
 - Wisconsin Administrative Code Chapter NR720 Residual Contaminant Levels (RCLs) along with chapter NR 746 Table 1 & 2 levels were used to establish the soil cleanup standards for this site assuming residential land use classification.

C. Groundwater

- i. Describe degree and extent of groundwater contamination at or from this site. Relate this to known or suspected sources and known or potential receptors/migration pathways. Specifically address any potential or existing impacts to water supply wells or interception with building foundation drain systems.
 - Groundwater contamination exists on the property extending from the source area in an area extending approximately 42 feet wide by 50 feet long exceeding the NR140 Enforcement Standard and approximately 68 feet wide by 80 feet long exceeding the Preventive Action Limit. Benzene concentrations in the source area were 2,800 ppb during the last sampling event which is the lowest in the well since sampling began. The on-site potable well has shown PAL exceedances for 1,2-DCA for all but two sampling rounds since it was installed.
- ii. Describe the presence of free product at the site, including the thickness, depth, and locations. Free product has not been encountered at this site.

D. Vapor

- i. Describe how the vapor migration pathway was assessed, including locations where vapor or indoor air samples were collected. If the vapor pathway was not assessed, explain reasons why.
 - Concerning the potential for vapor intrusion: 1) There appears to be at least five feet of clean soil horizontally and vertically from the on-site structure (garage). This is based on soil samples collected from boring GP-1. 2) Free product has never been encountered at this site. 3) Benzene concentrations in groundwater underlying the structure are greater than 2,000 ppb but there is at least 28 feet of unsaturated soil between the groundwater and the foundation of the structure. 4) No underground utilities are known to enter into the structure.
- ii. Identify the applicable DNR action levels and the land use classification used to establish them. Describe where the DNR action levels were reached or exceeded (e.g., sub slab, indoor air or both).
 No vapor samples were assessed as part of the site investigation.

E. Surface Water and Sediment

- i. Identify whether surface water and/or sediment was assessed and describe the impacts found. If this pathway was not assessed, explain why.
 - No surface waters or sediments appear to have been impacted by this site, hence no surface waters or sediments were assessed. The nearest surface water to the site is the Rock River located approximately 1.5 miles east and northwest of the site.
- ii. Identify any surface water and/or sediment action levels used to assess the impacts for this pathway and how these were derived. Describe where the DNR action levels were reached or exceeded.
 - No surface waters or sediments were assessed as part of the site investigation.

4. Remedial Actions Implemented and Residual Levels at Closure

A. General: Provide a brief summary of the remedial action history. List previous remedial action report submittals by name and date. Identify remedial actions undertaken since the last submittal for this project and provide the appropriate documentation in Attachment C.

No remedial actions were taken at this site.

B. Describe any immediate or interim actions taken at the site under ch NR 708, Wis. Adm. Code.

Interim actions were required by the WDNR. This included sampling of the on-site and two neighboring private potable wells (N8579 & N8632 CTH X). The on-site private potable well was also inspected using a down-hole camera. The inspection showed that the steel casing to be severely rusted/corroded with numerous holes and cracks. Near the bottom of the well thick clouds of iron bacteria could be seen. Also required as part of the interim actions All Lines Utility Services located all known private utilities on the subject property. METCO personnel also inspected a small shed to the north of the now abandoned private well for possible sources of petroleum contamination. The shed appeared to not be used regularly and no potential contaminant sources were located.

Based on the inspection of the on-site potable well and NR140 Enforcement Standard exceedances for Benzene the DNR required a new private water supply well be constructed and the current well abandoned. From August 4-7, 2009, Bill Van De Yacht Well Water of De Pere, Wisconsin under METCO supervision and direction conducted a drilling project to install a new private well on-site, installation of new water lines, and abandonment of the old on-site private well and well pit.

C. Describe the active remedial actions taken at the site, including: type of remedial system(s) used for each media impacted; the size and location of any excavation or in-situ treatment; the effectiveness of the systems to address the contaminated media and substances; operational history of the systems; and summarize the performance of the active remedial actions. Provide any system performance documentation in Attachment A.7.

No active remedial actions were taken on this site.

D. Provide a discussion of the nature, degree and extent of residual contamination that will remain at the site or on off-site affected properties after case closure.

Soil contamination exists in the area of the removed 300 gallon UST directly to the east of the on-site garage. The area of soil contamination appears to measure 15 feet by 11 feet and exists from 6 feet below the ground surface to the water table at approximately 39 - 47 feet below ground surface depending on time of year.

Groundwater contamination exists on the property extending from the source area in an area extending approximately 42 feet wide by 50 feet long exceeding the NR140 Enforcement Standard and approximately 68 feet wide by 80 feet long exceeding the Preventive Action Limit. Benzene concentrations in the source area were 2,800 ppb during the last sampling event which is the lowest in the well since sampling began. The on-site potable well has shown PAL exceedances for 1,2-DCA for all but two sampling rounds since it was installed.

- E. Describe the remaining soil contamination within four feet of ground surface (direct contact zone) that attains or exceeds the ch. NR720, Wis. Adm. Code, standard(s) for direct contact.
 - No soil contamination has been found to exist within the upper four feet of the soil column.
- F. Describe the remaining soil contamination in the vadose zone that attains or exceeds the soil standard(s) for the groundwater pathway.
 - Soil contamination exists in the area of the removed 300 gallon UST directly to the east of the on-site garage. The area of soil contamination appears to measure 15 feet by 11 feet and exists from 6 feet below the ground surface to the water table at approximately 39 47 feet below ground surface depending on time of year.
- G. Describe how the residual contamination will be addressed, including but not limited to details concerning: covers, engineering controls or other barrier features; use of natural attenuation of groundwater; and vapor mitigation systems or measures.
 - Residual petroleum contamination on this site is proposed to be addressed through natural attenuation.
- H. If using natural attenuation as a groundwater remedy, describe how the data collected supports the conclusion that natural attenuation is effective in reducing contaminant mass and concentration, (e.g. stable or receding groundwater plume).
 Based on sampling results for the on-site monitoring wells contaminant concentrations have been stable to decreasing in the source area (MW-700B) and the remaining monitoring wells (MW-800B, -1000, 1100, and 1200) have shown no detects for PVOCs, 1,2-DCA, or 1,2-EDB since being installed.
- Identify how all exposure pathways were removed and/or adequately addressed by immediate and/or remedial action(s)
 described above in paragraphs, B, C, D, E and F.
 - Note that the on-site potable well has been replaced and that natural attenuation should be adequate to address the residual soil and groundwater contamination.
- J. Identify any system hardware anticipated to be left in place after site closure, and explain the reasons why it will remain. No system hardware is anticipated to be left in place.
- K. Identify the need for a ch. NR 140, Wis. Adm. Code, groundwater Preventive Action Limit (PAL) or Enforcement Standard (ES) exemption, and identify the affected monitoring points and applicable substances.
 - Monitoring well MW-700B currently shows ES and/or PAL exceedances for Benzene (2800 ppb), 1,2-EDB (74 ppb), and Ethylbenzene (188 ppb). The current contamination concentrations appear to be stable to decreasing and can be address through the use of natural attenuation.
- L. If a DNR action level for vapor intrusion was exceeded (for indoor air, sub slab, or both) describe where it was exceeded and how the pathway was addressed.
 - No vapor samples were collected during this site investigation
- M. Describe the surface water and/or sediment contaminant concentrations and areas after remediation. If a DNR action level was exceeded, describe where it was exceeded and how the pathway was addressed.
 - No surface waters or sediments appear to have been impacted by this site because the nearest surface water to the site is the Rock River located approximately 1.5 miles east and northwest of the site.

	Direct	This s	cenario s to this	at apply to this case closure request:	Maintenance Plan	CIK	 _
		Case (Closure B.	Case Closure Scenario: Maintenance Plans and GIS Registry	(s) Required in Attachment D	GIS Regis Listir	try
	;	On-Site	Off-Site	Engineering Control/Barrier for Direct Contact	✓		
	i. ::			Engineering Control/Barrier for Groundwater Infiltration	1		
	ii. 						
	iii.			Vapor Mitigation - post closure passive system			
	iv.			Vapor Mitigation - post closure active system			
	V.		\boxtimes	None of the above scenarios apply to this case closure	NA NA	NA	
6.		_	-	s: Situations where inclusion on DNR's GIS Registry is req at apply to this case closure request:	uîred.		
		Applie	cenario s to this Closure	Case Closure Scenario: GIS Registry Only		GIS Regis	
		A. On-Site	B. Off-Site	GIO (Cegistry Offiy		Listin	ng
	i.	\boxtimes		Residual soil contamination exceeds ch. NR 720 generic or s	ite-specific RCLs	✓	
	ii.	\boxtimes		Sites with groundwater contamination equal to or greater than enforcement standards (ES)	the ch. NR 140,	✓	
	iii.			Monitoring wells: lost, transferred or remaining in use		√	
	iv.			Structural Impediment (not as a performance standard)		√	
	v.			Residual soil contamination remaining at ch. NR 720 Industria	al Use levels	√	,
	vi.			Vapor intrusion may be future, post-closure issue if building u changes	se or land use	√	
	vii.		\boxtimes	None of the above scenarios apply to this case closure		NA	
		raround	Storage	Tanks		<u></u>	
7.	Unde	ground			part of the investigation	~	O No
7.	A. W	•		ing or other associated tank system components removed as p	Dart Of the investigation	Yes Yes ✓	No
7.	A. W	/ere any r remedia	I action?	ing or other associated tank system components removed as part of the requirements of ch. SPS 310, Wis. Adm. Code		Yes Yes Yes ✓ Yes Y	NoNo

If any section is not relevant to the case closure request, you must fully explain the reasons why and attach that explanation to the relevant section of the form.All information submitted shall be legible. Providing illegible information may result in a submittal being considered incomplete until corrected.

General directions for Data Tables:

- Use bold and italics font on information of importance on tables and figures. Use bold font for ch. NR 140, Wis. Adm. Code, groundwater enforcement standard (ES) attainments or exceedances, and italicized font for ch. NR 140, Wis. Adm. Code, groundwater preventive action limit (PAL) standard attainments or exceedances.
- Do not use shading or highlighting on the analytical tables.
- Include on Data Tables the level of detection for results which are below the detection level (i.e. do not just list as no detect (ND)).
- Include the units on data tables.

- Summaries of all data must include information collected by previous consultants.
- Do not submit lab data sheets unless these have not been submitted in a previous report. Tabulate all data required in s. NR 716.15 (2)(g)3, Wis. Adm. Code, in the format required in s. NR 716.15(2)(h)3, Wis. Adm. Code.
- Include in Attachment A all of the following tables, in the order prescribed below, with the specific Closure Form titles noted on the separate attachments (e.g., Title: A.1. Groundwater Analytical Table; A.2. Pre-remedial Soil Analytical Table, etc).
- For required documents, each table (e.g., A.1., A.2., etc.,) should be a separate PDF.

A. Data Tables

- A.1. Groundwater Analytical Table(s): Table(s) showing the analytical results and collection dates, for all groundwater sampling points e.g. monitoring wells, temporary wells, sumps, extraction wells, any potable wells and any other wells, extraction wells and any potable wells for which samples have been collected.
- A.2. **Pre-remedial Soil Analytical Table(s):** Table(s) showing the soil analytical results and collection dates prior to conducting the interim and/or remedial action. Indicate if sample was collected above or below the all-time low water table (unsaturated verses saturated).
- A.3. Post-remedial Soil Analytical Table(s): Table(s) showing the post-remedial action soil analytical results and collection dates. Indicate if sample was collected above or below the all-time low water table (unsaturated verses saturated).
- A.4. Pre and Post Remaining Soil Contamination Soil Analytical Table(s): Table(s) showing only the pre and post remedial action soil analytical results that exceed a Residual Contaminate Level (RCL) or a Site-Specific Residual Level (SSRCL).
- A.5. Vapor Analytical Table: Table(s) showing type(s) of samples, sample collection methods, analytical method, sample results, date of sample collection, time period for sample collection, method and results of leak detection, and date, method and results of communication testing.
- A.6. Other Media of Concern (e.g., sediment or surface water): Table(s) showing type(s) of sample, sample collection method, analytical method, sample results, date of sample collection, time period for sample collection, method and results sampling.
- A.7. Water Level Elevations: Table(s) showing all water level elevation measurements and dates from all monitoring wells. If present, free product should be noted on the table.
- A.8. Other: This attachment should include: 1) any available tabulated natural attenuation data; 2) data tables pertaining to engineered remedial systems that document operational history, demonstrate system performance and effectiveness, and display emissions data; and (3) any other data tables relevant to case closure not otherwise noted above. If this section is not applicable, please explain the reasons why.

Maps and Figures (Attachment B)

If any section is not relevant to the case closure request, you must fully explain the reasons why and attach that explanation to the relevant section of the form. All information submitted shall be legible. Providing illegible information may result in a submittal being considered incomplete until corrected.

General Directions for all Maps and Figures:

- If any map or figure is not relevant to the case closure request, you must fully explain the reason(s) why and attach that explanation (properly labeled with the map/ figure title) in Attachment B.
- Provide on paper no larger than 11 x 17 inches, unless otherwise directed by the Department. Maps and figures may be submitted in a larger electronic size than 11x17 inches, in a portable document format (pdf) readable by the Adobe Acrobat Reader. However, those larger-size documents must be legible when printed.
- Prepare visual aids, including maps, plans, drawings, fence diagrams, tables and photographs according to the applicable portions
 of ss. NR 716.15(2)(h)1 and 726.05(3)(a)4.d, Wis Adm. Code.
- · Do not use shading or highlights on any of the analytical tables.
- · Include all sample locations.
- Contour lines should be clearly labeled and defined.
- Include in Attachment B all of the following maps and figures, in the order prescribed below, with the specific Closure Form titles noted on the separate attachments (e.g., Title: B.1. Location Map; B.2. Detailed Site Map, etc).
- For the electronic copies that are required, each map (e.g., B.1.a., B.2.a, etc.,) should be a separate PDF.

B.1. Location Maps

- B.1.a. 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 impacted and/or adjacent parcels. If groundwater standards are exceeded, include the location of all potable wells, including municipal wells, within 1200 feet of the area of contamination.
- B.1.b. **Detailed Site Map:** A map that shows all relevant features (buildings, roads, current ground surface cover, individual property boundaries for on-site and applicable off-site properties, 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 ss. NR 720.09, 720.11 and 720.19, Wis. Adm. Code.
- B.1.c. RR Site Map: From RR Sites Map (http://dnrmaps.wi.gov/imf/imf.jsp?site=brrts2) attach a map depicting the source property, and all open and closed BRRTS sites within a half-mile radius or less of the property.

B.2. Soil Figures

- B.2.a. Pre-remedial Soil Contamination: Figure(s) showing the sample location of all pre-remedial, unsaturated contaminated soil and a <u>single contour</u> showing the horizontal extent of each area of contiguous residual soil contamination that exceeded a Residual Contaminant Level (RCL) or a Site-Specific Residual Contaminant Level (SSRCL) as determined under ss. NR 720.09, 720.11 and 720.19, Wis. Adm. Code.
- B.2.b. Post-remedial Soil Contamination: Figure(s) showing the sample location of all post-remedial, unsaturated 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 ss. NR 720.09, 720.11 and 720.19, Wis. Adm. Code. A separate contour line should be used to indicate the extent of residual direct contact exceedances.
- B.2.c. Pre/Post Remaining Soil Contamination: Figure(s) showing the only location of all pre and post remedial residual soil sample location(s) where unsaturated contaminated soil remains after remediation and a single contour showing the horizontal extent of each area of contiguous residual soil contamination that exceeds a Residual Contaminate Level (RCL) or a Site-Specific Residual Level (SSRCL) as determined under ss. NR 720.09, 720.11 and 720.19, Wis. Admin. Code. A separate contour line should be used to indicate the extent of residual direct contact exceedances.

B.3. Groundwater Figures

- B.3.a. **Geologic Cross-Section Figure(s):** One or more cross-section diagrams showing soil types and correlations across the site, water table and piezometric elevations, and locations and elevations of geologic rock units, if encountered. Display on one or more figures all of the following:
 - Source location(s) and vertical extent of residual soil contamination exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Level (SSRCL).
 - Source location(s) and lateral and vertical extent if groundwater contamination exceeds a ch. NR 140 Enforcement Standard (ES)
 - Surface features, including buildings and basements, and show surface elevation changes.
 - · Any areas of active remediation within the cross section path, such as excavations or treatment zones.
 - Include a map displaying the cross-section location(s), if they are not displayed on the Detailed Site Map (Map B.1b)
- B.3.b. Groundwater Isoconcentration: Figure(s) showing the horizontal extent of the post-remedial groundwater contamination exceeding a ch. NR 140, Wis. Adm. Code, Preventive Action Limit (PAL) and/or an Enforcement Standard (ES). Indicate the date and direction of groundwater flow based on the most recent sampling data.
- B.3.c. Groundwater Flow Direction: Figure(s) representing groundwater movement at the site. If the flow direction varies by more than 20° over the history of the site, submit two groundwater flow maps showing the maximum variation in flow direction.
- B.3.d. **Monitoring Wells:** Figure(s) showing all monitoring wells, with well identification number. Clearly designate any wells that: (1) are proposed to be abandoned; (2) cannot be located; (3) are being transferred; (4) will be retained for further sampling, or (5) have been previously abandoned.

B.4. Vapor Maps and Other Media

- B.4.a. Vapor Intrusion Map: Map(s) showing all locations and results for samples taken to investigate the vapor intrusion pathway, in relation to remaining soil and groundwater contamination, including sub-slab, indoor air, soil vapor, ambient air, and communication testing. Show locations and footprints of affected structures and utility corridors, and/or where residual contamination poses a future risk of vapor intrusion.
- B.4.b. Other media of concern (e.g., sediment or surface water): Map(s) showing all sampling locations and results for other media investigation. Include the date of sample collection and identify where any standards are exceeded.
- B.4.c. Other: Include any other relevant maps and figures not otherwise noted above. (This section may remain blank)

Documentation of Remedial Action (Attachment C)

If any section is not relevant to the case closure request, you must fully explain the reasons why and attach that explanation to the relevant section of the form. All information submitted shall be legible. Providing illegible information may result in a submittal being considered incomplete until corrected.

General Directions:

- Include in Attachment C all of the following documentation, in the order prescribed below, with the specific Closure Form titles noted on the separate attachments (e.g., Title: C.1. Site Investigation Documentation; C.2. Investigative Waste, etc).
- If the documentation requested below is "not applicable" to the site-specific circumstances, include a brief explanation to support that conclusion.
- . If the documentation requested below has already been submitted to the Department, please note the title and date of the report for

that particular document requested.

- C.1. Site investigation documentation, that has not otherwise been previously submitted.
- C.2. Investigative waste disposal documentation.
- C.3. NR 720.19 analysis, assumptions and calculations for site specific RCLs (SSRCLs), with justification, including EPA Soil Screening Level Model Calculations and results.
- C.4. Construction documentation or as-built report for any constructed remedial action or portion of, or interim action specified in s. NR 724.02(1), Wis. Adm. Code.
- C.5. **Decommissioning of Remedial Systems.** Include plans to properly abandon any systems or equipment upon receiving conditional closure.
- C.6. Photos. For sites or facilities with a cover or other performance standard, a structural impediment or a vapor mitigation system. Include one or more photographs documenting the condition and extent of the feature at the time of the closure request. Pertinent features should be visible and discernible. Photographs must be labeled with the site name, the features shown, location and the date on which the photograph was taken.
- C.7. Other. Include any other relevant documentation not otherwise noted above. (This section may remain blank)

Maintenance Plan(s) (Attachment D)

If any section is not relevant to the case closure request, you must fully explain the reasons why and attach that explanation to the relevant section of the form. All information submitted shall be legible. Providing illegible information may result in a submittal being considered incomplete until corrected.

When one or more "maintenance plans" are required for a site closure, include in each maintenance plan all required information in sections D.1. through D.5. below, and attach the plan(s) in Attachment D. The following "model" maintenance plans can be located at: (1) Maintenance plan for a engineering control or cover: http://dnr.wi.gov/topic/Brownfields/documents/maintenance-plan.pdf; and (2) Maintenance plan for vapor intrusion: http://dnr.wi.gov/topic/Brownfields/documents/appendix5_606.pdf.

- D.1. Location map(s) which show(s): (1) the feature that requires maintenance; (2) the location of the feature(s) that require(s) maintenance on and off the source property; (3) the extent of the structure or feature(s) to be maintained, in relation to other structures or features on the site; (4) the extent and type of residual contamination; and (5) and all property boundaries.
- D.2. Brief descriptions of the type, depth and location of residual contamination.
- D.3. **Description of maintenance action(s)** required for maximizing effectiveness of the engineered control, vapor mitigation system, feature or other action for which maintenance is required.
- D.4. Inspection log, to be maintained on site, or at a location specified in the maintenance plan or approval letter.
- D.5. Contact information, including the name, address and phone number of the individual or facility who will be conducting the maintenance.

Monitoring Well Information (Attachment E)

If any section is not relevant to the case closure request, you must fully explain the reasons why and attach that explanation to the relevant section of the form. All information submitted shall be legible. Providing illegible information may result in a submittal being considered incomplete until corrected.

General Directions:

Attach monitoring well construction and development forms (DNR FORM 4400-113 A and B: http://dnr.wi.gov/org/water/dwg/gw/forms/4400_113_1_2.pdf) for all wells that will remain in-use, be transferred to another party or that could not be located. A figure of these wells should be included in Attachment B.3.d.

Select One:

Sei	eci c	nie.
0	No r	nonitoring wells were required as part of this response action.
•	All n	nonitoring wells have been located and will be properly abandoned upon the DNR granting conditional closure to the site
0	Sele	ect One or More:
		Not all monitoring wells can be located, despite good faith efforts. Attachment E must include description of efforts made to locate the "lost" wells.
		One or more wells will be transferred to another owner upon case closure being granted. Attachment E should include documentation identifying the name, address and email for the new owner(s).
		One or more wells will remain in use at the site after this closure. Attachment E must include documentation as to the reason(s

Notifications to Owners of Impacted Properties (Attachment F)

If any section is not relevant to the case closure request, you must fully explain the reasons why and attach that explanation to the relevant section of the form. All information submitted shall be legible. Providing illegible information may result in a submittal being considered incomplete until corrected.

General Directions:

- State law requires that the responsible party provide a 30-day, written advance notice (i.e., a letter) to certain persons prior to
 applying for case closure. This requirement applies if: (1) the person conducting the response action does not own the source
 property; (2) the contamination has migrated onto another property; and/or (3) one or more monitoring wells will not be abandoned.
- A model "template letter" for these mandatory notifications can be downloaded at: http://dnr.wi.gov/files/PDF/pubs/rr/RR919.pdf.

Check all that apply to the site-specific circumstances of this case closure:

	A. Impacted Source Property and Owner is not Conducting Cleanup	B. Impacted Right of Way	C. Impacted Off-Site Property Owner	Impacted Property Notification Situations: Ch. NR 726 Appendix A Letter
1.				Residual groundwater contamination exceeds Ch. NR 140 Wis. Administrative Code enforcement standards.
2.				Residual soil contamination that attains or exceeds standards is present after the remedial action is complete, and must be properly managed should it be excavated or removed.
3.				An engineered cover or a soil barrier (e.g. pavement) must be maintained over contaminated soil for direct contact or groundwater infiltration concerns.
4.				Industrial land use soil standards were used for the clean-up standard.
5.				A vapor mitigation system (or other specific vapor protection) must be operated and maintained.
6.				Vapor assessment needed if use changes.
7.				Structural impediment.
8.				Lost, transferred or open monitoring wells.
9.	\boxtimes	\boxtimes	\boxtimes	Not Applicable.

If any of the previous boxes in rows 1 thru 8 were checked, include the following as part of Attachment F:

- FORM 4400-246;
- · Copy of each letter sent, 30 days or more prior to requesting closure; and
- · Proof of receipt for each letter.
- For this site closure, ___0__ (number) property (ies) has/have been impacted, the owners have been notified, and copies of
 the letters and receipts are included in Attachment F.

Source Legal Documents (Attachment G)

If any section is not relevant to the case closure request, you must fully explain the reasons why and attach that explanation to the relevant section of the form.All information submitted shall be legible. Providing illegible information may result in a submittal being considered incomplete until corrected.

Include all of the following documents, in this order, in Attachment G:

- G.1. Deeds Source Property and Other Impacted Properties: The most recent deed with legal descriptions clearly labeled for (1) the Source Property (where the contamination originated) and (2) all off-source (off-site) properties where letters were required to be sent per the ch. NR 700, Wis. Adm. Code, rule series (e.g., off-site cover maintenance required, lost monitoring well, off-site cover property impacts to groundwater exceeding the ch. NR 140, Wis. Adm. Code.
 - **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.
- G.2. 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)).
- G.3. **Verification of Zoning**: Documentation (e.g., official zoning map or letter from municipality) of the property's or properties' current zoning status.
- G.4. Signed Statement: A statement signed by the Responsible Party (RP), which states that he or she believes that the attached legal description(s) accurately describe(s) the correct contaminated property or properties.

If any section is not relevant to the case closure request, y relevant section of the form. All information submitted sha considered incomplete until corrected.		
Check the correct signature block below for this case close document, in accordance with the ch. NR 700 Wis. Adm. Colosure.		
A response action(s) for this site addresses groundware the closure request must be prepared by, or under the ch. NR 712, Wis. Adm. Code. Include both signatures	e supervision of, a profession	nal engineer and a hydrogeologist, as defined in
The response action(s) for this site addresses media of prepared by, or under the supervision of, a profession certification" language below, at a minimum, must be	nal engineer, as defined in ch	
Engineering Certification		
in the State of Wisconsin, registered in accordance of closure request has been prepared in accordance we and that, to the best of my knowledge, all information was prepared in compliance with all applicable requirencessary to obtain data, develop conclusions, reconcluse been prepared by me, or their preparation has the rules, in my professional opinion a site investigate Code, and all necessary remedial actions have been NR 722, NR 724 and NR 726, Wis. Adm. Codes."	with the Rules of Profession contained in this case of irements in chs. NR 700 to immendations and prepare been supervised by me. tion has been conducted it	nal Conduct in ch. A–E 8, Wis. Adm. Code; osure request is correct and the document of 726, Wis. Adm. Code. All phases of work e submittals for this case closure request Specifically, with respect to compliance with n accordance with ch. NR 716, Wis. Adm.
Printed Name		Title
Cianakura	Date	D.F. Stepp and Number
Signature Hydrogeologist Certification	Bate	P.E. Stamp and Number
8 11		
defined in s. NR 712.03 (1), Wis. Adm. Code, and the this case closure request is correct and the document chs. NR 700 to 726, Wis. Adm. Code. All phases of obtaining data, developing conclusions, recommend been prepared by me, or their preparation has been rules, in my professional opinion a site investigation Code, and all necessary remedial actions have been 722, NR 724 and NR 726, Wis. Adm. Codes."	nat, to the best of my know nt was prepared in compli work necessary to addrest dations and preparing subressupervised by me. Speci has been conducted in ac	ance with all applicable requirements in ss groundwater contamination including mittals for this case closure request have ifically, with respect to compliance with the ecordance with ch. NR 716, Wis. Adm.
RIN ANDERSON PG	SR. 1	Hydrogeologist
Printed Name		/ Title
Person Po		1 1
		9/24/13
Signature		9/24/13 Date

Signatures and Findings for Closure Determination

WDNR BRRTS Case # 03-28-211144 Attachment A/Data Tables

WDNR Site Name: Wendt Property

- A.1 Groundwater Analytical Table(s)
- A.2 Pre-remedial Soil Analytical Table(s)
- A.3 Post-remedial Soil Analytical Table(s)
- A.4 Pre and Post Remaining Soil Contamination Soil Analytical Table
- A.5 Vapor Analytical Table
- A.6 Other Media of Concern (e.g., sediment or surface water)
- **A.7 Water Level Elevations**
- A.8 Other

A.1 Groundwater Analytical Tables Wendt Property LUST Site BRRTS# 03-28-211144

Well MW-700 PVC Elevation =

99.10

(feet)

	Water	Depth		1,2 Dichloroe-	1,2 Dibromoe-	Ethyl				Trimethyl-	Xylene
	Elevation	to Water	Benzene	thane (DCA)	thane (EDB)	Benzene	MTBE	Naphthalene	Toluene	benzenes	(Total)
Date		(in feet)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)
08/21/2008	70.98	28.12	11.2	NS	NS	0.64J	<0.7	NS	1.43	0.42J	2.24J
4/28/2009	61.77	37.33	<0.82	<0.86	NS	<1.74	<1	<3.4	<1.02	<5.2	<4.26
10/20/09	,				DRY						
01/28/10					DRY						
04/28/10					DRY						
01/24/11					ABANDO	NED					
ENFORCE MEN	NT STANDARD	= ES – Bold	5	5	0.05	700	60	100	800	480	2000
PREVENTIVE A	ACTION LIMIT =	PAL - Italics	0.5	0.5	0.005	140	12	10	160	96	400

Well MW-700B PVC Elevation =

99.12

(feet)

	Water	Depth		1,2 Dichloroe-	1,2 Dibromoe-	Ethyl				Trimethyl-	Xylene
	Elevation	to Water	Benzene	thane (DCA)	thane (EDB)	Benzene	MTBE	Naphthalene	Toluene	benzenes	(Total)
Date		(in feet)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)
01/28/10	52.10	47.02	8200	<21.5	62	530	<25	<85	72	94-169	730
04/28/10	55.30	43.82	3300	<19	47	440	<12.5	NS	227	260	790
02/15/11	54.17	44.95	3600	<25	98	290	<40	NS	65	128	420-460
05/16/11	60.09	39.03	3900	<25	50	266	<40	NS	66	37-77	186-226
11/28/11	52.36	46.76	3900	<25	85	299	<40	NS	<26.5	48-88	278-318
05/17/12	54.68	44.44	2800	<25	74	188	<40	NS	<26.5	<77	168-208
		120									
ENFORCE MEI	NT STANDARD	= ES – Bold	5	5	0.05	700	60	100	800	480	2000
PREVENTIVE A	ACTION LIMIT =	PAL - Italics	0.5	0.5	0.005	140	12	10	160	96	400

Well MW-800 PVC Elevation =

99.11

(feet)

	Water	Depth		1,2 Dichloroe-	1,2 Dibromoe-	Ethyl				Trimethyl-	Xylene
	Elevation	to Water	Benzene	thane (DCA)	thane (EDB)	Benzene	MTBE	Naphthalene	Toluene	benzenes	(Total)
Date		(in feet)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)
08/21/2008	72.06	27.05	<0.24	NS	NS	< 0.35	<0.7	NS	< 0.39	<0.74	<1.67
4/28/2009	69.66	29.45	< 0.41	< 0.43	NS	<0.87	<0.5	<1.7	<0.51	<2.6	<2.13
10/20/09					DRY						
01/28/10					DRY	•					
04/28/10					DRY						
01/24/11					ABANDO	NED					
ENFORCE MEI	NT STANDARD	= ES - Bold	5	5	0.05	700	60	100	800	480	2000
PREVENTIVE /	ACTION LIMIT =	PAL - Italics	0.5	0.5	0.005	140	12	10	160	96	400

Well MW-800B

PVC Elevation =

99.24

(feet)

	Water	Depth		1,2 Dichloroe-	1,2 Dibromoe-	Ethyl				Trimethyl-	Xylene
	Elevation	to Water	Benzene	thane (DCA)	thane (EDB)	Benzene	MTBE	Naphthalene	Toluene	benzenes	(Total)
Date		(in feet)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)
01/28/10	52.83	46.41	<0.41	< 0.43	< 0.52	<0.87	<0.5	<1.7	<0.51	<2.6	<2.13
04/28/10	55.86	43.38	<0.38	<0.38	NS	< 0.55	<0.25	NS	<0.72	<1.20	<1.62
02/15/11	55.07	44.17	<0.5	<0.5	< 0.63	<0.78	<0.8	NS	<0.53	<1.54	<1.9
05/16/11	61.36	37.88	<0.5	<0.5	< 0.63	<0.78	<0.8	NS	< 0.53	<1.54	<1.9
11/28/11	53.18	46.06	<0.5	<0.5	< 0.63	<0.78	<0.8	NS	< 0.53	<1.54	<1.9
05/17/12	55.20	44.04	<0.5	<0.5	<0.63	<0.78	<0.8	NS	<0.53	<1.54	<1.9
NFORCE MEI	NT STANDARD	= ES – Bold	5	5	0.05	700	60	100	800	480	2000
REVENTIVE	ACTION LIMIT =	PAL - Italics	0.5	0.5	0.005	140	12	10	160	96	400

Well MW-900

PVC Elevation =

96.97

(feet)

	Water	Depth		1,2 Dichloroe-	1,2 Dibromoe-	Ethyl				Trimethyl-	Xylene
	Elevation	to Water	Benzene	thane (DCA)	thane (EDB)	Benzene	MTBE	Naphthalene	Toluene	benzenes	(Total)
Date		(in feet)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)
08/21/2008	72.90	24.07	<0.24	NS	NS	< 0.35	<0.7	NS	< 0.39	<0.74	<1.67
4/28/2009	67.64	29.33	<0.41	< 0.43	NS	<0.87	<0.5	<1.7	<0.51	<2.6	<2.13
10/20/09					DRY						
01/28/10					DRY						
04/28/10					DRY						
01/24/11					ABANDO	NED					
ENFORCE MEN	NT STANDARD	= ES – Bold	5	5	0.05	700	60	100	800	480	2000
PREVENTIVE A	ACTION LIMIT =	PAL - Italics	0.5	0.5	0.005	140	12	10	160	96	400

A.1 Groundwater Analytical Tables Wendt Property LUST Site BRRTS# 03-28-211144

Well MW-1000 PVC Elevation =

98.88

(feet)

	Water	Depth		1,2 Dichloroe-	1,2 Dibromoe-	Ethyl				Trimethyl-	Xylene
1	Elevation	to Water	Benzene	thane (DCA)	thane (EDB)	Benzene	MTBE	Naphthalene	Toluene	benzenes	(Total)
Date		(in feet)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)
01/28/10	52.12	46.76	<0.41	< 0.43	<0.52	<0.87	<0.5	<1.7	<0.51	<2.6	<2.13
04/28/10	55.35	43.53	<0.38	<0.38	NS	< 0.55	<0.25	NS	<0.72	<1.20	<1.62
02/15/11	54.21	44.67	<0.5	<0.5	< 0.63	<0.78	<0.8	NS	< 0.53	<1.54	<1.9
05/16/11	60.38	38.50	<0.5	<0.5	< 0.63	<0.78	<0.8	NS	< 0.53	<1.54	<1.9
11/28/11	52.49	46.39	<0.5	<0.5	< 0.63	<0.78	<0.8	NS	< 0.53	<1.54	<1.9
05/17/12	55.01	43.87	<0.5	<0.5	<0.63	<0.78	<0.8	NS	<0.53	<1.54	<1.9
ENFORCE ME	NT STANDARD	= ES – Bold	5	5	0.05	700	60	100	800	480	2000
PREVENTIVE A	ACTION LIMIT =	PAL - Italics	0.5	0.5	0.005	140	12	10	160	96	400

Well MW-1100 PVC Elevation =

94.77

(feet)

	Water	Depth		1,2 Dichloroe-	1,2 Dibromoe-	Ethyl				Trimethyl-	Xylene
	Elevation	to Water	Benzene	thane (DCA)	thane (EDB)	Benzene	MTBE	Naphthalene	Toluene	benzenes	(Total)
Date		(in feet)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)
02/15/11	53.48	41.29	<0.5	<0.5	< 0.63	<0.78	<0.8	<2.1	< 0.53	<1.54	<1.9
05/16/11	61.86	32.91	<0.5	<0.5	< 0.63	<0.78	<0.8	NS	< 0.53	<1.54	<1.9
11/28/11	51.60	43.17	<0.5	<0.5	< 0.63	<0.78	<0.8	NS	< 0.53	<1.54	<1.9
05/17/12	54.89	39.88	<0.5	<0.5	<0.63	<0.78	<0.8	NS	<0.53	<1.54	<1.9
NFORCE ME	NT STANDARD	= ES - Bold	5	5	0.05	700	60	100	800	480	2000
PREVENTIVE A	EVENTIVE ACTION LIMIT = PAL - Italics			0.5	0.005	140	12	10	160	96	400

Well MW-1200 PVC Elevation =

96.80

(feet)

	Water	Depth		1,2 Dichloroe-	1,2 Dibromoe-	Ethyl				Trimethyl-	Xylene
	Elevation	to Water	Benzene	thane (DCA)	thane (EDB)	Benzene	MTBE	Naphthalene	Toluene	benzenes	(Total)
Date		(in feet)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)
02/15/11	53.69	43.11	<0.5	<0.5	< 0.63	<0.78	<0.8	<2.1	< 0.53	<1.54	<1.9
05/16/11	60.40	36.40	<0.5	<0.5	< 0.63	<0.78	<0.8	NS	< 0.53	<1.54	<1.9
11/28/11	51.94	44.86	<0.5	<0.5	< 0.63	<0.78	<0.8	NS	< 0.53	<1.54	<1.9
05/17/12	54.51	42.29	<0.5	<0.5	<0.63	<0.78	<0.8	NS	<0.53	<1.54	<1.9
					2 2 5			100		100	
ENFORCE MEI	NT STANDARD	= ES - Bold	5	5	0.05	700	60	100	800	480	2000
PREVENTIVE A	ACTION LIMIT =	PAL - Italics	0.5	0.5	0.005	140	12	10	160	96	400

A.1 Groundwater Analytical Tables Wendt Property LUST Site BRRTS# 03-28-211144

Private Well - N8615 (Former)

	Water	Depth		1,2 Dichloroe-	1,2 Dibromoe-	Ethyl				Trimethyl-	Xylene
	Elevation	to Water	Benzene	thane (DCA)	thane (EDB)	Benzene	MTBE	Naphthalene	Toluene	benzenes	(Total)
Date		(in feet)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)
07/25/07	MM	NM	3.7	NS	NS	<0.38	<0.52	NS	< 0.46	<1.57	< 0.99
09/17/07	NM	NM	7.8	NS	NS	<0.38	<0.52	NS	<0.46	<1.57	< 0.99
08/21/08	MM	NM	24.6	NS	NS	<0.68	<0.62	NS	<0.46	<1.42	<1.85
04/28/09	MM	NM	4.4	1.61	NS	<0.87	<0.5	<1.7	<0.51	<2.6	<2.13
				ABANDO	NED AUGUST	7, 2009					
ENFORCE MEI	NT STANDARD	= ES – Bold	5	5	0.05	700	60	100	800	480	2000
PREVENTIVE A	ACTION LIMIT =	PAL - Italics	0.5	0.5	0.005	140	12	10	160	96	400

Private Well - N8615 (New)

	Water	Depth		1,2 Dichloroe-	1,2 Dibromoe-	Ethyl				Trimethyl-	Xylene
	Elevation	to Water	Benzene	thane (DCA)	thane (EDB)	Benzene	MTBE	Naphthalene	Toluene	benzenes	(Total)
Date		(in feet)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)
10/20/09	NM	NM	0.77	< 0.43	< 0.52	<0.87	<0.5	<1.7	<0.42	<2.6	<2.13
01/28/10	NM	NM	0.90	0.57	<0.52	<0.87	<0.5	<1.7	<0.51	<2.6	<2.13
04/28/10	NM	NM	<0.38	<0.38	NS	< 0.55	< 0.25	NS	< 0.72	<1.20	<1.62
02/15/11	NM	NM	<0.5	0.69	< 0.63	<0.78	<0.8	NS	<0.53	<1.54	<1.9
05/16/11	NM	NM	<0.5	0.71	< 0.63	<0.78	<0.8	NS	< 0.53	<1.54	<1.9
11/28/11	NM	NM	<0.5	0.51	< 0.63	<0.78	<0.8	NS	< 0.53	<1.54	<1.9
5/17/2012	NM	NM	<0.5	0.60	< 0.63	<0.78	<0.8	NS	< 0.53	<1.54	<1.9
ENFORCE MEN	NT STANDARD	= ES – Bold	5	5	0.05	700	60	100	800	480	2000
PREVENTIVE A	ACTION LIMIT =	PAL - Italics	0.5	0.5	0.005	140	12	10	160	96	400

Private Well - N8579

	Water	Depth		1,2 Dichloroe-	1,2 Dibromoe-	Ethyl				Trimethyl-	Xylene
	Elevation	to Water	Benzene	thane (DCA)	thane (EDB)	Benzene	MTBE	Naphthalene	Toluene	benzenes	(Total)
Date		(in feet)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)
04/28/09	NM	NM	<0.41	< 0.43	NS	<0.87	<0.5	<1.7	<0.51	<2.6	<2.13
ENFORCE ME	NT STANDARD	= ES - Bold	5	5	0.05	700	60	100	800	480	2000
PREVENTIVE	REVENTIVE ACTION LIMIT = PAL - Italics			0.5	0.005	140	12	10	160	96	400

Private Well - N8632

	Water	Depth		1,2 Dichloroe-	1,2 Dibromoe-	Ethyl				Trimethyl-	Xylene
	Elevation	to Water	Benzene	thane (DCA)	thane (EDB)	Benzene	MTBE	Naphthalene	Toluene	benzenes	(Total)
Date		(in feet)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)
04/28/09	NM	NM	< 0.41	< 0.43	NS	<0.87	<0.5	<1.7	<0.51	<2.6	<2.13
ENFORCE MEI	NT STANDARD	= ES – Bold	5	5	0.05	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT = PAL - Italics		0.5	0.5	0.005	140	12	10	160	96	400	

A.2 Pre-remedial Soil Analytical Tables WENDT PROPERTY LUST INVESTIGATION BRRTS# 03-28-211144 by Stiles Environmental Serv.

SAMPLING CONDUCTED ON December 09, 1998

SOIL SAMPLES

Sample Location Number	S 1	S2	NR720	NR 746 Table 1	NR746 Table 2
Sample Depth in Feet	7	3	Exceedance	Exceedance	Exceedance
GRO (ppm)	889	<6.0[100] ==	==
Benzene (ppb)	326	<30	5.5	<u>8500</u>	<u>1100</u>
Ethelybenzene (ppb)	2810	<30	2900	<u>4600</u>	==
Methyl-t-butyl ether (ppb)	<280	<30	==	==	= =
Toluene (ppb)	1460	<30	1500	<u>38000</u>	==
1,2,4-Trimethylbenzene (ppb)	67500	216	==	83000	==
1,3,5-Trimethylbenzene (ppb)	<u>23600</u>	82	==	<u>11000</u>	==
Xylene (ppb)	<u>54000</u>	396	4100	42000	==

NR720 Exceedance = Bold NR 746 Exceedance = Bold & Underlined

A.2 Pre-remedial Soil Analytical Tables

Table 1: Soil Analytical Results, Wendt Property, Watertown, Wisconsin

Sample Label	Depth (feet)	Date Collected	PID	-	•						ory Analytical arreters							
Fanal	(1001)		Response (Iul)				PVOCe (ug/k	g)			GRO			vo	C (ug/kg) Dete	cps		
				Benzene	Efrytbenzene	MTBE	Toluane	1,2,4 Trimethyl-benzens	1,3,5 Trimethyl-benzene	Total Xyfenes	(mg/kg)	eec-Bulylpenzene	Isopropylbenzene	p-ksopropylloluene	Naphthalene	n-Propylbenzene	Trichloroethene	n-Bulyly enzene
Wis, Admin Coo	de Capter NR	720 RCLs		5.5	2,900	NE	1,500	NE	NE	4,100	100	NE	NB	NB	NB	NE	NE	NE
		ors of Residual Product in Soil Po	orea	8,500	4,600	NE	38,000	83,000	11,000	42,000	NB	NB	NE	NB	2,700	NE	NE	NE
Comm 45.05 Tz	bie 2 Direct	Contact Criteria (Only for samples	s collected from 0-4 fbg)	1,100	NB	NE	NB	NE	NE	NE	NE	NE	NE	NE	NB	NE	NE	NE
GP1-S-1	0-2	7/25/2007	. 0	-	-	_	-	-				-	-	-	_		•••	_
OP1-S-2	2-4	7/25/2007	0	_	_	-	-		-				-	-	-	-		-
GP1-S-3	4-6	7/25/2007	0		_				_	-	-	-	-		-	-	_	_
GP1-S-4	9-8	7/25/2007	339						_		_		-	-			_	
CP1-S-5	8-10	7/25/2007	340	_	_	-	844			-			-				-	***
GP1-S-6	10-12	7/25/2007	421	<25	6,800	<25	5,300	10,400	4,100	29,900	1.480	212	640	· 102	1,410	2,480	<25	1,050
GP1-S-7	12-14	7/25/2007	390		***	_		-						-	•	-	-	_
GP1-8-8	14-18	7/25/2007	359	-	-				-									
GP1-S-9	16-17.5	7/25/2007	360	50 "J"	4,800	Q 5	7,600	8,700	2,690	21,000	1,330	158	440	87	790	1,710	<25	780
GP2-S-1	0-2	7/25/2007	37	Q 3	28.1 "7"	Q \$	43 "7"	100	32 "7"	147 "J"	<10	<25	· 🛭	<25	₹25	<25	- ⊲3	<25
GP2-5-2	2-4	7/25/2007	10			-	-	-	-	-		-	_			<u>-</u>		
GP2-S-3	4-8	7/25/2007	8				-			_	-		_	-	-		-	-
GP2-S-4	5-8	7/25/2007	5	<25	<25	<25	29.8 "ፓ"	Q 5	Q 5	<75	<10	۵s	<25	Q 5	ব্য	Q 5	ব্য	Q5
.GP2-S-5	8-10	7/25/2007	6		_	_	-	_	_		T -	_		-				-
GP2-S-8	10-12	7/25/2007	6	-		-	-	_	-	-	-	 	_	-	-			_
GP2-\$-7	12-14	7/25/2007	4		_	-	_	-	_	-	-		-	T -	-	-		-
GP2-S-8	14-16	7/25/2007	4	_	T -			-	-			-	-	-	-	-	_	_
GP2-\$-9	16-18	7/25/2007	<1		_			-			-	_	_	-	-		<u> </u>	-
GP2-S-10	18-19	7/25/2007	ব	T -	_	_	-	_	-			_	T -	_	_		_	_
GP3-S-1	0-2	7/25/2007	<1		-	-	-			-	-	_				_		
GP3-S-2	2-4	7/25/2007	<1	-25	<25	<25	<25	<2.5	<2.5	<75	<10	<21	<25	<25	<25	Q 3	<25	⊲3
GP3-S-3	4-5	7/25/2007	<1			_				-				-	_	-		
GP3-S-4	6-8	7/25/2007	<1	_				-	-		_			_	-			
GP3-S-5	8-10	7/25/2007	<1		-				-					-			-	-
GP3-S-6	10-12	7/25/2007	. <1	ব্য	<25	Q 5	<25	<25	<25	<75	<10	<25	Q 5	<25	<25	<25	<25	Q 5
OP4-S-1	0-2	7/25/2007	<1	_				_		_		-	_	_	_	-	T -	_
GP4-S-2	2-4	7/25/2007	<1		_	_			_	-	-	_	-	-		_	-	-
QP4-S-3	4-6	7/25/2007	<1	<25	<25	ব্য	<2.5	<25	<25	<75	<10	⊲5	<25	ব্য	Q 5	Q 5	<25	Q 5
GP4-S-4	6-8	7/25/2007	<1	-						-				-	_	-	-	_
CP4-S-5	8-10	7/25/2007	<1		_		_		-	_	_	-	-	-		_	_	-
GP4-S-6	10-12	7/25/2007	<1	Q5	ব্য	<25	<25	<25	<25	⊲5	<10	<25	<25	ব্য	<25	<25	<25	425
GP4-S-7	12-14.5	7/25/2007	<1		_		-			-			-	-		-	_	-
OP5-S-1	0-2	7/25/2007	<1.	-		_	_	_	-	-		_		-	_	_	-	-

A.2 Pre-remedial Soil Analytical Tables Table 1: Soil Analytical Results, Wendt Property, Waterlown, Wisconsin

Sample Label	Depth (feet)	Date Colected	PtD								ory Analytical							
			Response (lul)				PVOCs (ug/k	9)			GRO			vo	C (ug/kg) Dete	cts		
				Benzene	Ethylbenzene	МТВЕ	Tchtene	1,2,4 Trimethyl-berzene	1,3,5 Trimethyl-benzene	Total Xylenes	(mp/kg)	s ec-Bulyîb enzene	lsopropylbanzena	euantolt/dostost-d	Naphthalene	п-Ргоруданизепе	Trichloroethene	aneznadkjud-n
Wie, Admin Cod	e Capter NR	720 RCLs		5.5	2,900	NE	1,500	NE	NE	4,100	100	NE	NE	NE	NE	NB	NE	NB
Comm 45,06 Ta	ble 1 Indicat	ors of Residual Product In Soil Po	ores .	8,500	4,600	NE	38,000	83,000	11,000	42,000	NE	NE	NE ·	NE	2,700	NB	NE	NE
Comm 46,06 Ta	ble 2 Direct	Contact Criteria (Only for samples	s collected from 0-4 fbg)	1,100	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NB	NE	NE
GP5-S-2	2-4	7/25/2007	ব	Q 5	Q 5	Q 5	25.1 "1"	<25	Q 5	<75	<10	ব্য	<25	<25	<25	<25	<25°	ব্য
GP5-S-3	4-5	7/25/2007	ধ	-	-				-	-	_	-	_	_	-			_
GP5-S-4	5-5	7/25/2007	<1			-		-		_	-	_	_		-			-
GP5-8-5	8-10	7/25/2007	<1	<25	<25	<25	<2.5	Q 5	<25	<75	. <10	<25	<25	<25	<25	<25	<2.5	Q 5
GP5-S-6	10-12	7/25/2007	ব		-	1	-			-	-		-		-		. –	-
GP5-6-7	12-14	7/25/2007	<1	-	-	-	-	-			-	-		-	-	-	-	_
GP5-S-8	14-15	7/25/2007	. <1	T -	_	-	-				-	-	-	-				
GP5-S-9	16-18	7/25/2007	<1			-		-	_		-		-	T -		-	_	_
GP5-S-10	15-19.5	7/25/2007	<1	_	_	_						_			-		-	-
GP5-S-1	0-2	7/25/2007	ধ	<25	<25	Q 5	<25	Q 5	<25	<75	<10	<25	<23	<2.5	<25	Q 5	<25	<25
GP6-S-2	2-4	7/25/2007	ব	-				-	_	_		-	_	***			_	
L	<u> </u>		<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>			<u> </u>	1	<u> </u>			<u> </u>			

NOTE:

It is a first furnishment white as insolut/lene
PID = Photoionization Detector
PVOCs = Petroleum Volatile Organic Compounds
MTBE = morby-lenfarty-bus/y-ether
"J" = Analyte defected between Limit of Detection and Limit of Quantitation
--- = not submitted for laboratory analysis
mg/kg = mittgrams per kilogram

µ3/kg = mittgrams per kilograms

A.2 Pre-remedial Soil Analytical Tables WENDT PROPERTY LUST INVESTIGATION BRRTS# 03-28-211144 BY METCO

SAMPLING CONDUCTED ON JANUARY 27, 2010

SOIL SAMPLES Sample Location Number Sample Depth in Feet	MW-700B-1 5	MW-700B-2 10	MW-700B-3	MW-700B-4 20	MW-700B-5 25	MW-700B-6 30	MW-700B-7 35	MW-700B-8 40	MW-700B-9 45	MW-700B-10 50
Soil Type Petroleum Odors Staining Moisture HNU	SANDY SILT NO NO MOIST 0		SILTY SAND W/GRAVEL ROCKS YES NO MOIST 15		SILTY SAND W/GRAVEL ROCKS YES NO MOIST 80	SILTY SAND W/GRAVEL ROCKS YES NO MOIST 85	SILTY SAND W/GRAVEL ROCKS YES NO MOIST 25	SILTY SAND W/GRAVEL ROCKS YES NO MOIST 10	SILTY SAND W/GRAVEL ROCKS YES NO MOIST 8	SANDY SILT YES NO MOIST 7
SOIL SAMPLES Sample Location Number Sample Depth in Feet	MW-700B-11M	/IW-700B-12 60		MW-800B-2 10	MW-800B-3 51	MW-800B-4 20	MW-800B-5 25	MW-800B-6 30	MW-800B-7 35	MW-800B-8 40
Soil Type Petroleum Odors Staining Moisture HNU	SANDY SILT: YES NO MOIST 7	SANDY SILT YES NO MOIST 7	NO MOIST		SILTY SAND W/GRAVEL ROCKS NO NO MOIST 0	SILTY SAND W/GRAVEL ROCKS NO NO MOIST 0	SILTY SAND W/GRAVEL ROCKS NO NO MOIST 0	SILTY SAND W/GRAVEL ROCKS NO NO MOIST 0	SILTY SAND W/GRAVEL ROCKS NO NO MOIST 0	SILTY SAND W/GRAVEL ROCKS NO NO MOIST 0
SOIL SAMPLES Sample Location Number Sample Depth in Feet	MW-800B-91	MW-800B-10 50	MW-800B-11 55	MW-1000-1 2.5-4.5	MW-1000-2 5-7	MW-1000-3 7.5-9.5	MW-1000-4 10-12	MW-1000-5 12.5-14.5	MW-1000-6 15-17	MW-1000-7 17.5-19.5
Soil Type Petroleum Odors Staining Moisture HNU	SILTY SAND W/GRAVEL ROCKS NO NO MOIST 0	SANDY SILT NO NO MOIST 0	SANDY SILT NO NO MOIST	SILTY SAND W/GRAVEL ROCKS NO NO MOIST 0	SILTY SAND W/GRAVEL ROCKS NO NO MOIST 0	SILTY SAND W/GRAVEL ROCKS NO NO MOIST 0	SILTY SAND W/GRAVEL ROCKS NO NO MOIST 0	SILTY SAND W/GRAVEL ROCKS NO NO MOIST 0	SILTY SAND W/GRAVEL ROCKS NO NO MOIST 0	SILTY SAND W/GRAVEL ROCKS NO NO MOIST 0
SOIL SAMPLES Sample Location Number Sample Depth in Feet	MW-1000-8 25	MW-1000-9 30	MW-1000-10 35	MW-1000-11 40	MW-1000-12 45	MW-1000-13 50	MW-1000-14 55	MW-1000-15 60	MW-1000-16 65	MEOH BLANK
Soil Type Petroleum Odors Staining Moisture HNU	SILTY SAND S W/GRAVEL ROCKS NO NO MOIST 0		W/GRAVEL ROCKS NO NO MOIST		SILTY SAND W/GRAVEL ROCKS NO NO MOIST 0	SILTY SAND W/GRAVEL ROCKS NO NO MOIST 0	SANDY SILT NO NO MOIST 0	SANDY SILT NO NO MOIST 0	SANDY SILT NO NO MOIST 0	== == ==

WENDT PROPERTY LUST INVESTIGATION BRRTS# 03-28-211144 BY METCO

SAMPLING CONDUCTED ON JANUARY 24, 2011

SOIL SAMPLES Sample Location Number Sample Depth in Feet	MW-1100-1 2.5-4.5	MW-1100-2 5-7	MW-1100-3 7.5-9.5	MW-1100-4 10-12	MW-1100-5 12.5-14.5	MW-1100-6 15-17	MW-1100-7 17.5-19.5	MW-1100-8 25	MW-1100-9 30	MW-1100-10 35	MW-1100-11 40	MW-1100-12 45	
Soil Type	SILTY SAND GRAVEL COBBLES	SILTY SAND GRAVEL COBBLES	SILTY SAND GRAVEL COBBLES	SILTY SAND GRAVEL COBBLES	SILTY SAND GRAVEL COBBLES	SILTY SAND GRAVEL COBBLES	SILTY SAND GRAVEL COBBLES	SILTY SAND GRAVEL COBBLES	SILTY SAND GRAVEL COBBLES	SILTY SAND GRAVEL COBBLES	SILTY SAND GRAVEL COBBLES	SILTY SAND GRAVEL COBBLES	
Petroleum Odors	ИО	NO	NO	NO	NO	NO	ИО	NO	МО	NO	NO	NO	
Staining	NO	NO	NO	NO	NO	NO	ИО	ИО	NO	NO	NO	МО	
Moisture	MOIST	MOIST	MOIST	MOIST	MOIST	MOIST	MOIST	MOIST	MOIST	MOIST	MOIST	MOIST	
HNU	0	0	0	0	0	0	0	0	0	0	0	0	0
Sample Location Number	MW-1200-1	MW-1200-2	MW-1200-3	MW-1200-4	MW-1200-5	MW-1200-6	MW-1200-7	MW-1200-8	MW-1200-9			MW-1200-12	MW-1200-13
Sample Location Number Sample Depth in Feet	MW-1200-1 2.5-4.5	MW-1200-2 5-7	MW-1200-3 7.5-9.5	MW-1200-4 10-12	MW-1200-5 12.5-14.5	MW-1200-6 15-17	MW-1200-7 17.5-19.5	MW-1200-8 25	MW-1200-9 30	MW-1200-10 35	MW-1200-11 40	MW-1200-12 45	MW-1200-13 50
Sample Depth in Feet	2.5-4.5 SILTY SAND GRAVEL	5-7 SILTY SAND GRAVEL	7.5-9.5 SILTY SAND GRAVEL	10-12 SILTY SAND GRAVEL	12.5-14.5 SILTY SAND GRAVEL	15-17 SILTY SAND GRAVEL	17.5-19.5 SILTY SAND GRAVEL	25 SILTY SAND GRAVEL	30 SILTY SAND GRAVEL	35 SILTY SAND GRAVEL	40 SILTY SAND GRAVEL	45 SILTY SAND GRAVEL	50 SILTY SAND GRAVEL
Sample Depth in Feet Soil Type	2.5-4.5 SILTY SAND GRAVEL COBBLES	5-7 SILTY SAND GRAVEL COBBLES	7.5-9.5 SILTY SAND GRAVEL COBBLES	10-12 SILTY SAND GRAVEL COBBLES	12.5-14.5 SILTY SAND GRAVEL COBBLES	15-17 SILTY SAND GRAVEL COBBLES	17.5-19.5 SILTY SAND GRAVEL COBBLES	25 SILTY SAND GRAVEL COBBLES	30 SILTY SAND GRAVEL COBBLES	35 SILTY SAND GRAVEL COBBLES	40 SILTY SAND GRAVEL COBBLES	45 SILTY SAND GRAVEL COBBLES	50 SILTY SAND GRAVEL COBBLES
Sample Depth in Feet Soil Type Petroleum Odors	2.5-4.5 SILTY SAND GRAVEL COBBLES NO	5-7 SILTY SAND GRAVEL COBBLES NO	7.5-9.5 SILTY SAND GRAVEL COBBLES NO	10-12 SILTY SAND GRAVEL COBBLES NO	12.5-14.5 SILTY SAND GRAVEL COBBLES NO	15-17 SILTY SAND GRAVEL COBBLES NO	17.5-19.5 SILTY SAND GRAVEL COBBLES NO	25 SILTY SAND GRAVEL COBBLES NO	30 SILTY SAND GRAVEL COBBLES NO	35 SILTY SAND GRAVEL	40 SILTY SAND GRAVEL COBBLES NO	45 SILTY SAND GRAVEL	50 SILTY SAND GRAVEL
Sample Depth in Feet Soil Type Petroleum Odors Staining	2.5-4.5 SILTY SAND GRAVEL COBBLES NO NO	5-7 SILTY SAND GRAVEL COBBLES NO NO	7.5-9.5 SILTY SAND GRAVEL COBBLES NO NO	10-12 SILTY SAND GRAVEL COBBLES NO NO	12.5-14.5 SILTY SAND GRAVEL COBBLES NO NO	15-17 SILTY SAND GRAVEL COBBLES NO NO	17.5-19.5 SILTY SAND GRAVEL COBBLES NO NO	25 SILTY SAND GRAVEL COBBLES NO NO	30 SILTY SAND GRAVEL COBBLES NO NO	35 SILTY SAND GRAVEL COBBLES NO NO	40 SILTY SAND GRAVEL COBBLES	45 SILTY SAND GRAVEL COBBLES	50 SILTY SAND GRAVEL COBBLES
Sample Depth in Feet Soil Type Petroleum Odors	2.5-4.5 SILTY SAND GRAVEL COBBLES NO	5-7 SILTY SAND GRAVEL COBBLES NO	7.5-9.5 SILTY SAND GRAVEL COBBLES NO	10-12 SILTY SAND GRAVEL COBBLES NO	12.5-14.5 SILTY SAND GRAVEL COBBLES NO	15-17 SILTY SAND GRAVEL COBBLES NO	17.5-19.5 SILTY SAND GRAVEL COBBLES NO	25 SILTY SAND GRAVEL COBBLES NO	30 SILTY SAND GRAVEL COBBLES NO	35 SILTY SAND GRAVEL COBBLES NO	40 SILTY SAND GRAVEL COBBLES NO	45 SILTY SAND GRAVEL COBBLES NO	50 SILTY SAND GRAVEL COBBLES NO

A.3 Post-remedial Soil Analytical Table(s) - No remedial actions/sampling occurred at this site.

A.4 Pre and Post Remaining Soil Contamination Soil Analytical Table WENDT PROPERTY LUST INVESTIGATION BRRTS# 03-28-211144

Sample ID	S1	GP1-S-6	GP1-S-9	NR 720	NR 746 Table 1	NR 746 Table 2
Depth	7	10-12	16-17.5	Exceedance	Exceedance	Exceedance
Date	12/09/98	07/25/07	07/25/07	=BOLD	=Bold & Underlined	=Bold & Underlined
PID	==	421	360	==	==	==
GRO (ppm)	889	1480	1330	100	==	= =
Benzene (ppb)	326	<25	50 "J"	5.5	<u>8500</u>	<u>1100</u>
Ethylbenzene (ppb)	2810	<u>6800</u>	<u>4800</u>	2900	<u>4600</u>	==
MTBE (ppb)	<280	<25	<25	==	==	==
Naphthalene (ppb)		1410	790	==	<u>2700</u>	==
Toluene (ppb)	1460	5300	7600	1500	38000	==
1,3,5-TMB (ppb)	67500	10400	8700	==	83000	==
1,2,4-TMB (ppb)	23600	4100	2690	==	11000	==
Xylene (ppb)	<u>54000</u>	29900	21000	4100	42000	==
sec-Butylbenzene (ppb)	= =	212	158	==	==	==
Isopropylbenzene (ppb)	==	640	440	==	==	==
p-isopropyltoluene (ppb)	==	120	87	==	==	==
n-Propylbenzene (ppb)	==	2480	1710	== -	==	==
Trichloroethene (ppb)	==	<25	<25	==	==	==
N-Butylbenzene (ppb)	==	1050	780	==	==	= =

^{= =} No Standard/not sampled

[&]quot;J" = Analyte detected between Limit of Detection and Limit of Quantitation

A.5 Vapor Analytical Table - No vapor samples were assessed as part of the site investigation.

A.6 Other Media of Concern (e.g., sediment or surface water) - No surface waters or sediments were assessed as part of the site investigation.

A.7 Water Level Elevation Table Wendt Property LUST Site BRRTS# 03-28-211144

pvc top (ft)	MW-700 99.10	MW-700B 99.12	MW-800 99.11	MW-800B 99.24	MW-900 96.97	MW-1000 98.88	MW-1100 94.77	MW-1200 96.80
Date								
8/21/2008	70.98	NI	72.06	NI	72.90	NI	NI	NI
4/28/2009	61.77	NI	69.66	NI	67.64	NI	NI	NI
10/20/2009	DRY	NI	DRY	NI	DRY	NI	NI	NI
1/28/2010	DRY	52.10	DRY	52.83	DRY	52.12	NI	NI
4/28/2010	DRY	55.30	DRY	55.86	DRY	55.35	NI	NI
2/15/2011	Α	54.17	Α	55.07	Α	54.21	53.48	53.69
5/16/2011	Α	60.09	Α	61.36	Α	60.38	61.86	60.40
11/28/2011	Α	52.36	Α	53.18	Α	52.49	51.60	51.94
5/17/2012	Α	54.68	Α	55.20	Α	55.01	54.89	54.51

Note: Elevations are in relation to an on-site benchmark, assumed elevation = 100 feet.

NI = Not Installed

A = Abandoned

A.8 Other - Groundwater NA Indicator Tables Wendt Property LUST Site BRRTS# 03-28-211144

Monitoring Well MW-700B

PVC Elevation =

99.12

(feet)

Date	Water Elevation (ft MSL)	Dissolved Oxygen (ppm)	pН	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppb)	Man- ganese (ppb)
05/17/12	54.68	0.87	6.92	146	11.6	58	<0.1	22.6	80	358
NFORCE MENT STANDARD = ES - Bold		-			-	10	-	-	300	
REVENTIVE ACTION LIMIT = PAL - Italics			-	-	-	-	2	-	-	60

Monitoring Well MW-800B

PVC Elevation =

99.24 (feet)

Date	Water Elevation (ft MSL)	Dissolved Oxygen (ppm)	рН	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppb)	Man- ganese (ppb)
05/17/12	55.20	4.53	7.20	264	11.3	617	10.6	125	<60	<4.8
NFORCE ME	NT STANDARD	= ES – Bold	-	-	-	-	10	-/-	-	300
REVENTIVE ACTION LIMIT = PAL - Italics		-		-	-	2	-	-	60	

Monitoring Well MW-1000

PVC Elevation =

98.88 (feet)

Date	Water Elevation (ft MSL)	Dissolved Oxygen (ppm)	рН	ORP	Temp	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppb)	Man- ganese (ppb)
05/17/12	55.01	4.55	7.27	251	11.5	655	1.1	53.3	<60	6.41
ENFORCE ME	NT STANDARD	= ES – Bold	-	-	-	-	10	-	-	300
PREVENTIVE ACTION LIMIT = PAL - Italics		-	-	-	-	2	-	-	60	

Monitoring Well MW-1100

PVC Elevation =

94.77 (feet)

Date	Water Elevation (ft MSL)	Dissolved Oxygen (ppm)	pН	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppb)	Man- ganese (ppb)
05/17/12	54.89	5.35	7.32	265	11.4	424	0.5	9.91	<60	11.4
NFORCE MENT STANDARD = ES - Bold		-	-	-	-	10	-	-	300	
PREVENTIVE ACTION LIMIT = PAL - Italics		-	-	-	-	2	-	-	60	

Monitoring Well MW-1200

PVC Elevation =

96.8 (feet)

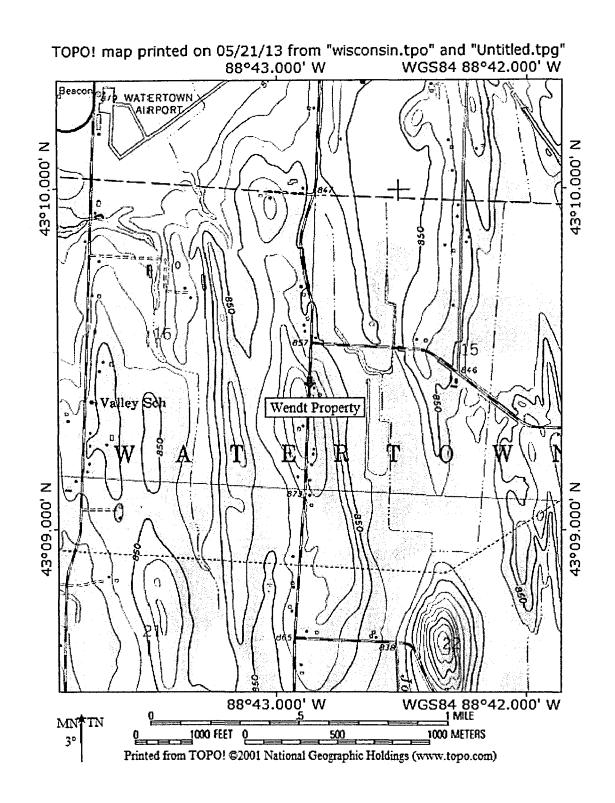
Date	Water Elevation (ft MSL)	Dissolved Oxygen (ppm)	рН	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppb)	Man- ganese (ppb)
05/17/12	54.51	4.71	7.26	233	12.4	436	7.3	82.8	<60	67.6
NFORCE MENT STANDARD = ES - Bold		-		-	-	10	-		300	

Private Well - N8615 (New)

	Water	Dissolved					Nitrate +	Total	Dissolved	Man-
Date	Elevation	Oxygen	pН	ORP	Temp	Specific	Nitrite	Sulfate	Iron	ganese
	(ft MSL)	(ppm)			(C)	Conductance	(ppm)	(ppm)	(ppb)	(ppb)
05/17/12	NM	NM	NM	NM	NM	NM	<0.1	98.2	140	159
ENFORCE ME	NT STANDARD	= ES – Bold	- 1-	-	-	-	10	-	-	300
PREVENTIVE ACTION LIMIT = PAL - Italics		-	-		-	2	-	-	60	

Attachment B/Maps and Figures

- **B.1 Location Maps**
 - **B.1.a Location Map**
 - **B.1.b Detailed Site Map**
 - B.1.c RR Site Map
- **B.2 Soil Figures**
 - **B.2.a Pre-remedial Soil Contamination**
 - **B.2.**b Pre-remedial Soil Contamination
 - **B.2.c Pre/Post Remaining Soil Contamination**
- **B.3 Groundwater Figures**
 - **B.3.a Geologic Cross-Section Figure(s)**
 - **B.3.b** Groundwater Isoconcentration
 - **B.3.c Groundwater Flow Direction**
 - **B.3.d Monitoring Wells**
- **B.4Vapor Maps and Other Media**
- **B.4.a Vapor Intrusion Map**
- B.4.b Other Media of Concern (e.g., sediment or surface water)



B.1.a SITE LOCATION MAP – CONTOUR INTERVAL 10 FEET WENDT PROPERTY – WATERTOWN, WI SEAMLESS USGS TOPOGRAPHIC MAPS ON CD-ROM



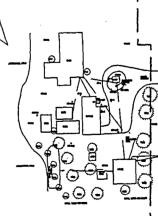
NOTE: THIS IS NOT A SURVEYED MAP.
MEASUREMENTS AND SPACIAL
RELATIONSHIPS MAY BE INCORRECT.

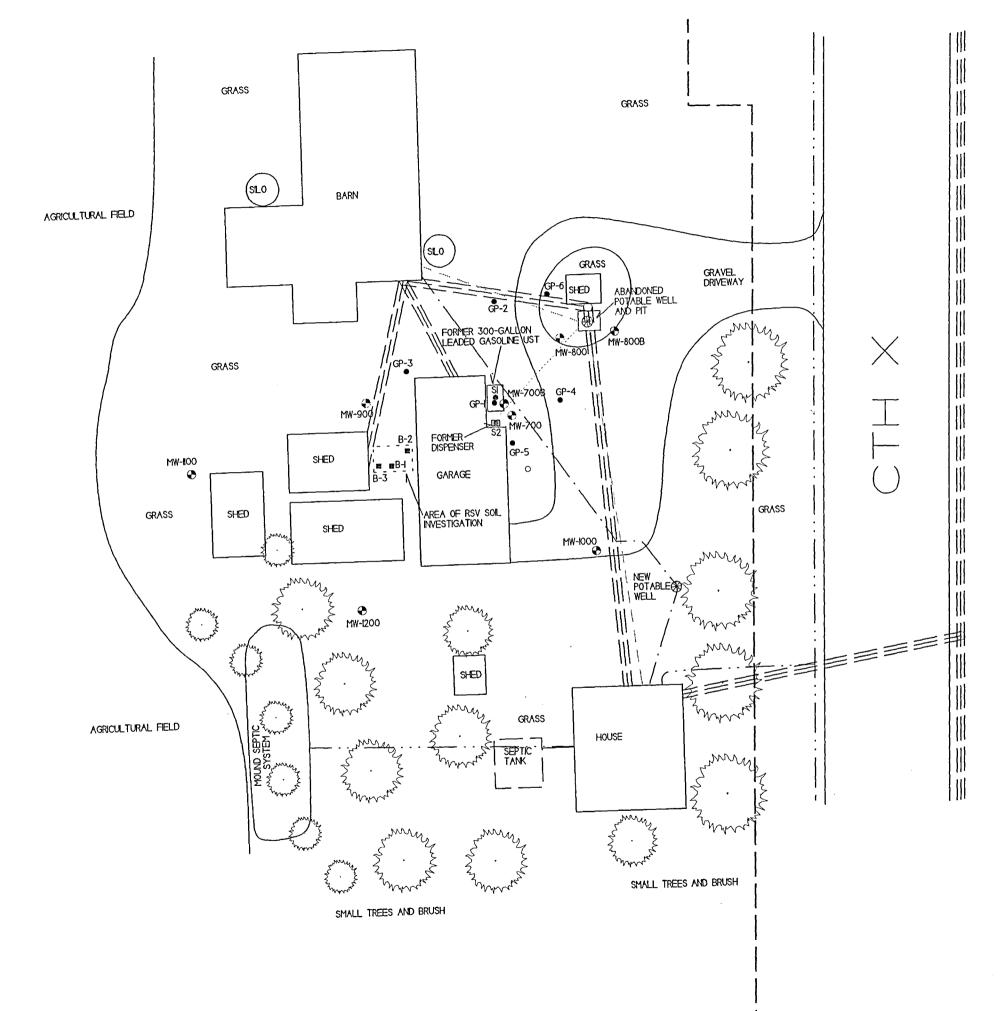


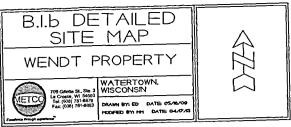
- - APPROXIMATE PROPERTY BOUNDRIES

WENDT PROPERTY N8615 COUNTY HIGHWAY X WATERTOWN. WI 53908

AREA OF LUST INVESTIGATION SEE DETAILED SITE MAP







NOTE: THS IS NOT A SURVEYED MAP. MEASUREMENTS AND SPACIAL RELATIONSHIPS MAY BE INCORRECT.

- - STILES ENGINEERING TANK REMOVAL SOIL SAMPLE LOCATION (1998)
- RSV GEOPROBE BORING LOCATIONS (2005)
- GEOPROBE BORING LOCATION
- MONITORING WELL LOCATION
- ABANDONED MONITORING WELL LOCATION
- POTABLE WELL LOCATION

TREES (APPROXIMATE LOCATION)

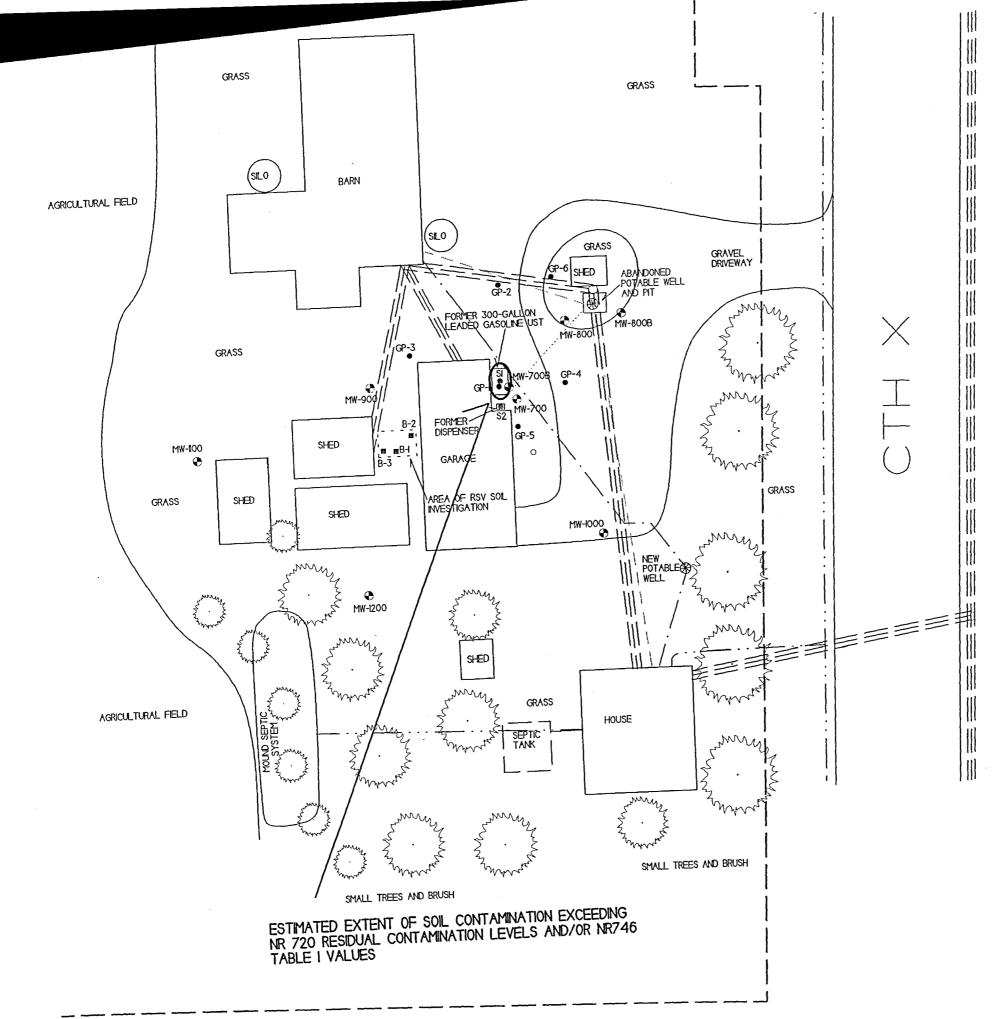
⊕ - ABANDONED POTABLE WELL LOCATION

	- WATER LINE
AND THE PROPERTY AND TH	- FORMER WATER LINE
,	- FORMER ABANDONED ELECTRICAL CONDUIT (IS INCHES BELOW GROUND SURFACE)
====	- OVERHEAD UTILITIES
	- NATURAL GAS

_ · · · --- - SEWER LINE

- - APPROXIMATE PROPERTY BOUNDRIES





B.2.a Pre-remedial Soil
Contamination Map

WENDT PROPERTY



WATERTOWN,
WISCONSIN

DRAWN BY: ED DATE: 05/8/06
HODFED BY: HH DATE: 04/8/



NOTE: THS IS NOT A SURVEYED MAP. MEASUREMENTS AND SPACIAL RELATIONSHIPS MAY BE INCORRECT.

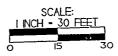
- STILES ENGINEERING TANK REMOVAL SOIL SAMPLE LOCATION (1998)
- RSV GEOPROBE BORING LOCATIONS (2005)
- GEOPROBE BORING LOCATION
- MONITORING WELL LOCATION
- ABANDONED MONITORING WELL LOCATION
- - POTABLE WELL LOCATION
- * ABANDONED POTABLE WELL LOCATION

- TREES (APPROXIMATE LOC	CATION)
	- WATER LINE

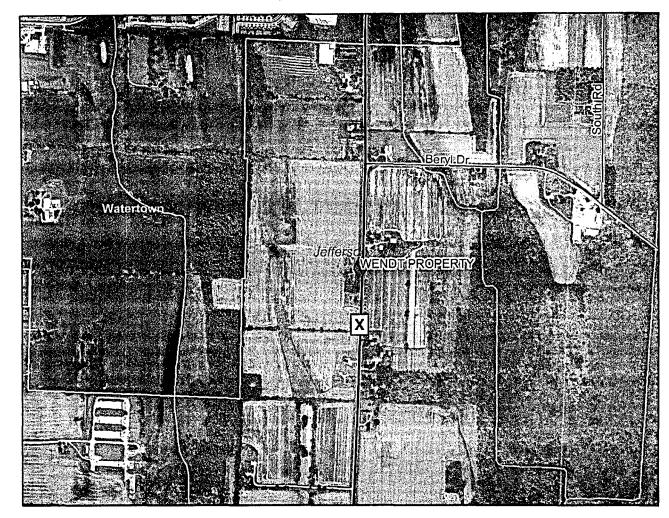
FORMER ABANDONED ELECTRICAL CONDUIT (5 INCHES BELOW GROUND SURFACE)

- FORMER WATER LINE

====	- OVERHEAD UTILITIES
	- NATURAL GAS
	- SEWER LINE
	- APPROXIMATE PROPERTY BOUNDRIES



B.1.c RR Site Map



3300 ft.

Map created on May 9, 2013

Note: Not all RR Sites have been geo-located yet.

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.

1100

2200

Notes: Wendt Property



Legend

- Open Sites (ongoing cleanups)
 Open Sites (ongoing cleanups) site boundaries shown
- Closed Sites (completed cleanups)

Closed Sites (completed cleanups) - site boundaries shown

- County Boundary
- Railroads خبر

County Roads (WDOT)

County Trunk Highway

State and U.S. Highways (WDOT)

State Trunk Highway

US Highway

interstate Highways (WDOT)

- ✓ Interstate Highway
- Local Roads (WDOT)

Civil Towns

Civil Town

24K Open Water

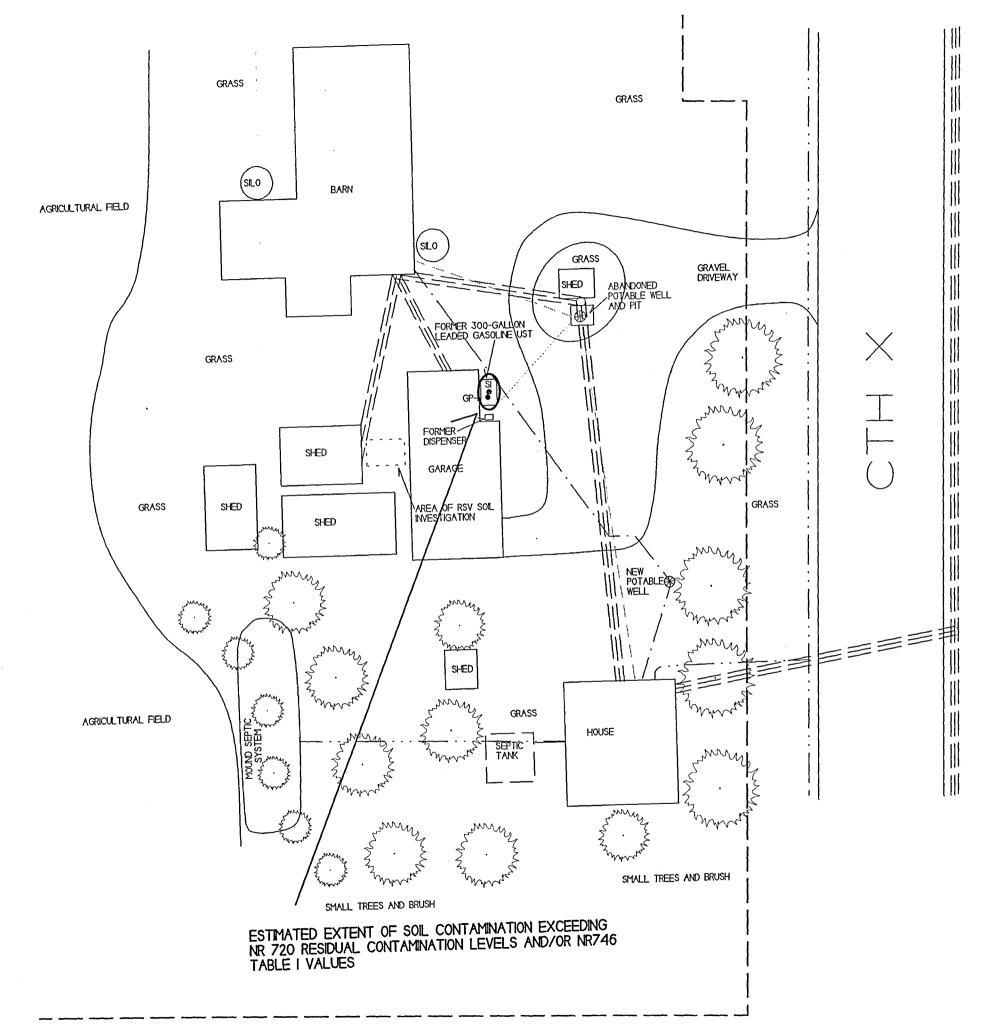
24K Rivers and Shorelines Municipalities

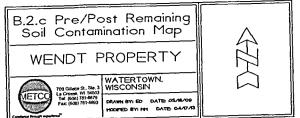


Scale: 1:11,528

WDNR Site Name: Wendt Property

B.2.b Pre-remedial Soil Contamination - No remedial actions/sampling occurred at this site.





NOTE: THIS IS NOT A SURVEYED MAP. MEASUREMENTS AND SPACIAL. RELATIONSHIPS MAY BE INCORRECT.

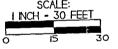
- - STILES ENGINEERING TANK REMOVAL SOIL SAMPLE LOCATION (1998)
- RSV GEOPROBE BORING LOCATIONS (2005)
- GEOPROBE BORING LOCATION
- MONITORING WELL LOCATION
- ABANDONED MONITORING WELL LOCATION
- - POTABLE WELL LOCATION

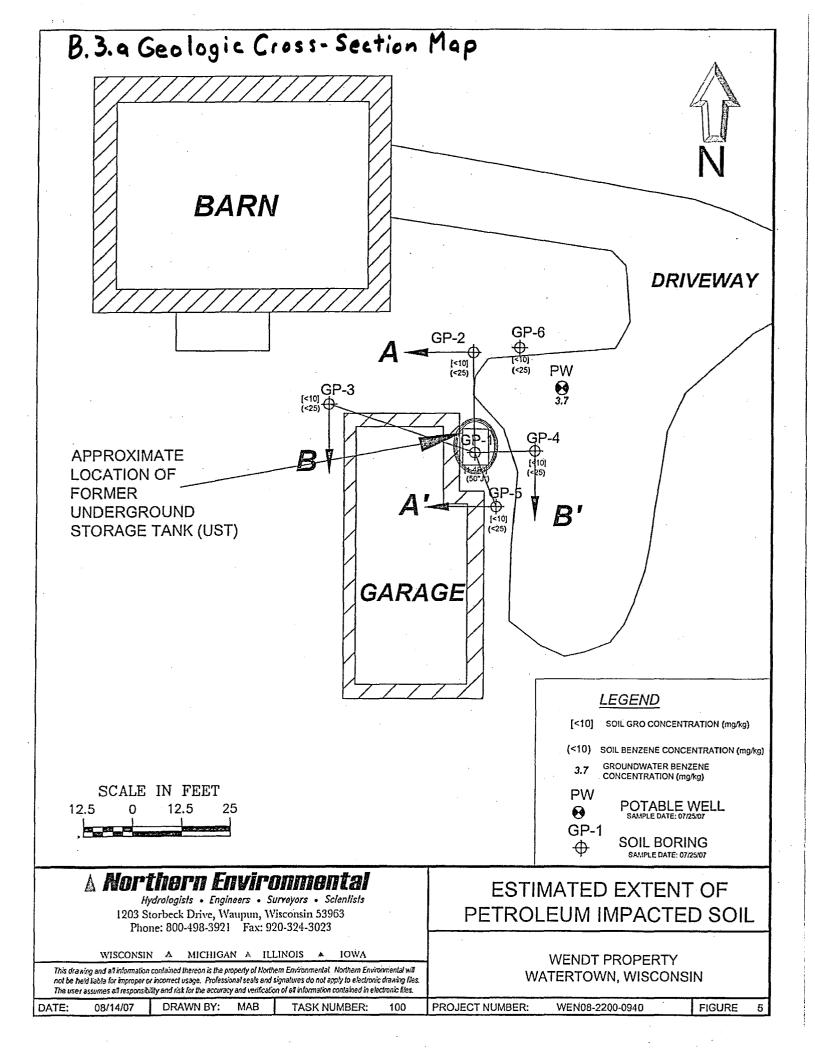
TREES (APPROXIMATE LOCATION)

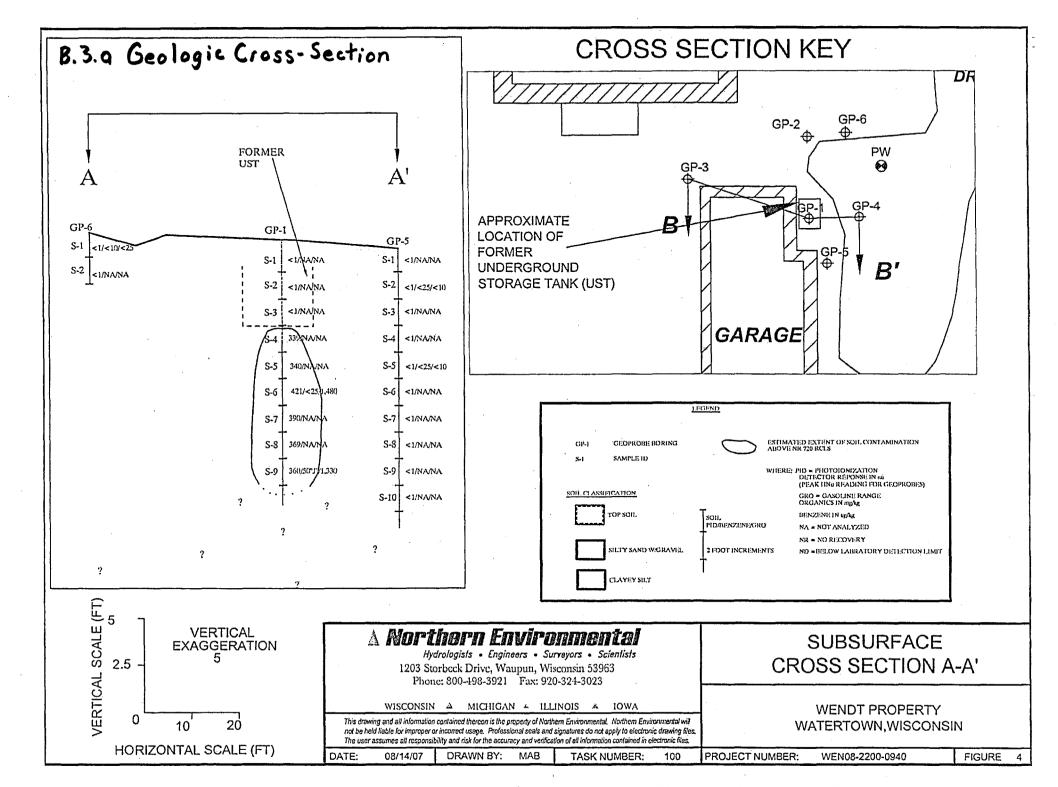
- * ABANDONED POTABLE WELL LOCATION
- WATER LINE
 FORMER WATER LINE
 FORMER ABANDONED ELECTRICAL CONDUIT
 (IS INCHES BELOW GROUND SURFACE)
 OVERHEAD UTILITIES
 NATURAL GAS

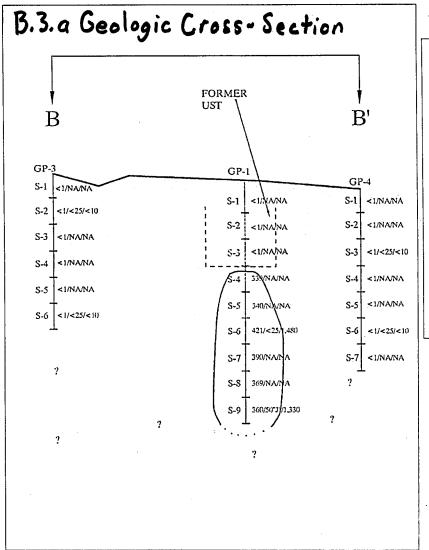
- APPROXIMATE PROPERTY BOUNDRIES

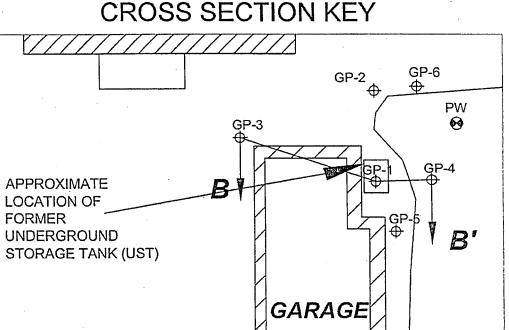
. . ____ - SEWER LINE

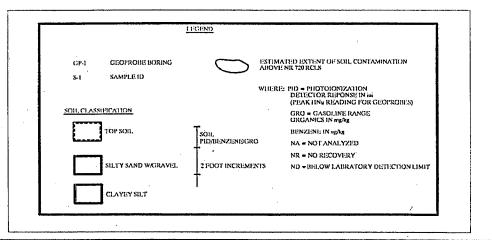


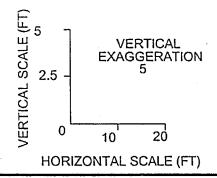












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Hydrologists • Engineers • Surreyors • Scientists 1203 Storbeck Drive, Waupun, Wisconsin 53963

Phone: 800-498-3921 Fax: 920-324-3023

WISCONSIN A MICHIGAN A ILLINOIS A IOWA

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08/14/07 DRAWN BY: MAB TAS

DATE:

TASK NUMBER: 100

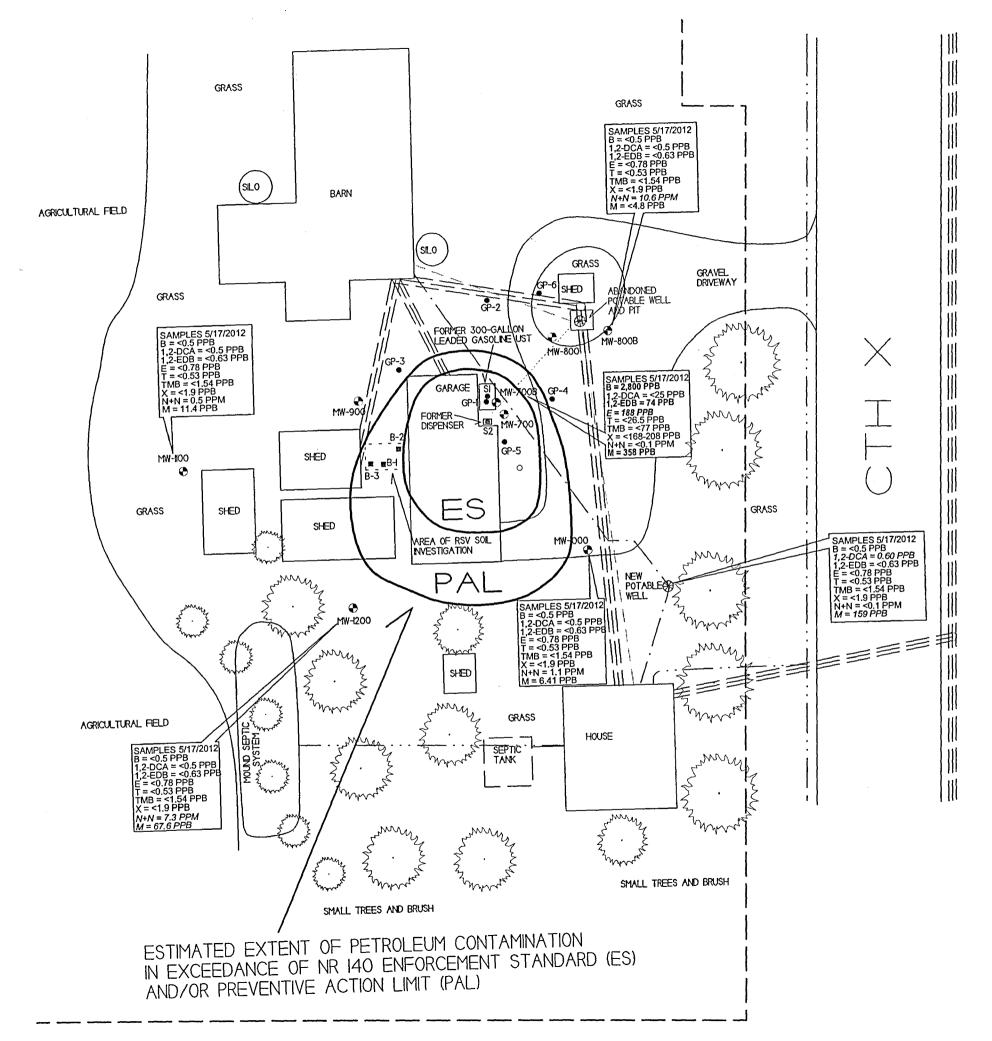
SUBSURFACE CROSS SECTION B-B'

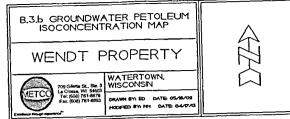
WENDT PROPERTY WATERTOWN, WISCONSIN

PROJECT NUMBER:

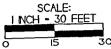
WEN08-2200-0940

FIGURE





NOTE: THIS IS NOT A SURVEYED MAP. MEASUREMENTS AND SPACIAL RELATIONSHIPS MAY BE INCORRECT.



- - STILES ENGINEERING TANK REMOVAL SOIL SAMPLE LOCATION (1998)
- RSV GEOPROBE BORING LOCATIONS (2005)
- GEOPROBE BORING LOCATION
- MONITORING WELL LOCATION
- ABANDONED MONITORING WELL LOCATION
- → POTABLE WELL LOCATION
- * ABANDONED POTABLE WELL LOCATION
- TREES (APPROXIMATE LOCATION)

 •	 -	 -	IIVIEN FOR	

FORMER ABANDONED ELECTRICAL CONDUIT
 15 INCHES BELOW GROUND SURFACE)

___ FORMER WATER LINE

WATED INC

======= - OVERHEAD UTILITIES — · · · — - NATURAL GAS

. . . ____ — • SEWER LINE

- APPROXIMATE PROPERTY BOUNDRIES

NOTE: RESULTS ARE FROM THE SAMPLING EVENT CONDUCTED ON MAY 17. 2012. BOLD RESULTS = NR 140 ENFORCEMENT STANDARD (ES) EXCEEDANCE ITALICS RESULTS = NR 140 PREVENTIVE ACTION LIMIT (PAL) EXCEEDANCE

KEY TO RESULTS

B - BENZENE

E - ETHYLBENZENE

T - TOLUENE

TMB - TRIMETHYLBENZENES

X - XYLENE

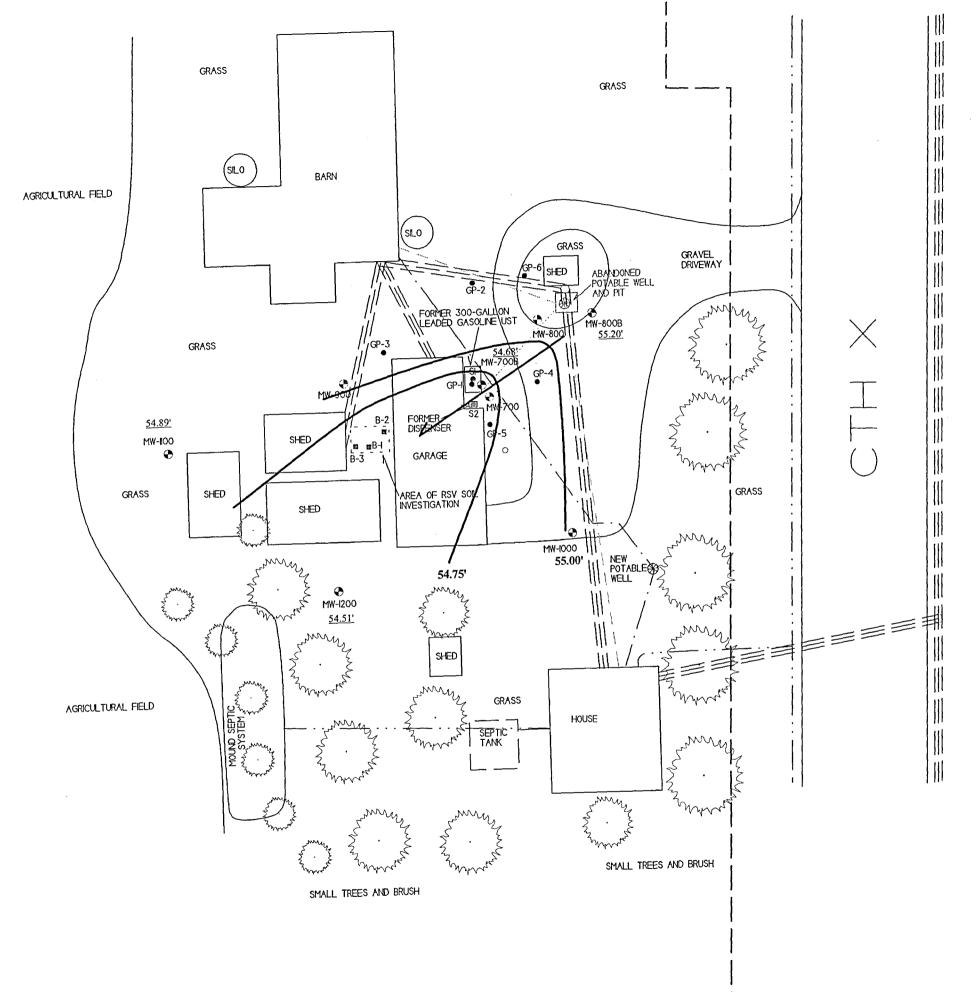
N+N - NITRATE + NITRITE

M - MANGANESE

NOTE: MONITORING WELLS MW-800B AND MW-1200 SHOWED PAL EXCEEDANCES FOR NITRATE + NITRITE (10.6 & 7.3 PPM RESPECTFULLY).

MONITORING WELL MW-1200 ALSO SHOWED A PAL EXCEEDANCE FOR FOR MANGANESE (67.6 PPB).

THE ON-SITE POTABLE WELL SHOWED PAL EXCEDANCESS FOR MANGANESE (159 PPB) AND I.2-DCA (0.60 PPB). THE ON-SITE POTABLE HAS SHOWN A PAL EXCEEDANCE IN ALL BUT TWO ROUNDS OF SAMPLING SINCE IT WAS INSTALLED.



B.3.c GROUNDWATER FLOW DIRECTION MAP MAY 17. 2012

WENDT PROPERTY





NOTE: THIS IS NOT A SURVEYED MAP. MEASUREMENTS AND SPACIAL RELATIONSHIPS MAY BE INCORRECT.

- - STILES ENGINEERING TANK REMOVAL SOIL SAMPLE LOCATION (1998)
- RSV GEOPROBE BORING LOCATIONS (2005)
- GEOPROBE BORING LOCATION
- MONITORING WELL LOCATION
- ABANDONED MONITORING WELL LOCATION
- → POTABLE WELL LOCATION
- ⊕ ABANDONED POTABLE WELL LOCATION
- TREES (APPROXIMATE LOCATION)

____ - WATER LINE

- FORMER WATER LINE

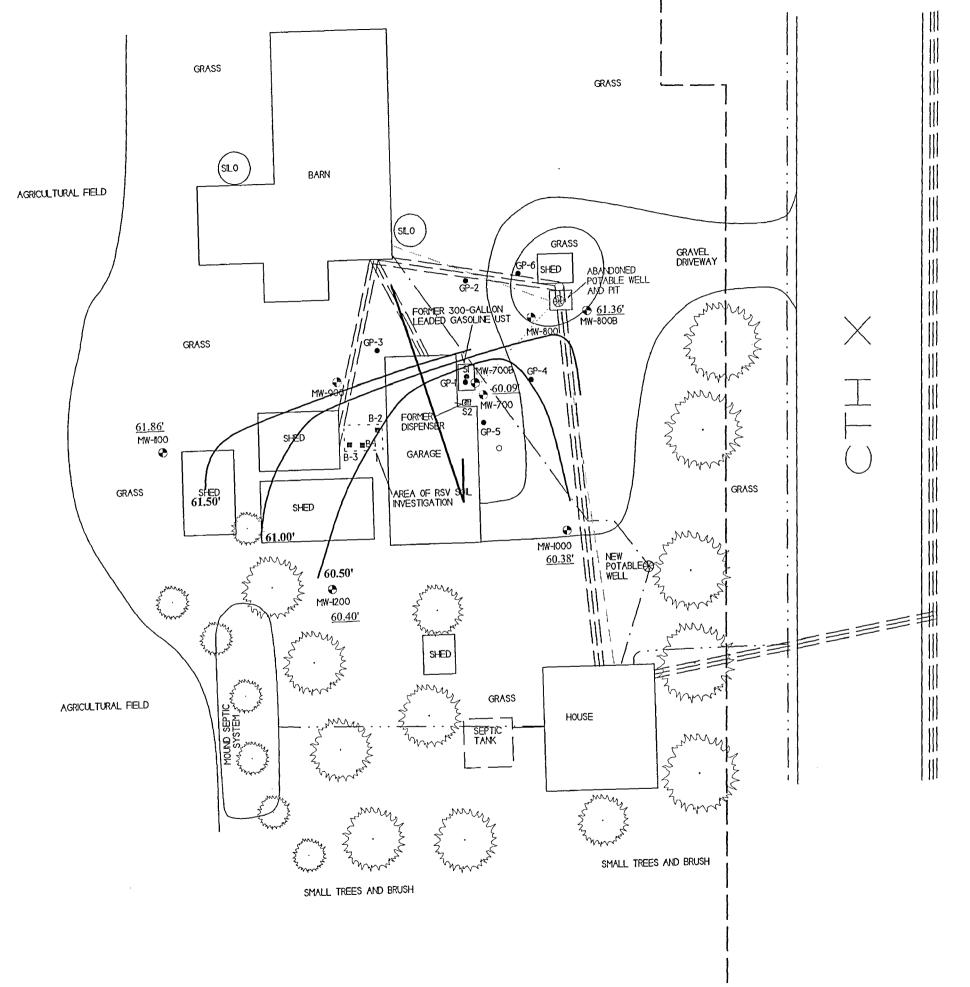
FORMER ABANDONED ELECTRICAL CONDUIT
(15 INCHES BELOW GROUND SURFACE)

======= - OVERHEAD UTILITIES - NATURAL GAS

. . . ____ . . . _ - SEWER LINE

- - APPROXIMATE PROPERTY BOUNDRIES

, - GROUNDWATER FLOW DIRECTION



B.3.c GRPUNDWATER FLOW DIRECTION MAP MAY 16. 2011

WENDT PROPERTY





NOTE: THIS IS NOT A SURVEYED MAP. MEASUREMENTS AND SPACIAL RELATIONSHIPS MAY BE INCORRECT.

- - STILES ENGINEERING TANK REMOVAL SOIL SAMPLE LOCATION (1998)
- RSV GEOPROBE BORING LOCATIONS (2005)
- GEOPROBE BORING LOCATION
- MONITORING WELL LOCATION
- ABANDONED MONITORING WELL LOCATION
- ♣ POTABLE WELL LOCATION
- * ABANDONED POTABLE WELL LOCATION
- TREES (APPROXIMATE LOCATION)

_ . ____ • WATER LINE

- FORMER WATER LINE

FORMER ABANDONED ELECTRICAL CONDUIT
(15 INCHES BELOW GROUND SURFACE)

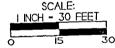
 $\equiv \equiv \equiv \equiv$ - OVERHEAD UTILITIES

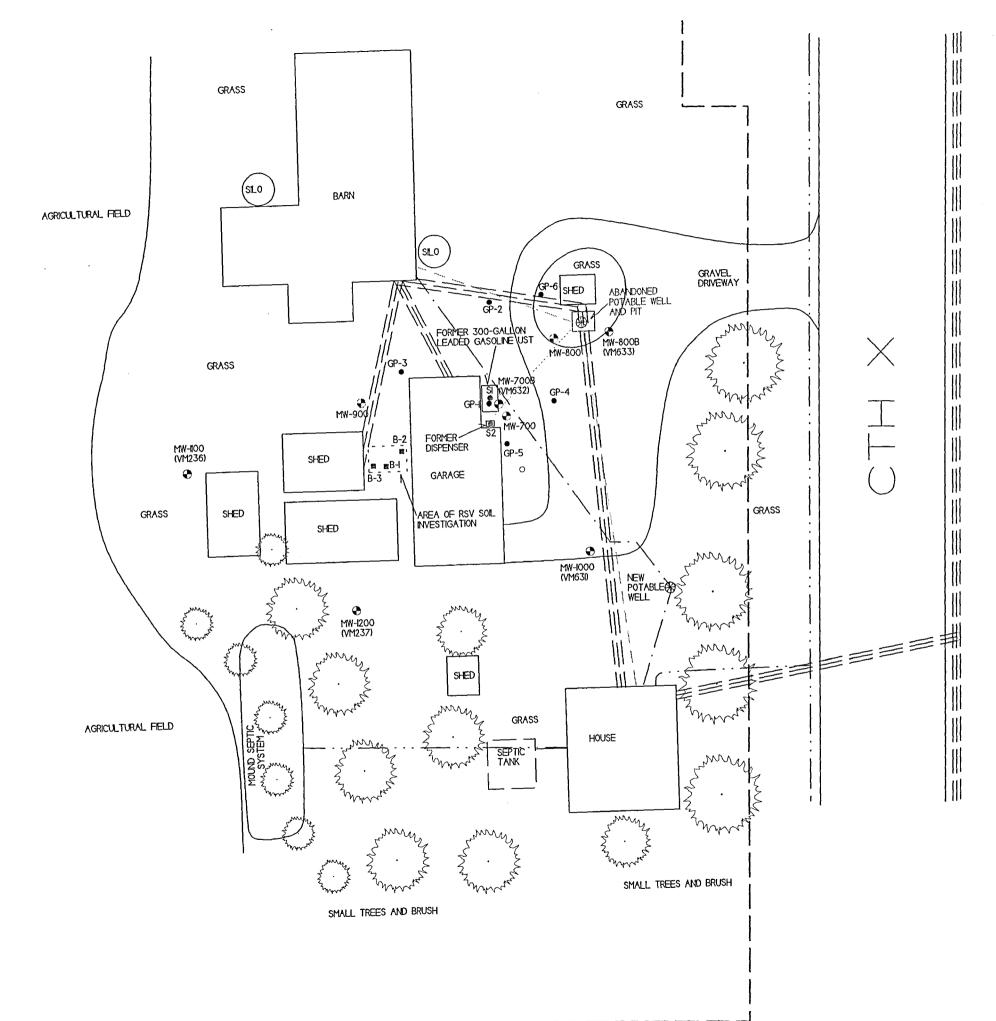
___ - - - __ NATURAL GAS

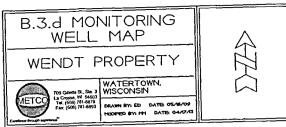
- APPROXIMATE PROPERTY BOUNDRIES

__ · · · — • SEWER LINE

- GROUNDWATER FLOW DIRECTION







NOTE: THIS IS NOT A SURVEYED MAP. MEASUREMENTS AND SPACIAL RELATIONSHIPS MAY BE INCORRECT.

- - STILES ENGINEERING TANK REMOVAL SOIL SAMPLE LOCATION (1998)
- RSV GEOPROBE BORING LOCATIONS (2005)
- GEOPROBE BORING LOCATION
- MONITORING WELL LOCATION PROPOSED FOR ABANDONMENT
- ABANDONED MONITORING WELL LOCATION
- ♣ POTABLE WELL LOCATION
- → ABANDONED POTABLE WELL LOCATION

- TREES (APPROXIMATE LOCATION)
WATER LINE
FORMER WATER LINE
FORMER ABANDONED ELECTRICAL CONDU (15 INCHES BELOW GROUND SURFACE)
= = = - OVERHEAD UTILITIES
NATURAL GAS
sewer line

- APPROXIMATE PROPERTY BOUNDRIES



B.4.a Vapor Intrusion Map - No vapor samples were assessed as part of the site investigation.

WDNR Site Name: Wendt Property

B.4.b Other Media of Concern (e.g., sediment or surface water) - No surface waters or sediments were assessed as part of the site investigation.

Attachment C/Documentation of Remedial Action

- C.1 Site Investigation documentation
- C.2 Investigative waste
- C.3 NR 720.19 analysis
- C.4 Construction documentation
- C.5 Decommissioning of Remedial Systems
- C.6 Photos

C.1 Site Investigation Documentation

3. Site Investigation Summary

A. General

i. Provide a brief summary of the site investigation history. Reference previous submittals by name and date. Describe site investigation activities undertaken since the last submittal for this project and attach the appropriate documentation in Attachment C, if not previously provided.

In December 1998, petroleum contamination discovered during removal of an approximately 300 gallon UST by Stiles Engineering.

During 2003, RVS Engineering, Inc supervised the advancement of soil borings in location believed to be area of removed UST. (Status Report, November 11, 2005)

On January 12, 2006 James Kralic of the Wisconsin DNR and Allen Knopp of RVS Engineering met with Mr. Wendt to discuss the location of the RVS goeprobe borings and the location of the removed UST location.

July 25, 2007, Northern Environmental supervised the advancement of six geoprobe borings and collected a water sample from the on-site private well. (Site Investigation Report, August 27, 2007)

September 17, 2007, Northern Environmental collected a water sample from the on-site private well.

August 11-12, 2008 Northern Environmental supervised the completion of three soil borings which were converted to monitoring wells (MW-700, MW-800, & MW-900) and collected a water sample from the on-site private well. (Status Report, September 26, 2008)

On April 28, 2009, Sam's Well Drilling of Randolph, Wisconsin inspected the on-site private well with a down-hole camera. All Lines Utility Service of Wauwatosa, Wisconsin located the private utilities on the property. METCO personnel collected groundwater samples (MW-700, MW-800, & MW-900) and private well samples (N8579, N8615, & N8632 CTH X). (Summary Report, May 29, 2009)

On April 28, 2009, DKS Construction Services, Inc. of Menomonie, Wisconsin picked up and disposed of nine drums of soil and two drums of water at the La Crosse County Landfill in La Crosse, WI.

From August 4-7, 2009, Bill Van De Yacht Well Water of De Pere, Wisconsin under METCO supervision and direction conducted a drilling project to install a new private well on-site, installation of new water lines, and abandonment of the old on-site private well and well pit. (Letter Report, August 31, 2009)

On August 10, 2009, Hady Electric, Inc. of Watertown returned power to the on-site outbuildings and barn. (Letter Report, August 31, 2009)

On October 20, 2009, METCO personel collected a water sample from the new on-site

private well. All on-site monitoring wells were dry during the sampling event. (Letter Report, November 13, 2009)

On January 27, 2010, Ground Source of De Pere, WI conducted a drilling project under METCO supervision and direction to install and develop three monitoring wells (MW-700B. MW-800B, & MW-1000). METCO personnel also collected a water sample from the on-site private well. (Letter Report, March 9, 2010)

On January 28, 2010, METCO personnel collected groundwater samples from monitoring wells MW-700B, MW-800B, and MW-1000. Monitoring wells MW-700, MW-800, and MW-900 were dry during the sampling event. (Letter Report, March 9, 2010)

On March 31, 2010, DKS Construction Services, Inc. of Menomonie, Wisconsin picked up and disposed of ten drums of drill cuttings at the Lincoln County Landfill in Merrill, WI. (Groundwater Monitoring Report, May 27, 2010)

On April 28, 2010, METCO personnel collected groundwater samples from monitoring wells MW-700B, MW-800B, and MW-1000 and the on-site private well. Monitoring wells MW-700, MW-800, and MW-900 were dry during the sampling event. (Groundwater Monitoring Report, May 27, 2010)

On January 24, 2011, Ground Source of De Pere, WI conducted a drilling project under METCO supervision and direction to install and develop two monitoring wells (MW-1100 & MW-1200). METCO personnel also abandoned monitoring wells MW-700, MW-800, and MW-900. (Groundwater Monitoring Report, June 22, 2011)

On February 15, 2011, METCO personnel collected groundwater samples from monitoring wells MW-700B, MW-800B, MW-1000, MW-1100, and MW-1200 and the on-site private well. (Groundwater Monitoring Report, June 22, 2011)

On May 16, 2011, METCO personnel collected groundwater samples from monitoring wells MW-700B, MW-800B, MW-1000, MW-1100, and MW-1200 and the on-site private well. (Groundwater Monitoring Report, June 22, 2011)

On November 28, 2011, METCO personnel collected groundwater samples from monitoring wells MW-700B, MW-800B, MW-1000, MW-1100, and MW-1200 and the on-site private well. (Groundwater Monitoring Report, September 6, 2012)

On May 17, 2012, METCO personnel collected groundwater samples from monitoring wells MW-700B, MW-800B, MW-1000, MW-1100, and MW-1200 and the on-site private well. (Groundwater Monitoring Report, September 6, 2012)

On September 08, 2012 DKS Transport Services, LLC picked up and disposed of one drum of water at the Bloomer Wastewater Treatment Plant in Bloomer, WI.

A total of nine rounds of groundwater sampling were conducted from August 2008 to May 2012.

Based on current and historical data, METCO recommends that the site be reviewed for "Closure" for the following reasons: 1) The extent and degree of petroleum contamination has been defined to a practical extent. 2) There is no known direct contact risk. 3) No free product has been encountered in any well. 4) The overall contaminant trends in groundwater appear to be stable to decreasing. 5) Based on the distance from the house to the contaminated soil, there does not appear to be any risk of vapor intrusion at this time. 6) Of the maximum reimbursable \$100k PECFA budget eligible for this site, approximately \$96,000 have been spent thus far. However, it still needs to be mentioned that the main issue at this site continues to be the presence of 1,2-DCA in the new potable well at PAL levels.

C.2 Investigative Waste DK Sconstruction Services, Inc. 2520 WILSON STREET MENOMONIE, WI 54751

Invoice

DATE	INVOICE#
4/29/2009	27298

BILL TO	
CHARLES WENDT 305 ELIZABETH STREET WATERTOWN, WI 53098	

			•	P.O. NO. (OR PROJECT	TERMS
~ ^			•	WATERTO	DWN DRUMS	Due on receip
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		MOBILIZATION D DISPOSE OF SOIL DRUMS D DISPOSE OF WATER DRU			266.4 100.1 38.9	5 901.3
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1.50/ D				at due aggounts	·	
	PHONE 15) 235-2600	18% Annual Percentage Rate) FAX 715-235-6661		E-MAIL Odks54751.com	Total	\$1,245.70

TOPSOIL, FILL, GRAVEL, LANDSCAPE ROCK, BOULDER CREEK STONE PLUS MUCH MORE.

A BUCKET ... A BARRELL ... OR WE CAN DELIVER BY THE TRUCK LOAD.
HOME & COMMERCIAL EXCAVATING, BASEMENTS, DRIVEWAYS, DOZER WORK AND LOADER WORK

Construction Services, Inc. 2520 WILSON ST. MENOMONIE, WI 54751

Invoice

DATE	INVOICE #
3/31/2010	27957

BILL TO CHARLES WENDT 305 ELIZABETH STREET WATERTOWN WI 53098 ...

TERMS Due on receipt P.O. NO. OR PROJECT DRUMS

QTY.	DESCRIPTION	RATE	AMOUNT
1 10	MOBILIZATION/DEMOBILIZATION PICK UP, HAUL, AND DISPOSE OF SOIL DRUMS	266.47 100.15	266.47 1,001.50
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A service charge of 1 12% per month (18% annual percentage rate) will be charged on accounts over 30 days past due. If you find any problems or have questions regarding this invoice, please call our office within five (5) days. If not, we assume it is entirely correct and you will be responsible for all charges. If payment is not made as stated, all costs and attorneys fees incurred in enforcing this invoice will be the responsibility of the customer and/or owner.

Subtotal \$1,267.97

Sales Tax (0.00) \$0.00

Total Due \$1,267.97

SUBCONTRACTOR IDENTIFICATION NOTICE

AS REQUIRED BY THE WISCONSIN CONSTRUCTION LIEN LAW, CONTRACTOR HEREBY NOTIFIES THAT PERSONS OR COMPANIES FURNISHING LABOR OR MATERIALS FOR THE CONSTRUCTION ON OWNER'S LAND MAY HAVE LIEN RIGHTS ON THAT LAND OR ON THE BUILDINGS ON THAT LAND IF THEY ARE NOT PAID FOR SUCH LABOR OR MATERIALS. THOSE ENTITLED TO LIEN RIGHTS, IN ADDITION TO THE UNDERSIGNED CONTRACTOR ARE THOSE WHO CONTRACT DIRECTLY WITH THE OWNER OR THOSE WHO GIVE THE OWNER NOTICE WITHIN 60 DAYS AFTER THEY FIRST FURNISH LABOR OR MATERIALS FOR THE CONSTRUCTION.ACCORDINGLY, OWNER PROBABLY WILL RECEIVE NOTICES FROM THOSE WHO FURNISH LABOR OR MATERIALS FOR THE CONSTRUCTION, AND SHOULD GIVE A COPY OF EACH NOTICE RECEIVED TO HIS MORTGAGE LENDER, IF ANY. CONTRACTOR AGREES TO COOPERATE WITH THE OWNER AND HIS LENDER, IF ANY, TO SEE THAT ALL POTENTIAL LIEN CLAIMANTS ARE DULY PAID.

> TOPSOIL, FILL, GRAVEL, LANDSCAPE ROCK, BOULDER CRÉEK STONE PLUS MUCH MORE.

A BUCKET ... A BARRELL ... OR WE CAN DELIVER BY THE TRUCK LOAD. HOME & COMMERCIAL EXCAVATING, BASEMENTS, DRIVEWAYS, DOZER WORK AND LOADER WORK

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SIGNATURE

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OK

The Comments of the

WDNR BRRTS Case # 03-28-211144 WDNR Site Name: Wendt Property

C.3 NR 720.19 analysis - Wisconsin Administrative Code Chapter NR720 Residual Contaminant Levels (RCLs) along with chapter NR 746 Table 1 & 2 levels were used to establish the soil cleanup standards for this site assuming residential land use classification.

C.4 Construction documentation - No remedial actions and/or interim actions specified in s. NR724.01(1) occurred at this site.

WDNR Site Name: Wendt Property

WDNR Site Name: Wendt Property

C.5 Decommissioning of Remedial Systems - No remedial systems are being used at this site.

WDNR Site Name: Wendt Property

C.6 Photos - No covers, performance standards, structural impediment, or vapor mitigation systems exist at this site.

Attachment D/Maintenance Plan(s)

- D.1 Location map(s)
- D.2 Brief descriptions
- D.3 Description of maintenance action(s)
- D.4 Inspection log
- D.5 Contact information

WDNR Site Name: Wendt Property

D.1 Location map(s) - No Maintenance Plan is being submitted for this property.

D.2 Brief descriptions - No Maintenance Plan is being submitted for this property.

WDNR Site Name: Wendt Property

D.3 **Description of maintenance action(s)** - No Maintenance Plan is being submitted for this property.

D.4 Inspection log - No Maintenance Plan is being submitted for this property.

WDNR Site Name: Wendt Property

D.5 Contact information - No Maintenance Plan is being submitted for this property.

Attachment E/Monitoring Well Information

All monitoring wells have been located and will be properly abandoned upon DNR granting conditional closure to site.

Attachment F/Notification to Owners of Impacted Properties

No notifications are being issued for this site as the RP is the property owner and the contamination does not extend beyond the property boundaries.

WDNR Site Name: Wendt Property

Attachment G/Source Legal Documents

- G.1 Deeds Source Property and Other Impacted Properties
- **G.2** Certified Survey Map
- **G.3** Verification of Zoning
- **G.4** Signed Statement

900865

STATE DAR OF WISCONSIN FORM 3 QUIT CLAIM DEED

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Luanda Wendt	STATE DE MISCONSIN }
***************************************	Proshed for record the 23rd B
quit-claims to Charles & Luanda Wendt Farms, Inc.	Tennary Land 1915
	TONGO E KOT Profite
the following described real estate in .Iefferson State of Wisconsin:	County,
	Thomas L. Smallwood 735 N. Water Street #15
	Milwaukee, WI 53202 08-15-15-23
See Attached	Tax Parcel No.08-15-16-41 08-15-16-44
	08-15-21-11-001 08-15-22-21-001
	08-15-22-22

This is not homestead property.	
Dated this Ist	nuary 19.93
Suanda Hendt (SEAL)	(SEAL)
	•
21K/2 Luanda It Kerdt (SEAL)	(SEAL)
***************************************	* . *
AUTHENTICATION Luanda Wendt	ACKNOWLEDGMENT STATE OF WISCONSIN ()
authenticate Othis 15t age of January 1993	Personally came before me this
. Thomas L. Smallwood TITLE: MEMBER STATE BAR OF WISCONSIN	
(If not, authorized by 5 700.06, Wis, Stats.)	to me known to be the person who executed the
THIS INSTRUMENT WAS DRAFTED BY	foregoing instrument and acknowledge the same.
Lynn A. Ludke	•
(Signatures may be authenticated or ficknowledged. Both are not necessary.)	Notary Public
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VOL 830 # 52 980

LEGAL DESCRIPTION AND TAX PARCEL NUMBERS

Legal Description:

The Northeast Quarter (NE%) of the Southeast Quarter (SE%) of Section Sixteen (16), Township Eight (8) North, of Range Fifteen (15) East, containing 40 acres of land, according to Government Survey, excepting therefrom a strip of land 2 rods wide and 80 rods long running North and South and being the West 2 rods of said described property conveyed by deed by Charles F. Wendt and Lydia R. Wendt, his wife, on July 5, 1927, to the Watertown Silver Fox and Fur Company, a Wisconsin Corporation, and Watertown Silver Black Fox Company, a Wisconsin Corporation, jointly, and recorded in the office of the Register of Deeds for Jefferson County, Wisconsin, on July 6, 1927, in Volume 181 of Deeds, on page 11, and also the North 2 acres of the Southeast Quarter (SE%) of the Southeast Quarter (SE%) of Section Sixteen (16), in the Township and Range aforesaid, the South line of said 2 acres to run parallel with the North line of the quarter quarter section last aforesaid; and also the North Quarter (Nk) of the Scuthwest Quarter (SW%) of the Northwest Quarter (NW%) of Section Fifteen (15), in the Township and Range aforesaid, containing 10 acres of land, to be the same more or less; also a certain strip of land conveyed by the said August Oestreich and Ernestine Oestreich, his wife, to one Fred W. Boettchel by deed bearing date September 10, 1891, and recorded in the office of the Register of Deeds of said Jefferson County, September 11, 1891, at 1:00 P.M., in Volume 97 of Deeds, on Page 109, and also the North 20 acres, rectangular in form, of the South Three-Quarters (S 3/4) of said Southwest Quarter (SWk) of the Northwest Quarter (NW%) of Section Fifteen (15), in the Township and Range aforesaid; and containing altogether 71 acres of land, be the same more or less.

Subject to and together with a Drainage Ditch Agreement dated October 20, 1947, and recorded in the office of the Register of Deeds of Jefferson County, Wisconsin, on November 1, 1947, in Volume 15 of Miscellaneous, page 581-582, Document No. 419262.

All situated in the County of Jefferson and State of Wisconsin.

All that part of the Southeast Quarter (SE%) of the Southeast Quarter (SE%) of Section Sixteen (16), Township Eight (8) North, of Range Fifteen (15) East, excepting and reserving the South 22% acres conveyed to one Fred Brandes, and further excepting a strip 4 rods wide off the North side conveyed to August Oestreich, and leaving 15% acres more or less, and being in the Town of Watertown, County of Jefferson, and State of Wisconsin.

The Northwest Quarter (NW%) of the Northwest Quarter (NW%) of Section Twenty-two (22), Township Eight (8) North, Range Fifteen (15) East, except a strip 10 links wide sold off the South side thereof to Charles Mueller on January 3, 1876; also, the North

VOL 830 FASE 981

Half (N4) of the South Half (S4) of the Northwest Quarter (NW4) of the Northwest Quarter (NW4) of said Section Twenty-two (22) aforesaid. Situated in the County of Jefferson and State of Wisconsin.

The West 12 rods of the North Half (N½) of the Northeast Quarter (NE½) of the Northwest Quarter (NW½) of Section Twenty-two (22), Township Eight (8) North, Range Fifteen (15) East, containing 3 acres of land, more or less. Situated in the County of Jefferson and State of Wisconsin. Subject to and together with a Drainage Ditch Agreement dated October 20, 1947, and recorded in the office of the Register of Deeds of Jefferson County, Wisconsin, on November 1, 1947, in Volume 15 of Miscellaneous, page 581-582, Document No. 419262.

The South Half (S\(\frac{1}{2}\)) of the South Half (S\(\frac{1}{2}\)) of the Northeast Quarter (NE\(\frac{1}{2}\)) of Section Twenty-one (21), Township Eight (8) North, Range Fifteen (15) East, containing 10 acres of land, more or less, and being situated in the Town of Watertown, subject to an easement to the Milwaukee Light, Heat and Traction Company, recorded December 2, 1913, in Volume 132, on page 461.

Excepting therefrom, however, the following: Commencing at the Southeast corner of the fractional quarter; thence North along the East line of Section Twenty-one (21) a distance of 150 feet; thence South 89° 32' West a distance of 218 feet; thence South a distance of 150 feet to the South line of the fractional quarter; thence North 89° 32' East along the said South line a distance of 218 feet to the place of beginning. All situated in the County of Jefferson and and State of Wisconsin.

Tax Parcel Numbers:

08-15-16-41 08-15-15-23 08-15-16-44 08-15-21-11-001

08-15-22-21-001 08-15-22-22 RE: Wendt Jefferson Co. Copy of Deed and CSM or Plat Map

G.2 Certified Survey Map

Subject: RE: Wendt Jefferson Co. Copy of Deed and CSM or Plat Map

From: Staci Hoffman < StaciH@jeffersoncountywi.gov>

Date: 5/23/2013 9:04 AM

To: 'Diana' <dianajs@metcohq.com>

Hi Diana,

The deed would be \$4.00, please request document 900865. This property is located in a metes and bounds description, there is not a CSM or plat associated with it.

Thanks!

Staci M. Hoffman
Jefferson County Register of Deeds
320 S. Main Street, Room 102
Jefferson, WI 53549
920-674-7236
920-674-7238 (fax)
stacih@jeffersoncountywi.gov

From: Diana [mailto:dianajs@metcohq.com] Sent: Wednesday, May 22, 2013 4:20 PM

To: Staci Hoffman

Subject: Wendt Jefferson Co. Copy of Deed and CSM or Plat Map

Can you tell me what the cost of a copy of the deed and plat or csm would be for parcel# 032-0815-1641-000?

Thank you,

Diana Symitczek

METCO - Environmental Program Assistant dianajs@metcohq.com / 608.781.8879
709 Gillette Street - Suite 3, La Crosse WI 54603 www.metcohq.com

NOTICE: This E-mail and any attachments may contain confidential information. Use further disclosure of the information by the recipient must be consistent with applicable laws, regulations and agreements. If you received this email in error, please notify the sender; delete the E-mail; and do not use, disclose or store the information it contains.

6.3 Verification of Zoning **Identify Results** Salvera duri citririla Active Layer: [Co Zoning] LAYER: Co Zoning (found features:1) Feature: 1 Feature Attribute Table: **AREA** 1731715.1544597 PERIMETER 5349.3550355277 CZONEB 3034 CZONEB ID 30681 032-0815-1641-000 PIN MUN 32 DIV **INRD DZONE** PETITN REZDATE 01/14/1975 **ZONE2012** A-1 FPP PLAN A ZONE LAYER: Surface Water (found features:0) LAYER: Parcels (found features:1) Feature: 1 Feature Attribute Table: PIN 032-0815-1641-000 Mailing Name 1 **CHARLES & LUANDA WENDT** Mailing Name 2 FARMS INC Mailing Address 305 ELIZABETH ST Post Office WATERTOWN State WI **ROD Doc#** 0658453/0787557/0900865 Prefix Ν Number 8615 Sufix St Dir Street Name CTHX Unit Post Office WATERTOWN Parcel Status Α 1996 Description Year Acerage 39.32 3 Tax District Assessment Year 2012 39.32 Assessment Acres

49700.0

Land Value

30006

166600.0
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3074.03
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LAYER: MCD Boundaries (found features:0)

LAYER: PLSS Sections (found features:1)

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TOWNSHIP	8
RANGE	15
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LAYER: PLSS Sections No (found features:0)

LAYER: Streams, Etc. (found features:0)

LAYER: Major Road Centerlines (found features:0)

LAYER: Road Centerline (found features:0)

LAYER: Parcel Lines (found features:0)

100

LAYER: Minor Hydro Names (found features:0)

LAYER: Major Hydro Names (found features:0)

G.4 Signed Statement

WDNR BRRTS Case #: 03-28-211144

WDNR Site Name: Wendt Property

Geographic Information System (GIS) Registry of Closed Remediation Sites

In compliance with the revisions to the NR 700 rule series requiring certain closed sites to be listed on the Geographic Information System (GIS) Registry of Closed Remediation Sites (Registry) effective Nov., 2001, I have provided the following information.

To the best of my knowledge the legal descriptions provided and attached to this statement are complete and accurate.

Responsible Party:

Charles L. Wendt (print name/title)

Charles L. Wendt

(print name/title)