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

Case Closure - GIS Registry

Form 4400-202 (R 8/16)

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. 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.). Incomplete forms will be considered "administratively incomplete" and processing of the request will stop until required information is provided.

Site Information

BRRTS No.	VPLE No.
03-71-562271	

Parcel ID No.
1910161

FID No.	WTM Coordinates X	WTM Coordinates Y
471199520	623425	404970

BRRTS Activity (Site) Name	WTM Coordinates Represent:
105 E Main Street Property - WI DOT	☐ Source Area ☒ Parcel Center

Site Address	City	State	ZIP Code
105 E Main Street	Winneconne	WI	54986

Acres Ready For Use
0.5

Responsible Party (RP) Name
Steven Brooks
Company Name

Mailing Address	City	State	ZIP Code
P.O. Box 42	Winneconne	WI	54986

Phone Number	Email
(920) 420-5011	boatguy2@hotmail.com

☒ Check here if the RP is the owner of the source property.

Environmental Consultant Name
Ron Anderson
Consulting Firm
METCO

Mailing Address	City	State	ZIP Code
709 Gillette Street, Suite 3	La Crosse	WI	54603

Phone Number	Email
(608) 781-8879	rona@metcohq.com

Fees and Mailing of Closure Request

1. **Send a copy of page one** of this form and the applicable ch. NR 749, Wis. Adm. Code, fee(s) to the DNR Regional EPA (Environmental Program Associate) at **http://dnr.wi.gov/topic/Brownfields/Contact.html#tabx3**. Check all fees that apply:

   ☒ $1,050 Closure Fee

   ☒ $350 Database Fee for Groundwater or Monitoring Wells (Not Abandoned)

   ☒ $300 Database Fee for Soil

   Total Amount of Payment $ $1,700.00

   ☐ Resubmittal, Fees Previously Paid

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 portion of the Site Summary Section is not relevant to the case closure request, you must fully explain the reasons why in the relevant section of the form. All information submitted shall be legible. Providing illegible information will result in a submittal being considered incomplete until corrected.

1. 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 105 E Main Street Property is located in the NE 1/4 of the NE 1/4, Section 21, Twp 21 N, R 15 E, in the Village of Winneconne, Winnebago County. The site is bound by E Main Street (STH 116) to the north, S 1st Avenue to the west, commercial properties to the east and residential properties to the south.

B. Prior and current site usage: Specifically describe the current and historic occupancy and types of use.
Prior to the 1950's, the subject property appears to have been undeveloped. A gas station was built on the property in the 1950's and operated until the 1970's. Since then, the property has been used as an auto repair facility, re-sale facility, boat repair facility, small engine repair facility, and an auto dealership. According to the former property owners, two 5,000-gallon gasoline USTs were removed from the property in the 1990's. Steven Brooks has owned the property since approximately 2008 and used the property for used car and boat sales. The building has been vacant since December 2016 and was razed in September 2017.

C. Current zoning (e.g., industrial, commercial, residential) for the site and for neighboring properties, and how verified (Provide documentation in Attachment G).
According to the Village of Winneconne zoning map, the subject property and surrounding properties are zoned "B-1 General Commercial".

D. Describe how and when site contamination was discovered.
On July 30-31, 2013, Himalayan consultants, LLC conducted a Phase 2 Hazardous Materials Investigation (P2HMI) for the Wisconsin Department of Transportation for an upcoming road reconstruction project. During the P2HMI, three soil borings were conducted at the subject property with six soil samples and three groundwater samples collected for laboratory analysis. The P2HMI soil and groundwater sampling results showed exceedances of the WDNR soil and groundwater standards for chlorinated hydrocarbons. The P2HMI results were reported to the WDNR, who then required that a site investigation be conducted.

On September 17-18, 2014, TRC Environmental Corporation conducted a Phase 3 Investigation for the Wisconsin Department of Transportation. During the Phase 3 Investigation, three additional soil boring were completed at the subject property with six soil samples collected for laboratory analysis. Three monitoring wells (TRC-11-1, 11-2, and 11-3) were installed in the soil borings and subsequently developed. On September 22, 2014, TRC collected groundwater samples from the three monitoring wells for laboratory analysis. The Phase 3 Investigation results also showed exceedances of the WDNR soil and groundwater standards for chlorinated hydrocarbons. However, the results also showed detects for gasoline compounds in the area of monitoring well TRC-11-1, including NR140 ES or PAL exceedances for Benzene (35.8 ppb) and Naphthalene (23.3 ppb).

When first reported to the WDNR after the P2HMI, an ERP case (BRRTS # 02-71-562271) was opened at the subject property since only chlorinated hydrocarbons were detected at the subject property. However, after the Phase 3 Investigation, the site was converted to a LUST case (BRRTS # 03- 71-562271) since gasoline related hydrocarbons were detected at the subject property and the collective P2HMI and Phase 3 Investigation data indicated that the chlorinated hydrocarbons originated from the nearby PDK Properties site (BRRTS # 02-71-562227), which is located approximately 50 feet to the east of the subject property.

E. Describe the type(s) and source(s) or suspected source(s) of contamination.
The source of the contamination is the former gasoline UST systems that existed on the subject property.

F. Other relevant site description information (or enter Not Applicable).
Not Applicable

G. List BRRTS activity/site name and number for BRRTS activities at this source property, including closed cases.
When first reported to the WDNR after the P2HMI, an ERP case (BRRTS # 02-71-562271) was opened at the subject property since only chlorinated hydrocarbons were detected at the subject property. However, after the Phase 3 Investigation, the site was converted to a LUST case (BRRTS # 03- 71-562271) since gasoline related hydrocarbons were detected at the subject property and the collective P2HMI and Phase 3 Investigation data indicated that the chlorinated hydrocarbons originated from the nearby PDK Properties site (BRRTS # 02-71-562227), which is located to the east of the subject property.

H. List BRRTS activity/site name(s) and number(s) for all properties immediately adjacent to (abutting) this source property.
An open ERP case, PDK Properties site (BRRTS # 02-71-562227), exists at 115-119 E Main Street, immediately to the east of the subject property.

2. General Site Conditions

A. Soil/Geology

i. Describe soil type(s) and relevant physical properties, thickness of soil column across the site, vertical and lateral variations in soil types.

Unconsolidated materials in the area of the investigation generally consist of silt/clay with varying amounts of gravel from ground surface to at least 20 feet below ground surface (bgs).

ii. Describe the composition, location and lateral extent, and depth of fill or waste deposits on the site.

Fill material consisting of sand and gravel was encountered across the site from ground surface to depths ranging from 1 to 4 feet below ground surface (bgs), except in Geoprobe borings GP-11-2 and GP-11-3 where fill materials were not encountered.

iii. Describe the depth to bedrock, bedrock type, competency and whether or not it was encountered during the investigation.

Bedrock was not encountered as part of this site investigation, however sandstone bedrock is believed to exist at approximately 100 feet bgs.

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 former building on the subject property was razed in September 2017 and all of the paved surface has been removed from the lot. Redevelopment plans by the WI DOT involve rerouting STH 116 over the northern portion of the lot as part of the Wolf River bridge reconstruction project. A cul-de-sac on S 1st Avenue will cover part of the southwest portion of the lot, and the rest of the lot will be covered in grass.

B. Groundwater

i. Discuss depth to groundwater and piezometric elevations. Describe and explain depth variations, including high and low water table elevation and whether free product affects measurement of water table elevation. Describe the stratigraphic unit(s) where water table was found or which were measured for piezometric levels.

Groundwater was encountered in the monitoring wells at depths ranging from 4.68 to 7.50 feet bgs, depending on well location and time of year. The stratigraphic unit where the water table was encountered consists of silt/clay. Free product has never been encountered in any of the monitoring wells.

ii. Discuss groundwater flow direction(s), shallow and deep. Describe and explain flow variations, including fracture flow if present.

Groundwater flow direction measured in the monitoring well network has been predominantly toward the west. Groundwater flow direction deeper in the aquifer is unknown since no piezometer wells were installed during the investigation.

iii. Discuss groundwater flow characteristics: hydraulic conductivity, flow rate and permeability, or state why this information was not obtained.

On February 15, 2017, METCO conducted slug tests on monitoring wells MW-1, MW-2, and MW-4. The slug test data was evaluated using the curve fitting program "Hydro-Test for Windows" Produced by Dakota Environmental, Inc. Slug test data was evaluated using the Bouwer and Rice method. Hydrogeologic parameters were estimated as follows:

Monitoring Well MW-1
Hydraulic Conductivity (K) = 4.82x10-6 cm/sec
Transmissivity = 1.19x10-3 cm2/sec
Flow Velocity (V=KI/n) = 0.254 m/yr

Monitoring Well MW-2
Hydraulic Conductivity (K) = 5.64x10-6 cm/sec
Transmissivity = 1.29x10-3 cm2/sec
Flow Velocity (V=KI/n) = 0.298 m/yr

Monitoring Well MW-4
Hydraulic Conductivity (K) = 2.72x10-6 cm/sec
Transmissivity = 6.41x10-4 cm2/sec
Flow Velocity (V=KI/n) = 0.144 m/yr

Since the thickness of the unconfined aquifer was unknown, the bottoms of monitoring wells were assumed as the lower extent of the aquifer for calculation purposes.

iv. Identify and describe locations/distance of potable and/or municipal wells within 1200 feet of the site. Include general summary of well construction (geology, depth of casing, depth of screened or open interval).

The subject property and surrounding properties are all served by the Village of Winneconne municipal water system. The Village of Winneconne has two municipal wells. The closest municipal well (Well #2) is located 1,100 feet to the east-southeast of the subject property. Municipal Well #2 is 388 feet deep, cased to 145 feet, and draws water from the sandstone bedrock. The other municipal well is located approximately 1,950 feet to the west-southwest of the subject

property. There are no known private water supply wells in the area of the subject property.

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.

On July 30-31, 2013, as part of the DOT Phase 2 Hazardous Materials Investigation, Himalayan Consultants, LLC supervised the completion of six Geoprobe borings. Six soil samples and three groundwater samples were collected for laboratory analysis (Phase 2 Hazardous Materials Investigation Report, February 2014).

On September 17-18, 2014, as part of the DOT Phase 3 Investigation, TRC Environmental Corporation supervised the completion of three soil borings with six soil samples collected for laboratory analysis. Three monitoring wells were installed in the completed borings and subsequently developed (Phase 3 Investigation, December 2014).

On September 22, 2014, TRC collected groundwater samples from the three monitoring wells for laboratory analysis.

On November 28, 2016, METCO supervised the completion of seven Geoprobe borings and four hollow stem auger borings. After completion the hollow stem auger borings were converted into monitoring wells. Temporary wells were installed in five of the Geoprobe borings. Thirty four soil and two groundwater samples were collected for field and/or laboratory analysis. The monitoring wells were not developed after installation as the wells were dry following installation (Site Investigation Report, July 26, 2017).

On December 2, 2016, METCO collected groundwater samples from five temporary wells for laboratory analysis. After sampling, the temporary wells were abandoned (Site Investigation Report, July 26, 2017).

On February 15, 2017, METCO collected groundwater samples for field and laboratory analysis from the four new monitoring wells and three existing monitoring wells that were installed as part of the DOT Phase 3 Investigation. Slug tests were preformed on monitoring wells MW-1, MW-2, and MW-4 and the monitoring well network was surveyed to feet mean sea level (Site Investigation Report, July 26, 2017).

On May 15, 2017, METCO collected groundwater samples for field and laboratory analysis from the seven monitoring wells (Site Investigation Report, July 26, 2017).

On September 21, 2017, METCO collected groundwater samples for field and laboratory analysis from six of the monitoring wells. Monitoring well TRC-11-3 was not sampled due to a large swarm of wasps in the area of the well After sampling, monitoring wells MW-1, MW-2, MW-3, and MW-4 were abandoned to accommodate the upcoming road construction (Attachment C.1.).

On September 22, 2017, TRC abandoned monitoring wells TRC-11-1 and TRC-11-2 to accommodate the upcoming road construction (Status Report, September 29, 2017).

On October 18, 2017, TRC oversaw the removal of a previously undocumented 1,000-gallon UST. During the UST removal, 29.02 tons of petroleum contaminated soil was excavated and disposed at the Waste Management Valley Trail Landfill in Berlin, Wisconsin. Four soil samples were collected from the sidewalls of the excavation at 5 feet bgs and two soil samples were collected from the base of the excavation at 9 feet bgs. The soil samples were field screened with a PID and submitted to a laboratory for PVOC and Naphthalene analysis (Underground Storage Tank Abandonment Report, December 1, 2017).

On October 30, 2017, TRC abandoned monitoring well TRC-11-3 to accommodate the upcoming road construction (Status Report, November 3, 2017).

On January 17, 2018, TRC oversaw the removal of a previously undocumented 1,000-gallon UST. During the UST removal, four soil samples were collected from the sidewalls of the excavation at 5 feet bgs and two soil samples were collected from the base of the excavation at 9 feet bgs. The soil samples were field screened with a PID and submitted to a laboratory for PVOC and Naphthalene analysis (Underground Storage Tank Abandonment Report, February 2018).

ii. Identify whether contamination extends beyond the source property boundary, and if so describe the media affected (e.g., soil, groundwater, vapors and/or sediment, etc.), and the vertical and horizontal extent of impacts.

The extent of unsaturated soil contamination exceeding the NR720 Groundwater RCLs and/or Direct Contact RCLs currently does not extend beyond the property boundaries. However, after the site is granted closure, the property is to be purchased by the Wisconsin DOT and will become right of way of State Highway 116. After the DOT right of way acquisition, two areas of unsaturated soil contamination exceeding the NR720 RCLs will exist within the DOT right of way and will include the following:

An area of unsaturated soil contamination, which exceeds the NR720 Direct Contact (Industrial and Non-Industrial) and

Groundwater RCL values exists in the area of the former dispenser island. This area of soil contamination appears to measure approximately 20 feet long, 15 feet wide, and up to 7 feet thick.

An area of unsaturated soil contamination which exceeds the NR720 Groundwater RCL values, exists in the area of the southernmost 1,000-gallon UST, which was removed on October 18, 2017. This area of soil contamination appears to measure approximately 9 feet long, 4 feet wide, and up to 6 feet thick.

Groundwater contamination exceeding the NR140 ES currently extends into the right of way of S 1st Avenue. Currently this groundwater contamination plume measures approximately 66 feet wide at the property boundary and extends approximately 21 feet into the right of way. However, after the DOT right of way acquisition, the entire groundwater contamination plume will exist within the right of way of State Highway 116. This area of groundwater contamination appears to measure approximately 78 feet long by 70 feet wide and exists at approximately 5 to 7 feet below ground surface.

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.

There were no structural impediments to the completion of the site investigation.

B. Soil

i. Describe degree and extent of soil contamination. Relate this to known or suspected sources and known or potential receptors/migration pathways.

An area of unsaturated soil contamination, which exceeds the NR720 Direct Contact (Industrial and Non-Industrial) and Groundwater RCL values exists in the area of the former dispenser island. This area of soil contamination appears to measure approximately 20 feet long, 15 feet wide, and up to 7 feet thick.

An area of unsaturated soil contamination which exceeds the NR720 Groundwater RCL values, exists in the area of the southernmost 1,000-gallon UST, which was removed on October 18, 2017. This area of soil contamination appears to measure approximately 9 feet long, 4 feet wide, and up to 6 feet thick.

ii. Describe the concentration(s) and types of soil contaminants found in the upper four feet of the soil column.

The only soil sample collected from within the top four feet of ground surface which exceed the NR720 RCLs was MW-1-1 (3.5 feet), which showed 32 ppm Ethylbenzene, 65 ppm Naphthalene, 1.44 ppm Toluene, 306 ppm 1,2,4-Trimethylbenzene, 104 ppm 1,3,5-Trimethylbenzene, and 297 ppm Xylene.

iii. Identify the ch. NR 720, Wis. Adm. Code, method used to establish the soil cleanup standards for this site. This includes a soil performance standard established in accordance with s. NR 720.08, a Residual Contaminant Level (RCL) established in accordance with s. NR 720.10 that is protective of groundwater quality, or an RCL established in accordance with s. NR 720.12 that is protective of human health from direct contact with contaminated soil. Identify the land use classification that was used to establish cleanup standards. Provide a copy of the supporting calculations/ information in Attachment C.

Residual Contaminant Levels (RCL's) were established in accordance with NR720.10 and NR720.12. Soil RCL's for the protection of the groundwater pathway and for non-industrial direct contact were taken from the RR programs RCL's spreadsheet.

C. Groundwater

i. Describe degree and extent of groundwater contamination. 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.

A dissolved phase contaminant plume exceeding the NR140 ES and PAL has formed at the watertable in the area of the former dispenser island and removed UST systems and has migrated toward the west. This plume measures approximately 114 feet long and 85 feet wide.

The nearest municipal well, Village of Winneconne Well #2, exists approximately 1,100 feet to the east-southeast of the subject property. Due to its distance and up-gradient location, there does not appear to be any risk to the municipal well. There are no known private water supply wells in the area of the subject property. No buildings or building foundation drain systems exist in the area of groundwater contamination.

ii. Describe the presence of free product at the site, including the thickness, depth, and locations. Identify the depth and location of the smear zone.

Free product has never been encountered in any of the monitoring wells.

D. Vapor

i. Describe how the vapor migration pathway was assessed, including locations where vapor, soil gas, or indoor air samples were collected. If the vapor pathway was not assessed, explain reasons why.

The vapor migration pathway was not assessed for the following reasons: 1) No buildings or structures exist in the area of residual soil and groundwater contamination. 2) Free product has never been encountered in any of the monitoring wells. 3) Benzene levels in groundwater are significantly less than 1,000 ppb.

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.

The extent of petroleum contamination in soil and groundwater does not appear to have migrated to any surface waters. Therefore, no surface water or sediment samples were collected.

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 water or sediment samples 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 occurred at this site.

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

On October 18, 2017, TRC oversaw the removal of a previously undocumented 1,000-gallon UST. During the UST removal, 29.02 tons of petroleum contaminated soil was excavated and disposed at the Waste Management Valley Trail Landfill in Berlin, Wisconsin. Four soil samples were collected from the sidewalls of the excavation at 5 feet bgs and two soil samples were collected from the base of the excavation at 9 feet bgs. The soil samples were field screened with a PID and submitted to a laboratory for PVOC and Naphthalene analysis (Underground Storage Tank Abandonment Report, December 1, 2017).

On January 17, 2018, TRC oversaw the removal of a previously undocumented 1,000-gallon UST. During the UST removal, four soil samples were collected from the sidewalls of the excavation at 5 feet bgs and two soil samples were collected from the base of the excavation at 9 feet bgs. The soil samples were field screened with a PID and submitted to a laboratory for PVOC and Naphthalene analysis (Underground Storage Tank Abandonment Report, February 2018).

C. Describe the *active* remedial actions taken at the source property, including: type of remedial system(s) used for each media affected; 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 remedial actions occurred at this site.

D. Describe the alternatives considered during the Green and Sustainable Remediation evaluation in accordance with NR 722.09 and any practices implemented as a result of the evaluation.

No evaluation of Green and Sustainable Remediation has been conducted.

E. Describe the nature, degree and extent of residual contamination that will remain at the source property or on other affected properties after case closure.

An area of unsaturated soil contamination, which exceeds the NR720 Direct Contact (Industrial and Non-Industrial) and Groundwater RCL values exists in the area of the former dispenser island. This area of soil contamination appears to measure approximately 20 feet long, 15 feet wide, and up to 7 feet thick.

An area of unsaturated soil contamination which exceeds the NR720 Groundwater RCL values, exists in the area of the southernmost 1,000-gallon UST, which was removed on October 18, 2017. This area of soil contamination appears to measure approximately 9 feet long, 4 feet wide, and up to 6 feet thick.

A dissolved phase contaminant plume exceeding the NR140 ES and PAL has formed at the watertable in the area of the former dispenser island and removed UST systems and has migrated toward the west. This plume measures approximately 114 feet long and 85 feet wide.

The extent of unsaturated soil contamination exceeding the NR720 Groundwater RCLs and/or Direct Contact RCLs currently does not extend beyond the property boundaries. However, after the site is granted closure, the property is to be

purchased by the Wisconsin DOT and will become right of way of State Highway 116. After the DOT right of way acquisition, two areas of unsaturated soil contamination exceeding the NR720 RCLs will exist within the DOT right of way and will include the following:

An area of unsaturated soil contamination, which exceeds the NR720 Direct Contact (Industrial and Non-Industrial) and Groundwater RCL values exists in the area of the former dispenser island. This area of soil contamination appears to measure approximately 20 feet long, 15 feet wide, and up to 7 feet thick.

An area of unsaturated soil contamination which exceeds the NR720 Groundwater RCL values, exists in the area of the southernmost 1,000-gallon UST, which was removed on October 18, 2017. This area of soil contamination appears to measure approximately 9 feet long, 4 feet wide, and up to 6 feet thick.

Groundwater contamination exceeding the NR140 ES currently extends into the right of way of S 1st Avenue. Currently this groundwater contamination plume measures approximately 66 feet wide at the property boundary and extends approximately 21 feet into the right of way. However, after the DOT right of way acquisition, the entire groundwater contamination plume will exist within the right of way of State Highway 116. This area of groundwater contamination appears to measure approximately 78 feet long by 70 feet wide and exists at approximately 5 to 7 feet below ground surface.

F. Describe the residual soil contamination within four feet of ground surface (direct contact zone) that attains or exceeds RCLs established under s. NR 720.12, Wis. Adm. Code, for protection of human health from direct contact.

The only soil sample collected from within the top four feet of ground surface which exceeds the NR720 Direct Contact RCLs was MW-1-1 (3.5 feet), which showed 32 ppm Ethylbenzene, 65 ppm Naphthalene, 306 ppm 1,2,4-Trimethylbenzene, and 297 ppm Xylene. However, the area of direct contact exceedances is to be acquired by the Wisconsin DOT and will be covered by the paved road surface.

G. Describe the residual soil contamination that is above the observed low water table that attains or exceeds the soil standard(s) for the groundwater pathway.

Unsaturated soil contamination which exceeds the NR720 Groundwater RCLs for petroleum contamination remains in the following sampling locations:
MW-1-1 (3.5 feet): Ethylbenzene, Naphthalene, Toluene, Trimethylbenzenes, and Xylene
SWS (5 feet): MTBE

H. 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 soil contamination will be addressed by natural attenuation. Since the area of soil contamination exceeding the NR720 Direct contact RCLs is going to be paved over by State Highway 116 and incorporated into the DOT right of way, it does not appear that a cap maintenance plan will be necessary at this time.

I. 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).

Due to the limited extent and low levels of petroleum contamination in groundwater, it appears that natural attenuation will be effective in reducing the contaminant mass.

J. Identify how all exposure pathways (soil, groundwater, vapor) were removed and/or adequately addressed by immediate, interim and/or remedial action(s).

Any remaining exposure pathways will be addressed by natural attenuation.

K. 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 after site closure.

L. 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.

The only monitoring wells which currently exceed the NR140 PAL or ES for petroleum compounds include the following:
TRC-11-1 (Benzene and 1,2-DCA).
MW-3 (1,2-DCA)

Groundwater contaminated by chlorinated compounds is also present across this site and all seven monitoring wells sampled showed NR140 exceedances for Trichloroethene. Five of the monitoring wells (MW-1, MW-2, MW-3, TRC-11-1, and TRC-11-2) also showed NR140 ES and/or PAL exceedances for Tetrachloroethene, Vinyl Chloride, cis-1,2-Dichloroethene, trans-1,2-Dichloroethene, 1,1-Dichloroethene, and/or 1,2-Dichloropropane. However, per the WDNR the source of the chlorinated contamination is due to the nearby open PDK Properties ERP site (BRRTS # 02-71-562227), which is located approximately 50 feet to the east of the subject property.

M. 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 indoor air or sub-slab vapor samples were collected.

N. 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 water or sediment samples were collected.

5. Continuing Obligations: Situations where sites, including all affected properties and rights-of-way (ROWs), are included on the DNR's GIS Registry. In certain situations, maintenance plans are also required, and must be included in Attachment D.
Directions: For each of the 3 property types below, check all situations that apply to this closure request.
(NOTE: Monitoring wells to be transferred to another site are addressed in Attachment E.)

	This situation applies to the following property or Right of Way (ROW): Property Type:			Case Closure Situation - Continuing Obligation Inclusion on the GIS Registry is Required (ii. - xiv.)	Maintenance Plan Required
	Source Property	Affected Property (Off-Source)	ROW		
i.	☐	☒	☐	None of the following situations apply to this case closure request.	NA
ii.	☒	☐	☒	Residual groundwater contamination exceeds ch. NR 140 ESs.	NA
iii.	☒	☐	☐	Residual soil contamination exceeds ch. NR 720 RCLs.	NA
iv.				Monitoring Wells Remain:	
	☐	☐	☐	• Not Abandoned (filled and sealed)	NA
	☐	☐	☐	• Continued Monitoring (requested or required)	Yes
v.	☐	☐	☐	Cover/Barrier/Engineered Cover or Control for (soil) direct contact pathways (includes vapor barriers)	Yes
vi.	☐	☐	☐	Cover/Barrier/Engineered Cover or Control for (soil) groundwater infiltration pathway	Yes
vii.	☐	☐	☐	Structural Impediment: impedes completion of investigation or remedial action (not as a performance standard cover)	NA
viii.	☐	☐	☐	Residual soil contamination meets NR 720 industrial soil RCLs, land use is classified as industrial	NA
ix.	☐	☐	NA	Vapor Mitigation System (VMS) required due to exceedances of vapor risk screening levels or other health based concern	Yes
x.	☐	☐	NA	Vapor: Dewatering System needed for VMS to work effectively	Yes
xi.	☐	☐	NA	Vapor: Compounds of Concern in use: full vapor assessment could not be completed	NA
xii	☐	☐	NA	Vapor: Commercial/industrial exposure assumptions used.	NA
xiii.	☐	☐	☐	Vapor: Residual volatile contamination poses future risk of vapor intrusion	NA
xiv.	☐	☐	☐	Site-specific situation: (e. g., fencing, methane monitoring, other) (*discuss with project manager before submitting the closure request*)	Site specific

6. Underground Storage Tanks

A. Were any tanks, piping or other associated tank system components removed as part of the investigation or remedial action? ◉ Yes ○ No

B. Do any upgraded tanks meeting the requirements of ch. ATCP 93, Wis. Adm. Code, exist on the property? ○ Yes ◉ No

C. If the answer to question 6.B. is yes, is the leak detection system currently being monitored? ○ Yes ○ No

General Instructions

All information shall be legible. Providing illegible information will result in a submittal being considered incomplete until corrected. For each attachment (A-G), provide a Table of Contents page, listing all 'applicable' and 'not applicable' items by Closure Form titles (e.g., A.1. Groundwater Analytical Table, A.2. Soil Analytical Results Table, etc.). If any item is 'not applicable' to the case closure request, you must fully explain the reasons why.

Data Tables (Attachment A)

Directions for Data Tables:

- Use **bold** and italics font for information of importance on tables and figures. Use **bold** font for ch. NR 140, Wis. Adm. Code ES attainments or exceedances, and *italicized font* for ch. NR 140, Wis. Adm. Code, PAL attainments or exceedances.
- Use **bold** font to identify individual ch. NR 720 Wis. Adm. Code RCL exceedances. Tables should also include the corresponding groundwater pathway and direct contact pathway RCLs for comparison purposes. Cumulative hazard index and cumulative cancer risk exceedances should also be tabulated and identified on Tables A.2 and A.3.
- 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 (3)(c), Wis. Adm. Code, in the format required in s. NR 716.15(4)(e), 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. Soil Analytical Results Table, etc.).
- For required documents, each table (e.g., A.1., A.2., etc.) should be a separate Portable Document Format (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, potable wells) for which samples have been collected.

A.2. **Soil Analytical Results Table(s):** Table(s) showing **all** soil analytical results and collection dates. Indicate if sample was collected above or below the observed low water table (unsaturated versus saturated).

A.3. **Residual Soil Contamination Table(s):** Table(s) showing the analytical results of only the residual soil contamination at the time of closure. This table shall be a subset of table A.2 and should include only the soil sample locations that exceed an RCL. Indicate if sample was collected above or below the observed low water table (unsaturated versus saturated). Table A.3 is optional only if a total of fewer than 15 soil samples have been collected at the site.

A.4. **Vapor Analytical Table(s)**: 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.5. **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, and time period for sample collection.

A.6. **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.7. **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, Figures and Photos (Attachment B)

Directions for Maps, Figures and Photos:

- 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 11 x 17 inches, in a 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(4), 726.09(2) and 726.11(3), (5) and (6), Wis. Adm. Code.
- 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.
- Maps, figures and photos should be dated to reflect the most recent revision.

B.1. Location Maps

B.1.a. **Location Map:** A map outlining all properties within the contaminated site boundaries on a United States Geological Survey (U.S.G.S.) topographic map or plat map in sufficient detail to permit easy location of all affected 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 all affected 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 attaining or exceeding a ch. NR 140 ES, and/or in relation to the boundaries of soil contamination attaining or exceeding a RCL. Provide parcel identification numbers for all affected properties.

B.1.c. **RR Sites Map:** From RR Sites Map (http://dnrmaps.wi.gov/sl/?Viewer=RR Sites) 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. **Soil Contamination:** Figure(s) showing the location of **all** identified unsaturated soil contamination. Use a single contour to show the horizontal extent of each area of contiguous soil contamination that exceeds a soil to groundwater pathway RCL as determined under ch. NR 720.Wis. Adm. Code. A separate contour line should be used to indicate the horizontal extent of each area of contiguous soil contamination that exceeds a direct contact RCL exceedances (0-4 foot depth).

B.2.b. **Residual Soil Contamination:** Figure(s) showing only the locations of soil samples where unsaturated soil contamination remains at the time of closure (locations represented in Table A.3). Use a single contour to show the horizontal extent of each area of contiguous soil contamination that exceeds a soil to groundwater pathway RCL as determined under ch. NR 720 Wis. Adm. Code. A separate contour line should be used to indicate the horizontal extent of each area of contiguous soil contamination that exceeds a direct contact RCL exceedence (0-4 foot depth).

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 an RCL. Distinguish between direct contact and the groundwater pathway RCLs.
- Source location(s) and lateral and vertical extent if groundwater contamination exceeds ch. NR 140 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.1.b.)

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, PAL and/or an 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 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 residual soil and groundwater contamination, including sub-slab, indoor air, soil vapor, soil gas, 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).

B.5. Structural Impediment Photos: One or more photographs documenting the structural impediment feature(s) which precluded a complete site investigation or remediation at the time of the closure request. The photographs should document the area that could not be investigated or remediated due to a structural impediment. The structural impediment should be indicated on Figures B.2.a and B.2.b.

Documentation of Remedial Action (Attachment C)

Directions for Documentation of Remedial Action:

- 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 has already been submitted to the DNR, please note the title and date of the report for that particular document requested.

C.1. **Site investigation documentation,** that has not otherwise been submitted with the Site Investigation Report.

C.2. **Investigative waste** disposal documentation.

C.3. Provide a **description of the methodology** used along with all supporting documentation if the RCLs are different than those contained in the Department's RCL Spreadsheet available at: http://dnr.wi.gov/topic/Brownfields/Professionals.html.

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.

C.6. **Other**. Include any other relevant documentation not otherwise noted above (This section may remain blank).

Maintenance Plan(s) and Photographs (Attachment D)

Directions for Maintenance Plans and Photographs:

Attach a maintenance plan for each affected property (source property, each off-source affected property) with continuing obligations requiring future maintenance (e.g., direct contact, groundwater protection, vapor intrusion). See Site Summary section 5 for all affected property(s) requiring a maintenance plan. Maintenance plan guidance and/or templates for: 1) Cover/barrier systems; 2) Vapor intrusion; and 3) Monitoring wells, can be found at: http://dnr.wi.gov/topic/Brownfields/Professionals.html#tabx3

D.1. **Descriptions of maintenance action(s) required for maximizing effectiveness of the engineered control, vapor mitigation system, feature or other action for which maintenance is required:**

- Provide brief descriptions of the type, depth and location of residual contamination.

- Provide a description of the system/cover/barrier/monitoring well(s) to be maintained.
- Provide a description of the maintenance actions required for maximizing effectiveness of the engineered control, vapor mitigation system, feature or other action for which maintenance is required.
- Provide contact information, including the name, address and phone number of the individual or facility who will be conducting the maintenance.

D.2. **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) all property boundaries.

D.3. **Photographs** for site 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 shall be visible and discernible. Photographs shall be submitted with a title related to the site name and location, and the date on which it was taken.

D.4. **Inspection log**, to be maintained on site, or at a location specified in the maintenance plan or approval letter. The inspection and maintenance log is found at: http://dnr.wi.gov/files/PDF/forms/4400/4400-305.pdf.

Monitoring Well Information (Attachment E)

Directions for Monitoring Well Information:
For all wells that will remain in use, be transferred to another party, or that could not be located; attach monitoring well construction and development forms (DNR Form 4400-113 A and B: http://dnr.wi.gov/topic/groundwater/documents/forms/4400_113_1_2.pdf)

Select One:

◯ No monitoring wells were installed as part of this response action.

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

◯ ***Select One or More:***

☐ Not all monitoring wells can be located, despite good faith efforts. Attachment E must include a description of efforts made to locate the wells.

☐ One or more wells will remain in use at the site after this closure. Attachment E must include documentation as to the reason (s) the well(s) will remain in use. When one or more monitoring wells will remain in use this is considered a continuing obligation and a maintenance plan will be required and must be included in Attachment D.

☐ One or more monitoring 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). Provide documentation from the party accepting future responsibility for monitoring well(s).

Source Legal Documents (Attachment F)

Directions for Source Legal Documents:
Label documents with the specific closure form titles (e.g., F.1. Deed, F.2. Certified Survey Map, etc.). Include all of the following documents, in the order listed:

F.1. **Deed:** The most recent deed with legal description clearly listed.

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.*

F.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. In cases where the certified survey map or recorded plat map are not legible or are unavailable, a copy of a parcel map from a county land information office may be substituted. A copy of a parcel map from a county land information office shall be legible, and the parcels identified in the legal description shall be clearly identified and labeled with the applicable parcel identification number.

F.3. **Verification of Zoning**: Documentation (e.g., official zoning map or letter from municipality) of the property's or properties' current zoning status.

F.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. This section applies to the source property only. Signed statements for Other Affected Properties should be included in Attachment G.

Notifications to Owners of Affected Properties (Attachment G)

Directions for Notifications to Owners of Affected Properties:

Complete the table on the following page for sites which require notification to owners of affected properties pursuant to ch. 292, Wis. Stats. and ch. NR 725 and 726, Wis. Adm. Code. 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.]. The DNR's "Guidance on Case Closure and the Requirements for Managing Continuing Obligations" (PUB-RR-606) lists specific notification requirements http://dnr.wi.gov/files/PDF/pubs/rr/RR606.pdf.

State law requires that the responsible party provide a 30-day, written advance notification 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. Use form 4400-286, Notification of Continuing Obligations and Residual Contamination, at http://dnr.wi.gov/files/PDF/forms/4400/4400-286.pdf

Include a copy of each notification sent and accompanying proof of delivery, i.e., return receipt or signature confirmation. (These items will not be placed on the GIS Registry.)

Include the following documents for each property, keeping each property's documents grouped together and labeled with the letter G and the corresponding ID number from the table on the following page. (Source Property documents should only be included in Attachment F):

- **Deed:** The most recent deed with legal descriptions clearly listed for all affected properties.
  Note: If a property has been purchased with a land contract and the purchaser has not yet received a deed, a copy of the land contract which includes the legal description shall be submitted instead of the most recent deed. If the property has been inherited, written documentation of the property transfer should be submitted along with the most recent deed.
- **Certified Survey Map:** A copy of the certified survey map or the relevant section of the recorded plat map for those properties where the legal description in the most recent deed refers to a certified survey map or a recorded plat map. In cases where the certified survey map or recorded plat map are not legible or are unavailable, a copy of a parcel map from a county land information office may be substituted. A copy of a parcel map from a county land information office shall be legible, and the parcels identified in the legal description shall be clearly identified and labeled with the applicable parcel identification number.
- **Verification of Zoning:** Documentation (e.g., official zoning map or letter from municipality) of the property's or properties' current zoning status.
- **Signed Statement:** A statement signed by the Responsible Party (RP), which states that he or she believes the attached legal description(s) accurately describe(s) the correct contaminated property or properties.

Notifications to Owners of Affected Properties (Attachment G)

ID	Address of Affected Property	Parcel ID No.	Date of Receipt of Letter	Type of Property Owner	WTMX	WTMY	Reasons Notification Letter Sent: Residual Groundwater Contamination = or > ES	Residual Soil Contamination Exceeds RCLs	Monitoring Wells: Not Abandoned	Monitoring Wells: Continued Monitoring	Cover/Barrier/Engineered Control	Structural Impediment	Industrial RCLs Met/Applied	Vapor Mitigation System(VMS)	Dewatering System Needed for VMS	Compounds of Concern in Use	Commercial/Industrial Vapor Exposure Assumptions Applied	Residual Volatile Contamination Poses Future Risk of Vapor Intrusion	Site Specification Situation
A	S 1st Avenue			ROWH	623404	404971	X												
B																			
C																			
D																			

Signatures and Findings for Closure Determination

Check the correct box for this case closure request, and have either a professional engineer or a hydrogeologist, as defined in ch. NR 712, Wis. Adm. Code, sign this document.

☒ A response action(s) for this site addresses groundwater contamination (including natural attenuation remedies).

☐ The response action(s) for this site addresses media other than groundwater.

Engineering Certification

I _____ hereby certify that I am a registered professional engineer in the State of Wisconsin, registered in accordance with the requirements of ch. A-E 4, Wis. Adm. Code; that this case closure request has been prepared by me or prepared under my supervision in accordance with the Rules of Professional Conduct in ch. A-E 8, Wis. Adm. Code; and that, to the best of my knowledge, all information contained in this case closure request is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code. Specifically, with respect to compliance with the rules, in my professional opinion a site investigation has been conducted in accordance with ch. NR 716, Wis. Adm. Code, and all necessary remedial actions have been completed in accordance with chs. NR 140, NR 718, NR 720, NR 722, NR 724 and NR 726, Wis. Adm. Codes."

Printed Name	Title

Signature	Date	P.E. Stamp and Number

Hydrogeologist Certification

I Ronald J Anderson hereby certify that I am a hydrogeologist as that term is defined in s. NR 712.03 (1), Wis. Adm. Code, and that, to the best of my knowledge, all of the information contained in this case closure request is correct and the document was prepared by me or prepared by me or prepared under my supervision and, in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code. Specifically, with respect to compliance with the rules, in my professional opinion a site investigation has been conducted in accordance with ch. NR 716, Wis. Adm. Code, and all necessary remedial actions have been completed in accordance with chs. NR 140, NR 718, NR 720, NR 722, NR 724 and NR 726, Wis. Adm. Codes."

Ronald J Anderson Printed Name	Senior Hydrogeologist/Project Manager Title

Signature	Date

A.1 Groundwater Analytical Table
105 E. Main St. Property – WI DOT BRRTS 03-71-562271

Well MW-1
PVC Elevation = 957.84 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)	1,2-Dich-loroethane (ppb)	1,1 Dich-loroethene (ppb)	cis-1,2 Dich-loroethene (ppb)	trans-1,2 Dich-loroethene (ppb)	1,2-Dichloro-propane (ppb)	Tetrachlo-roethene (ppb)	Trichloro-ethene (ppb)	Vinyl Chloride (ppb)
02/15/17	951.32	6.52	*2.0*	<0.17	33	<0.82	**159**	23.4	*239*	310	<0.45	<0.46	*37*	<0.35	<0.39	**17.3**	**470**	**5.1**
05/15/17	951.40	6.44	<4.5	<1.7	52	<8.2	**124**	7.4	*101*	86.8	<4.5	<4.6	*22.8*	<3.5	<3.9	**13.4**	**450**	**3**
09/21/17	952.39	5.45	NS	<1.7	13.8	<8.2	<21.7	<6.7	<20.5	<19.5	<4.5	<4.6	*36*	<3.5	<3.9	**13.2**	**480**	<1.9
ENFORCE MENT STANDARD **ES = Bold**			**15**	**5**	**700**	**60**	**100**	**800**	**480**	**2000**	**5**	**7**	**70**	**100**	**5**	**5**	**5**	**0.2**
PREVENTIVE ACTION LIMIT *PAL = Italics*			*1.5*	*0.5*	*140*	*12*	*10*	*160*	*96*	*400*	*0.5*	*0.70*	*7*	*20*	*0.5*	*0.5*	*0.5*	*0.02*

(ppb) = parts per billion (ppm) = parts per million
ns = not sampled nm = not measured
Note: Elevations are presented in feet mean sea level (msl).
Note: Detects for chlorinated hydrocarbons are due to a release from the nearby PDK Properties ERP site (BRRTS# 02-71-562227), which is located approximately 50 feet to the east (up-gradient) of the subject property.

Well MW-2
PVC Elevation = 953.18 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)	1,2-Dich-loroethane (ppb)	1,1 Dich-loroethene (ppb)	cis-1,2 Dich-loroethene (ppb)	trans-1,2 Dich-loroethene (ppb)	1,2-Dichloro-propane (ppb)	Tetrachlo-roethene (ppb)	Trichloro-ethene (ppb)	Vinyl Chloride (ppb)
02/15/17	948.10	5.08	<0.8	<0.17	<0.2	<0.82	<2.17	<0.67	<2.05	<1.95	<0.45	<0.46	1.41	<0.35	<0.39	<0.48	**33**	<0.19
05/15/17	948.40	4.78	<4.5	<0.17	<0.2	<0.82	<2.17	<0.67	<2.05	<1.95	<0.45	<0.46	2.83	<0.35	<0.39	<0.48	**24.4**	<0.19
09/21/17	948.56	4.62	NS	<0.17	<0.2	<0.82	<2.17	<0.67	<2.05	<1.95	<0.45	<0.42	*13.7*	<0.35	<0.39	<0.48	**71**	**0.21**
ENFORCE MENT STANDARD **ES = Bold**			**15**	**5**	**700**	**60**	**100**	**800**	**480**	**2000**	**5**	**7**	**70**	**100**	**5**	**5**	**5**	**0.2**
PREVENTIVE ACTION LIMIT *PAL = Italics*			*1.5*	*0.5*	*140*	*12*	*10*	*160*	*96*	*400*	*0.5*	*0.70*	*7*	*20*	*0.5*	*0.5*	*0.5*	*0.02*

(ppb) = parts per billion (ppm) = parts per million
ns = not sampled nm = not measured
Note: Elevations are presented in feet mean sea level (msl).
Note: Detects for chlorinated hydrocarbons are due to a release from the nearby PDK Properties ERP site (BRRTS# 02-71-562227), which is located approximately 50 feet to the east (up-gradient) of the subject property.

Well MW-3
PVC Elevation = 953.03 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)	1,2-Dich-loroethane (ppb)	1,1 Dich-loroethene (ppb)	cis-1,2 Dich-loroethene (ppb)	trans-1,2 Dich-loroethene (ppb)	1,2-Dichloro-propane (ppb)	Tetrachlo-roethene (ppb)	Trichloro-ethene (ppb)	Vinyl Chloride (ppb)
02/15/17	948.01	5.02	<0.8	<0.17	<0.2	<0.82	<2.17	<0.67	<2.05	<1.95	<0.45	<0.46	0.76	<0.35	<0.39	<0.48	**10.1**	<0.19
05/15/17	948.35	4.68	<4.5	<0.17	<0.2	<0.82	<2.17	<0.67	<2.05	<1.95	<0.45	<0.46	0.59	<0.35	<0.39	<0.48	**7.2**	<0.19
09/21/17	948.73	4.30	NS	<0.17	<0.2	<0.82	<2.17	<0.67	<2.05	<1.95	*1.13*	<0.46	3.40	<0.35	<0.39	<0.48	**22.6**	**0.22**
ENFORCE MENT STANDARD **ES = Bold**			**15**	**5**	**700**	**60**	**100**	**800**	**480**	**2000**	**5**	**7**	**70**	**100**	**5**	**5**	**5**	**0.2**
PREVENTIVE ACTION LIMIT *PAL = Italics*			*1.5*	*0.5*	*140*	*12*	*10*	*160*	*96*	*400*	*0.5*	*0.70*	*7*	*20*	*0.5*	*0.5*	*0.5*	*0.02*

(ppb) = parts per billion (ppm) = parts per million
ns = not sampled nm = not measured
Note: Elevations are presented in feet mean sea level (msl).
Note: Detects for chlorinated hydrocarbons are due to a release from the nearby PDK Properties ERP site (BRRTS# 02-71-562227), which is located approximately 50 feet to the east (up-gradient) of the subject property.

Well MW-4
PVC Elevation = 952.72 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)	1,2-Dich-loroethane (ppb)	1,1 Dich-loroethene (ppb)	cis-1,2 Dich-loroethene (ppb)	trans-1,2 Dich-loroethene (ppb)	1,2-Dichloro-propane (ppb)	Tetrachlo-roethene (ppb)	Trichloro-ethene (ppb)	Vinyl Chloride (ppb)
02/15/17	947.90	4.82	<0.8	<0.17	<0.2	6.5	<2.17	<0.67	<2.05	<1.95	<0.45	<0.46	<0.41	<0.35	<0.39	<0.48	**10.5**	<0.19
05/15/17	948.30	4.42	<4.5	<0.17	<0.2	6.1	<2.17	<0.67	<2.05	<1.95	<0.45	<0.46	<0.41	<0.35	<0.39	<0.48	**11.6**	<0.19
09/21/17	948.30	4.42	NS	<0.17	<0.2	5.3	<2.17	<0.67	<2.05	<1.95	<0.45	<0.46	0.61	<0.35	<0.39	<0.48	**17.1**	<0.19
ENFORCE MENT STANDARD **ES = Bold**			**15**	**5**	**700**	**60**	**100**	**800**	**480**	**2000**	**5**	**7**	**70**	**100**	**5**	**5**	**5**	**0.2**
PREVENTIVE ACTION LIMIT *PAL = Italics*			*1.5*	*0.5*	*140*	*12*	*10*	*160*	*96*	*400*	*0.5*	*0.70*	*7*	*20*	*0.5*	*0.5*	*0.5*	*0.02*

(ppb) = parts per billion (ppm) = parts per million
ns = not sampled nm = not measured
Note: Elevations are presented in feet mean sea level (msl).
Note: Detects for chlorinated hydrocarbons are due to a release from the nearby PDK Properties ERP site (BRRTS# 02-71-562227), which is located approximately 50 feet to the east (up-gradient) of the subject property.

A.1 Groundwater Analytical Table
105 E. Main St. Property – WI DOT BRRTS 03-71-562271

Well TRC-11-1
PVC Elevation = 955.863 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)	1,2-Dich-loroethane (ppb)	1,1 Dich-loroethene (ppb)	cis-1,2 Dich-loroethene (ppb)	trans-1,2 Dich-loroethene (ppb)	1,2-Dichloro-propane (ppb)	Tetrachlo-roethene (ppb)	Trichloro-ethene (ppb)	Vinyl Chloride (ppb)
09/22/14	NM	NM	<3.0	**35.8**	97.9	<0.44	*23.3*	13.7	26.1	19.2-20.4	<0.45	*1*	**137**	1.3	<0.58	*4*	**130**	<0.44
02/15/17	950.82	5.04	<0.8	**13.4**	35	<0.82	<2.17	4.4	3.9-4.81	2.51	<0.45	<0.46	**91**	18.1	<0.39	<0.48	**15.6**	<0.19
05/15/17	951.55	4.31	<4.5	**25.2**	104	<0.82	4.6	20.3	21.9	8.83	<0.45	*0.82*	**104**	15.4	*0.74*	*0.6*	**27.3**	**0.29**
09/21/17	950.33	5.53	NS	**29.4**	66	<0.82	5.8	14.6	3.79	10.33	*0.69*	*1.1*	**130**	*24.5*	<0.39	<0.48	**26.2**	**0.28**
ENFORCE MENT STANDARD **ES = Bold**			**15**	**5**	**700**	**60**	**100**	**800**	**480**	**2000**	**5**	**7**	**70**	**100**	**5**	**5**	**5**	**0.2**
PREVENTIVE ACTION LIMIT *PAL = Italics*			*1.5*	*0.5*	*140*	*12*	*10*	*160*	*96*	*400*	*0.5*	*0.70*	*7*	*20*	*0.5*	*0.5*	*0.5*	*0.02*

(ppb) = parts per billion (ppm) = parts per million
ns = not sampled nm = not measured
Note: Elevations are presented in feet mean sea level (msl).
Note: Detects for chlorinated hydrocarbons are due to a release from the nearby PDK Properties ERP site (BRRTS# 02-71-562227), which is located approximately 50 feet to the east (up-gradient) of the subject property.

Well TRC-11-2
PVC Elevation = 958.63 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)	1,2-Dich-loroethane (ppb)	1,1 Dich-loroethene (ppb)	cis-1,2 Dich-loroethene (ppb)	trans-1,2 Dich-loroethene (ppb)	1,2-Dichloro-propane (ppb)	Tetrachlo-roethene (ppb)	Trichloro-ethene (ppb)	Vinyl Chloride (ppb)
09/22/14	NM	NM	<3.0	<5.0	<5.0	<1.7	<25.0	<5.0	<10.0	<15.0	<0.45	<4.1	<2.6	<2.6	<2.3	<5.0	**1030**	<1.8
02/15/17	952.52	6.11	<0.8	<0.17	<0.2	<0.82	<2.17	<0.67	<2.05	<1.95	<0.45	<0.46	<0.41	<0.35	<0.39	*2.68*	**1070**	<0.19
05/15/17	952.42	6.21	<4.5	<3.4	<4	<16.4	<43.4	<13.4	<41	<39	<9	<9.2	<8.2	<7	<7.8	<9.6	**1190**	<3.8
09/21/17	952.17	6.46	NS	<1.7	<2	<8.2	<21.7	<6.7	<11	<19.5	<4.5	<4.6	<4.1	<3.5	<3.9	<4.8	**1370**	<1.9
ENFORCE MENT STANDARD **ES = Bold**			**15**	**5**	**700**	**60**	**100**	**800**	**480**	**2000**	**5**	**7**	**70**	**100**	**5**	**5**	**5**	**0.2**
PREVENTIVE ACTION LIMIT *PAL = Italics*			*1.5*	*0.5*	*140*	*12*	*10*	*160*	*96*	*400*	*0.5*	*0.70*	*7*	*20*	*0.5*	*0.5*	*0.5*	*0.02*

(ppb) = parts per billion (ppm) = parts per million
ns = not sampled nm = not measured
Note: Elevations are presented in feet mean sea level (msl).
Note: Detects for chlorinated hydrocarbons are due to a release from the nearby PDK Properties ERP site (BRRTS# 02-71-562227), which is located approximately 50 feet to the east (up-gradient) of the subject property.

Well TRC-11-3
PVC Elevation = 961.69 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)	1,2-Dich-loroethane (ppb)	1,1 Dich-loroethene (ppb)	cis-1,2 Dich-loroethene (ppb)	trans-1,2 Dich-loroethene (ppb)	1,2-Dichloro-propane (ppb)	Tetrachlo-roethene (ppb)	Trichloro-ethene (ppb)	Vinyl Chloride (ppb)
09/22/14	NM	NM	<3.0	<0.50	<0.50	<0.17	<2.5	<0.50	<1.00	<1.50	<0.45	<0.41	<0.26	<0.26	<0.23	<0.50	**64.8**	<0.18
02/15/17	954.62	7.07	<0.8	<0.17	<0.2	<0.82	<2.17	<0.67	<2.05	<1.95	<0.45	<0.46	0.63	<0.35	<0.39	<0.48	**8.8**	<0.19
05/15/17	956.04	5.65	<4.5	<0.17	<0.2	<0.82	<2.17	<0.67	<2.05	<1.95	<0.45	<0.46	<0.41	<0.35	<0.49	<0.48	**8.0**	<0.19
09/21/17	UNABLE TO SAMPLE - WASP NEST																	
ENFORCE MENT STANDARD **ES = Bold**			**15**	**5**	**700**	**60**	**100**	**800**	**480**	**2000**	**5**	**7**	**70**	**100**	**5**	**5**	**5**	**0.2**
PREVENTIVE ACTION LIMIT *PAL = Italics*			*1.5*	*0.5*	*140*	*12*	*10*	*160*	*96*	*400*	*0.5*	*0.70*	*7*	*20*	*0.5*	*0.5*	*0.5*	*0.02*

(ppb) = parts per billion (ppm) = parts per million
ns = not sampled nm = not measured
Note: Elevations are presented in feet mean sea level (msl).
Note: Detects for chlorinated hydrocarbons are due to a release from the nearby PDK Properties ERP site (BRRTS# 02-71-562227), which is located approximately 50 feet to the east (up-gradient) of the subject property.

A.1 Groundwater Analytical Table
105 E. Main St. Property – WI DOT BRRTS 03-71-562271

Well Sampling Conducted on:	02/15/17	02/15/17	02/15/17	02/15/17	02/15/17	02/15/17	02/15/17		
VOC's								**ENFORCE MENT STANDARD = ES – Bold**	*PREVENTIVE ACTION LIMIT = PAL - Italics*
Well Name	**MW-1**	**MW-2**	**MW-3**	**MW-4**	**TRC-11-1**	**TRC-11-2**	**TRC-11-3**		
Bromobenzene/ppb	< 0.43	< 0.43	< 0.43	< 0.43	< 0.43	< 0.43	< 0.43	==	==
Bromodichloromethane/ppb	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	**0.6**	*0.06*
Bromoform/ppb	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	**4.4**	*0.44*
tert-Butylbenzene/ppb	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	==	==
sec-Butylbenzene/ppb	3.3	< 0.24	< 0.24	< 0.24	2.54	< 0.24	< 0.24	==	==
n-Butylbenzene/ppb	12.9	< 0.34	< 0.34	< 0.34	4.5	< 0.34	< 0.34	==	==
Carbon Tetrachloride/ppb	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	**5**	*0.5*
Chlorobenzene/ppb	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	==	==
Chloroethane/ppb	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	**400**	*80*
Chloroform/ppb	< 0.96	< 0.96	< 0.96	< 0.96	*1.56 "J"*	< 0.96	< 0.96	**6**	*0.6*
Chloromethane/ppb	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	**30**	*3*
2-Chlorotoluene/ppb	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	==	==
4-Chlorotoluene/ppb	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	==	==
1,2-Dibromo-3-chloropropane/ppb	< 1.88	< 1.88	< 1.88	< 1.88	< 1.88	< 1.88	< 1.88	**0.2**	*0.02*
Dibromochloromethane/ppb	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	**60**	*6*
1,4-Dichlorobenzene/ppb	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	**75**	*15*
1,3-Dichlorobenzene/ppb	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	**600**	*120*
1,2-Dichlorobenzene/ppb	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	**600**	*60*
Dichlorodifluoromethane/ppb	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	**1000**	*200*
1,1-Dichloroethane/ppb	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	**850**	*85*
2,2-Dichloropropane/ppb	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	==	==
1,3-Dichloropropane/ppb	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	==	==
Di-isopropyl ether/ppb	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	==	==
EDB (1,2-Dibromoethane)/ppb	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	**0.05**	*0.005*
Hexachlorobutadiene/ppb	< 1.47	< 1.47	< 1.47	< 1.47	< 1.47	< 1.47	< 1.47	==	==
Isopropylbenzene/ppb	9.3	< 0.29	< 0.29	< 0.29	7.1	< 0.29	< 0.29	==	==
p-Isopropyltoluene/ppb	2.06	< 0.28	< 0.28	< 0.28	0.78 "J"	< 0.28	< 0.28	==	==
Methylene chloride/ppb	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	**5**	*0.5*
n-Propylbenzene/ppb	18	< 0.19	< 0.19	< 0.19	15.2	< 0.19	< 0.19	==	==
1,1,2,2-Tetrachloroethane/ppb	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	**0.2**	*0.02*
1,1,1,2-Tetrachloroethane/ppb	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	**70**	*7*
1,2,4-Trichlorobenzene/ppb	< 1.29	< 1.29	< 1.29	< 1.29	< 1.29	< 1.29	< 1.29	**70**	*14*
1,2,3-Trichlorobenzene/ppb	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	==	==
1,1,1-Trichloroethane/ppb	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	**200**	*40*
1,1,2-Trichloroethane/ppb	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	**5**	*0.5*
Trichlorofluoromethane/ppb	< 0.64	< 0.64	< 0.64	< 0.64	< 0.64	< 0.64	< 0.64	==	==

NS = Not Sampled, NM = Not Measured
= = No Exceedences
(ppb) = parts per billion
(ppm) = parts per million
"J" Flag: Analyte detected between LOD and LOQ LOD Limit of Detection LOQ Limit of Quantitation

A.1 Groundwater Analytical Table
105 E. Main St. Property – WI DOT BRRTS 03-71-562271

Well Sampling Conducted on:	05/15/17	05/15/17	05/15/17	05/15/17	05/15/17	05/15/17	05/15/17	ENFORCE MENT STANDARD = ES – Bold	*PREVENTIVE ACTION LIMIT = PAL - Italics*
VOC's									
Well Name	**MW-1**	**MW-2**	**MW-3**	**MW-4**	**TRC-11-1**	**TRC-11-2**	**TRC-11-3**		
Bromobenzene/ppb	< 4.3	< 0.43	< 0.43	< 0.43	< 0.43	< 8.6	< 0.43	==	==
Bromodichloromethane/ppb	< 3.1	< 0.31	< 0.31	< 0.31	< 0.31	< 6.2	< 0.31	**0.6**	*0.06*
Bromoform/ppb	< 4.9	< 0.49	< 0.49	< 0.49	< 0.49	< 9.8	< 0.49	**4.4**	*0.44*
tert-Butylbenzene/ppb	< 3.9	< 0.39	< 0.39	< 0.39	< 0.39	< 7.8	< 0.39	==	==
sec-Butylbenzene/ppb	2.4 "J"	< 0.24	< 0.24	< 0.24	3.2	< 4.8	< 0.24	==	==
n-Butylbenzene/ppb	10.4 "J"	< 0.34	< 0.34	< 0.34	5.3	< 6.8	< 0.34	==	==
Carbon Tetrachloride/ppb	< 2.1	< 0.21	< 0.21	< 0.21	< 0.21	< 4.2	< 0.21	**5**	*0.5*
Chlorobenzene/ppb	< 2.7	< 0.27	< 0.27	< 0.27	< 0.27	< 5.4	< 0.27	==	==
Chloroethane/ppb	< 5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	**400**	*80*
Chloroform/ppb	< 9.6	< 0.96	< 0.96	< 0.96	< 0.96	< 19.2	< 0.96	**6**	*0.6*
Chloromethane/ppb	< 13	< 1.3	< 1.3	< 1.3	< 1.3	< 26	< 1.3	**30**	*3*
2-Chlorotoluene/ppb	< 3.6	< 0.36	< 0.36	< 0.36	< 0.36	< 7.2	< 0.36	==	==
4-Chlorotoluene/ppb	< 3.5	< 0.35	< 0.35	< 0.35	< 0.35	< 7	< 0.35	==	==
1,2-Dibromo-3-chloropropane/ppb	< 18.8	< 1.88	< 1.88	< 1.88	< 1.88	< 37.6	< 1.88	**0.2**	*0.02*
Dibromochloromethane/ppb	< 4.5	< 0.45	< 0.45	< 0.45	< 0.45	< 9	< 0.45	**60**	*6*
1,4-Dichlorobenzene/ppb	< 4.2	< 0.42	< 0.42	< 0.42	< 0.42	< 8.4	< 0.42	**75**	*15*
1,3-Dichlorobenzene/ppb	< 4.5	< 0.45	< 0.45	< 0.45	< 0.45	< 9	< 0.45	**600**	*120*
1,2-Dichlorobenzene/ppb	< 3.4	< 0.34	< 0.34	< 0.34	< 0.34	< 6.8	< 0.34	**600**	*60*
Dichlorodifluoromethane/ppb	< 3.8	< 0.38	< 0.38	< 0.38	< 0.38	< 7.6	< 0.38	**1000**	*200*
1,1-Dichloroethane/ppb	< 4.2	< 0.42	< 0.42	< 0.42	< 0.42	< 8.4	< 0.42	**850**	*85*
1,3-Dichloropropane/ppb	< 4.9	< 0.49	< 0.49	< 0.49	< 0.49	< 9.8	< 0.49	==	==
trans-1,3-Dichloropropene	< 4.2	< 0.42	< 0.42	< 0.42	< 0.42	< 8.4	< 0.42	==	==
cis-1,3-Dichloropropene	< 2.1	< 0.21	< 0.21	< 0.21	< 0.21	< 4.2	< 0.21	==	==
Di-isopropyl ether/ppb	< 2.6	< 0.26	< 0.26	< 0.26	< 0.26	< 5.2	< 0.26	==	==
EDB (1,2-Dibromoethane)/ppb	< 3.4	< 0.34	< 0.34	< 0.34	< 0.34	< 6.8	< 0.34	**0.05**	*0.005*
Hexachlorobutadiene/ppb	< 14.7	< 1.47	< 1.47	< 1.47	< 1.47	< 29.4	< 1.47	==	==
Isopropylbenzene/ppb	7.3 "J"	< 0.29	< 0.29	< 0.29	11.8	< 5.8	< 0.29	==	==
p-Isopropyltoluene/ppb	< 2.8	< 0.28	< 0.28	< 0.28	0.36 "J"	< 5.6	< 0.28	==	==
Methylene chloride/ppb	< 9.4	< 0.94	< 0.94	< 0.94	< 0.94	< 18.8	< 0.94	**5**	*0.5*
n-Propylbenzene/ppb	17.9	< 0.19	< 0.19	< 0.19	30	< 3.8	< 0.19	==	==
1,1,2,2-Tetrachloroethane/ppb	< 6.9	< 0.69	< 0.69	< 0.69	< 0.69	< 13.8	< 0.69	**0.2**	*0.02*
1,1,1,2-Tetrachloroethane/ppb	< 4.7	< 0.47	< 0.47	< 0.47	< 0.47	< 9.4	< 0.47	**70**	*7*
1,2,4-Trichlorobenzene/ppb	< 12.9	< 1.29	< 1.29	< 1.29	< 1.29	< 25.8	< 1.29	**70**	*14*
1,2,3-Trichlorobenzene/ppb	< 8.3	< 0.83	< 0.83	< 0.83	< 0.83	< 16.6	< 0.83	==	==
1,1,1-Trichloroethane/ppb	< 3.5	< 0.35	< 0.35	< 0.35	< 0.35	< 7	< 0.35	**200**	*40*
1,1,2-Trichloroethane/ppb	< 6.5	< 0.65	< 0.65	< 0.65	< 0.65	< 13	< 0.65	**5**	*0.5*
Trichlorofluoromethane/ppb	< 6.4	< 0.64	< 0.64	< 0.64	< 0.64	< 12.8	< 0.64	==	==

NS = Not Sampled, NM = Not Measured
= = No Exceedences
(ppb) = parts per billion
(ppm) = parts per million
"J" Flag: Analyte detected between LOD and LOQ LOD Limit of Detection LOQ Limit of Quantitation

A.1 Groundwater Analytical Table
105 E. Main St. Property – WI DOT BRRTS 03-71-562271

Well Sampling Conducted on:	09/21/17	09/21/17	09/21/17	09/21/17	09/21/17	09/21/17		
							ENFORCE MENT STANDARD = ES – Bold	*PREVENTIVE ACTION LIMIT = PAL - Italics*
VOC's								
Well Name	**MW-1**	**MW-2**	**MW-3**	**MW-4**	**TRC-11-1**	**TRC-11-2**		
Bromobenzene/ppb	< 4.3	< 0.43	< 0.43	< 0.43	< 0.43	< 4.3	==	==
Bromodichloromethane/ppb	< 3.1	< 0.31	< 0.31	< 0.31	< 0.31	< 3.1	**0.6**	*0.06*
Bromoform/ppb	< 4.9	< 0.49	< 0.49	< 0.49	< 0.49	< 4.9	**4.4**	*0.44*
tert-Butylbenzene/ppb	< 3.9	< 0.39	< 0.39	< 0.39	< 0.39	< 3.9	==	==
sec-Butylbenzene/ppb	3.7 "J"	< 0.24	< 0.24	< 0.24	2.14	< 2.4	==	==
n-Butylbenzene/ppb	5.6 "J"	< 0.34	< 0.34	< 0.34	3.8	< 3.4	==	==
Carbon Tetrachloride/ppb	< 2.1	< 0.21	< 0.21	< 0.21	< 0.21	< 2.1	**5**	*0.5*
Chlorobenzene/ppb	< 2.7	< 0.27	< 0.27	< 0.27	< 0.27	< 2.7	==	==
Chloroethane/ppb	< 5	< 0.5	< 0.5	< 0.5	< 0.5	< 5	**400**	*80*
Chloroform/ppb	< 9.6	< 0.96	< 0.96	< 0.96	< 0.96	< 9.6	**6**	*0.6*
Chloromethane/ppb	< 13	< 1.3	< 1.3	< 1.3	*29.9*	< 13	**30**	*3*
2-Chlorotoluene/ppb	< 3.6	< 0.36	< 0.36	< 0.36	< 0.36	< 3.6	==	==
4-Chlorotoluene/ppb	< 3.5	< 0.35	< 0.35	< 0.35	< 0.35	< 3.5	==	==
1,2-Dibromo-3-chloropropane/ppb	< 18.8	< 1.88	< 1.88	< 1.88	< 1.88	< 18.8	**0.2**	*0.02*
Dibromochloromethane/ppb	< 4.5	< 0.45	< 0.45	< 0.45	< 0.45	< 4.5	**60**	*6*
1,4-Dichlorobenzene/ppb	< 4.2	< 0.42	< 0.42	< 0.42	< 0.42	< 4.2	**75**	*15*
1,3-Dichlorobenzene/ppb	< 4.5	< 0.45	< 0.45	< 0.45	< 0.45	< 4.5	**600**	*120*
1,2-Dichlorobenzene/ppb	< 3.4	< 0.34	< 0.34	< 0.34	< 0.34	< 3.4	**600**	*60*
Dichlorodifluoromethane/ppb	< 3.8	< 0.38	< 0.38	< 0.38	< 0.38	< 3.8	**1000**	*200*
1,1-Dichloroethane/ppb	< 4.2	< 0.42	< 0.42	< 0.42	< 0.42	< 4.2	**850**	*85*
1,3-Dichloropropane/ppb	< 4.9	< 0.49	< 0.49	< 0.49	< 0.49	< 4.9	==	==
trans-1,3-Dichloropropene/ppm	< 4.2	< 0.42	< 0.42	< 0.42	< 0.42	< 4.2		
cis-1,3-Dichloropropene/ppm	< 2.1	< 0.21	< 0.21	< 0.21	< 0.21	< 2.1	**0.4**	*0.04*
Di-isopropyl ether/ppb	< 2.6	< 0.26	< 0.26	< 0.26	< 0.26	< 2.6	==	==
EDB (1,2-Dibromoethane)/ppb	< 3.4	< 0.34	< 0.34	< 0.34	< 0.34	< 3.4	**0.05**	*0.005*
Hexachlorobutadiene/ppb	< 14.7	< 1.47	< 1.47	< 1.47	< 1.47	< 14.7	==	==
Isopropylbenzene/ppb	7.4 "J"	< 0.29	< 0.29	< 0.29	9.4	< 2.9	==	==
p-Isopropyltoluene/ppb	< 2.8	< 0.28	< 0.28	< 0.28	0.47 "J"	< 2.8	==	==
Methylene chloride/ppb	< 9.4	< 0.94	< 0.94	< 0.94	< 0.94	< 9.4	**5**	*0.5*
n-Propylbenzene/ppb	5.8 "J"	< 0.19	< 0.19	< 0.19	18.6	< 1.9	==	==
1,1,2,2-Tetrachloroethane/ppb	< 6.9	< 0.69	< 0.69	< 0.69	< 0.69	< 6.9	**0.2**	*0.02*
1,1,1,2-Tetrachloroethane/ppb	< 4.7	< 0.47	< 0.47	< 0.47	< 0.47	< 4.7	**70**	*7*
1,2,4-Trichlorobenzene/ppb	< 12.9	< 1.29	< 1.29	< 1.29	< 1.29	< 12.9	**70**	*14*
1,2,3-Trichlorobenzene/ppb	< 8.3	< 0.83	< 0.83	< 0.83	< 0.83	< 8.3	==	==
1,1,1-Trichloroethane/ppb	< 3.5	< 0.35	< 0.35	< 0.35	< 0.35	< 3.5	**200**	*40*
1,1,2-Trichloroethane/ppb	< 6.5	< 0.65	< 0.65	< 0.65	< 0.65	< 6.5	**5**	*0.5*
Trichlorofluoromethane/ppb	< 6.4	< 0.64	< 0.64	< 0.64	< 0.64	< 6.4	==	==

NS = not sampled, NM = Not Measured
Q = Analyte detected above laboratory method detection limit but below practical quantitation limit.
= = No Exceedences
(ppb) = parts per billion
(ppm) = parts per million
"J" Flag: Analyte detected between LOD and LOQ LOD Limit of Detection LOQ Limit of Quantitation

A.1 Groundwater Analytical Table
(Geoprobe)
105 E. Main St. Property – WI DOT BRRTS 03-71-562271

Sample ID	Date	GRO (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
MW-11-1	07/31/13	NS	ND	ND	ND	ND	ND	ND	ND
MW-11-2	07/31/13	NS	ND	ND	ND	ND	ND	ND	ND
MW-11-3	07/31/13	NS	ND	ND	ND	ND	ND	ND	ND
G-4-W	11/28/16	NS	**7.4**	**1290**	<2.45	**303**	*460*	**859**	*1529*
G-5-W	11/28/16	NS	**380**	*222*	<4.9	**102**	112	*151*	176.9
TW-1	12/02/16	NS	<0.46	<0.73	<0.49	<2.6	<0.39	1.04-1.87	<2.06
TW-2	12/02/16	NS	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
TW-3	12/02/16	NS	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
TW-6	12/02/16	NS	**9.4**	3.9	<0.49	<2.6	1.65	5.93	1.51-2.91
TW-7	12/02/16	NS	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
ENFORCE MENT STANDARD ES = Bold		-	**5**	**700**	**60**	**100**	**800**	**480**	**2000**
PREVENTIVE ACTION LIMIT PAL = Italics		-	*0.5*	*140*	*12*	*10*	*160*	*96*	*400*

NS = Not Sampled
(ppb) = parts per billion
GRO = Gasoline Range Organics

(Geoprobe - Other VOC's)

Sample ID	Date	2-Butanone (ppb)	cis-1,2 Dich-loroethene (ppb)	trans-1,2 Dich-loroethene (ppb)	Vinyl Chloride (ppb)	Tetrachlo-roethene (ppb)	Trichloro-ethene (ppb)
MW-11-1	07/31/13	4.41	*11*	0.66	**4.6**	**7.4**	**289**
MW-11-2	07/31/13	<13.5	*19.4*	<1.9	**1.5**	**21.8**	**383**
MW-11-3	07/31/13	<13.5	*19.4*	<1.9	**1.5**	**21.8**	**383**
ENFORCE MENT STANDARD ES = Bold		**460**	**70**	**100**	**0.20**	**5**	**5**
PREVENTIVE ACTION LIMIT PAL = Italics		*90*	*7*	*20*	*0.02*	*0.5*	*0.5*

NS = Not Sampled
(ppb) = parts per billion
"J" Flag: Analyte detected between LOD and LOQ LOD Limit of Detection LOQ Limit of Quantitation

(Geoprobe – Metals)

Sample ID	Date	Arsenic (ppb)	Barium (ppb)	Chromium (ppb)	Lead (ppb)
MW-11-1	07/31/13	<4.2	161	<1.4	*3.2 "J"*
MW-11-2	07/31/13	*8.3 "J"*	125	<1.4	<2.7
MW-11-3	07/31/13	<4.2	89.6	3.7 "J"	<2.7
ENFORCE MENT STANDARD ES = Bold		**10**	**2000.00**	**100**	**15**
PREVENTIVE ACTION LIMIT PAL = Italics		*1*	*400.00*	*10*	*1.5*

NS = Not Sampled
(ppb) = parts per billion
"J" Flag: Analyte detected between LOD and LOQ LOD Limit of Detection LOQ Limit of Quantitation

A.1 Groundwater Analytical Table
105 E. Main St. Property – WI DOT BRRTS 03-71-562271
(Metals)

Well TRC-11-1

Date	Arsenic Total (ppb)	Barium Total (ppb)	Cadmium Total (ppb)	Chromium Total (ppb)	Lead Total (ppb)	Mercury Total (ppb)	Selenium Total (ppb)	Silver Total (ppb)
09/22/14	*8.30*	108	<0.60	<2.1	<3.0	<0.10	<6.7	<2.7
ENFORCE MENT STANDARD **ES = Bold**	**10**	**2000**	**5**	**100**	**15**	**2**	**50**	**50**
PREVENTIVE ACTION LIMIT *PAL = Italics*	*1*	*400*	*0.5*	*10*	*1.5*	*0.2*	*10*	*10*

(ppb) = parts per billion
ns = not sampled nm = not measured
Note: Elevations are presented in feet mean sea level (msl).

Well TRC-11-2

Date	Arsenic Total (ppb)	Barium Total (ppb)	Cadmium Total (ppb)	Chromium Total (ppb)	Lead Total (ppb)	Mercury Total (ppb)	Selenium Total (ppb)	Silver Total (ppb)
09/22/14	<7.2	52.10	<0.60	<2.1	<3.0	<0.10	<6.7	<2.7
ENFORCE MENT STANDARD **ES = Bold**	**10**	**2000**	**5**	**100**	**15**	**2**	**50**	**50**
PREVENTIVE ACTION LIMIT *PAL = Italics*	*1*	*400*	*0.5*	*10*	*1.5*	*0.2*	*10*	*10*

(ppb) = parts per billion
ns = not sampled nm = not measured
Note: Elevations are presented in feet mean sea level (msl).

Well TRC-11-3

Date	Arsenic Total (ppb)	Barium Total (ppb)	Cadmium Total (ppb)	Chromium Total (ppb)	Lead Total (ppb)	Mercury Total (ppb)	Selenium Total (ppb)	Silver Total (ppb)
09/22/14	<7.2	116	<0.60	<2.1	<3.0	<0.10	<6.7	<2.7
ENFORCE MENT STANDARD **ES = Bold**	**10**	**2000**	**5**	**100**	**15**	**2**	**50**	**50**
PREVENTIVE ACTION LIMIT *PAL = Italics*	*1*	*400*	*0.5*	*10*	*1.5*	*0.2*	*10*	*10*

(ppb) = parts per billion
ns = not sampled nm = not measured
Note: Elevations are presented in feet mean sea level (msl).

A.2 Soil Analytical Results Table
105 E. Main St. Property – WI DOT BRRTS 03-71-562271

Sample ID	Depth (feet)	Saturation U/S	Date	PID	Lead (ppm)	DRO (ppm)	GRO (ppm)	Benzene (ppm)	Ethyl Benzene (ppm)	MTBE (ppm)	Naph-thalene (ppm)	Toluene (ppm)	1,2,4-Trime-thylbenzene (ppm)	1,3,5-Trime-thylbenzene (ppm)	Xylene (Total) (ppm)	Other VOC's (ppb)	DIRECT CONTACT PVOC/VOC & RCRA		
																	Exeedance Count	Hazard Index	Cumulative Cancer Risk
B-11-1	2-4	U	07/30/13	0.0	4.1	2.9	<2.7	NO DETECTS								VOC's &RCRA Metals	1	1.08E-03	0
B-11-1	8-10	S	07/30/13	0.0	5.4	<0.77	<3.1	NO DETECTS								VOC's &RCRA Metals			
B-11-2	2-4	U	07/30/13	0.0	4.3	<0.72	<2.7	NO DETECTS								VOC's &RCRA Metals	1	7.01E-03	0
B-11-2	10-12	S	07/30/13	0.0	7.7	<0.82	<3.1	NO DETECTS								VOC's &RCRA Metals			
B-11-3	2-4	U	07/30/13	0.0	1.9	<0.74	<2.8	NO DETECTS								VOC's &RCRA Metals	1	0	0
B-11-3	8-10	S	07/30/13	0.0	4.9	<0.77	<3.2	NO DETECTS								VOC's &RCRA Metals			
GP-11-1	2.5-5	U	09/17/14	1.1	4.0	NS	NS	<0.025	<0.025	<0.025	<0.040	<0.025	<0.025	<0.025	<0.075	VOC's &RCRA Metals	1	1.62E-03	4.28E-08
GP-11-1	7.5-10	S	09/17/14	1.7	4.3	NS	NS	<0.025	0.474	<0.025	0.236 "J"	<0.025	0.0466 "J"	0.73	<0.075	VOC's &RCRA Metals			
GP-11-2	2.5-5	U	09/18/14	2.6	14.1	NS	NS	<0.025	<0.025	<0.025	<0.040	<0.025	<0.025	<0.025	<0.075	VOC's &RCRA Metals	1	2.87E-03	0
GP-11-2	12.5-15	S	09/18/14	10.7	4.4	NS	NS	<0.025	<0.025	<0.025	<0.040	<0.025	<0.025	<0.025	<0.075	VOC's &RCRA Metals			
GP-11-3	5-7.5	U	09/18/14	4.3	5.5	NS	NS	<0.025	<0.025	<0.025	<0.040	<0.025	<0.025	<0.025	<0.075	VOC's &RCRA Metals			
GP-11-3	12.5-15	S	09/18/14	6.1	3.7	NS	NS	<0.025	<0.025	<0.025	<0.040	<0.025	<0.025	<0.025	<0.075	VOC's &RCRA Metals			
G-1-1	3.5	U	11/28/16	1.9	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0		
G-1-2	7.0	S	11/28/16	2.0	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-1-3	10.0	S	11/28/16	2.9	NS	NS	NS									NS			
G-2-1	3.5	U	11/28/16	NM	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0		
G-2-2	7.0	S	11/28/16	2.0	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-2-3	10.0	S	11/28/16	3.4	NOT SAMPLED											NS			
G-3-1	4.0	U	11/28/16	2.5	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0		
G-3-2	7.0	S	11/28/16	2.3	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-3-3	10.0	S	11/28/16	2.6	NOT SAMPLED											NS			
G-4-1	3.5	U	11/28/16	1.5	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0		
G-4-2	6.0	U	11/28/16	4.5	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-4-3	10.0	S	11/28/16	458.0	NOT SAMPLED											NS			
G-5-1	3.5	U	11/28/16	0.8	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0		
G-5-2	5.0	U	11/28/16	0.9	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-5-3	10.0	S	11/28/16	95.0	NOT SAMPLED											NS			
G-6-1	3.5	U	11/28/16	2.5	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0		
G-6-2	6.0	U	11/28/16	3.7	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-6-3	10.0	S	11/28/16	208.0	NOT SAMPLED											NS	0		
G-7-1	3.5	U	11/28/16	1.5	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-7-2	7.0	S	11/28/16	3.7	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-7-3	10.0	S	11/28/16	2.2	NOT SAMPLED											NS			
MW-1-1	3.5	U	11/28/16	954.0	NS	NS	NS	<0.32	**32**	<0.5	**65**	**1.44**	**306**	**104**	**297***	NS	**4**	**1.87E+00**	1.58E-05
MW-1-2	7.0	S	11/28/16	776.0	NS	NS	NS	**0.68**	**2.03**	<0.25	**2.89**	<0.25	**11.8**	**4.3**	**14.9**	NS			
MW-1-3	12.0	S	11/28/16	6.2	NOT SAMPLED											NS			
MW-1-4	15.0	S	11/28/16	21.5	NOT SAMPLED											NS			
MW-2-1	3.5	U	11/28/16	33.6	NS	NS	NS	<0.025	<0.025	<0.025	0.149	<0.025	0.30	0.12	0.231	NS			
MW-2-2	5.0	U	11/28/16	4.7	NOT SAMPLED											NS			
MW-2-3	12.0	S	11/28/16	3.9	NOT SAMPLED											NS			
MW-3-1	3.5	U	11/28/16	2.4	NOT SAMPLED											NS			
MW-3-2	8.0	S	11/28/16	4.9	NOT SAMPLED											NS			
MW-3-3	12.0	S	11/28/16	2.3	NOT SAMPLED											NS			
MW-4-1	3.5	U	11/28/16	1.5	NOT SAMPLED											NS			
MW-4-2	8.0	S	11/28/16	1.2	NOT SAMPLED											NS			
MW-4-3	12.0	S	11/28/16	1.5	NOT SAMPLED											NS			
SWE	5	U	10/18/17	<1	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
SWN	5	U	10/18/17	2.0	NS	NS	NS	<0.025	0.0517J	<0.025	<0.025	<0.025	0.968	0.135	0.1758J	NS			
SWS	5	U	10/18/17	2.0	NS	NS	NS	<0.025	0.200	**0.135**	<0.025	<0.025	0.243	0.0467J	0.378	NS			
SWW	5	U	10/18/17	<1	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
BE	9	S	10/18/17	5.0	NS	NS	NS	<0.025	0.110	<0.025	0.155	<0.025	0.487	0.226	0.292	NS			
BW	9	S	10/18/17	<1	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
*SWE	5	U	01/17/18	<1	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
*SWN	5	U	01/17/18	<1	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
*SWS	5	U	01/17/18	11.0	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
*SWW	5	U	01/17/18	<1	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
*BE	9	S	01/17/18	<1	NS	NS	.. NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
*BW	9	S	01/17/18	1.0	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
Groundwater RCL					**27**	-	-	**0.00512**	**1.57**	**0.027**	**0.6582**	**1.11**	**1.38**		**3.96**	-		-	-
Non-Industrial Direct Contact RCL					**400**	-	-	**1.6**	**8.02**	**63.8**	**5.52**	**818**	**219**	**182**	**260**	-		**1.00E+00**	**1.00E-05**
Industrial Direct Contact RCL					**(800)**	-		**(7.07)**	**(35.4)**	**(282)**	**(24.1)**	**(818)**	**(219)**	**(182)**	**(258)**	-		**(1.00E+00)**	**(1.00E-05)**
Soil Saturation Concentration (C-sat)*					-	-	-	**1820***	**480***	**8870***	-	**818***	**219***	**182***	**258***	-		-	-

Bold = Groundwater RCL Exceedance
Bold & Underline = Non Industrial Direct Contact RCL Exceedance
(Bold & Parentheses) = Industrial Direct Contact RCL Exceedance
Bold & Asteric * = C-sat Exceedance
NS = Not Sampled NM = Not Measured
(ppm) = parts per million
DRO = Diesel Range Organics
GRO = Gasoline Range Organics
PID = Photoionization Detector
PVOC's = Petroleum Volatile Organic Compounds
VOC's = Volatile Organic Compounds
Note: Non-Industrial RCLs apply to this site.

U=UNSATURATED (BASED ON ALL TIME LOW WATER TABLE PER WDNR)

S=SATURATED (BASED ON ALL TIME LOW WATER TABLE PER WDNR)

A.2 Soil Analytical Results Table
105 E. Main St. Property – WI DOT BRRTS 03-71-562271

Sampling Conducted on November 28, 2016

VOC's														Bold = Groundwater RCL	Underline & Bold = Non-Industrial Direct Contact RCL	(Parenthesis & Bold) = Industrial Direct Contact RCL	Asteric * & Bold =Soil Saturation (C-sat) RCL
Sample ID#	**B-11-1**	**B-11-1**	**B-11-2**	**B-11-2**	**B-11-3**	**B-11-3**	**GP-11-1**	**GP-11-1**	**GP-11-2**	**GP-11-2**	**GP-11-3**	**GP-11-3**	**MW-1-1**				
Sample Depth/ft.	**0-2**	**8-10**	**2-4**	**10-12**	**2-4**	**8-10**	**2.5-5**	**7.5-10**	**2.5-5**	**12.5-15**	**5-7.5**	**12.5-15**	**3.5**				
Date	**7/30/13**	**7/30/13**	**7/30/13**	**7/30/13**	**7/30/13**	**7/30/13**	**9/17/14**	**9/17/14**	**9/18/14**	**9/18/14**	**9/18/14**	**9/18/14**	**11/28/16**				
Solids Percent													82.2				
Bromobenzene/ppm	ND	ND	ND	ND	ND	ND	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	< 0.78	= =	342	(679)	= =
Bromodichloromethane/ppm	ND	ND	ND	ND	ND	ND	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	< 0.3	**0.000326**	0.418	(1.83)	= =
Bromoform/ppm	ND	ND	ND	ND	ND	ND	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	< 0.46	**0.00233**	25.4	(113)	= =
tert-Butylbenzene/ppm	ND	ND	ND	ND	ND	ND	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	< 0.7	= =	183	(183)	**183***
sec-Butylbenzene/ppm	ND	ND	ND	ND	ND	ND	<0.025	0.123	<0.025	<0.025	<0.025	<0.025	5.7	= =	145	(145)	**145***
n-Butylbenzene/ppm	ND	ND	ND	ND	ND	ND	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	35	= =	108	(108)	**108***
Carbon Tetrachloride/ppm	ND	ND	ND	ND	ND	ND	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	< 0.42	**0.00388**	0.916	(4.03)	= =
Chlorobenzene/ppm	ND	ND	ND	ND	ND	ND	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	< 0.78	= =	370	(761)	**761***
Chloroethane/ppm	ND	ND	ND	ND	ND	ND	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	< 0.9	**0.227**	= =	= =	= =
Chloroform/ppm	ND	ND	ND	ND	ND	ND	<0.0464	<0.0464	<0.0464	<0.0464	<0.0464	<0.0464	< 0.52	**0.0033**	0.454	(1.98)	= =
Chloromethane/ppm	ND	ND	ND	ND	ND	ND	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	< 5	**0.0155**	159	(669)	= =
2-Chlorotoluene/ppm	ND	ND	ND	ND	ND	ND	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	< 0.58	= =	= =	= =	= =
4-Chlorotoluene/ppm	ND	ND	ND	ND	ND	ND	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	< 0.64	= =	= =	= =	= =
1,2-Dibromo-3-chloropropane/ppm	ND	ND	ND	ND	ND	ND	<0.0912	<0.0912	<0.0912	<0.0912	<0.0912	<0.0912	< 1.56	**0.000173**	0.008	(0.092)	= =
Dibromochloromethane/ppm	ND	ND	ND	ND	ND	ND	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	< 0.62	**0.032**	8.28	(38.9)	= =
1,4-Dichlorobenzene/ppm	ND	ND	ND	ND	ND	ND	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	< 0.6	**0.144**	3.74	(16.4)	= =
1,3-Dichlorobenzene/ppm	ND	ND	ND	ND	ND	ND	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	< 0.6	**1.1528**	297	(193)	**297***
1,2-Dichlorobenzene/ppm	ND	ND	ND	ND	ND	ND	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	< 0.78	**1.168**	376	(376)	**376***
Dichlorodifluoromethane/ppm	ND	ND	ND	ND	ND	ND	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	< 0.86	**3.0863**	126	(530)	= =
1,2-Dichloroethane/ppm	ND	ND	ND	ND	ND	ND	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	< 0.6	**0.00284**	0.652	(2.87)	**540***
1,1-Dichloroethane/ppm	ND	ND	ND	ND	ND	ND	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	< 0.5	**0.4834**	5.06	(22.2)	= =
1,1-Dichloroethene/ppm	ND	ND	ND	ND	ND	ND	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	< 0.58	**0.00502**	320	(1190)	**1190***
cis-1,2-Dichloroethene/ppm	ND	ND	ND	ND	ND	ND	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	< 0.42	**0.0412**	156	(2340)	= =
trans-1,2-Dichloroethene/ppm	ND	ND	ND	ND	ND	ND	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	< 0.48	**0.626**	1560	(1850)	= =
1,2-Dichloropropane/ppm	ND	ND	ND	ND	ND	ND	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	< 0.5	**0.00332**	0.406	(1.78)	= =
2,2-Dichloropropane/ppm	ND	ND	ND	ND	ND	ND	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	< 2	= =	191	(191)	**191***
1,3-Dichloropropane/ppm	ND	ND	ND	ND	ND	ND	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	< 0.62	= =	1490	(1490)	**1490***
Di-isopropyl ether/ppm	ND	ND	ND	ND	ND	ND	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	< 0.24	= =	2260	(2260)	**2260***
EDB (1,2-Dibromoethane)/ppm	ND	ND	ND	ND	ND	ND	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	< 0.7	**0.0000282**	0.05	(0.221)	= =
Hexachlorobutadiene/ppm	ND	ND	ND	ND	ND	ND	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	< 2.2	= =	1.63	(7.19)	= =
Isopropylbenzene/ppm	ND	ND	ND	ND	ND	ND	<0.025	0.162	<0.025	<0.025	<0.025	<0.025	5.8	= =	= =	= =	= =
p-Isopropyltoluene/ppm	ND	ND	ND	ND	ND	ND	<0.025	0.0521 "J"	<0.025	<0.025	<0.025	<0.025	3.5 "J"	= =	162	(162)	**162***
Methylene chloride/ppm	ND	ND	ND	ND	ND	ND	<0.025	<0.025	<0.025	0.0274 "J"	<0.025	<0.025	< 4.4	**0.00256**	61.8	(1150)	= =
n-Propylbenzene/ppm	ND	ND	ND	ND	ND	ND	<0.025	0.772	<0.025	<0.025	<0.025	<0.025	28.4	= =	= =	= =	= =
1,1,2,2-Tetrachloroethane/ppm	ND	ND	ND	ND	ND	ND	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	< 0.26	**0.000156**	0.81	(3.6)	= =
1,1,1,2-Tetrachloroethane/ppm	ND	ND	ND	ND	ND	ND	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	< 0.58	**0.0534**	2.78	(12.3)	= =
Tetrachloroethene (PCE)/ppm	<0.0275	**0.169**	<0.0269	**0.0747**	<0.0258	<0.0250	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	< 1.08	**0.00454**	33	(145)	= =
1,2,4-Trichlorobenzene/ppm	ND	ND	ND	ND	ND	ND	<0.0476	<0.0476	<0.0476	<0.0476	<0.0476	<0.0476	< 1.7	**0.408**	24	(113)	= =
1,2,3-Trichlorobenzene/ppm	ND	ND	ND	ND	ND	ND	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	< 2.4	= =	62.6	(934)	= =
1,1,1-Trichloroethane/ppm	ND	ND	ND	ND	ND	ND	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	< 0.8	**0.1402**	= =	= =	= =
1,1,2-Trichloroethane/ppm	ND	ND	ND	ND	ND	ND	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	< 0.66	**0.00324**	1.59	(7.01)	= =
Trichloroethene (TCE)/ppm	<0.0275	**0.195**	<0.0269	**0.162**	<0.0258	<0.0250	<0.025	<0.025	<0.025	**0.43**	<0.025	**0.522**	< 0.84	**0.00358**	1.3	(8.41)	= =
Trichlorofluoromethane/ppm	ND	ND	ND	ND	ND	ND	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	< 1.2	**2.2387**	1230	(1230)	**1230***
Vinyl Chloride/ppm	ND	ND	ND	ND	ND	ND	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	< 0.2	**0.000138**	0.07	(2.08)	= =

NS = Not Sampled, NM = Not Measured
(ppm) = parts per million
= = No Exceedences
ND = Not Detected
Note: Detects for chlorinated hydrocarbons are due to a release from the nearby PDK Properties ERP site (BRRTS# 02-71-562227), which is located approximately 50 feet to the east (up-gradient) of the subject property.
"J" Flag: Analyte detected between LOD and LOQ LOD Limit of Detection LOQ Limit of Quantitation

Note: Non-Industrial RCLs apply to this site.

A.2 Soil Analytical Results Table
(8 – RCRA Metals)
105 E. Main St. Property – WI DOT BRRTS 03-71-562271

												DIRECT CONTACT PVOC/VOC & RCRA METALS COMBINED		
Sample ID	Depth (feet)	Saturation U/S	Date	Arsenic Total (ppm)	Barium Total (ppm)	Cadmium Total (ppm)	Chromium Total (ppm)	Lead Total (ppm)	Mercury Total (ppm)	Selenium Total (ppm)	Silver Total (ppm)	Exeedance Count	Hazard Index	Cumulative Cancer Risk
B-11-1	2-4	U	07/30/13	**4.4**	25.9	0.13 "J"	13.0	4.1	0.017	ND	ND	1	1.08E-03	0
B-11-1	8-10	S	07/30/13	**4.9**	85.8	0.28 "J"	22.1	5.4	0.010	ND	ND			
B-11-2	2-4	U	07/30/13	**4.2**	51.2	0.20 "J"	12.6	4.3	0.11	ND	ND	1	7.01E-03	0
B-11-2	10-12	S	07/30/13	**4.3**	68.8	0.26 "J"	18.5	7.7	0.016	ND	ND			
B-11-3	2-4	U	07/30/13	**1.2 "J"**	16.8	<0.047	6.6	1.9	<0.0032	ND	ND	1	0	0
B-11-3	8-10	S	07/30/13	**3.9**	73.3	<0.23 "J"	19.7	4.9	<0.0076	ND	ND			
GP-11-1	2.5-5	U	09/17/14	**2.2**	37.2	<0.057	14.4	4.0	0.016	<0.67	<0.24	1	1.62E-03	4.28E-08
GP-11-1	7.5-10	S	09/17/14	**3.2**	55.2	<0.063	18.6	4.3	0.0072	<0.74	<0.27			
GP-11-2	2.5-5	U	09/18/14	**3.7**	100	<0.057	28.8	14.1	0.045	<0.66	<0.24	1	2.87E-03	0
GP-11-2	12.5-15	S	09/18/14	**2.9**	56	<0.066	18.1	4.4	0.0055 "J"	<0.77	<0.28			
GP-11-3	5-7.5	U	09/18/14	**2.6**	38.1	<0.065	16.0	5.5	0.0096	<0.75	<0.27			
GP-11-3	12.5-15	S	09/18/14	**5.8**	55	<0.060	16.9	3.7	0.0054 "J"	<0.70	<0.25			
Groundwater RCL				**0.584**	**164.8**	**.752**	**360000**	**27**	**0.208**	**0.520**	**0.8491**		-	-
Non-Industrial Direct Contact RCL				**0.677**	**15300**	**71.1**	-	**400**	**3.13**	**391**	**391**		**1.00E+00**	**1.00E-05**
Industrial Direct Contact RCL				**(3)**	**(100000)**	**(985)**	-	**(800)**	**(3.13)**	**(8540)**	**(5840)**		**(1.00E+00)**	**(1.00E-05)**
Soil Saturation Concentration (C-sat)*				-	-	-	-	-	-	-	-		-	-
State Background Threshold Value				**8^**	-	-	-	-	-	-	-		-	-

Bold = Groundwater RCL Exceedance
Bold & Underline = Non Industrial Direct Contact RCL Exceedance
(Bold & Parentheses) = Industrial Direct Contact RCL Exceedance
Bold & Asteric * = C-sat Exceedance
NS = Not Sampled NM = Not Measured
(ppm) = parts per million
PID = Photoionization Detector
- No Exceedences
ND = Not Detected
Note: The contaminant levels for Arsenic in exceed the NR720 Groundwater and Direct contact RCLs. However, they are less than the statewide soil background threshold value of 8 ppm. Therefore, this appears to be a regional issue with elevated Arsenic levels in soil.

A.3 Residual Soil Contamination Table
105 E. Main St. Property – WI DOT BRRTS 03-71-562271

Sample ID	Depth (feet)	Saturation U/S	Date	PID	Lead (ppm)	DRO (ppm)	GRO (ppm)	Benzene (ppm)	Ethyl Benzene (ppm)	MTBE (ppm)	Naph-thalene (ppm)	Toluene (ppm)	1,2,4-Trime-thylbenzene (ppm)	1,3,5-Trime-thylbenzene (ppm)	Xylene (Total) (ppm)	Other VOC's (ppb)	DIRECT CONTACT PVOC/VOC & RCRA		
																	Exeedance Count	Hazard Index	Cumulative Cancer Risk
MW-1-1	3.5	U	11/28/16	954.0	NS	NS	NS	<0.32	**32**	<0.5	**65**	**1.44**	**306**	**104**	**297***	NS	**4**	**1.87E+00**	1.58E-05
MW-1-2	7.0	S	11/28/16	776.0	NS	NS	NS	**0.68**	**2.03**	<0.25	**2.89**	<0.25	**11.8**	**4.3**	**14.9**	NS			
SWS	5	U	10/18/17	2.0	NS	NS	NS	<0.025	0.200	**0.135**	<0.025	<0.025	0.243	0.0467J	0.378	NS			
Groundwater RCL					**27**	-	-	**0.00512**	**1.57**	**0.027**	**0.6582**	**1.11**	**1.38**		**3.96**	-		-	-
Non-Industrial Direct Contact RCL					**400**	-	-	**1.6**	**8.02**	**63.8**	**5.52**	**818**	**219**	**182**	**260**	-		**1.00E+00**	**1.00E-05**
Industrial Direct Contact RCL					**(800)**	-		**(7.07)**	**(35.4)**	**(282)**	**(24.1)**	**(818)**	**(219)**	**(182)**	**(258)**	-		**(1.00E+00)**	**(1.00E-05)**
Soil Saturation Concentration (C-sat)*					-	-	-	**1820***	**480***	**8870***	-	**818***	**219***	**182***	**258***	-		-	-

Bold = Groundwater RCL Exceedance
Bold & Underline = Non Industrial Direct Contact RCL Exceedance
(Bold & Parentheses) = Industrial Direct Contact RCL Exceedance
Bold & Asteric * = C-sat Exceedance
NS = Not Sampled NM = Not Measured
(ppm) = parts per million
DRO = Diesel Range Organics
GRO = Gasoline Range Organics
PID = Photoionization Detector
PVOC's = Petroleum Volatile Organic Compounds
VOC's = Volatile Organic Compounds
Note: Non-Industrial RCLs apply to this site.

U=UNSATURATED (BASED ON ALL TIME LOW WATER TABLE PER WDNR)

S=SATURATED (BASED ON ALL TIME LOW WATER TABLE PER WDNR)

A.3 Residual Soil Contamination Table
105 E. Main St. Property – WI DOT BRRTS 03-71-562271

Sampling Conducted on November 28, 2016

VOC's		Bold = Groundwater RCL	Underline & Bold = Non-Industrial Direct Contact RCL	(Parenthesis & Bold) = Industrial Direct Contact RCL	Asteric * & Bold =Soil Saturation (C-sat) RCL
Sample ID#	**MW-1-1**				
Sample Depth/ft.	**3.5**				
Date	**11/28/16**				
Solids Percent	82.2				
Benzene/ppm	< 0.32	**0.00512**	**1.6**	**(7.07)**	**1820***
Bromobenzene/ppm	< 0.78	= =	**342**	**(679)**	= =
Bromodichloromethane/ppm	< 0.3	**0.000326**	**0.418**	**(1.83)**	= =
Bromoform/ppm	< 0.46	**0.00233**	**25.4**	**(113)**	= =
tert-Butylbenzene/ppm	< 0.7	= =	**183**	**(183)**	**183***
sec-Butylbenzene/ppm	5.7	= =	**145**	**(145)**	**145***
n-Butylbenzene/ppm	35	= =	**108**	**(108)**	**108***
Carbon Tetrachloride/ppm	< 0.42	**0.00388**	**0.916**	**(4.03)**	= =
Chlorobenzene/ppm	< 0.78	= =	**370**	**(761)**	**761***
Chloroethane/ppm	< 0.9	**0.227**	= =	= =	= =
Chloroform/ppm	< 0.52	**0.0033**	**0.454**	**(1.98)**	= =
Chloromethane/ppm	< 5	**0.0155**	**159**	**(669)**	= =
2-Chlorotoluene/ppm	< 0.58	= =	= =	= =	= =
4-Chlorotoluene/ppm	< 0.64	= =	= =	= =	= =
1,2-Dibromo-3-chloropropane/ppm	< 1.56	**0.000173**	**0.008**	**(0.092)**	= =
Dibromochloromethane/ppm	< 0.62	**0.032**	**8.28**	**(38.9)**	= =
1,4-Dichlorobenzene/ppm	< 0.6	**0.144**	**3.74**	**(16.4)**	= =
1,3-Dichlorobenzene/ppm	< 0.6	**1.1528**	**297**	**(193)**	**297***
1,2-Dichlorobenzene/ppm	< 0.78	**1.168**	**376**	**(376)**	**376***
Dichlorodifluoromethane/ppm	< 0.86	**3.0863**	**126**	**(530)**	= =
1,2-Dichloroethane/ppm	< 0.6	**0.00284**	**0.652**	**(2.87)**	**540***
1,1-Dichloroethane/ppm	< 0.5	**0.4834**	**5.06**	**(22.2)**	= =
1,1-Dichloroethene/ppm	< 0.58	**0.00502**	**320**	**(1190)**	**1190***
cis-1,2-Dichloroethene/ppm	< 0.42	**0.0412**	**156**	**(2340)**	= =
trans-1,2-Dichloroethene/ppm	< 0.48	**0.626**	**1560**	**(1850)**	= =
1,2-Dichloropropane/ppm	< 0.5	**0.00332**	**0.406**	**(1.78)**	= =
2,2-Dichloropropane/ppm	< 2	= =	**191**	**(191)**	**191***
1,3-Dichloropropane/ppm	< 0.62	= =	**1490**	**(1490)**	**1490***
Di-isopropyl ether/ppm	< 0.24	= =	**2260**	**(2260)**	**2260***
EDB (1,2-Dibromoethane)/ppm	< 0.7	**0.0000282**	**0.05**	**(0.221)**	= =
Ethylbenzene/ppm	**32**	**1.57**	**8.02**	**(35.4)**	**480***
Hexachlorobutadiene/ppm	< 2.2	= =	**1.63**	**(7.19)**	= =
Isopropylbenzene/ppm	5.8	= =	= =	= =	= =
p-Isopropyltoluene/ppm	3.5 "J"	= =	**162**	**(162)**	**162***
Methylene chloride/ppm	< 4.4	**0.00256**	**61.8**	**(1150)**	= =
Methyl tert-butyl ether (MTBE)/ppm	< 0.5	**0.027**	**63.8**	**(282)**	**8870***
Naphthalene/ppm	**65**	**0.6582**	**5.52**	**(24.1)**	= =
n-Propylbenzene/ppm	28.4	= =	= =	= =	= =
1,1,2,2-Tetrachloroethane/ppm	< 0.26	**0.000156**	**0.81**	**(3.6)**	= =
1,1,1,2-Tetrachloroethane/ppm	< 0.58	**0.0534**	**2.78**	**(12.3)**	= =
Tetrachloroethene (PCE)/ppm	< 1.08	**0.00454**	**33**	**(145)**	= =
Toluene/ppm	**1.44 "J"**	**1.11**	**818**	**(818)**	**818***
1,2,4-Trichlorobenzene/ppm	< 1.7	**0.408**	**24**	**(113)**	= =
1,2,3-Trichlorobenzene/ppm	< 2.4	= =	**62.6**	**(934)**	= =
1,1,1-Trichloroethane/ppm	< 0.8	**0.1402**	= =	= =	= =
1,1,2-Trichloroethane/ppm	< 0.66	**0.00324**	**1.59**	**(7.01)**	= =
Trichloroethene (TCE)/ppm	< 0.84	**0.00358**	**1.3**	**(8.41)**	= =
Trichlorofluoromethane/ppm	< 1.2	**2.2387**	**1230**	**(1230)**	**1230***
1,2,4-Trimethylbenzene/ppm	**306**	**1.38**	**219**	**(219)**	**219***
1,3,5-Trimethylbenzene/ppm	**104**		**182**	**(182)**	**182***
Vinyl Chloride/ppm	< 0.2	**0.000138**	**0.07**	**(2.08)**	= =
m&p-Xylene/ppm	**206**	**3.96**	**260**	**(260)**	**258***
o-Xylene/ppm	**91**				

NS = Not Sampled, NM = Not Measured
(ppm) = parts per million
= = No Exceedences
ND = Not Detected
"J" Flag: Analyte detected between LOD and LOQ LOD Limit of Detection LOQ Limit of Quantitation

Note: Non-Industrial RCLs apply to this site.

A.3 Residual Soil Contamination Table
(8 – RCRA Metals)
105 E. Main St. Property – WI DOT BRRTS 03-71-562271

												DIRECT CONTACT PVOC/VOC & RCRA METALS COMBINED		
Sample ID	Depth (feet)	Saturation U/S	Date	Arsenic Total (ppm)	Barium Total (ppm)	Cadmium Total (ppm)	Chromium Total (ppm)	Lead Total (ppm)	Mercury Total (ppm)	Selenium Total (ppm)	Silver Total (ppm)	Exeedance Count	Hazard Index	Cumulative Cancer Risk
B-11-1	2-4	U	07/30/13	**4.4**	25.9	0.13 "J"	13.0	4.1	0.017	ND	ND	1	1.08E-03	0
B-11-1	8-10	S	07/30/13	**4.9**	85.8	0.28 "J"	22.1	5.4	0.010	ND	ND			
B-11-2	2-4	U	07/30/13	**4.2**	51.2	0.20 "J"	12.6	4.3	0.11	ND	ND	1	7.01E-03	0
B-11-2	10-12	S	07/30/13	**4.3**	68.8	0.26 "J"	18.5	7.7	0.016	ND	ND			
B-11-3	2-4	U	07/30/13	**1.2 "J"**	16.8	<0.047	6.6	1.9	<0.0032	ND	ND	1	0	0
B-11-3	8-10	S	07/30/13	**3.9**	73.3	<0.23 "J"	19.7	4.9	<0.0076	ND	ND			
GP-11-1	2.5-5	U	09/17/14	**2.2**	37.2	<0.057	14.4	4.0	0.016	<0.67	<0.24	1	1.62E-03	4.28E-08
GP-11-1	7.5-10	S	09/17/14	**3.2**	55.2	<0.063	18.6	4.3	0.0072	<0.74	<0.27			
GP-11-2	2.5-5	U	09/18/14	**3.7**	100	<0.057	28.8	14.1	0.045	<0.66	<0.24	1	2.87E-03	0
GP-11-2	12.5-15	S	09/18/14	**2.9**	56	<0.066	18.1	4.4	0.0055 "J"	<0.77	<0.28			
GP-11-3	5-7.5	U	09/18/14	**2.6**	38.1	<0.065	16.0	5.5	0.0096	<0.75	<0.27			
GP-11-3	12.5-15	S	09/18/14	**5.8**	55	<0.060	16.9	3.7	0.0054 "J"	<0.70	<0.25			
Groundwater RCL				**0.584**	**164.8**	**.752**	**360000**	**27**	**0.208**	**0.520**	**0.8491**		-	-
Non-Industrial Direct Contact RCL				**0.677**	**15300**	**71.1**	-	**400**	**3.13**	**391**	**391**		**1.00E+00**	**1.00E-05**
Industrial Direct Contact RCL				**(3)**	**(100000)**	**(985)**	-	**(800)**	**(3.13)**	**(8540)**	**(5840)**		**(1.00E+00)**	**(1.00E-05)**
Soil Saturation Concentration (C-sat)*				-	-	-	-	-	-	-	-		-	-
State Background Threshold Value				**8^**	-	-	-	-	-	-	-		-	-

Bold = Groundwater RCL Exceedance
Bold & Underline = Non Industrial Direct Contact RCL Exceedance
(Bold & Parentheses) = Industrial Direct Contact RCL Exceedance
Bold & Asteric * = C-sat Exceedance
NS = Not Sampled NM = Not Measured
(ppm) = parts per million
PID = Photoionization Detector
- No Exceedences
ND = Not Detected
Note: The contaminant levels for Arsenic in exceed the NR720 Groundwater and Direct contact RCLs. However, they are less than the statewide soil background threshold value of 8 ppm. Therefore, this appears to be a regional issue with elevated Arsenic levels in soil.

B.2.a. SOIL CONTAMINATION

105 EAST MAIN STREET

METCO
709 Gillette Street, Suite 3
La Crosse, WI 54603
Tel: (608) 781-8879
Fax: (608) 781-8893
Excellence through experience

WINNECONNE, WISCONSIN

DRAWN BY: ED

DATE: 08/05/2015

NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER

SCALE: 1 INCH = 30 FEET (0, 15, 30)

- MONITORING WELL LOCATION (105 E MAIN ST)
- MONITORING WELL LOCATION (DOT PHASE 3)
- GEOPROBE BORING/TEMPORARY WELL LOCATION (ABANDONED - 105 E MAIN ST)
- GEOPROBE BORING LOCATION (105 E MAIN ST)
- GEOPROBE BORING/TEMPORARY WELL LOCATION (ABANDONED - DOT PHASE 2)
- GEOPROBE BORING LOCATION (DOT PHASE 2/3)
- TEST PIT - FALK PROPERTY - 1991
- UST EXCAVATION SOIL SAMPLE LOCATION
- UTILITY POLE
- LIGHT POLE
- STORM DRAIN

PROPERTY BOUNDARY
WATER LINE
SANITARY SEWER LINE
STORM SEWER LINE
NATURAL GAS LINE
FIBER OPTIC LINE
BURIED ELECTRIC
OVERHEAD UTILITIES

NOTES:

1) SOIL SAMPLES B-11-1 (8-10 FEET BGS), B-11-2 (10-12 FEET BGS), GP-11-2, (12.5-15 FEET BGS), AND GP-11-3 (12.5-15 FEET BGS) SHOWED NR720 GROUNDWATER RCL EXCEEDANCES FOR TRICHLOROETHENE AND/OR TETRACHLOROETHENE. HOWEVER, ALL OF THESE SOIL SAMPLES WERE COLLECTED BELOW THE ALL-TIME LOW WATERTABLE (SATURATED) AND THIS CHLORINATED CONTAMINATION IS FROM THE OPEN PDK PROPERTIES ERP SITE LOCATED APPROXIMATELY 50 FEET EAST (UP-GRADIENT) OF THE SUBJECT PROPERTY.

2) UNSATURATED SOIL SAMPLES COLLECTED FROM GEOPROBE/SOIL BORING LOCATIONS B-11-1, B-11-2, B-11-3, TRC-11-1, TRC-11-2, AND TRC-11-3 SHOWED NR720 NON-INDUSTRIAL DIRECT CONTACT AND GROUNDWATER RCL EXCEEDANCES FOR ARSENIC. THIS APPEARS TO BE DUE TO A REGIONAL ISSUE WITH ELEVATED ARSENIC LEVELS IN SOIL. HOWEVER, ALL OF THE RESULTS WERE BELOW THE STATEWIDE SOIL BACKGROUND THRESHOLD VALUE OF 8 PPM.

WOLF RIVER

MAIN STREET/HIGHWAY 116

SIDEWALK

SIDEWALK

ESTIMATED EXTENT OF PETROLEUM CONTAMINATION EXCEEDING THE NR720 INDUSTRIAL AND NON-INDUSTRIAL DIRECT CONTACT AND/OR GROUNDWATER RCLs.

PROPOSED NEW RIGHT OF WAY LINE AFTER DOT ACQUISITION

APPROXIMATE LOCATION OF FORMER PUMP ISLAND

FMR PUMPS

AREA OF REMOVED GASOLINE USTS

TP-4 TP-1 GP-9-3/TW-9-3 TP-3 TP-2

MW-2

TRANSFORMER

G-3/TW-3 G-2/TW-2 G-1/TW-1 MW-1 B-11-2/MW-11-2 B-11-1/MW-11-1 GP-11-2/TRC-11-2

GP-12-3/TRC-12-3

B-12-2

GP-12-2/TRC-12-2

GP-9-2/TW-9-2

FALK PROPERTY
CLOSED LUST SITE
21 E MAIN STREET
BRRTS# 03-71-001089
BUILDING RAZED

GP-9-4

MW-3

SIDEWALK

GP-9-1/TW-9-1

SIST AVENUE

GRASS

G-5 G-4 G-6/TW-6 *SWN *BW *BE *SWE *SWW *SWS GRAVEL

REMOVED 1,000-GAL USTS

GP-11-1/TRC-11-1 SWN SWE G-7/TW-7 SWW BW BE SWS

UST REMOVAL SOIL EXCAVATION TO 9 FEET BGS

B-11-3/MW-11-3

FORMER
AI AUTO SALES
105 E MAIN STREET
BRRTS# 03-71-562271
BUILDING RAZED

RESIDENCE
113 E MAIN STREET

PDK PROPERTIES
OPEN ERP SITE
115-119 E MAIN STREET
BRRTS# 02-71-562227

B-12-1/MW-12-1

S 2ND AVENUE

MW-4

QUONSET HUT

ESTIMATED LOCATION OF REMOVED GASOLINE USTS

GP-11-3/TRC-11-3

GP-12-1/TRC-12-1

GRAVEL

GRAVEL LOT FOR SCHOOL BUS PARKING
24 S 2ND AVENUE

GRAVEL/GRASS

B.2.b. RESIDUAL SOIL CONTAMINATION

105 EAST MAIN STREET

METCO
709 Gillette Street, Suite 3
La Crosse, WI 54603
Tel: (608) 781-8870
Fax: (608) 781-8893
Excellence through experience

WINNECONNE, WISCONSIN

DRAWN BY: ED
DATE: 08/05/2015

NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER

SCALE:
1 INCH = 30 FEET
0 15 30

- = MONITORING WELL LOCATION (105 E MAIN ST)
- = MONITORING WELL LOCATION (DOT PHASE 3)
- = GEOPROBE BORING/TEMPORARY WELL LOCATION (ABANDONED - DOT PHASE 2)
- = UST EXCAVATION SOIL SAMPLE LOCATION
- = UTILITY POLE
- = LIGHT POLE
- = STORM DRAIN

PROPERTY BOUNDARY
WATER LINE
SANITARY SEWER LINE
STORM SEWER LINE
NATURAL GAS LINE
FIBER OPTIC LINE
BURIED ELECTRIC
OVERHEAD UTILITIES

NOTES:
1) SOIL SAMPLES B-II-1 (8-10 FEET BGS), B-II-2 (10-12 FEET BGS), GP-II-2, (12.5-15 FEET BGS), AND GP-II-3 (12.5-15 FEET BGS) SHOWED NR720 GROUNDWATER RCL EXCEEDANCES FOR TRICHLOROETHENE AND/OR TETRACHLOROETHENE. HOWEVER, ALL OF THESE SOIL SAMPLES WERE COLLECTED BELOW THE ALL-TIME LOW WATERTABLE (SATURATED) AND THIS CHLORINATED CONTAMINATION IS FROM THE OPEN PDK PROPERTIES ERP SITE LOCATED APPROXIMATELY 50 FEET EAST (UP-GRADIENT) OF THE SUBJECT PROPERTY.

2) UNSATURATED SOIL SAMPLES COLLECTED FROM GEOPROBE/SOIL BORING LOCATIONS B-II-1, B-II-2, B-II-3, TRC-II-1, TRC-II-2, AND TRC-II-3 SHOWED NR720 NON-INDUSTRIAL DIRECT CONTACT AND GROUNDWATER RCL EXCEEDANCES FOR ARSENIC. THIS APPEARS TO BE DUE TO A REGIONAL ISSUE WITH ELEVATED ARSENIC LEVELS IN SOIL. HOWEVER, ALL OF THE RESULTS WERE BELOW THE STATEWIDE SOIL BACKGROUND THRESHOLD VALUE OF 8 PPM.

WOLF RIVER

MAIN STREET/HIGHWAY 116

SIDEWALK

SIDEWALK

ESTIMATED EXTENT OF PETROLEUM CONTAMINATION EXCEEDING THE NR720 INDUSTRIAL AND NON-INDUSTRIAL DIRECT CONTACT AND/OR GROUNDWATER RCLs.

PROPOSED NEW RIGHT OF WAY LINE AFTER DOT ACQUISITION

APPROXIMATE LOCATION OF FORMER PUMP ISLAND

FMR PUMPS

AREA OF REMOVED GASOLINE USTS

TRANSFORMER

SIDEWALK

GP-II-2

MW-1

B-II-2

B-II-1

FALK PROPERTY
CLOSED LUST SITE
21 E MAIN STREET
BRRTS# 03-71-001089
BUILDING RAZED

FORMER
AI AUTO SALES
105 E MAIN STREET
BRRTS# 03-71-562271
BUILDING RAZED

RESIDENCE
113 E MAIN STREET

PDK PROPERTIES
OPEN ERP SITE
115-119 E MAIN STREET
BRRTS# 02-71-562227

S 1ST AVENUE

S 2ND AVENUE

SIDEWALK

GRASS

GRAVEL

GP-II-1

REMOVED 1,000-GAL USTS

SWS

UST REMOVAL SOIL EXCAVATION TO 9 FEET BGS

B-II-3

ESTIMATED EXTENT OF PETROLEUM CONTAMINATION EXCEEDING THE NR720 GROUNDWATER RCLs.

SIDEWALK

GRASS

SIDEWALK

ESTIMATED LOCATION OF REMOVED GASOLINE USTS

GP-II-3

GRAVEL

GRAVEL

GRAVEL LOT FOR SCHOOL BUS PARKING
24 S 2ND AVENUE

QUONSET HUT

GRASS

SIDEWALK

GRAVEL/GRASS

B.3.a.(I) GEOLOGIC CROSS -SECTION FIGURE

105 EAST MAIN STREET

METCO
709 Gillette Street, Suite 3
La Crosse, WI 54603
Tel: (608) 781-8879
Fax: (608) 781-8893
Excellence through experience

WINNECONNE, WISCONSIN

DRAWN BY: ED
DATE: 08/05/2015

NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER

SCALE: 1 INCH = 30 FEET
0 15 30

- = MONITORING WELL LOCATION (105 E MAIN ST)
- = MONITORING WELL LOCATION (DOT PHASE 3)
- = GEOPROBE BORING/TEMPORARY WELL LOCATION (ABANDONED - 105 E MAIN ST)
- = GEOPROBE BORING LOCATION (105 E MAIN ST)
- = GEOPROBE BORING/TEMPORARY WELL LOCATION (ABANDONED - DOT PHASE 2)
- = GEOPROBE BORING LOCATION (DOT PHASE 2/3)
- = TEST PIT - FALK PROPERTY - 1991
- = UST EXCAVATION SOIL SAMPLE LOCATION
- = UTILITY POLE
- = LIGHT POLE
- = STORM DRAIN

PROPERTY BOUNDARY
WATER LINE
SANITARY SEWER LINE
STORM SEWER LINE
NATURAL GAS LINE
FIBER OPTIC LINE
BURIED ELECTRIC
OVERHEAD UTILITIES

NOTES:

1) THE GROUNDWATER ISOCONCENTRATION MAP IS BASED ON GROUNDWATER ANALYTICAL RESULTS FROM THE NOVEMBER 28, 2016 GEOPROBE PROJECT, DECEMBER 2, 2017 GROUNDWATER SAMPLING EVENT (TEMPORARY WELLS), AND SEPTEMBER 21, 2017 SAMPLING EVENT (MONITORING WELLS).

2) SOIL SAMPLES B-II-1 (8-10 FEET BGS), B-II-2 (10-12 FEET BGS), GP-II-2, (12.5-15 FEET BGS), AND GP-II-3 (12.5-15 FEET BGS) SHOWED NR720 GROUNDWATER RCL EXCEEDANCES FOR TRICHLOROETHENE AND/OR TETRACHLOROETHENE. HOWEVER, ALL OF THESE SOIL SAMPLES WERE COLLECTED BELOW THE ALL-TIME LOW WATERTABLE (SATURATED). ALSO, MONITORING WELLS MW-1 THOUGH MW-4, TRC-II-1, TRC-II-2, AND TRC-II-3 AND TEMPORARY WELLS MW-II-1, MW-II-2, AND MW-II-3 SHOWED NR140 ES AND/OR PAL EXCEEDANCES FOR TRICHLOROETHENE, TETRACHLOROETHENE, AND/OR CIS-1,2-DICHLOROETHENE. HOWEVER, THIS CHLORINATED GROUNDWATER CONTAMINATION IS FROM THE OPEN PDK PROPERTIES ERP SITE LOCATED APPROXIMATELY 50 FEET EAST (UP-GRADIENT) OF THE SUBJECT PROPERTY.

3) UNSATURATED SOIL SAMPLES COLLECTED FROM GEOPROBE/SOIL BORING LOCATIONS B-II-1, B-II-2, B-II-3, TRC-II-1, TRC-II-2, AND TRC-II-3 SHOWED NR720 NON-INDUSTRIAL DIRECT CONTACT AND GROUNDWATER RCL EXCEEDANCES FOR ARSENIC. ALSO, MONITORING WELL TRC-II-1 AND TEMPORARY WELL MW-II-2 SHOWED NR140 PAL EXCEEDANCES FOR ARSENIC, THIS APPEARS TO BE DUE TO A REGIONAL ISSUE WITH ELEVATED ARSENIC LEVELS IN SOIL. HOWEVER, ALL OF THE LEVELS OF ARSENIC WERE BELOW THE STATEWIDE SOIL BACKGROUND THRESHOLD VALUE OF 8 PPM.

WOLF RIVER

MAIN STREET/HIGHWAY 116

SIDEWALK

ESTIMATED EXTENT OF PETROLEUM CONTAMINATION IN GROUNDWATER EXCEEDING THE NR140 ENFORCEMENT STANDARD (ES) AND/OR PREVENTIVE ACTION LIMIT (PAL)

PROPOSED NEW RIGHT OF WAY LINE AFTER DOT ACQUISITION

APPROXIMATE LOCATION OF FORMER PUMP ISLAND

FMR PUMPS

TP-4
TP-1
TP-3
TP-2
MW-2
AREA OF REMOVED GASOLINE USTS
GP-9-3/ TW-9-3

FALK PROPERTY
CLOSED LUST SITE
21 E MAIN STREET
BRRTS# 03-71-001089
BUILDING RAZED

GP-9-2/ TW-9-2
GP-9-1/ TW-9-1
GP-9-4
MW-3
MW-4

TRANSFORMER
PAL
ES
1ST AVENUE

G-3/ TW-3
G-2/ TW-2
GP-II-2/ TRC-II-2
TW-1
MW-1
B-II-2/ MW-II-2
B-II-1/ MW-II-1
G-6/ TW-5
G-4
G-5
GRAVEL
SWN
SWW
BW
BE
SWE
SWS
REMOVED 1,000-GAL USTS
GP-II-1/ TRC-II-1
G-7/ TW-7
UST REMOVAL SOIL EXCAVATION TO 9 FEET BGS
B-II-3/ MW-II-3
ESTIMATED EXTENT OF PETROLEUM CONTAMINATION EXCEEDING THE NR720 GROUNDWATER RCLs.
ESTIMATED LOCATION OF REMOVED GASOLINE USTS
GP-II-3/ TRC-II-3

ESTIMATED EXTENT OF PETROLEUM CONTAMINATION EXCEEDING THE NR720 INDUSTRIAL AND NON-INDUSTRIAL DIRECT CONTACT AND/OR GROUNDWATER RCLs.

FORMER
AI AUTO SALES
105 E MAIN STREET
BRRTS# 03-71-562271
BUILDING RAZED

RESIDENCE
113 E MAIN STREET

PDK PROPERTIES
OPEN ERP SITE
115-119 E MAIN STREET
BRRTS# 02-71-562227

GP-12-3/ TRC-12-3
B-12-2
GP-12-2/ TRC-12-2
B-12-1/ MW-12-1
GP-12-1/ TRC-12-1

GRASS
SIDEWALK
QUONSET HUT
GRAVEL
GRAVEL/GRASS
GRAVEL LOT FOR SCHOOL BUS PARKING
24 S 2ND AVENUE

S 2ND AVENUE

B.3.a.(2) GEOLOGIC CROSS -SECTION FIGURE

105 EAST MAIN STREET

METCO
709 Gillette Street, Suite 3
La Crosse, WI 54603
Tel: (608) 781-8878
Fax: (608) 781-8893
Excellence through experience

WINNECONNE, WISCONSIN

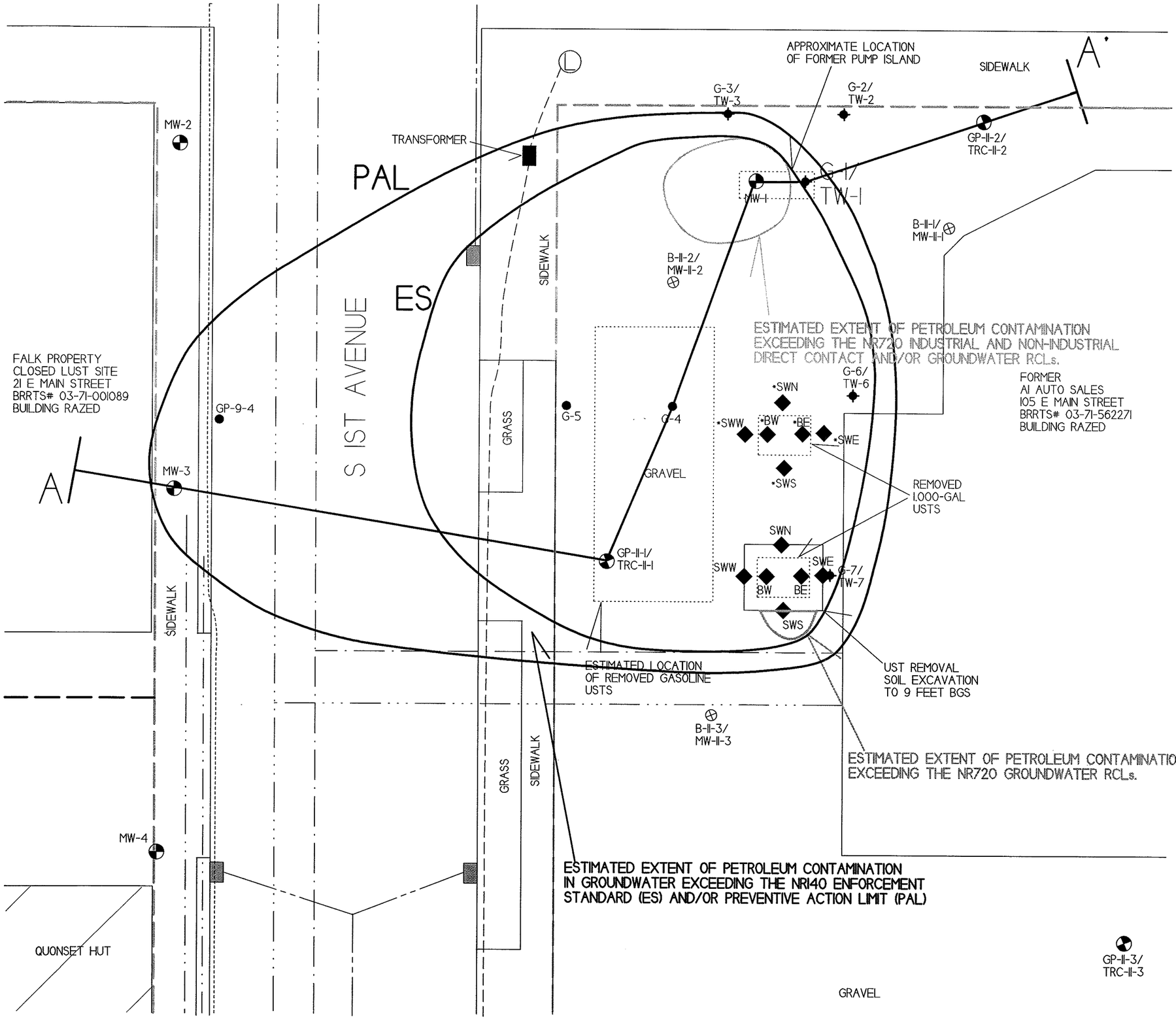
DRAWN BY: ED

DATE: 08/05/2015

NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER

SCALE: 1 INCH = 15 FEET

0 15



- = MONITORING WELL LOCATION (105 E MAIN ST)
- = MONITORING WELL LOCATION (DOT PHASE 3)
- = GEOPROBE BORING/TEMPORARY WELL LOCATION (ABANDONED - 105 E MAIN ST)
- = GEOPROBE BORING LOCATION (105 E MAIN ST)
- = GEOPROBE BORING/TEMPORARY WELL LOCATION (ABANDONED - DOT PHASE 2)
- = GEOPROBE BORING LOCATION (DOT PHASE 2/3)
- = TEST PIT - FALK PROPERTY - 1991
- = UST EXCAVATION SOIL SAMPLE LOCATION
- UTILITY POLE
- LIGHT POLE
- STORM DRAIN

PROPERTY BOUNDARY

WATER LINE

SANITARY SEWER LINE

STORM SEWER LINE

NATURAL GAS LINE

FIBER OPTIC LINE

BURIED ELECTRIC

OVERHEAD UTILITIES

NOTES:

1) THE GROUNDWATER ISOCONCENTRATION MAP IS BASED ON GROUNDWATER ANALYTICAL RESULTS FROM THE NOVEMBER 28, 2016 GEOPROBE PROJECT, DECEMBER 2, 2017 GROUNDWATER SAMPLING EVENT (TEMPORARY WELLS), AND SEPTEMBER 21, 2017 SAMPLING EVENT (MONITORING WELLS).

2) SOIL SAMPLES B-11-1 (8-10 FEET BGS), B-11-2 (10-12 FEET BGS), GP-11-2, (12.5-15 FEET BGS), AND GP-11-3 (12.5-15 FEET BGS) SHOWED NR720 GROUNDWATER RCL EXCEEDANCES FOR TRICHLOROETHENE AND/OR TETRACHLOROETHENE. HOWEVER, ALL OF THESE SOIL SAMPLES WERE COLLECTED BELOW THE ALL-TIME LOW WATERTABLE (SATURATED). ALSO, MONITORING WELLS MW-1 THOUGH MW-4, TRC-11-1, TRC-11-2, AND TRC-11-3 AND TEMPORARY WELLS MW-11-1, MW-11-2, AND MW-11-3 SHOWED NR140 ES AND/OR PAL EXCEEDANCES FOR TRICHLOROETHENE, TETRACHLOROETHENE, AND/OR CIS-1,2-DICHLOROETHENE. HOWEVER, THIS CHLORINATED GROUNDWATER CONTAMINATION IS FROM THE OPEN PDK PROPERTIES ERP SITE LOCATED APPROXIMATELY 50 FEET EAST (UP-GRADIENT) OF THE SUBJECT PROPERTY.

3) UNSATURATED SOIL SAMPLES COLLECTED FROM GEOPROBE/SOIL BORING LOCATIONS B-11-1, B-11-2, B-11-3, TRC-11-1, TRC-11-2, AND TRC-11-3 SHOWED NR720 NON-INDUSTRIAL DIRECT CONTACT AND GROUNDWATER RCL EXCEEDANCES FOR ARSENIC. ALSO, MONITORING WELL TRC-11-1 AND TEMPORARY WELL MW-11-2 SHOWED NR140 PAL EXCEEDANCES FOR ARSENIC. THIS APPEARS TO BE DUE TO A REGIONAL ISSUE WITH ELEVATED ARSENIC LEVELS IN SOIL. HOWEVER, ALL OF THE LEVELS OF ARSENIC WERE BELOW THE STATEWIDE SOIL BACKGROUND THRESHOLD VALUE OF 8 PPM.

B.3.a.(3) GEOLOGIC CROSS -SECTION FIGURE

105 EAST MAIN STREET

METCO
709 Gillette Street, Suite 3
La Crosse, WI 54603
Tel: (608) 781-8879
Fax: (608) 781-8893
Excellence through experience

WINNECONNE, WISCONSIN

DRAWN BY: MM, 7/12/2017
UPDATED BY: ED, 1/3/2018

HORIZONTAL SCALE:
1 INCH = 15 FEET

0 15

VERTICAL SCALE:
1 INCH = 5 FEET

15 0

- GEOPROBE BORING/TEMPORARY WELL LOCATION (ABANDONED - 105 E MAIN ST)
- GEOPROBE BORING LOCATION (105 E MAIN ST)
- MONITORING WELL LOCATION (105 E MAIN ST)
- MONITORING WELL LOCATION (DOT PHASE 3)
- GEOPROBE BORING SOIL SAMPLE LOCATION
- MONITORING WELL SOIL SAMPLE LOCATION
- WATERTABLE
- WATERTABLE (ALL TIME LOW)
- TAN TO BROWN SAND AND GRAVEL (FILL)
- BROWN TO REDDISH BROWN TO REDDISH TAN TO TAN SILT/CLAY WITH VARYING AMOUNTS OF GRAVEL

PID-PHOTOIONIZATION DETECTOR
VOC-VOLATILE ORGANIC COMPOUNDS
PVOC-PETROLEUM VOLATILE ORGANIC COMPOUNDS
B-BENZENE
E-ETHYLBENZENE
N-NAPHTHALENE
T-TOLUENE
TMB-TRIMETHYLBENZENE
X-XYLENE
A-ARSENIC
L2-DCA-1,2-DICHLOROETHANE
1,1-DCE-1,1-DICHLOROETHENE
cis-1,2-DCE- cis-1,2-DICHLOROETHENE
trans-1,2-DCE-trans-1,2-DICHLOROETHENE
PCE-TETRACHLOROETHENE
TCE-TRICHLOROETHENE
VC-VINYL CHLORIDE

- INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER.
- SOIL SAMPLE RESULTS ARE PRESENTED IN PARTS PER MILLION (PPM).
- GROUNDWATER SAMPLE RESULTS ARE PRESENTED IN PARTS PER BILLION (PPB).
- ONLY SOIL RCL OR NR140 ES AND/OR PAL EXCEEDANCES HAVE BEEN DOCUMENTED ON THE MAP. SEE DATA TABLES AND/OR LABORATORY REPORTS FOR ALL RESULTS.
- SOIL AND GROUNDWATER SAMPLE DATA IS BASED ON LABORATORY RESULTS FROM SAMPLES COLLECTED DURING THE:
  PHASE III GEOPROBE PROJECT - 9/17-18/2014
  PHASE III GROUNDWATER SAMPLING - 9/22/2014
  GEOPROBE/DRILLING PROJECT - 11/28/2016
  TEMPORARY WELL SAMPLING - 12/2/2016
  ROUND 3 GROUNDWATER SAMPLING - 9/21/2017

NOTES:

1) SOIL SAMPLES B-II-1 (8-10 FEET BGS), B-II-2 (10-12 FEET BGS), GP-II-2, (12.5-15 FEET BGS), AND GP-II-3 (12.5-15 FEET BGS) SHOWED NR720 GROUNDWATER RCL EXCEEDANCES FOR TRICHLOROETHENE AND/OR TETRACHLOROETHENE. HOWEVER, ALL OF THESE SOIL SAMPLES WERE COLLECTED BELOW THE ALL-TIME LOW WATERTABLE (SATURATED). ALSO, MONITORING WELLS MW-1 THOUGH MW-4, TRC-II-1, TRC-II-2, AND TRC-II-3 AND TEMPORARY WELLS MW-II-1, MW-II-2, AND MW-II-3 SHOWED NR140 ES AND/OR PAL EXCEEDANCES FOR TRICHLOROETHENE, TETRACHLOROETHENE, AND/OR CIS-1,2-DICHLOROETHENE. HOWEVER, THIS CHLORINATED GROUNDWATER CONTAMINATION IS FROM THE OPEN PDK PROPERTIES ERP SITE LOCATED APPROXIMATELY 50 FEET EAST (UP-GRADIENT) OF THE SUBJECT PROPERTY.

2) UNSATURATED SOIL SAMPLES COLLECTED FROM GEOPROBE/SOIL BORING LOCATIONS B-II-1, B-II-2, B-II-3, TRC-II-1, TRC-II-2, AND TRC-II-3 SHOWED NR720 NON-INDUSTRIAL DIRECT CONTACT AND GROUNDWATER RCL EXCEEDANCES FOR ARSENIC. ALSO, MONITORING WELL TRC-II-1 AND TEMPORARY WELL MW-II-2 SHOWED NR140 PAL EXCEEDANCES FOR ARSENIC. THIS APPEARS TO BE DUE TO A REGIONAL ISSUE WITH ELEVATED ARSENIC LEVELS IN SOIL. HOWEVER, ALL OF THE LEVELS OF ARSENIC WERE BELOW THE STATEWIDE SOIL BACKGROUND THRESHOLD VALUE OF 8 PPM.

A

A'

ESTIMATED EXTENT OF PETROLEUM CONTAMINATION EXCEEDING THE NR720 INDUSTRIAL AND NON-INDUSTRIAL DIRECT CONTACT AND/OR GROUNDWATER RCLs.

960.00' MSL
955.00' MSL
950.00' MSL
945.00' MSL
940.00' MSL

ESTIMATED LOCATION OF FORMER USTs

FORMER PUMP ISLAND

SIDEWALK
MW-3
GRASS
S 1ST AVENUE
CONCRETE
SIDEWALK
GRAVEL
GP-II-1/ TRC-II-1
G-4
MW-1
G-1/ TW-1
GP-II-2/ TRC-II-2
SIDEWALK

MW-3-1
3.5 FEET
PID-2.4
NOT SAMPLED
2/5/2018

MW-3-2
8 FEET
PID-4.9
NOT SAMPLED

MW-3-3
12 FEET
PID-2.3
NOT SAMPLED

GP-II-1
0-2.5 FEET
PID-0.8

GP-II-1
2.5-5 FEET
PID-41
A-2.2

GP-II-1
5-7.5 FEET
PID-4.5

GP-II-1
7.5-10 FEET
PID-17
A-3.2

GP-II-1
10-12.5 FEET
PID-0.8

GP-II-1
12.5-15 FEET
PID-0.8

G-4-1
3.5 FEET
PID-1.5
NO DETECTS PVOC OR N

G-4-2
6 FEET
PID-4.5
NO DETECTS PVOC OR N

G-4-3
10 FEET
PID-458
NOT SAMPLED

MW-1-1
3.5 FEET
PID-984
B-32
E-32
N-65
T-144
L2,4-TMB-306
L3,5-TMB-104
X-297

MW-1-2
7 FEET
PID-776
B-0.68
E-2.03
N-2.89
L2,4-TMB-1.8
L3,5-TMB-4.3
X-14.9

MW-1-3
12 FEET
PID-6.2
NOT SAMPLED

MW-1-4
15 FEET
PID-21.5
NOT SAMPLED

G-1-1
3.5 FEET
PID-1.0
NO DETECTS PVOC OR N

G-1-2
7 FEET
PID-1.0
NO DETECTS PVOC OR N

G-1-3
10 FEET
PID-2.9
NOT SAMPLED

GP-II-2
0-2.5 FEET
PID-0.5

GP-II-2
2.5-5 FEET
PID-2.6
A-3.7

GP-II-2
5-7.5 FEET
PID-11

GP-II-2
7.5-10 FEET
PID-1.0

GP-II-2
10-12.5 FEET
PID-6.7

GP-II-2
12.5-15 FEET
PID-10.7
A-2.9
TCE-0.43

9/22/2017
9/21/2017
2/5/2018

ESTIMATED EXTENT OF PETROLEUM CONTAMINATION IN GROUNDWATER EXCEEDING THE NR140 ENFORCEMENT STANDARD (ES) AND/OR PREVENTIVE ACTION LIMIT (PAL)

MW-3
1.3 1,2-DCA
22.6 TCE
0.22 VC

TRC-II-1
29.4 B
0.69 1,2-DCA
1.1 1,1-DCE
1.30 cis-1,2-DCE
24.5 trans-1,2-DCE
26.2 TCE
0.28 VC

G-4-W
7.4 B
1290 E
303 N
460 T
859 TMB
1529 X

MW-1
36 cis-1,2-DCE
13.2 PCE
480 TCE

TW-1
NO EXCEEDANCES FOR PVOC/N

TRC-II-2
1370 TCE

B.3.b. GROUNDWATER ISOCONCENTRATION (9/21/17)

105 EAST MAIN STREET

METCO
709 Gillette Street, Suite 3
La Crosse, WI 54603
Tel: (608) 781-8879
Fax: (608) 781-8893
Excellence through experience

WINNECONNE, WISCONSIN

DRAWN BY: ED
DATE: 08/05/2015

NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER

SCALE: 1 INCH = 30 FEET
0 15 30

- MONITORING WELL LOCATION (105 E MAIN ST)
- MONITORING WELL LOCATION (DOT PHASE 3)
- GEOPROBE BORING/TEMPORARY WELL LOCATION (ABANDONED - 105 E MAIN ST)
- GEOPROBE BORING LOCATION (105 E MAIN ST)
- GEOPROBE BORING/TEMPORARY WELL LOCATION (ABANDONED - DOT PHASE 2)
- GEOPROBE BORING LOCATION (DOT PHASE 2/3)
- TEST PIT - FALK PROPERTY - 1991
- UST EXCAVATION SOIL SAMPLE LOCATION
- UTILITY POLE
- LIGHT POLE
- STORM DRAIN

PROPERTY BOUNDARY
WATER LINE
SANITARY SEWER LINE
STORM SEWER LINE
NATURAL GAS LINE
FIBER OPTIC LINE
BURIED ELECTRIC
OVERHEAD UTILITIES

NOTES:
1) THE GROUNDWATER ISOCONCENTRATION MAP IS BASED ON GROUNDWATER ANALYTICAL RESULTS FROM THE NOVEMBER 28, 2016 GEOPROBE PROJECT, DECEMBER 2, 2017 GROUNDWATER SAMPLING EVENT (TEMPORARY WELLS), AND SEPTEMBER 21, 2017 SAMPLING EVENT (MONITORING WELLS).

2) MONITORING WELLS MW-1 THOUGH MW-4, TRC-11-1, TRC-11-2, AND TRC-11-3 AND TEMPORARY WELLS MW-11-1, MW-11-2, AND MW-11-3 SHOWED NR140 ES AND/OR PAL EXCEEDANCES FOR TRICHLOROETHENE, TETRACHLOROETHENE, AND/OR CIS-1,2-DICHLOROETHENE. HOWEVER, THIS CHLORINATED GROUNDWATER CONTAMINATION IS FROM THE OPEN PDK PROPERTIES ERP SITE LOCATED APPROXIMATELY 50 FEET EAST (UP-GRADIENT) OF THE SUBJECT PROPERTY.

3) MONITORING WELL TRC-11-1 AND TEMPORARY WELL MW-11-2 SHOWED NR140 PAL EXCEEDANCES FOR ARSENIC. THIS APPEARS TO BE DUE TO A REGIONAL ISSUE WITH ELEVATED ARSENIC LEVELS IN SOIL. HOWEVER, ALL OF THE LEVELS OF ARSENIC WERE BELOW THE STATEWIDE SOIL BACKGROUND THRESHOLD VALUE OF 8 PPM.

MAIN STREET/HIGHWAY 116

SIDEWALK

SIDEWALK

ESTIMATED EXTENT OF PETROLEUM CONTAMINATION IN GROUNDWATER EXCEEDING THE NR140 ENFORCEMENT STANDARD (ES) AND/OR PREVENTIVE ACTION LIMIT (PAL)

PROPOSED NEW RIGHT OF WAY LINE AFTER DOT ACQUISITION

APPROXIMATE LOCATION OF FORMER PUMP ISLAND

WOLF RIVER

FMR PUMPS

TP-4
TP-1
TP-3
TP-2
MW-2
AREA OF REMOVED GASOLINE USTS
GP-9-3/ TW-9-3

GP-9-2/ TW-9-2

FALK PROPERTY
CLOSED LUST SITE
21 E MAIN STREET
BRRTS# 03-71-001089
BUILDING RAZED

GP-9-4
MW-3
GP-9-1/ TW-9-1

SIDEWALK

S 1ST AVENUE

PAL

ES

TRANSFORMER

G-3/ TW-3
G-2/ TW-2
G-1/ TW-1
MW-1
B-11-2/ MW-11-2
B-11-1/ MW-11-1
GP-11-2/ TRC-11-2

SIDEWALK

GRASS

G-5
G-4
GRAVEL
G-6/ TW-6
G-7/ TW-7
*SWN
*BW
*BE
*SWE
*SWW
*SWS
SWN
SWE
SWW
BW
BE
SWS
REMOVED 1,000-GAL USTS
GP-11-1/ TRC-11-1
B-11-3/ MW-11-3
UST REMOVAL SOIL EXCAVATION TO 9 FEET BGS

SIDEWALK

GRASS

SIDEWALK

GRASS

SIDEWALK

MW-4
QUONSET HUT

ESTIMATED LOCATION OF REMOVED GASOLINE USTS

GP-11-3/ TRC-11-3

GRAVEL

GRAVEL/GRASS

FORMER
AI AUTO SALES
105 E MAIN STREET
BRRTS# 03-71-562271
BUILDING RAZED

RESIDENCE
113 E MAIN STREET

GP-12-3/ TRC-12-3
B-12-2
GP-12-2/ TRC-12-2

PDK PROPERTIES
OPEN ERP SITE
115-119 E MAIN STREET
BRRTS# 02-71-562227

B-12-1/ MW-12-1
GP-12-1/ TRC-12-1

GRAVEL

GRAVEL LOT FOR SCHOOL BUS PARKING
24 S 2ND AVENUE

S 2ND AVENUE

Attachment E/Monitoring Well Information

Due to the planned road construction, the WDNR recommended that the monitoring well network be abandoned to accommodate the upcoming road construction.

On September 21, 2017, METCO abandoned monitoring wells MW-1, -2, -3, and -4. The abandonment forms are included in Attachment C.1.

On September 22, 2017, TRC Environmental abandoned monitoring wells TRC-11-1 and TRC-11-2. The well abandonment forms were submitted to the WDNR in the September 29, 2017 Status Report.

On October 30, 2017, TRC Environmental abandoned monitoring well TRC-11-3. The well abandonment forms were submitted to the WDNR in the November 3, 2017 Status Report.