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

Case Closure

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.		
03-59-190963			
Parcel ID No.			
108-75050-0000			
FID No.	**WTM Coordinates**		
	X	Y	
459003930	600450	488205	
BRRTS Activity (Site) Name	**WTM Coordinates Represent:**		
A to Z Sales & Service	☒ Source Area ☐ Parcel Center		
Site Address	**City**	**State**	**ZIP Code**
100 W Main Street	Bowler	WI	54416
Acres Ready For Use			
0.21			

Responsible Party (RP) Name			
Kerry Breitrick			
Company Name			
Village of Bowler			
Mailing Address	**City**	**State**	**ZIP Code**
107 W Main Street	Bowler	WI	54416
Phone Number	**Email**		
(715) 793-4910	villageofbowler@frontier.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			

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 A to Z Sales & Service property, located at 100 W Main Street, is located in the southwest corner of the intersection of W Main Street and S Almon Street. The site is bound by W Main Street to the north, S Almon Street to the east, a residential property to the south, and a property that is occupied by a service building for Frontier Communications to the west.

B. Prior and current site usage: Specifically describe the current and historic occupancy and types of use.
A gas station and service garage operated on the subject property from approximately the 1940s until the early 1980s. After the retail fuel sales ceased the property continued to operate as a service garage and auto parts store until the late 1980s or early 1990s. Since then the property has been vacant and the former gas station and service garage buildings were razed in approximately 2007. A bulk petroleum storage facility operated on the southwest corner of the subject property from approximately the 1940s until the late 1950s or early 1960s.

In October 1988, two 1,000-gallon leaded gasoline USTs were removed from the subject property.

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 Shawano County Web Mapping site, the subject property is zoned "exempt". The properties to the east and west are also zoned "exempt". The property to the north is zoned "commercial" and the property to the south is zoned "residential and commercial".

D. Describe how and when site contamination was discovered.
On May 21, 1998, Fluid Management, Inc. completed one Geoprobe soil boring and collected one soil sample (GP-1) for GRO and PVOC analysis. The soil analytical results showed 5,560 ppm GRO along with detects for Benzene, Ethylbenzene, Toluene, Trimethylbenzene, and Xylene. The petroleum contamination was subsequently reported to the WDNR, who then required that a site investigation be conducted. The soil sample depth and location were not reported to the WDNR.

E. Describe the type(s) and source(s) or suspected source(s) of contamination.
The sources of the contamination are the former gasoline UST systems that operated on the property from the 1940s until the early 1980s and the bulk petroleum storage facility that operated on the property from approximately the 1940s until the late 1950s or early 1960s.

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.
There are no other BRRTS activities for the subject property.

H. List BRRTS activity/site name(s) and number(s) for all properties immediately adjacent to (abutting) this source property.
There are no other BRRTS activities for any immediately adjacent (abutting) properties. However, it should be noted that a closed LUST site (Mary's Place, BRRTS# 03-59-177843) exists across W Main Street from the subject property, 66 feet to the north. This site is upgradient of the local groundwater flow direction and it appears that groundwater contamination from the Mary's Place LUST site has commingled with the groundwater contamination from the A to Z Sales & Service site.

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.
Local unconsolidated materials generally consist of interbedded layers of silty/clayey sand with gravel to sandy silt/clay from surface to depths ranging from 2 to 10 feet below ground surface (bgs). At depths ranging from 2 to 10 feet bgs and extending to at least 20 feet bgs exists a very fine to coarse grained sand to silty sand with gravel.

ii. Describe the composition, location and lateral extent, and depth of fill or waste deposits on the site.
No fill or waste deposits were encountered during the site investigation. However, following the excavation project, the excavation areas were backfilled with clean fill material.

iii. Describe the depth to bedrock, bedrock type, competency and whether or not it was encountered during the investigation.
Based on local well construction reports, the unconsolidated materials are underlain by granite bedrock at approximately 15-20 feet below ground surface. Refusal was encountered at 11 feet bgs in Geoprobe boring G-6, which was suspected to be due to bedrock or a large boulder. However, bedrock was not encountered in any other soil borings.

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 subject property is a vacant lot that is covered by mostly grass. A gravel driveway extends south from W Main Street and onto the adjacent property to the west and then curves to the east and runs across the subject property to S Almon Street. There is also an asphalt bike path that cuts across the southeast corner of the property.

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.

According to data collected from the monitoring wells, the depth to groundwater ranges from 9.62 to 15.72 feet bgs depending on well location and time of year. No piezometer wells were installed during the investigation. Free product was not encountered in any of the monitoring wells. The stratigraphic unit where the watertable was encountered consists of very fine to coarse grained sand to silty sand with gravel.

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

Watertable measurements collected from the monitoring wells show the local horizontal groundwater flow in the immediate area of the subject property to be generally toward the southwest. One sampling event from May 1, 2018 showed local horizontal groundwater flow in the immediate area of the subject property to be toward the north on the northern section of the site, and southwest on the southern section of the site. However, this may have been due to localized groundwater mounding caused by melting of snow that is piled on the property during the winter. Groundwater flow direction deeper in the aquifer is unknown as no piezometer wells have been installed.

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

On January 30, 2018, METCO conducted slug tests on monitoring wells MW-1, MW-2 and MW-3. 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. An average hydraulic gradient of 9.14E-3 was used based on the five rounds of water level elevations collected. The porosity of the geologic materials was estimated to be 30%. Hydrogeologic parameters were estimated as follows:

Monitoring Well MW-1
Hydraulic Conductivity (K) = 2.52E-03 cm/sec
Transmissivity = 3.48E-01cm2/sec
Flow Velocity (V=KI/n) = 23.40 m/yr

Monitoring Well MW-2
Hydraulic Conductivity (K) = 3.34E-03 cm/sec
Transmissivity = 5.10E-01 cm2/sec
Flow Velocity (V=KI/n) = 31.05 m/yr

Monitoring Well MW-3
Hydraulic Conductivity (K) = 5.20E-04 cm/sec
Transmissivity = 5.63E-02 cm2/sec
Flow Velocity (V=KI/n) = 4.83 m/yr

Since the thickness of the unconfined aquifer was unknown, the bottoms of monitoring wells MW-1, MW-2 and MW-3 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 Bowler municipal water supply. The Village of Bowler has two municipal wells (Well #1 and Well #3), which are both located over 1,200 feet from the subject property. There are four private wells within Village of Bowler, but these are not used for domestic water supply. The closest of these is located approximately 775 feet to the east of the subject property. The other three non-potable private wells are located over 1,200 feet from 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 April 29, 2002, during a Phase 2.5 Environmental Sampling Investigation for the Wisconsin Department of Transportation, Earth Tech, Inc. completed three soil borings at the intersection of Main Street and Almon Street. The

three soil borings (B-1, B-2, and B-3) were each completed to 3 feet below ground surface (bgs) with one soil sample submitted from each boring at 2-3 feet bgs for DRO, GRO, PVOC, and Lead analysis. (Phase 2.5 Environmental Sampling Investigation, July 2002)

On June 19-20, 2017, Geiss Soil and Samples LLC of Merrill, Wisconsin,completed twenty-one Geoprobe soil borings (G-1 through G-21) under the direction and supervision of METCO personnel. Seventy soil samples were collected for field analysis (PID). Sixty-two soil samples were submitted for laboratory analysis (VOC, PVOC, Naphthalene, PAH, and/or Lead). Nineteen groundwater samples were collected from the Geoprobe borings for laboratory analysis (PVOC and Naphthalene). (Site Investigation Report, August 7, 2018)

On October 23-24, 2017, Soils & Engineering Services of Madison, Wisconsin, installed six monitoring wells (MW-1 through MW-6) under the direction and supervision of METCO personnel. Twenty-four soil samples were collected for field analysis (PID). Two soil samples were submitted for laboratory analysis (GRO, PVOC, Naphthalene, TCLP Lead, and/or TCLP Benzene).Upon completion, the monitoring wells were properly developed by METCO personnel. (Site Investigation Report, August 7, 2018)

On January 30, 2018, METCO personnel collected groundwater samples from the six monitoring wells for field and laboratory analysis. The monitoring wells were analyzed for VOC, PAH, Dissolved Lead, Dissolved Iron, Dissolved Manganese, Nitrate/Nitrite, and Sulfate. Water level, dissolved oxygen, pH, ORP, specific conductance, and temperature measurements were collected from all sampled monitoring wells. During the groundwater sampling event, Fauerbach Surveying & Engineering surveyed all site monitoring wells to feet mean sea level. (Site Investigation Report, August 7, 2018)

On May 1, 2018, METCO personnel collected groundwater samples from the six monitoring wells for field and laboratory analysis. The monitoring wells were analyzed for PVOC, Naphthalene, and Dissolved Lead. Water level, dissolved oxygen, pH, ORP, specific conductance, and temperature measurements were collected from all sampled monitoring wells. (Site Investigation Report, August 7, 2018)

On June 23 - 25, 2019, DKS Construction Services, Inc. of Menomonie, Wisconsin conducted a soil excavation/disposal project at the subject property under the supervision and direction of METCO personnel. During this project, 1,078.27 tons of contaminated soil was excavated and hauled to the Advanced Disposal - Cranberry Creek Landfill in Wisconsin Rapids, Wisconsin. The excavation was conducted in two areas, one was in the area of the removed UST's and consisted of an irregular shaped area measuring up to 54 feet long by 35 feet wide, and 16 feet deep. The second area consisted of a square shape measuring 20 feet long by 20 feet wide and 4 feet deep. From the first excavation area, eight soil samples were collected from the sidewalls at 3 and 9 feet bgs and one sample was collected from the bottom at 16 feet bgs for PVOC and Naphthalene analysis. Four soil samples were collected from the side walls of the second excavation at 3 feet bgs for PAH analysis. (Letter Report, October 3, 2019)

On July 30, 2019, Geiss Soil and Samples LLC of Merrill, Wisconsin, installed two monitoring wells (MW-1R and MW-7) under the direction and supervision of METCO personnel. During the installation of MW-7, five soil samples were collected for PID analysis of which one was submitted for laboratory analysis (GRO, PVOC and Naphthalene). Upon completion, the monitoring wells were properly developed. (Letter Report, October 3, 2019)

On August 27, 2019, METCO personnel collected groundwater samples from the seven monitoring wells for field and laboratory analysis. Monitoring well MW-7 was analyzed for Dissolved Lead and VOCs. The remainder of the monitoring wells were analyzed for PVOC, Naphthalene, and Dissolved Lead. Water level, dissolved oxygen, pH, ORP, specific conductance, and temperature measurements were collected from all sampled monitoring wells. During the groundwater sampling event, the new monitoring wells (MW-1R and MW-7) were surveyed to feet mean sea level (msl) by METCO personnel. (Letter Report, October 3, 2019)

On November 19, 2019, Braun Intertec installed three sub-slab vapor sampling ports (SS-1, SS-2, and SS-3) in the concrete floor of the office/shop building at the neighboring property to the south (104 Almon Street). The air samples were collected using a 6-liter Suma canister with a flow regulator that allowed the sub-slab vapor samples to be collected over a 30-minute period. Water dam and shut in tests were completed to assure that the vapor sampling pin was properly sealed and there were no leaks in the sampling connections. The sub-slab vapor samples were analyzed for PVOC and Naphthalene (Method TO-15). Once the sampling was complete the vapor probes were properly abandoned. (Letter Report, March 4, 2020)

On November 19, 2019, METCO personnel collected groundwater samples from the seven monitoring wells for field and laboratory analysis. The monitoring wells were analyzed for PVOC, Naphthalene, and Dissolved Lead. Water level, dissolved oxygen, pH, ORP, specific conductance, and temperature measurements were collected from all sampled monitoring wells. (Letter Report, March 4, 2020)

On February 11, 2020, METCO personnel collected groundwater samples from the seven monitoring wells for field and laboratory analysis. The monitoring wells were analyzed for PVOC, Naphthalene, and Dissolved Lead. Water level, dissolved oxygen, pH, ORP, specific conductance, and temperature measurements were collected from all sampled

monitoring wells. (Letter Report, March 4, 2020)

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 area of soil contamination exceeding the NR720 Groundwater RCLs extends onto the adjacent property to the west at 102 W Main Street. This area of soil contamination measures approximately 65 feet wide at the property boundary, extends up to 5 feet onto the property, and was encountered at 3.5 feet bgs.

The area of groundwater contamination exceeding the NR140 ES extends into the right of way of S Almon Street (CTH D) and onto three adjacent properties at 102 W Main Street, 104 W Main Street, and 104 S Almon Street. The area of groundwater contamination extending into the right of way of S Almon Street measures approximately 66 feet wide at the property boundary and extends up to 10 feet into the right of way. The area of groundwater contamination extending onto the property at 102 W Main Street spans the entire length of the property (150 feet) and extends across the entire width (60 feet) of the southern half of the property. The area of groundwater contamination extending onto the property at 104 W Main Street measures approximately 75 feet wide at the property boundary and extends up to 24 feet onto the property. The area of groundwater contamination extending onto the property at 104 S Almon Street measures approximately 88 feet wide at the property boundary and extends up to 28 feet onto the property.

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/remediation.

B. Soil

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

There are three areas of residual soil contamination that exceed the NR720 Groundwater RCLs. The first area of residual soil contamination exists to the north of the former pump island and excavation area. This area measures approximately 10 feet long, 2 feet wide, and exists from approximately 9 to 12 feet bgs. The second area of residual soil contamination exists to the south of the removed USTs, pump island, and excavation area. This area measures up to 110 feet long, 35 feet wide, and exists from approximately 3.5 to 12 feet bgs. The third area of residual soil contamination exists in the area of the former bulk petroleum storage facility and south of the shallow excavation conducted in this area. This area measures up to 30 feet long, 18 feet wide, and exists at approximately 3.5 feet bgs.

No potential receptors or contaminant migration pathways were identified in the areas of residual soil contamination.

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

Remaining soil samples collected from within the upper four feet of the soil column which exceed the NR720 RCL's include the following:
G-6-1 (3.5 feet): 31.4 ppm Lead
G-11-1 (3.5 feet): 34.6 ppm Lead
G-12-1 (3.5 feet): 32.3 ppm Lead

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.

The method used to establish the soil cleanup standards for this site were the NR720 RCL's. The property is zoned "Exempt", therefore, the non-industrial standards were used for this site.

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/or PAL has formed at the watertable in the area of the removed UST and AST systems and has migrated toward the southwest. This plume measures at least 250 feet long and up to 140 feet wide at its widest point. The groundwater contaminant plume appears to have commingled with groundwater contamination from the closed Mary's Place LUST site to the north.

There does not appear to be any potential or existing impacts to any water supply wells. No building foundation drain systems are known to exist in the area of groundwater contamination exceeding the NR140 ES or PAL.

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 was not encountered during the site investigation.

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.

On November 19, 2019, Braun Intertec installed three sub-slab vapor sampling ports (SS-1, SS-2, and SS-3) in the concrete floor of the office/shop building at the neighboring property to the south (104 Almon Street). The air samples were collected using a 6-liter Suma canister with a flow regulator that allowed the sub-slab vapor samples to be collected over a 30-minute period. Water dam and shut in tests were completed to assure that the vapor sampling pin was properly sealed and there were no leaks in the sampling connections. The sub-slab vapor samples were analyzed for PVOC and Naphthalene (Method TO-15).

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).

The sub-slab vapor samples showed low level detects for PVOCs, but none exceeded the WDNR Residential Sub-Slab Vapor Action Levels.

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 nearest surface water is an unnamed creek, which exists approximately 250 feet to the west of the subject property. Since it does not appear that the extent of petroleum contamination in soil and groundwater has migrated to any surface waters, 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 collected during 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.

On June 23 - 25, 2019, DKS Construction Services, Inc. of Menomonie, Wisconsin conducted a soil excavation/disposal project at the subject property under the supervision and direction of METCO personnel. During this project, 1,078.27 tons of contaminated soil was excavated and hauled to the Advanced Disposal - Cranberry Creek Landfill in Wisconsin Rapids, Wisconsin. The excavation was conducted in two areas, one was in the area of the removed UST's and consisted of an irregular shaped area measuring up to 54 feet long by 35 feet wide, and 16 feet deep. The second area consisted of a square shape measuring 20 feet long by 20 feet wide and 4 feet deep. From the first excavation area, eight soil samples were collected from the sidewalls at 3 and 9 feet bgs and one sample was collected from the bottom at 16 feet bgs for PVOC and Naphthalene analysis. Four soil samples were collected from the side walls of the second excavation at 3 feet bgs for PAH analysis. (Letter Report, October 3, 2019)

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

No immediate or interim actions were conducted.

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.

On June 23 - 25, 2019, DKS Construction Services, Inc. of Menomonie, Wisconsin conducted a soil excavation/disposal project at the subject property under the supervision and direction of METCO personnel. During this project, 1,078.27 tons of contaminated soil was excavated and hauled to the Advanced Disposal - Cranberry Creek Landfill in Wisconsin Rapids, Wisconsin. The excavation was conducted in two areas, one was in the area of the removed UST's and consisted of an irregular shaped area measuring up to 54 feet long by 35 feet wide, and 16 feet deep. The second area consisted of a square shape measuring 20 feet long by 20 feet wide and 4 feet deep. From the first excavation area, eight soil samples were collected from the sidewalls at 3 and 9 feet bgs and one sample was collected from the bottom at 16 feet bgs for PVOC and Naphthalene analysis. Four soil samples were collected from the side walls of the second excavation at 3 feet bgs for PAH analysis. (Letter Report, October 3, 2019)

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 Green and Sustainable Remediation was 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.

There are three areas of residual soil contamination that exceed the NR720 Groundwater RCLs. The first area of residual soil contamination exists to the north of the former pump island and excavation area. This area measures approximately 10 feet long, 2 feet wide, and exists from approximately 9 to 12 feet bgs. The second area of residual soil contamination exists to the south of the removed USTs, pump island, and excavation area. This area measures up to 110 feet long, 35 feet wide, and exists from approximately 3.5 to 12 feet bgs. The third area of residual soil contamination exists in the area of the former bulk petroleum storage facility and south of the shallow excavation conducted in this area. This area measures up to 30 feet long, 18 feet wide, and exists at approximately 3.5 feet bgs.

The area of soil contamination exceeding the NR720 Groundwater RCLs extends onto the adjacent property to the west at 102 W Main Street. This area of soil contamination measures approximately 65 feet wide at the property boundary, extends up to 5 feet onto the property, and was encountered at 3.5 feet bgs.

A dissolved phase contaminant plume exceeding the NR140 ES and/or PAL has formed at the watertable in the area of the removed UST and AST systems and has migrated toward the southwest. This plume measures at least 250 feet long and up to 140 feet wide at its widest point. The groundwater contaminant plume appears to have commingled with groundwater contamination from the closed Mary's Place LUST site to the north.

The area of groundwater contamination exceeding the NR140 ES extends into the right of way of S Almon Street (CTH D) and onto three adjacent properties at 102 W Main Street, 104 W Main Street, and 104 S Almon Street. The area of groundwater contamination extending into the right of way of S Almon Street measures approximately 66 feet wide at the property boundary and extends up to 10 feet into the right of way. The area of groundwater contamination extending onto the property at 102 W Main Street spans the entire length of the property (150 feet) and extends across the entire width (60 feet) of the southern half of the property. The area of groundwater contamination extending onto the property at 104 W Main Street measures approximately 75 feet wide at the property boundary and extends up to 24 feet onto the property. The area of groundwater contamination extending onto the property at 104 S Almon Street measures approximately 88 feet wide at the property boundary and extends up to 28 feet onto the property.

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.

There is no residual soil contamination within four feet of ground surface that exceeds the NR720 Direct Contact RCLs.

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.

Residual soil contamination that is above the observed low water table that attains or exceeds the NR720 Groundwater RCLs remains in the the following locations:
G-6-1 (3.5 feet): 31.4 ppm Lead
G-11-1 (3.5 feet): 34.6 ppm Lead
G-12-1 (3.5 feet): 32.3 ppm Lead
EX-7 (9 feet): 0.79 ppm Benzene, 15.8 ppm Ethylbenzene, 7.7 ppm Naphthalene, 13.4 ppm Toluene, 66 ppm Trimethylbenzenes, and 81.3 ppm Xylene
EX-9 (9 feet): 1.03 ppm Benzene, 12.4 ppm Ethylbenzene, 7.7 ppm Naphthalene, 6 ppm Toluene, 60.1 ppm Trimethylbenzenes, and 60.9 ppm Xylene

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 and groundwater contamination will be addressed by natural attenuation.

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).

Since the most highly contaminated soils were removed during the excavation project and the overall groundwater contaminant trends appear to be stable to decreasing, it appears that natural attenuation has and will continue to effectively reduce 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).

The excavation project removed all of the soil contamination exceeding the NR720 Direct Contact RCLs along with most of the unsaturated soil contamination exceeding the NR720 Groundwater RCLs. 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 was installed during the site investigation.

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.

No NR140 ES or PAL exemptions are needed at this time.

Groundwater contamination exceeding the NR140 ES and/or PAL remains in the following locations:

Monitoring Well MW-1R: Currently shows NR140 Enforcement Standard (ES) exceedances for Lead (42.7 ppb), Benzene (3,400 ppb), Ethylbenzene (4,100 ppb), Naphthalene (570 ppb), Toluene (39,000 ppb), Trimethylbenzenes (2,970 ppb), and Xylene (18,400 ppb).

Monitoring Well MW-2: Currently shows NR140 ES exceedences for Benzene (550 ppb), Ethylbenzene (1,220 ppb), Naphthalene (266 ppb), Toluene (3,200 ppb), Trimethylbenzenes (1,760 ppb), Xylenes (5,460 ppb), and one NR140 Preventive Action Limit (PAL) exceedance for Lead (6.0 ppb). Please note that the PVOC+Naphthalene analysis for the 8/27/19 sampling event appears to have been switched with MW-5.

Monitoring Well MW-3: Currently shows a NR140 PAL exceedence for Benzene (1.33 ppb).

Monitoring Well MW-5: Currently shows a NR140 PAL exceedance for Benzene (0.76 ppb). Please note that the PVOC +Naphthalene analysis for the 8/27/19 sampling event appears to have been switched with MW-2.

Monitoring Well MW-6: Currently shows NR140 ES exceedances for Benzene (1,340 ppb), Ethylbenzene (1,480 ppb), Naphthalene (207 ppb), Toluene (4,600 ppb), Trimethylbenzenes (978 ppb), and Xylene (5,320 ppb).

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.

None of the sub-slab soil vapor samples collected exceeded the WDNR Residential Sub-Slab Vapor Action Levels.

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: Includes all affected properties and rights-of-way (ROWs). 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 (database fees will apply, 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.

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	102 W Main Street	750500010		APO	600429	488206	X	X											
B	104 W Main Street	750500020		APO	600410	488206	X												
C	104 S Almon Street	364100010		APO	600427	488154	X												
D	S Almon Street (County Hwy D)			ROWH	600460	488216	X												

Signatures and Findings for Closure Determination

This page has been updated as of February 2019 to comply with the requirements of Wis. Admin. Code ch. NR 712.

Check the correct box for this case closure request and complete the corresponding certification statement(s) listed below to demonstrate that the requirements of Wis. Admin. Code ch. NR 712 have been met. The responsibility for signing the certification may not be delegated per Wis. Admin. Code § NR 712.09 (1). Per Wis. Admin. Code § 712.05 (1), the work must be conducted or supervised by the person certifying.

- (●) The investigation and/or response action(s) for this site evaluated and/or addressed groundwater (including natural attenuation remedies). Both a professional engineer and a hydrogeologist must sign this document per Wis. Admin. Code ch. NR 712.
- ( ) The investigation and the response action(s) for this site did not evaluate or address groundwater. A professional engineer must sign this document per Wis. Admin. Code ch. NR 712.

Engineering Certification

I, Thomas P. Pignet, 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 document has been prepared 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 document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

Signature Thomas Pignet (reviewed) P.E.# 33227-006

Title Engineer Seal/Stamp

WISCONSIN THOMAS P. PIGNET 33227-006 LA CROSSE WISCONSIN 5/29/20 PROFESSIONAL ENGINEER

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, am registered in accordance with the requirements of ch. GHSS 2, Wis. Adm. Code, or licensed in accordance with the requirements of ch. GHSS 3, Wis. Adm. Code, and that, to the best of my knowledge, all of the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

Signature

Title Senior Hydrogeologist Date 5/29/20