

Wisconsin Department of Natural Resources
Case Closure – GIS Registry
NR 4400-202

For: A to Z Sales & Service
BRRTS # 03-59-190963

May 29, 2020



Excellence through experience™



Excellence through experience™

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

May 29, 2020

WDNR BRRTS#: 03-59-190963
PECFA #: 54416-9999-00

Denise Danelski, Environmental Program Associate
WDNR Remediation and Redevelopment Program
WDNR West Northeast Region
2984 Shawano Avenue
Green Bay, Wisconsin 54313-6727

RE: A to Z Sales & Service - Closure Review and Continuing Obligation Fees

Dear Ms. Danelski,

The complete closure submittal for the A to Z Sales & Service site (BRRTS# 03-59-190963) is being sent to Andrew James of the Wisconsin Department of Natural Resources. The Closure Review Fee (\$1050.00) and Continuing Obligation Fee for soil and groundwater (\$650.00) are not included as a lien has been placed on the properties deed for these fees.

Sincerely,

A handwritten signature in cursive script that reads "Jason T. Powell".

Jason T. Powell
Staff Scientist

C: Kerry Breitrick (Village of Bowler) - Client

Table of Contents

WDNR Case Summary and Case Closure – GIS Registry Form

Attachment A/Data Tables

Attachment B/Maps, Figures, and Photos

Attachment C/Documentation of Remedial Action

Attachment D/Maintenance Plan(s)

Attachment E/Monitoring Well Information

Attachment F/Source Legal Documents

Attachment G/Notifications to Owners of Affected Properties

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 | | |
| 459003930 | X 600450 | Y 488205 | |
| BRRTS Activity (Site) Name | WTM Coordinates Represent: | | |
| A to Z Sales & Service | <input checked="" type="checkbox"/> Source Area <input type="checkbox"/> 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 Breitrack | | | |
| 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

- 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:

| | |
|------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|
| <input checked="" type="checkbox"/> \$1,050 Closure Fee | <input checked="" type="checkbox"/> \$300 Database Fee for Soil |
| <input checked="" type="checkbox"/> \$350 Database Fee for Groundwater or Monitoring Wells (Not Abandoned) | Total Amount of Payment \$ <u>\$1,700.00</u> |
| | <input type="checkbox"/> Resubmittal, Fees Previously Paid |
- 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-01 cm²/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 exceedances 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 exceedance 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): | | | Case Closure Situation - Continuing Obligation (database fees will apply, ii. - xiv.) | Maintenance Plan Required | |
|-------------------------------------------------------------------------|-------------------------------------|-------------------------------------|------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| Property Type: | | | | | |
| Source Property | Affected Property (Off-Source) | ROW | | | |
| i. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | None of the following situations apply to this case closure request. | NA |
| ii. | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | Residual groundwater contamination exceeds ch. NR 140 ESs. | NA |
| iii. | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Residual soil contamination exceeds ch. NR 720 RCLs. | NA |
| iv. | | | | Monitoring Wells Remain: | |
| | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | • Not Abandoned (filled and sealed) | NA |
| | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | • Continued Monitoring (requested or required) | Yes |
| v. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Cover/Barrier/Engineered Cover or Control for (soil) direct contact pathways (includes vapor barriers) | Yes |
| vi. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Cover/Barrier/Engineered Cover or Control for (soil) groundwater infiltration pathway | Yes |
| vii. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Structural Impediment: impedes completion of investigation or remedial action (not as a performance standard cover) | NA |
| viii. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Residual soil contamination meets NR 720 industrial soil RCLs, land use is classified as industrial | NA |
| ix. | <input type="checkbox"/> | <input type="checkbox"/> | NA | Vapor Mitigation System (VMS) required due to exceedances of vapor risk screening levels or other health based concern | Yes |
| x. | <input type="checkbox"/> | <input type="checkbox"/> | NA | Vapor: Dewatering System needed for VMS to work effectively | Yes |
| xi. | <input type="checkbox"/> | <input type="checkbox"/> | NA | Vapor: Compounds of Concern in use: full vapor assessment could not be completed | NA |
| xii. | <input type="checkbox"/> | <input type="checkbox"/> | NA | Vapor: Commercial/industrial exposure assumptions used. | NA |
| xiii. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Vapor: Residual volatile contamination poses future risk of vapor intrusion | NA |
| xiv. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Site-specific situation: (e. g., fencing, methane monitoring, other) (<i>discuss with project manager before submitting the closure request</i>) | 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://dnrm.wi.gov/si/?Viewer=RR Sites](http://dnrm.wi.gov/si/?Viewer=RR%20Sites)) 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 exceedance (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.

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.

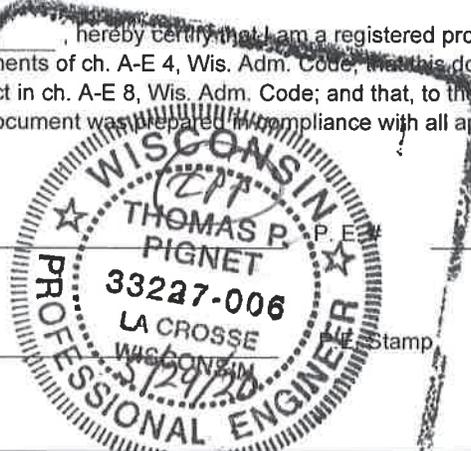
Check the correct box for this case closure request and complete the corresponding certification statement(s) listed below to demonstrate that the requirements of Wis. Admin. Code ch. NR 712 have been met. The responsibility for signing the certification may not be delegated per Wis. Admin. Code § NR 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, and 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)



33227-006

Title 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 Ronald J. Anderson

Title Senior Hydrogeologist

Date 5/29/20

Attachment A/Data Tables

A.1 Groundwater Analytical Tables

A.2 Soil Analytical Tables

A.3 Residual Soil Contamination Table

A.4 Vapor Analytical Table

A.5 Other Media of Concern - No surface waters or sediments were assessed as part of the site investigation.

A.6 Water Level Elevations

A.7 Other – Natural Attenuation Results, Hydraulic Conductivity Calculations

**A.1 Groundwater Analytical Table
(Geoprobe)**

A to Z Sales & Service – LGU BRRTS #03-59-190963

| Sample ID | Date | Benzene (ppb) | Ethyl-benzene (ppb) | MTBE (ppb) | Naphthalene (ppb) | Toluene (ppb) | Trimethyl-benzenes (ppb) | Xylene (Total) (ppb) |
|----------------------------------------------|----------|---------------|---------------------|------------|-------------------|---------------|--------------------------|----------------------|
| G-1-W | 06/19/17 | 1210 | 4300 | <41 | 1430 | 9800 | 5350 | 19300 |
| G-2-W | 06/19/17 | 1800 | 5500 | <41 | 790 | 31500 | 4260 | 22800 |
| G-3-W | 06/19/17 | 650 | 830 | <41 | 158 | 3600 | 992 | 3930 |
| G-4-W | 06/19/17 | 15.3 | 15.6 | <0.82 | 5.9 | <0.67 | 7.3 | 16 |
| G-5-W | 06/19/17 | <0.17 | <0.2 | <0.82 | <2.17 | <0.67 | <2.05 | <1.95 |
| G-7-W | 06/19/17 | 104 | 1180 | <41 | 251 | 1660 | 1620 | 5680 |
| G-8-W | 06/19/17 | 45 | 1040 | <41 | 400 | 1270 | 3020 | 5580 |
| G-9-W | 06/19/17 | 2960 | 5900 | <82 | 1000 | 24500 | 5180 | 24400 |
| G-10-W | 06/19/17 | 15.5 | 2170 | <41 | 380 | 2370 | 3370 | 8310 |
| G-11-W | 06/19/17 | 320 | 1260 | <82 | 510 | 6300 | 6440 | 20300 |
| G-12-W | 06/19/17 | 10.8 | 16.9 | <0.82 | 25.2 | 7.4 | 103.6 | 94 |
| G-13-W | 06/19/17 | <0.17 | <0.2 | <0.82 | <2.17 | <0.67 | <2.05 | <1.95 |
| G-14-W | 06/19/17 | <0.17 | <0.2 | <0.82 | <2.17 | <0.67 | <2.05 | <1.95 |
| G-15-W | 06/20/17 | 0.29 | 9.6 | <0.82 | <2.17 | <0.67 | 22.4 | 47.6 |
| G-16-W | 06/20/17 | <0.17 | 1.19 | <0.82 | <2.17 | <0.67 | <2.05 | 5.02 |
| G-17-W | 06/20/17 | <0.17 | <0.2 | <0.82 | <2.17 | <0.67 | <2.05 | <1.95 |
| G-18-W | 06/20/17 | 3500 | 4800 | <41 | 660 | 22300 | 4560 | 19600 |
| G-19-W | 06/20/17 | 3200 | 4400 | <164 | 580 | 25500 | 3570 | 19100 |
| G-20-W | 06/20/17 | 3700 | 4800 | <410 | <1085 | 37000 | 3590 | 21900 |
| ENFORCEMENT STANDARD ES = Bold | | | | | | | | |
| <i>PREVENTIVE ACTION LIMIT PAL = Italics</i> | | | | | | | | |
| | | 5 | 700 | 60 | 100 | 800 | 480 | 2000 |
| | | 0.5 | 140 | 12 | 10 | 160 | 96 | 400 |

NS = Not Sampled

(ppb) = parts per billion

DRO = Diesel Range Organics

GRO = Gasoline Range Organics

(ppm) = parts per million

A.1 Groundwater Analytical Table
A to Z Sales & Service – LGU BRRTS #03-59-190963

Well MW-4

PVC Elevation = 1078.08 (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) | Naphthalene (ppb) | Toluene (ppb) | Trimethyl-benzenes (ppb) | Xylene (Total) (ppb) |
|----------------------------------------------|-------------------------------|------------------------------------------|------------|---------------|---------------------|------------|-------------------|---------------|--------------------------|----------------------|
| 01/30/18 | 1065.12 | 12.96 | <0.9 | <0.22 | <0.26 | <0.28 | <2.1 | <0.19 | <1.43 | <0.72 |
| 05/01/18 | 1066.23 | 11.85 | 1.6 | <0.22 | <0.26 | <0.28 | <2.1 | <0.19 | <1.43 | <0.72 |
| 08/27/19 | 1066.66 | 11.42 | <1.1 | <0.22 | <0.26 | <0.28 | <2.1 | <0.19 | <1.43 | <0.72 |
| 11/19/19 | 1066.65 | 11.43 | <1.1 | <0.22 | <0.26 | <0.28 | <2.1 | <0.19 | <1.43 | <0.72 |
| 02/11/20 | 1066.22 | 11.86 | <2.2 | <0.48 | <0.55 | <0.71 | <0.82 | <0.62 | <1.37 | <2.04 |
| ENFORCEMENT STANDARD ES = Bold | | | 15 | 5 | 700 | 60 | 100 | 800 | 480 | 2000 |
| PREVENTIVE ACTION LIMIT PAL = Italics | | | <i>1.5</i> | <i>0.5</i> | <i>140</i> | <i>12</i> | <i>10</i> | <i>160</i> | <i>96</i> | <i>400</i> |

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

Well MW-5

PVC Elevation = 1075.64 (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) | Naphthalene (ppb) | Toluene (ppb) | Trimethyl-benzenes (ppb) | Xylene (Total) (ppb) |
|----------------------------------------------|-------------------------------|------------------------------------------|------------|---------------|---------------------|----------------|-------------------|---------------|--------------------------|----------------------|
| 01/30/18 | 1065.06 | 10.58 | 1.3 | <0.22 | <0.26 | <0.28 | <2.1 | <0.19 | <1.43 | <0.72 |
| 05/01/18 | 1065.99 | 9.65 | <0.9 | <0.22 | <0.26 | <0.28 | <2.1 | <0.19 | <1.43 | <0.72 |
| 08/27/19 | 1066.42 | 9.22 | <1.1 | 370 | 530 | <5.6 | 115 | 1550 | 525 | 1480 |
| 11/19/19 | 1066.50 | 9.14 | <1.1 | 14.1 | 0.54 | <0.24 | <1.3 | 0.6 | 0.74-1.41 | 2.26 |
| 02/11/20 | 1066.07 | 9.57 | <2.2 | 0.76 | 0.87 | <0.71 | <0.82 | <0.62 | 1.55-2.21 | 1.68-2.37 |
| ENFORCEMENT STANDARD ES = Bold | | | 15 | 5 | 700 | 60 | 100 | 800 | 480 | 2000 |
| PREVENTIVE ACTION LIMIT PAL = Italics | | | <i>1.5</i> | <i>0.5</i> | <i>140</i> | <i>12</i> | <i>10</i> | <i>160</i> | <i>96</i> | <i>400</i> |

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

Well MW-6

PVC Elevation = 1078.23 (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) | Naphthalene (ppb) | Toluene (ppb) | Trimethyl-benzenes (ppb) | Xylene (Total) (ppb) |
|----------------------------------------------|-------------------------------|------------------------------------------|------------|---------------|---------------------|------------|-------------------|---------------|--------------------------|----------------------|
| 01/30/18 | 1064.54 | 13.69 | <0.9 | 770 | 1240 | <14 | 258 | 1730 | 779 | 3690 |
| 05/01/18 | 1065.45 | 12.78 | <0.9 | 224 | 370 | <2.8 | 40 | 194 | 182 | 884 |
| 08/27/19 | 1065.99 | 12.24 | <1.1 | 630 | 1710 | <5.6 | 292 | 6200 | 1710 | 7840 |
| 11/19/19 | 1066.12 | 12.11 | <1.1 | 760 | 1540 | <12 | 266 | 3800 | 1249 | 5990 |
| 02/11/20 | 1065.58 | 12.65 | <2.2 | 1340 | 1480 | <35.5 | 207 | 4600 | 978 | 5320 |
| ENFORCEMENT STANDARD ES = Bold | | | 15 | 5 | 700 | 60 | 100 | 800 | 480 | 2000 |
| PREVENTIVE ACTION LIMIT PAL = Italics | | | <i>1.5</i> | <i>0.5</i> | <i>140</i> | <i>12</i> | <i>10</i> | <i>160</i> | <i>96</i> | <i>400</i> |

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

A.1 Groundwater Analytical Table
A to Z Sales & Service – LGU BRRTS #03-59-190963

Well MW-7

PVC Elevation = 1080.29 (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) | Naphthalene (ppb) | Toluene (ppb) | Trimethyl-benzenes (ppb) | Xylene (Total) (ppb) |
|-----------------------------------------------------|-------------------------------|------------------------------------------|------------|---------------|---------------------|------------|-------------------|---------------|--------------------------|----------------------|
| 08/27/19 | 1065.61 | 14.68 | <1.1 | 0.88 | <0.26 | <0.28 | <2.1 | <0.19 | <1.43 | 2.39-2.82 |
| 11/19/19 | 1065.73 | 14.56 | <1.1 | 0.49 | <0.29 | <0.24 | <1.3 | <0.29 | <1.13 | <1.22 |
| 02/11/20 | 1065.14 | 15.15 | <2.2 | <0.48 | <0.55 | <0.71 | <0.82 | <0.62 | <1.37 | <2.04 |
| ENFORCEMENT STANDARD ES = Bold | | | 15 | 5 | 700 | 60 | 100 | 800 | 480 | 2000 |
| PREVENTIVE ACTION LIMIT PAL = <i>italics</i> | | | <i>1.5</i> | <i>0.5</i> | <i>140</i> | <i>12</i> | <i>10</i> | <i>160</i> | <i>96</i> | <i>400</i> |

(ppb) = parts per billion (ppm) = parts per million

ns = not sampled nm = not measured

Note: Elevations are presented in feet mean sea level (msl).

A.1 Groundwater Analytical Table
(PAH)
A to Z Sales & Service – LGU BRRTS #03-59-190963

Well MW-1

| Date | Ace-naphthene (ppb) | Acenaphthylene (ppb) | Anthracene (ppb) | Benzo(a)anthracene (ppb) | Benzo(a)pyrene (ppb) | Benzo(b)fluoranthene (ppb) | Benzo(g,h,i)Perylene (ppb) | Benzo(k)fluoranthene (ppb) | Chrysene (ppb) | Dibenzo(a,h)anthracene (ppb) | Fluoranthene (ppb) | Fluorene (ppb) | Indeno(1,2,3-cd)pyrene (ppb) | 1-Methylnaphthalene (ppb) | 2-Methylnaphthalene (ppb) | Naphthalene (ppb) | Phenanthrene (ppb) | Pyrene (ppb) |
|--------------------------------------------------------------|---------------------|----------------------|------------------|--------------------------|----------------------|----------------------------|----------------------------|----------------------------|----------------|------------------------------|--------------------|----------------|------------------------------|---------------------------|---------------------------|-------------------|--------------------|--------------|
| 1/30/2018 | <1.60 | <1.80 | <1.80 | <3.40 | <3.40 | <4.00 | <2.20 | <2.80 | <3.80 | <2.00 | <6.20 | <2.20 | <2.40 | 95.0 | 134 | 540 | <5.00 | <6.00 |
| ENFORCEMENT STANDARD = ES - Bold | | | | | | | | | | | | | | | | | | |
| (ppb) = parts per billion | | | | | | | | | | | | | | | | | | |
| (ppm) = parts per million | | | | | | | | | | | | | | | | | | |
| ns = not sampled | | | | | | | | | | | | | | | | | | |
| ni = not measured | | | | | | | | | | | | | | | | | | |
| Note: Elevations are presented in feet mean sea level (msl). | | | | | | | | | | | | | | | | | | |

Well MW-2

| Date | Ace-naphthene (ppb) | Acenaphthylene (ppb) | Anthracene (ppb) | Benzo(a)anthracene (ppb) | Benzo(a)pyrene (ppb) | Benzo(b)fluoranthene (ppb) | Benzo(g,h,i)Perylene (ppb) | Benzo(k)fluoranthene (ppb) | Chrysene (ppb) | Dibenzo(a,h)anthracene (ppb) | Fluoranthene (ppb) | Fluorene (ppb) | Indeno(1,2,3-cd)pyrene (ppb) | 1-Methylnaphthalene (ppb) | 2-Methylnaphthalene (ppb) | Naphthalene (ppb) | Phenanthrene (ppb) | Pyrene (ppb) |
|--------------------------------------------------------------|---------------------|----------------------|------------------|--------------------------|----------------------|----------------------------|----------------------------|----------------------------|----------------|------------------------------|--------------------|----------------|------------------------------|---------------------------|---------------------------|-------------------|--------------------|--------------|
| 1/30/2018 | 0.82 | <0.45 | 0.56 | <0.85 | <0.85 | <1.00 | <0.55 | <0.70 | <0.95 | <0.50 | <1.55 | <0.55 | <0.60 | 49.0 | 87.0 | 230 | 1.37 | <1.50 |
| ENFORCEMENT STANDARD = ES - Bold | | | | | | | | | | | | | | | | | | |
| (ppb) = parts per billion | | | | | | | | | | | | | | | | | | |
| (ppm) = parts per million | | | | | | | | | | | | | | | | | | |
| ns = not sampled | | | | | | | | | | | | | | | | | | |
| ni = not measured | | | | | | | | | | | | | | | | | | |
| Note: Elevations are presented in feet mean sea level (msl). | | | | | | | | | | | | | | | | | | |

Well MW-3

| Date | Ace-naphthene (ppb) | Acenaphthylene (ppb) | Anthracene (ppb) | Benzo(a)anthracene (ppb) | Benzo(a)pyrene (ppb) | Benzo(b)fluoranthene (ppb) | Benzo(g,h,i)Perylene (ppb) | Benzo(k)fluoranthene (ppb) | Chrysene (ppb) | Dibenzo(a,h)anthracene (ppb) | Fluoranthene (ppb) | Fluorene (ppb) | Indeno(1,2,3-cd)pyrene (ppb) | 1-Methylnaphthalene (ppb) | 2-Methylnaphthalene (ppb) | Naphthalene (ppb) | Phenanthrene (ppb) | Pyrene (ppb) |
|--------------------------------------------------------------|---------------------|----------------------|------------------|--------------------------|----------------------|----------------------------|----------------------------|----------------------------|----------------|------------------------------|--------------------|----------------|------------------------------|---------------------------|---------------------------|-------------------|--------------------|--------------|
| 1/30/2018 | <0.008 | <0.009 | <0.009 | <0.017 | <0.017 | <0.02 | <0.011 | <0.014 | <0.019 | <0.01 | <0.031 | <0.011 | <0.012 | <0.012 | <0.013 | 0.0254 | <0.025 | <0.03 |
| ENFORCEMENT STANDARD = ES - Bold | | | | | | | | | | | | | | | | | | |
| (ppb) = parts per billion | | | | | | | | | | | | | | | | | | |
| (ppm) = parts per million | | | | | | | | | | | | | | | | | | |
| ns = not sampled | | | | | | | | | | | | | | | | | | |
| ni = not measured | | | | | | | | | | | | | | | | | | |
| Note: Elevations are presented in feet mean sea level (msl). | | | | | | | | | | | | | | | | | | |

A.1 Groundwater Analytical Table
(PAH)
A to Z Sales & Service – LGU BRRTS #03-59-190963

Well MW-4

| Date | Ace-naphthene (ppb) | Acenaphthylene (ppb) | Anthracene (ppb) | Benzo(a)anthracene (ppb) | Benzo(a)pyrene (ppb) | Benzo(b)fluoranthene (ppb) | Benzo(g,h,i)perylene (ppb) | Benzo(k)fluoranthene (ppb) | Chrysene (ppb) | Dibenzo(a,h)anthracene (ppb) | Fluoranthene (ppb) | Fluorene (ppb) | Indeno(1,2,3-cd)pyrene (ppb) | 1-Methylnaphthalene (ppb) | 2-Methylnaphthalene (ppb) | Naphthalene (ppb) | Phenanthrene (ppb) | Pyrene (ppb) |
|--------------------------------------------------------------|---------------------|----------------------|------------------|--------------------------|----------------------|----------------------------|----------------------------|----------------------------|----------------|------------------------------|--------------------|----------------|------------------------------|---------------------------|---------------------------|-------------------|--------------------|--------------|
| 1/30/2018 | <0.008 | <0.009 | <0.009 | <0.017 | <0.017 | <0.02 | <0.011 | <0.014 | <0.019 | <0.01 | <0.031 | <0.011 | <0.012 | <0.012 | <0.013 | <0.023 | <0.025 | <0.03 |
| ENFORCEMENT STANDARD = ES - Bold | | | | | | | | | | | | | | | | | | |
| PREVENTIVE ACTION LIMIT = PAL - Italics | | | | | | | | | | | | | | | | | | |
| (ppb) = parts per billion | | | | | | | | | | | | | | | | | | |
| (ppm) = parts per million | | | | | | | | | | | | | | | | | | |
| ns = not sampled | | | | | | | | | | | | | | | | | | |
| nm = not measured | | | | | | | | | | | | | | | | | | |
| Note: Elevations are presented in feet mean sea level (msl). | | | | | | | | | | | | | | | | | | |

Well MW-5

| Date | Ace-naphthene (ppb) | Acenaphthylene (ppb) | Anthracene (ppb) | Benzo(a)anthracene (ppb) | Benzo(a)pyrene (ppb) | Benzo(b)fluoranthene (ppb) | Benzo(g,h,i)perylene (ppb) | Benzo(k)fluoranthene (ppb) | Chrysene (ppb) | Dibenzo(a,h)anthracene (ppb) | Fluoranthene (ppb) | Fluorene (ppb) | Indeno(1,2,3-cd)pyrene (ppb) | 1-Methylnaphthalene (ppb) | 2-Methylnaphthalene (ppb) | Naphthalene (ppb) | Phenanthrene (ppb) | Pyrene (ppb) |
|--------------------------------------------------------------|---------------------|----------------------|------------------|--------------------------|----------------------|----------------------------|----------------------------|----------------------------|----------------|------------------------------|--------------------|----------------|------------------------------|---------------------------|---------------------------|-------------------|--------------------|--------------|
| 1/30/2018 | <0.008 | <0.009 | <0.009 | <0.017 | <0.017 | <0.02 | <0.011 | <0.014 | <0.019 | <0.01 | <0.031 | <0.011 | <0.012 | <0.012 | <0.013 | 0.0313 | <0.025 | <0.03 |
| ENFORCEMENT STANDARD = ES - Bold | | | | | | | | | | | | | | | | | | |
| PREVENTIVE ACTION LIMIT = PAL - Italics | | | | | | | | | | | | | | | | | | |
| (ppb) = parts per billion | | | | | | | | | | | | | | | | | | |
| (ppm) = parts per million | | | | | | | | | | | | | | | | | | |
| ns = not sampled | | | | | | | | | | | | | | | | | | |
| nm = not measured | | | | | | | | | | | | | | | | | | |
| Note: Elevations are presented in feet mean sea level (msl). | | | | | | | | | | | | | | | | | | |

Well MW-6

| Date | Ace-naphthene (ppb) | Acenaphthylene (ppb) | Anthracene (ppb) | Benzo(a)anthracene (ppb) | Benzo(a)pyrene (ppb) | Benzo(b)fluoranthene (ppb) | Benzo(g,h,i)perylene (ppb) | Benzo(k)fluoranthene (ppb) | Chrysene (ppb) | Dibenzo(a,h)anthracene (ppb) | Fluoranthene (ppb) | Fluorene (ppb) | Indeno(1,2,3-cd)pyrene (ppb) | 1-Methylnaphthalene (ppb) | 2-Methylnaphthalene (ppb) | Naphthalene (ppb) | Phenanthrene (ppb) | Pyrene (ppb) |
|--------------------------------------------------------------|---------------------|----------------------|------------------|--------------------------|----------------------|----------------------------|----------------------------|----------------------------|----------------|------------------------------|--------------------|----------------|------------------------------|---------------------------|---------------------------|-------------------|--------------------|--------------|
| 1/30/2018 | <0.20 | <0.225 | 0.225 | <0.425 | <0.425 | <0.50 | <0.275 | <0.35 | <0.475 | <0.25 | <0.775 | <0.275 | <0.30 | 13.4 | 10.7 | 98.0 | <0.625 | <0.75 |
| ENFORCEMENT STANDARD = ES - Bold | | | | | | | | | | | | | | | | | | |
| PREVENTIVE ACTION LIMIT = PAL - Italics | | | | | | | | | | | | | | | | | | |
| (ppb) = parts per billion | | | | | | | | | | | | | | | | | | |
| (ppm) = parts per million | | | | | | | | | | | | | | | | | | |
| ns = not sampled | | | | | | | | | | | | | | | | | | |
| nm = not measured | | | | | | | | | | | | | | | | | | |
| Note: Elevations are presented in feet mean sea level (msl). | | | | | | | | | | | | | | | | | | |

A.1 Groundwater Analytical Table
A to Z Sales & Service – LGU BRRTS #03-59-190963

Well Sampling Conducted on:

01/30/18 01/30/18 01/30/18 01/30/18 01/30/18 01/30/18 01/30/18 08/27/19

| VOC's Well Name | MW-1 | MW-2 | MW-3 | MW-4 | MW-5 | MW-6 | MW-7 | ENFORCEMENT STANDARD = ES - Bold PREVENTIVE ACTION LIMIT = PAL - <i>Italics</i> |
|------------------------------------|----------|----------|----------|----------|----------|----------|----------|------------------------------------------------------------------------------------------|
| | 01/30/18 | 01/30/18 | 01/30/18 | 01/30/18 | 01/30/18 | 01/30/18 | 08/27/19 | |
| Lead, dissolved/ppb | 9.9 | 5.2 | < 0.9 | < 0.9 | 1.3 | < 0.9 | < 1.1 | 15 |
| Benzene/ppb | 4900 | 810 | < 0.22 | < 0.22 | < 0.22 | < 0.22 | 0.88 | 5 |
| Bromobenzene/ppb | < 88 | < 22 | < 0.44 | < 0.44 | < 0.44 | < 0.44 | < 0.44 | == |
| Bromodichloromethane/ppb | < 66 | < 16.5 | < 0.33 | < 0.33 | < 0.33 | < 16.5 | < 0.33 | 0.6 |
| Bromoform/ppb | < 90 | < 22.5 | < 0.45 | < 0.45 | < 0.45 | < 22.5 | < 0.45 | 4.4 |
| tert-Butylbenzene/ppb | < 50 | < 12.5 | < 0.25 | < 0.25 | < 0.25 | < 12.5 | < 0.25 | == |
| sec-Butylbenzene/ppb | < 158 | < 39.5 | < 0.79 | < 0.79 | < 0.79 | < 39.5 | < 0.79 | == |
| n-Butylbenzene/ppb | < 142 | 46 "J" | < 0.71 | < 0.71 | < 0.71 | < 35.5 | < 0.71 | == |
| Carbon Tetrachloride/ppb | < 62 | < 15.5 | < 0.31 | < 0.31 | < 0.31 | < 15.5 | < 0.31 | 5 |
| Chlorobenzene/ppb | < 52 | < 13 | < 0.26 | < 0.26 | < 0.26 | < 13 | < 0.26 | == |
| Chloroethane/ppb | < 122 | < 30.5 | < 0.61 | < 0.61 | < 0.61 | < 30.5 | < 0.61 | 400 |
| Chloroform/ppb | < 52 | < 13 | < 0.26 | < 0.26 | < 0.26 | < 13 | < 0.26 | 6 |
| Chloromethane/ppb | < 108 | < 27 | < 0.54 | < 0.54 | < 0.54 | < 27 | < 0.54 | 30 |
| 2-Chlorotoluene/ppb | < 62 | < 15.5 | < 0.31 | < 0.31 | < 0.31 | < 15.5 | < 0.31 | == |
| 4-Chlorotoluene/ppb | < 52 | < 13 | < 0.26 | < 0.26 | < 0.26 | < 13 | < 0.26 | == |
| 1,2-Dibromo-3-chloropropane/ppb | < 592 | < 148 | < 2.96 | < 2.96 | < 2.96 | < 148 | < 2.96 | 0.2 |
| Dibromochloromethane/ppb | < 44 | < 11 | < 0.22 | < 0.22 | < 0.22 | < 11 | < 0.22 | 60 |
| 1,4-Dichlorobenzene/ppb | < 140 | < 35 | < 0.7 | < 0.7 | < 0.7 | < 35 | < 0.7 | 75 |
| 1,3-Dichlorobenzene/ppb | < 170 | < 42.5 | < 0.85 | < 0.85 | < 0.85 | < 42.5 | < 0.85 | 600 |
| 1,2-Dichlorobenzene/ppb | < 172 | < 43 | < 0.86 | < 0.86 | < 0.86 | < 43 | < 0.86 | 600 |
| Dichlorodifluoromethane/ppb | < 64 | < 16 | < 0.32 | < 0.32 | < 0.32 | < 16 | < 0.32 | 1000 |
| 1,2-Dichloroethane/ppb | < 50 | < 12.5 | < 0.25 | < 0.25 | < 0.25 | < 12.5 | < 0.25 | 5 |
| 1,1-Dichloroethane/ppb | < 72 | < 18 | < 0.36 | < 0.36 | < 0.36 | < 18 | < 0.36 | 850 |
| 1,1-Dichloroethene/ppb | < 84 | < 21 | < 0.42 | < 0.42 | < 0.42 | < 21 | < 0.42 | 7 |
| cis-1,2-Dichloroethene/ppb | < 74 | < 18.5 | < 0.37 | < 0.37 | < 0.37 | < 18.5 | < 0.37 | 70 |
| trans-1,2-Dichloroethene/ppb | < 68 | < 17 | < 0.34 | < 0.34 | < 0.34 | < 17 | < 0.34 | 100 |
| 1,2-Dichloropropane/ppb | < 88 | < 22 | < 0.44 | < 0.44 | < 0.44 | < 22 | < 0.44 | 5 |
| 1,3-Dichloropropane/ppb | < 60 | < 15 | < 0.3 | < 0.3 | < 0.3 | < 15 | < 0.3 | == |
| trans-1,3-Dichloropropene/ppm | < 64 | < 16 | < 0.32 | < 0.32 | < 0.32 | < 16 | < 0.32 | 0.4 |
| cis-1,3-Dichloropropene/ppm | < 52 | < 13 | < 0.26 | < 0.26 | < 0.26 | < 13 | < 0.26 | == |
| Di-isopropyl ether/ppb | < 42 | < 10.5 | < 0.21 | < 0.21 | < 0.21 | < 10.5 | < 0.21 | == |
| EDB (1,2-Dibromoethane)/ppb | < 68 | < 17 | < 0.34 | < 0.34 | < 0.34 | < 17 | < 0.34 | 0.05 |
| Ethylbenzene/ppb | 4100 | 1710 | < 0.26 | < 0.26 | < 0.26 | 1240 | < 0.26 | 700 |
| Hexachlorobutadiene/ppb | < 268 | < 67 | < 1.34 | < 1.34 | < 1.34 | < 67 | < 1.34 | == |
| Isopropylbenzene/ppb | < 156 | 72 "J" | < 0.78 | < 0.78 | < 0.78 | 44 "J" | < 0.78 | == |
| p-Isopropyltoluene/ppb | < 48 | < 12 | < 0.24 | < 0.24 | < 0.24 | < 12 | < 0.24 | == |
| Methylene chloride/ppb | < 264 | < 66 | < 1.32 | < 1.32 | < 1.32 | < 66 | < 1.32 | 5 |
| Methyl tert-butyl ether (MTBE)/ppb | < 56 | < 14 | < 0.28 | < 0.28 | < 0.28 | < 14 | < 0.28 | 60 |
| Naphthalene/ppb | 880 "J" | 305 "J" | < 2.1 | < 2.1 | < 2.1 | 258 "J" | < 2.1 | 100 |
| n-Propylbenzene/ppb | 330 "J" | 236 | < 0.61 | < 0.61 | < 0.61 | 124 | < 0.61 | == |
| 1,1,2,2-Tetrachloroethane/ppb | < 60 | < 15 | < 0.3 | < 0.3 | < 0.3 | < 15 | < 0.3 | 0.2 |
| 1,1,1,2-Tetrachloroethane/ppb | < 70 | < 17.5 | < 0.35 | < 0.35 | < 0.35 | < 17.5 | < 0.35 | 70 |
| Tetrachloroethene (PCE)/ppb | < 76 | < 19 | < 0.38 | < 0.38 | < 0.38 | < 19 | < 0.38 | 5 |
| Toluene/ppb | 30600 | 4400 | < 0.19 | < 0.19 | < 0.19 | 1730 | < 0.19 | 800 |
| 1,2,4-Trichlorobenzene/ppb | < 230 | < 57.5 | < 1.15 | < 1.15 | < 1.15 | < 57.5 | < 1.15 | 70 |
| 1,2,3-Trichlorobenzene/ppb | < 342 | < 85.5 | < 1.71 | < 1.71 | < 1.71 | < 85.5 | < 1.71 | == |
| 1,1,1-Trichloroethane/ppb | < 66 | < 16.5 | < 0.33 | < 0.33 | < 0.33 | < 16.5 | < 0.33 | 200 |
| 1,1,2-Trichloroethane/ppb | < 84 | < 21 | < 0.42 | < 0.42 | < 0.42 | < 21 | < 0.42 | 5 |
| Trichloroethene (TCE)/ppb | < 60 | < 15 | < 0.3 | < 0.3 | < 0.3 | < 15 | < 0.3 | 5 |
| Trichlorofluoromethane/ppb | < 70 | < 17.5 | < 0.35 | < 0.35 | < 0.35 | < 17.5 | < 0.35 | == |
| 1,2,4-Trimethylbenzene/ppb | 2530 | 1880 | < 0.8 | < 0.8 | < 0.8 | 590 | < 0.8 | Total TMB's 480 |
| 1,3,5-Trimethylbenzene/ppb | 620 | 520 | < 0.63 | < 0.63 | < 0.63 | 189 | < 0.63 | Total TMB's 96 |
| Vinyl Chloride/ppb | < 40 | < 10 | < 0.2 | < 0.2 | < 0.2 | < 10 | < 0.2 | 0.2 |
| m&p-Xylene/ppb | 13200 | 5700 | < 0.43 | < 0.43 | < 0.43 | 2550 | < 0.43 | Total Xylenes 2000 |
| o-Xylene/ppb | 5800 | 2150 | < 0.29 | < 0.29 | < 0.29 | 1140 | < 0.29 | Total Xylenes 400 |

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.2 Soil Analytical Results Table
A to Z Sales & Service – LGU BRRTS #03-59-190963

| Sample ID | Depth (feet) | Saturation U/S | Date | PID | Lead (ppm) | GRO (ppm) | DIRECT CONTACT (PVOC & PAH) | | | | | | | | | | Exceedance Count | Hazard Index | Cumulative Cancer Risk |
|-----------------------------------------------|--------------|----------------|----------|--------|--------------|-----------|-----------------------------|---------------------|--------------|-------------------|---------------|-------------------------------|-------------------------------|----------------------|-------------------|----------|------------------|--------------|------------------------|
| | | | | | | | Benzene (ppm) | Ethyl Benzene (ppm) | MTBE (ppm) | Naphthalene (ppm) | Toluene (ppm) | 1,2,4-Trime-thylbenzene (ppm) | 1,3,5-Trime-thylbenzene (ppm) | Xylene (Total) (ppm) | Other VOC's (ppb) | | | | |
| B-1-2 | 2-3 | U | 04/29/02 | 0.00 | 3.37 | NS | <0.025 | <0.025 | <0.025 | NS | <0.025 | <0.025 | <0.025 | <0.025 | NS | 0 | 0.0004 | 1.9E-08 | |
| B-2-2 | 2-3 | U | 04/29/02 | 0.00 | 4.21 | NS | <0.025 | <0.025 | <0.025 | NS | <0.025 | <0.025 | <0.025 | <0.025 | NS | 0 | 0.0004 | 1.9E-08 | |
| B-3-2 | 2-3 | U | 04/29/02 | 0.00 | 6.89 | NS | <0.025 | 0.0299 | <0.025 | NS | <0.025 | 0.106 | 0.0355 | 0.146 | NS | 0 | 0.0004 | 1.9E-08 | |
| G-1-1 | 3.5 | U | 06/19/17 | 3.1 | 2.57 | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | 0 | 0.0006 | 2.4E-08 | |
| G-1-2 | 8 | U | 06/19/17 | 16.3 | NS | NS | <0.025 | 0.088 | <0.025 | <0.025 | <0.025 | 0.299 | 0.111 | 0.539 | NS | | | | |
| G-1-3 | 11.5 | U | 06/19/17 | 257.0 | NS | NS | 0.099 | 0.93 | <0.025 | 0.77 | 0.216 | 3.3 | 1.14 | 5.02 | NS | | | | |
| G-2-1 | 3.5 | U | 06/19/17 | 35.4 | 3.21 | NS | 1.34 | 8.9 | <0.25 | 22 | 2.41 | 64 | 28.5 | 46.8 | NS | 2 | 0.4517 | 5.9E-06 | |
| G-2-2 | 7 | U | 06/19/17 | 2179.0 | NS | NS | <0.3 | 7.5 | <0.5 | 5.4 | 5.0 | 34 | 9.9 | 43.5 | SEE VOC SHEET | | | | |
| G-2-3 | 10 | U | 06/19/17 | 1143.0 | NS | NS | 0.043 | 1.27 | <0.025 | 1.37 | 0.69 | 6.4 | 2.09 | 7.43 | NS | | | | |
| G-3-1 | 3.5 | U | 06/19/17 | 2.4 | 15.8 | NS | <0.025 | 0.050 | <0.025 | 0.0172 | 0.065 | 0.121 | 0.041 | 0.225 | NS | 0 | 0.0007 | 9.4E-09 | |
| G-3-2 | 4-8 | U | 06/19/17 | 1.9 | | | NOT SAMPLED | | | | | | | | | | NS | | |
| G-3-3 | 10 | U | 06/19/17 | 2.4 | NS | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | 0.040 | <0.025 | 0.050-0.075 | NS | | | | |
| G-3-4 | 13 | U | 06/19/17 | 1.9 | NS | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | | | | |
| G-4-1 | 3.5 | U | 06/19/17 | 4.3 | 121 | NS | <0.025 | <0.025 | <0.025 | <0.0153 | <0.025 | <0.025 | <0.025 | <0.075 | NS | 1 | 0.3134 | 2.7E-06 | |
| G-4-2 | 7 | U | 06/19/17 | 4.4 | | | NOT SAMPLED | | | | | | | | | | NS | | |
| G-4-3 | 9 | U | 06/19/17 | 3.4 | NS | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | | | | |
| G-4-4 | 13 | U | 06/19/17 | 3.5 | NS | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | | | | |
| G-5-1 | 3.5 | U | 06/19/17 | 1.9 | 4.39 | NS | <0.025 | <0.025 | <0.025 | <0.0153 | <0.025 | <0.025 | <0.025 | <0.075 | NS | 0 | 0.0013 | 2.2E-07 | |
| G-5-2 | 7 | U | 06/19/17 | 2.5 | | | NOT SAMPLED | | | | | | | | | | NS | | |
| G-5-3 | 9 | U | 06/19/17 | 4.1 | NS | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | | | | |
| G-5-4 | 13 | U | 06/19/17 | 2.4 | NS | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | | | | |
| G-6-1 | 3.5 | U | 06/19/17 | 4.9 | 31.4 | NS | <0.025 | <0.025 | <0.025 | <0.0153 | <0.025 | <0.025 | <0.025 | <0.075 | NS | 0 | 0.0013 | 2.2E-07 | |
| G-6-2 | 7 | U | 06/19/17 | 6.8 | | | NOT SAMPLED | | | | | | | | | | NS | | |
| G-6-3 | 11 | U | 06/19/17 | 7.2 | NS | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | | | | |
| G-7-1 | 3.5 | U | 06/19/17 | 4.3 | 1.67 | NS | <0.025 | <0.025 | <0.025 | <0.0153 | <0.025 | <0.025 | <0.025 | <0.075 | NS | 0 | 0.0013 | 2.2E-07 | |
| G-7-2 | 7 | U | 06/19/17 | 4.0 | | | NOT SAMPLED | | | | | | | | | | NS | | |
| G-7-3 | 8 | U | 06/19/17 | 3.9 | NS | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | | | | |
| G-7-4 | 13 | U | 06/19/17 | 3.7 | NS | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | | | | |
| G-8-1 | 3.5 | U | 06/19/17 | 4.1 | 4.24 | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | 0 | 0.0013 | 2.2E-07 | |
| G-8-2 | 7 | U | 06/19/17 | 4.8 | NS | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | | | | |
| G-8-3 | 10 | U | 06/19/17 | 7.9 | NS | NS | <0.025 | <0.025 | <0.025 | <0.025 | 0.0255 | 0.038 | <0.025 | 0.063-0.088 | NS | | | | |
| G-9-1 | 3.5 | U | 06/19/17 | 3.0 | 3.95 | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | 0 | 0.0006 | 2.4E-08 | |
| G-9-2 | 7 | U | 06/19/17 | 2.5 | NS | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | | | | |
| G-9-3 | 10 | U | 06/19/17 | 24.1 | NS | NS | <0.025 | <0.025 | <0.025 | 0.106 | 0.033 | 0.133 | 0.042 | <0.276 | NS | | | | |
| G-10-1 | 3.5 | U | 06/19/17 | 4.4 | 4.12 | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | 0 | 0.0006 | 2.4E-08 | |
| G-10-2 | 7 | U | 06/19/17 | 3.0 | NS | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | | | | |
| G-10-3 | 10 | U | 06/19/17 | 4.7 | NS | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | | | | |
| G-11-1 | 3.5 | U | 06/19/17 | 16.7 | 34.60 | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | 0 | 0.0006 | 2.4E-08 | |
| G-11-2 | 7 | U | 06/19/17 | 1.9 | NS | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | | | | |
| G-11-3 | 10 | U | 06/19/17 | 933 | NS | NS | <0.025 | <0.025 | <0.025 | 0.060 | 0.0272 | 0.40 | 0.187 | 0.614 | NS | | | | |
| G-12-1 | 3.5 | U | 06/19/17 | 4.7 | 32.30 | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | 0 | 0.0006 | 2.4E-08 | |
| G-12-2 | 7 | U | 06/19/17 | 3.8 | NS | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | | | | |
| G-12-3 | 10 | U | 06/19/17 | 3.8 | NS | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | | | | |
| G-13-1 | 3.5 | U | 06/19/17 | 1.9 | 3.13 | NS | <0.025 | <0.025 | <0.025 | <0.0153 | <0.025 | <0.025 | <0.025 | <0.075 | NS | 0 | 0.0013 | 2.2E-07 | |
| G-13-2 | 6 | U | 06/19/17 | 2.0 | | | NOT SAMPLED | | | | | | | | | | NS | | |
| G-13-3 | 9 | U | 06/19/17 | 4.6 | NS | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | | | | |
| Groundwater RCL | | | | | 27 | - | 0.0051 | 1.57 | 0.027 | 0.6582 | 1.1072 | 1.3787 | | 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) | (260) | - | | 1.00E+00 | 1.00E-05 | |
| Soil Saturation Concentration (C-sat)* | | | | | - | - | 1820* | 480* | 8870* | - | 818* | 219* | 182* | 260* | - | | | | |

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
(ppm) = parts per million
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)

NM = Not Measured
ND = No Detects

A.2 Soil Analytical Results Table
A to Z Sales & Service – LGU BRRTS #03-59-190963

| Sample ID | Depth (feet) | Saturation U/S | Date | PID | Lead (ppm) | GRO (ppm) | DIRECT CONTACT (PVOC & PAH) | | | | | | | | | | Exceedance Count | Hazard Index | Cumulative Cancer Risk |
|-----------------------------------------------|--------------|----------------|----------|-----------------|--------------|-----------|-----------------------------|---------------|-----------------|-------------------|---------------|-------------------------------|-------------------------------|----------------------|-------------------|----------|------------------|--------------|------------------------|
| | | | | | | | Benzene (ppm) | Benzene (ppm) | MTBE (ppm) | Naphthalene (ppm) | Toluene (ppm) | 1,2,4-Trime-thylbenzene (ppm) | 1,3,5-Trime-thylbenzene (ppm) | Xylene (Total) (ppm) | Other VOC's (ppb) | | | | |
| G-13-4 | 13 | U | 06/19/17 | 3.1 | NS | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | NS | | | |
| G-14-1 | 3.5 | U | 06/19/17 | 5.6 | 0.00 | NS | <0.025 | <0.025 | <0.025 | <0.0153 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | 0 | 0.0013 | 2.2E-07 |
| G-14-2 | 7 | U | 06/19/17 | 4.8 | NOT SAMPLED | | | | | | | | | | NS | | | | |
| G-14-3 | 10 | U | 06/19/17 | 2.1 | NS | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | | | |
| G-14-4 | 14 | U | 06/19/17 | 3.5 | NS | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | | | |
| G-15-1 | 3.5 | U | 06/20/17 | 2.6 | 2.35 | NS | <0.025 | <0.025 | <0.025 | <0.0153 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | 0 | 0.0013 | 2.2E-07 |
| G-15-2 | 7 | U | 06/20/17 | 1.4 | NOT SAMPLED | | | | | | | | | | NS | | | | |
| G-15-3 | 9 | U | 06/20/17 | 2.2 | NS | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | | | |
| G-15-4 | 13 | U | 06/20/17 | 2.5 | NS | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | | | |
| G-16-1 | 3.5 | U | 06/20/17 | 3.4 | 1.76 | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | 0 | 0.0006 | 2.4E-08 |
| G-16-2 | 7 | U | 06/20/17 | 2.8 | NS | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | | | | |
| G-16-3 | 10 | U | 06/20/17 | 3.3 | NS | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | | | | |
| G-17-1 | 3.5 | U | 06/20/17 | 4.7 | 4.23 | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | 0 | 0.0006 | 2.4E-08 | |
| G-17-2 | 5 | U | 06/20/17 | 6.4 | NS | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | | | | |
| G-17-3 | 9.5 | U | 06/20/17 | 9.5 | NS | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | | | | |
| G-18-1 | 3.5 | U | 06/20/17 | 12.1 | 1.75 | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | 0 | 0.0006 | 2.4E-08 | |
| G-18-2 | 7 | U | 06/20/17 | 33 | NS | NS | <0.025 | 0.077 | <0.025 | <0.025 | 0.0256 | 0.172 | 0.064 | 0.363 | NS | | | | |
| G-18-3 | 10 | U | 06/20/17 | 46 | NS | NS | <0.025 | <0.025 | <0.025 | 0.063 | <0.025 | 0.107 | 0.035 | 0.146 | NS | | | | |
| G-19-1 | 3.5 | U | 06/20/17 | 410 | 2.69 | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | 0 | 0.0006 | 2.4E-08 | |
| G-19-2 | 6 | U | 06/20/17 | 88.0 | NS | NS | 4.3 | 8.8 | <0.25 | 21.2 | 1.46 | 21.2 | 8.8 | 22.9 | NS | | | | |
| G-19-3 | 10 | U | 06/20/17 | STOPPED WORKING | NS | NS | 0.029 | 0.128 | <0.025 | <0.025 | 0.034 | 0.243 | 0.087 | 0.609 | NS | | | | |
| G-20-1 | 3.5 | U | 06/20/17 | | 31.0 | NS | <0.025 | <0.025 | <0.025 | 0.072 | <0.025 | 0.146 | 0.14 | 0.105 | NS | 0 | 0.0013 | 1.3E-08 | |
| G-20-2 | 6 | U | 06/20/17 | | NS | NS | 0.36 | 7.4 | <0.25 | 16.6 | 2.28 | 83 | 29.4 | 62.9 | NS | | | | |
| G-20-3 | 10 | U | 06/20/17 | | NS | NS | <0.025 | 0.45 | <0.025 | 0.63 | 0.285 | 2.53 | 0.81 | 2.67 | NS | | | | |
| G-21-1 | 3.5 | U | 06/20/17 | | 3.19 | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | 0 | 0.0006 | 2.4E-08 | |
| G-21-2 | 6.0 | U | 06/20/17 | | NS | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | | | | |
| G-21-3 | 10.0 | U | 06/20/17 | NS | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | | | | | |
| Groundwater RCL | | | | | 27 | - | 0.0051 | 1.57 | 0.027 | 0.6582 | 1.1072 | 1.3787 | | 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) | (260) | - | 1.00E+00 | 1.00E-05 | | |
| Soil Saturation Concentration (C-sat)* | | | | | - | - | 1820* | 480* | 8870* | - | 818* | 219* | 182* | 260* | - | | | | |

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

ND = No Detects

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
A to Z Sales & Service – LGU BRRTS #03-59-190963

| Sample ID | Depth (feet) | Saturation U/S | Date | PID | Lead (ppm) | GRO (ppm) | Benzene (ppm) | Ethyl Benzene (ppm) | MTBE (ppm) | Naphthalene (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 & PAH) | | |
|----------------------------------------|--------------|----------------|----------|------|------------|--------------|---------------|---------------------|---------------|-------------------|---------------|-------------------------------|-------------------------------|----------------------|--------------------------------------|-----------------------------|--------------|------------------------|
| | | | | | | | | | | | | | | | | Exceedance Count | Hazard Index | Cumulative Cancer Risk |
| MW-3-1 | 3.5 | U | 10/23/17 | 1.5 | | | | | | | | | | | NS | 0 | | |
| MW-3-2 | 8 | U | 10/23/17 | 1.7 | | | | | | | | | | | NS | | | |
| MW-3-3 | 12 | U | 10/23/17 | 1.7 | | | | | | | | | | | NS | | | |
| MW-3-4 | 16 | S | 10/23/17 | 127 | | | | | | | | | | | NS | | | |
| MW-4-1 | 3.5 | U | 10/23/17 | 1.1 | | | | | | | | | | | NS | 0 | | |
| MW-4-2 | 8 | U | 10/23/17 | 0.8 | | | | | | | | | | | NS | | | |
| MW-4-3 | 12 | U | 10/23/17 | 2.0 | | | | | | | | | | | NS | | | |
| MW-4-4 | 16 | S | 10/23/17 | 1.4 | | | | | | | | | | | NS | | | |
| MW-5-1 | 3.5 | U | 10/23/17 | 1.5 | | | | | | | | | | | NS | 0 | | |
| MW-5-2 | 8 | U | 10/23/17 | 1.5 | | | | | | | | | | | NS | | | |
| MW-5-3 | 12 | S | 10/23/17 | 2.1 | | | | | | | | | | | NS | | | |
| MW-5-4 | 16 | S | 10/23/17 | 1.6 | | | | | | | | | | | NS | | | |
| MW-6-1 | 3.5 | U | 10/23/17 | 1.1 | | | | | | | | | | | NS | 0 | | |
| MW-6-2 | 8 | U | 10/23/17 | 1.4 | | | | | | | | | | | NS | | | |
| MW-6-3 | 12 | U | 10/23/17 | 1.6 | | | | | | | | | | | NS | | | |
| MW-6-4 | 16 | S | 10/23/17 | 2.0 | | | | | | | | | | | NS | | | |
| MW-6-5 | 20 | S | 10/23/17 | 1.8 | | | | | | | | | | | NS | | | |
| MW-1-1 | 3.5 | U | 10/24/17 | 1247 | NS | 4600 | (12.3) | (72) | <2.5 | (40) | 48 | (299)* | 118 | (359)* | NS | 5 | 1.932 | 2.4E-05 |
| MW-1-2 | 8 | U | 10/24/17 | 1199 | | | | | | | | | | | NS | | | |
| MW-1-3 | 12 | U | 10/24/17 | 3088 | NS | 12100 | 65 | 370 | <1.25 | 114 | 620 | 740* | 254* | 1670* | TCLP LEAD <0.1 TCLP BENZENE <0.05 | | | |
| MW-1-4 | 14-16 | | | | | | | | | | | | | | NS | | | |
| MW-2-1 | 3.5 | U | 10/24/17 | 2.2 | | | | | | | | | | | NS | 0 | | |
| MW-2-2 | 8 | U | 10/24/17 | 1.3 | | | | | | | | | | | NS | | | |
| MW-2-3 | 12 | U | 10/24/17 | 1.2 | | | | | | | | | | | NS | | | |
| MW-2-4 | 16 | S | 10/24/17 | 1954 | | | | | | | | | | | NS | | | |
| EX-1 | 3.0 | U | 06/24/19 | 0 | NS | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | 0 | | |
| EX-2 | 9.0 | U | 06/24/19 | 9.3 | NS | NS | <0.025 | 0.033 | <0.025 | 0.135 | <0.025 | 0.172 | 0.078 | 0.184 | NS | | | |
| EX-3 | 3.0 | U | 06/24/19 | 0 | NS | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | 0 | | |
| EX-4 | 9.0 | U | 06/24/19 | 0.5 | NS | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | | | |
| EX-5 | 3.0 | U | 06/24/19 | 0 | NS | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | 0 | | |
| EX-6 | 3.0 | U | 06/24/19 | 0 | NS | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | 0 | | |
| EX-7 | 9.0 | U | 06/24/19 | 800 | NS | NS | 0.79 | 15.8 | <0.25 | 7.7 | 13.4 | 50 | 16 | 81.3 | NS | | | |
| EX-8 | 16.0 | S | 06/24/19 | 50 | NS | NS | 0.68 | 0.65 | <0.025 | 0.12 | 5.3 | 0.46 | 0.125 | 3.05 | NS | | | |
| EX-9 | 9.0 | U | 06/24/19 | 88 | NS | NS | 1.03 | 12.4 | <0.025 | 7.7 | 6.0 | 45 | 15.1 | 60.9 | NS | | | |
| MW-7-1 | 3.5 | U | 07/30/19 | 0.3 | | | | | | | | | | | NS | 0 | | |
| MW-7-2 | 8.0 | U | 07/30/19 | 0.7 | | | | | | | | | | | NS | | | |
| MW-7-3 | 12.0 | U | 07/30/19 | 1.3 | | | | | | | | | | | NS | | | |
| MW-7-4 | 14.0 | U | 07/30/19 | 1.2 | NS | <10 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | | | |
| MW-7-5 | 20.0 | S | 07/30/19 | 4.1 | | | | | | | | | | | NS | | | |
| Groundwater RCL | | | | | | 27 | - | 0.0051 | 1.57 | 0.027 | 0.6582 | 1.1072 | 1.3787 | 3.96 | - | | | |
| Non-Industrial Direct Contact RCL | | | | | | 400 | - | 1.6 | 8.02 | 63.8 | 5.52 | 818 | 219 | 182 | 260 | - | | |
| Industrial Direct Contact RCL | | | | | | (800) | - | (7.07) | (35.4) | (282) | (24.1) | (818) | (219) | (182) | (260) | - | 1.00E+00 | 1.00E-05 |
| Soil Saturation Concentration (C-sat)* | | | | | | - | - | 1820* | 480* | 8870* | - | 818* | 219* | 182* | 260* | - | 1.00E+00 | 1.00E-05 |

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
(ppm) = parts per million
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
(PAH)

A to Z Sales & Service – LGU BRRTS #03-59-190963

| Sample | Depth (feet) | Saturation U/S | Date | Acenaph-thene (ppm) | Acenaph-thylene (ppm) | Anthracene (ppm) | Benzo(a)anthracene (ppm) | Benzo(a)pyrene (ppm) | Benzo(b)fluoranthene (ppm) | Benzo(g,h,i)perylene (ppm) | Benzo(k)fluoranthene (ppm) | Chrysene (ppm) | Dibenzo(a,h)anthracene (ppm) | Fluoranthene (ppm) | Fluorene (ppm) | Indeno(1,2,3-cd)pyrene (ppm) | 1-Methyl-naphthalene (ppm) | 2-Methyl-naphthalene (ppm) | Naphthalene (ppm) | Phenan-threne (ppm) | Pyrene (ppm) | DIRECT CONTACT (PVOC & PAH) | | | |
|-----------------------------------------------|--------------|----------------|----------|---------------------|-----------------------|------------------|--------------------------|----------------------|----------------------------|----------------------------|----------------------------|----------------|------------------------------|--------------------|----------------|------------------------------|----------------------------|----------------------------|-------------------|---------------------|----------------|-----------------------------|-----------------|------------------------|--|
| | | | | | | | | | | | | | | | | | | | | | | Exeedance Count | Hazard Index | Cumulative Cancer Risk | |
| G-3-1 | 3.5 | U | 06/19/17 | <0.0151 | <0.0159 | <0.0109 | <0.0116 | <0.0113 | <0.013 | <0.0114 | <0.0147 | <0.0121 | <0.0078 | <0.0147 | <0.0179 | <0.0114 | <0.0203 | 0.0247 | 0.0172 | <0.0111 | <0.0153 | 0 | 0.0007 | 9.4E-09 | |
| G-4-1 | 3.5 | U | 06/19/17 | <0.0151 | 0.047 | 0.059 | 0.169 | 0.19 | 0.254 | 0.95 | 0.083 | 0.175 | 0.059 | 0.179 | <0.0179 | 0.189 | <0.0203 | <0.0113 | <0.0153 | 0.039 | 0.194 | 1 | 0.3134 | 2.7E-06 | |
| G-5-1 | 3.5 | U | 06/19/17 | <0.0151 | <0.0159 | <0.0109 | <0.0116 | <0.0113 | <0.013 | <0.0114 | <0.0147 | <0.0121 | <0.0078 | <0.0147 | <0.0179 | <0.0114 | <0.0203 | <0.0113 | <0.0153 | <0.0111 | <0.0153 | 0 | 0.0013 | 2.2E-07 | |
| G-6-1 | 3.5 | U | 06/19/17 | <0.0151 | <0.0159 | <0.0109 | <0.0116 | <0.0113 | <0.013 | 0.0145 | <0.0147 | <0.0121 | <0.0078 | <0.0147 | <0.0179 | <0.0114 | <0.0203 | <0.0113 | <0.0153 | <0.0111 | <0.0153 | 0 | 0.0013 | 2.2E-07 | |
| G-7-1 | 3.5 | U | 06/19/17 | <0.0151 | <0.0159 | <0.0109 | <0.0116 | <0.0113 | <0.013 | <0.0114 | <0.0147 | <0.0121 | <0.0078 | <0.0147 | <0.0179 | <0.0114 | <0.0203 | <0.0113 | <0.0153 | <0.0111 | <0.0153 | 0 | | | |
| G-13-1 | 3.5 | U | 06/19/17 | <0.0151 | <0.0159 | <0.0109 | <0.0116 | <0.0113 | <0.013 | <0.0114 | <0.0147 | <0.0121 | <0.0078 | <0.0147 | <0.0179 | <0.0114 | <0.0203 | <0.0113 | <0.0153 | <0.0111 | <0.0153 | 0 | 0.0013 | 2.2E-07 | |
| G-14-1 | 3.5 | U | 06/19/17 | <0.0151 | <0.0159 | <0.0109 | <0.0116 | <0.0113 | <0.013 | <0.0114 | <0.0147 | <0.0121 | <0.0078 | <0.0147 | <0.0179 | <0.0114 | <0.0203 | <0.0113 | <0.0153 | <0.0111 | <0.0153 | 0 | 0.0013 | 2.2E-07 | |
| G-15-1 | 3.5 | U | 06/20/17 | <0.0151 | <0.0159 | <0.0109 | <0.0116 | <0.0113 | <0.013 | <0.0114 | <0.0147 | <0.0121 | <0.0078 | <0.0147 | <0.0179 | <0.0114 | <0.0203 | <0.0113 | <0.0153 | <0.0111 | <0.0153 | 0 | 0.0013 | 2.2E-07 | |
| EX-10 | 3.0 | U | 06/25/19 | <0.0163 | <0.0086 | <0.0043 | <0.016 | <0.0124 | <0.0109 | <0.0084 | <0.0091 | <0.006 | <0.0101 | <0.0054 | <0.0086 | <0.0082 | <0.0086 | <0.0147 | <0.0153 | <0.0071 | <0.0067 | 0 | | | |
| EX-11 | 3.0 | U | 06/25/19 | <0.0163 | <0.0086 | <0.0043 | <0.016 | <0.0124 | <0.0109 | <0.0084 | <0.0091 | <0.006 | <0.0101 | <0.0054 | <0.0086 | <0.0082 | <0.0086 | <0.0147 | <0.0153 | <0.0071 | <0.0067 | 0 | | | |
| EX-12 | 3.0 | U | 06/25/19 | <0.0163 | <0.0086 | <0.0043 | <0.016 | <0.0124 | <0.0109 | <0.0084 | <0.0091 | <0.006 | <0.0101 | <0.0054 | <0.0086 | <0.0082 | <0.0086 | <0.0147 | <0.0153 | <0.0071 | <0.0067 | 0 | | | |
| EX-13 | 3.0 | U | 06/25/19 | <0.0163 | <0.0086 | <0.0043 | <0.016 | <0.0124 | <0.0109 | <0.0084 | <0.0091 | <0.006 | <0.0101 | <0.0054 | <0.0086 | <0.0082 | <0.0086 | <0.0147 | <0.0153 | <0.0071 | <0.0067 | 0 | | | |
| Groundwater RCL | | | | --- | --- | 197 | --- | 0.47 | 0.2390 | --- | --- | 0.0721 | --- | 88.8 | 14.8 | --- | --- | --- | 0.6582 | --- | 54.5 | | | | |
| Non-Industrial Direct Contact RCL | | | | 3590 | --- | 17900 | 1.140 | 0.1150 | 1.150 | --- | 11.50 | 115 | 0.1150 | 2390 | 2390 | 1.150 | 17.6 | 239 | 5.52 | --- | 1790 | | 1.00E+00 | 1.00E-05 | |
| Industrial Direct Contact RCL | | | | (45200) | --- | (100000) | (20.8) | (2.11) | (21.1) | --- | (211) | (2110) | (2.11) | (30100) | (30100) | (21.1) | (72.7) | (3010) | (24.1) | --- | (22600) | | | | |
| Soil Saturation Concentration (C-sat)* | | | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | | |

Bold = Groundwater RCL Exceedance
Bold & Underline = Non Industrial Direct Contact RCL Exceedance
(Bold & Parentheses) = Industrial Direct Contact RCL Exceedance
Bold & Asteric * = C-sat Exceedance
(ppm) = parts per million
PAH = Polynuclear Aromatic Hydrocarbons
PID = Photoionization Detector
VOC's = Volatile Organic Compounds

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
A to Z Sales & Service – LGU BRRTS #03-59-190963

Sampling Conducted on June 19, 2017

| VOC's | Groundwater RCL | Underline & Bold = Non-Industrial Direct Contact RCL | | Industrial Direct Contact RCL | Asteric * & Bold = Soil Saturation (C-sat) RCL |
|------------------------------------|-----------------|------------------------------------------------------|------|-------------------------------|------------------------------------------------|
| | | Underline | Bold | | |
| Sample ID# | | G-2-2 | | | |
| Sample Depth/ft. | | 7 | | | |
| Solids Percent | | | | | |
| Benzene/ppm | 0.0051 | 1.6 | | (7.07) | 1820* |
| Bromobenzene/ppm | = = | 342 | | (679) | = = |
| Bromodichloromethane/ppm | 0.0003 | 0.418 | | (1.83) | = = |
| Bromoform/ppm | 0.0023 | 25.4 | | (113) | = = |
| tert-Butylbenzene/ppm | = = | 183 | | (183) | 183* |
| sec-Butylbenzene/ppm | = = | 145 | | (145) | 145* |
| n-Butylbenzene/ppm | = = | 108 | | (108) | 108* |
| Carbon Tetrachloride/ppm | 0.0039 | 0.916 | | (4.03) | = = |
| Chlorobenzene/ppm | = = | 370 | | (761) | 761* |
| Chloroethane/ppm | 0.2266 | = = | | = = | = = |
| Chloroform/ppm | 0.0033 | 0.454 | | (1.98) | = = |
| Chloromethane/ppm | 0.0155 | 159 | | (669) | = = |
| 2-Chlorotoluene/ppm | = = | 907 | | (907) | 907* |
| 4-Chlorotoluene/ppm | = = | 253 | | (253) | 253* |
| 1,2-Dibromo-3-chloropropane/ppm | 0.0002 | 0.008 | | (0.092) | = = |
| Dibromochloromethane/ppm | 0.032 | 8.28 | | (38.9) | = = |
| 1,4-Dichlorobenzene/ppm | 0.144 | 3.74 | | (16.4) | = = |
| 1,3-Dichlorobenzene/ppm | 1.1528 | 297 | | (297) | 297* |
| 1,2-Dichlorobenzene/ppm | 1.168 | 376 | | (376) | 376* |
| Dichlorodifluoromethane/ppm | 3.0863 | 126 | | (530) | = = |
| 1,2-Dichloroethane/ppm | 0.0028 | 0.652 | | (2.87) | 540* |
| 1,1-Dichloroethane/ppm | 0.4834 | 5.06 | | (22.2) | = = |
| 1,1-Dichloroethene/ppm | 0.005 | 320 | | (1190) | 1190* |
| cis-1,2-Dichloroethene/ppm | 0.0412 | 156 | | (2340) | = = |
| trans-1,2-Dichloroethene/ppm | 0.0626 | 1560 | | (1850) | = = |
| 1,2-Dichloropropane/ppm | 0.0033 | 3.4 | | (15) | = = |
| 1,3-Dichloropropane/ppm | = = | 1490 | | (1490) | 1490* |
| trans-1,3-Dichloropropene/ppm | 0.003 | 1510 | | (1510) | = = |
| cis-1,3-Dichloropropene/ppm | = = | 1210 | | (1210) | = = |
| Di-isopropyl ether/ppm | = = | 2260 | | (2260) | 2260* |
| EDB (1,2-Dibromoethane)/ppm | 0.0000282 | 0.05 | | (0.221) | = = |
| Ethylbenzene/ppm | 1.57 | 8.02 | | (35.4) | 480* |
| Hexachlorobutadiene/ppm | = = | 1.63 | | (7.19) | = = |
| Isopropylbenzene/ppm | = = | = = | | = = | = = |
| p-Isopropyltoluene/ppm | = = | 162 | | (162) | 162* |
| Methylene chloride/ppm | 0.0026 | 61.8 | | (1150) | = = |
| Methyl tert-butyl ether (MTBE)/ppm | 0.027 | 63.8 | | (282) | 8870* |
| Naphthalene/ppm | 0.6582 | 5.52 | | (24.1) | = = |
| n-Propylbenzene/ppm | = = | = = | | = = | = = |
| 1,1,2,2-Tetrachloroethane/ppm | 0.0002 | 0.81 | | (3.6) | = = |
| 1,1,1,2-Tetrachloroethane/ppm | 0.0534 | 2.78 | | (12.3) | = = |
| Tetrachloroethene (PCE)/ppm | 0.0045 | 33 | | (145) | = = |
| Toluene/ppm | 1.1072 | 818 | | (818) | 818* |
| 1,2,4-Trichlorobenzene/ppm | 0.408 | 24 | | (113) | = = |
| 1,2,3-Trichlorobenzene/ppm | = = | 62.6 | | (934) | = = |
| 1,1,1-Trichloroethane/ppm | 0.1402 | 640 | | (640) | 640* |
| 1,1,2-Trichloroethane/ppm | 0.0032 | 1.59 | | (7.01) | = = |
| Trichloroethene (TCE)/ppm | 0.0036 | 1.3 | | (8.41) | = = |
| Trichlorofluoromethane/ppm | 4.4775 | 1230 | | (1230) | 1230* |
| 1,2,4-Trimethylbenzene/ppm | 1.3787 | 219 | | (219) | 219* |
| 1,3,5-Trimethylbenzene/ppm | 0.0001 | 182 | | (182) | 182* |
| Vinyl Chloride/ppm | | 0.067 | | (2.08) | = = |
| m&p-Xylene/ppm | 3.96 | 260 | | (260) | 260* |
| o-Xylene/ppm | | | | | |

NS = not sampled, NM = Not Measured

(ppm) = parts per million

= = No Exceedences

"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
A to Z Sales & Service – LGU BRRTS #03-59-190963

| Sample ID | Depth (feet) | Saturation U/S | Date | PID | Lead (ppm) | GRO (ppm) | DIRECT CONTACT (PVOC & PAH) | | | | | | | | | | Exeedance Count | Hazard Index | Cumulative Cancer Risk |
|-----------------------------------------------|--------------|----------------|----------|------|--------------|-----------|-----------------------------|---------------------|--------------|-------------------|---------------|-------------------------------|-------------------------------|----------------------|-------------------|---|-----------------|--------------|------------------------|
| | | | | | | | Benzene (ppm) | Ethyl Benzene (ppm) | MTBE (ppm) | Naphthalene (ppm) | Toluene (ppm) | 1,2,4-Trime-thylbenzene (ppm) | 1,3,5-Trime-thylbenzene (ppm) | Xylene (Total) (ppm) | Other VOC's (ppb) | | | | |
| G-6-1 | 3.5 | U | 06/19/17 | 4.9 | 31.4 | NS | <0.025 | <0.025 | <0.025 | <0.0153 | <0.025 | <0.025 | <0.025 | <0.075 | NS | 0 | 0.0013 | 2.2E-07 | |
| G-11-1 | 3.5 | U | 06/19/17 | 16.7 | 34.60 | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | 0 | 0.0006 | 2.4E-08 | |
| G-12-1 | 3.5 | U | 06/19/17 | 4.7 | 32.30 | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | 0 | 0.0006 | 2.4E-08 | |
| EX-7 | 9.0 | U | 06/24/19 | 800 | NS | NS | 0.79 | 15.8 | <0.25 | 7.7 | 13.4 | 50 | 16 | 81.3 | NS | | | | |
| EX-8 | 16.0 | S | 06/24/19 | 50 | NS | NS | 0.68 | 0.65 | <0.025 | 0.12 | 5.3 | 0.46 | 0.125 | 3.05 | NS | | | | |
| EX-9 | 9.0 | U | 06/24/19 | 88 | NS | NS | 1.03 | 12.4 | <0.025 | 7.7 | 6.0 | 45 | 15.1 | 60.9 | NS | | | | |
| Groundwater RCL | | | | | 27 | - | 0.0051 | 1.57 | 0.027 | 0.6582 | 1.1072 | 1.3787 | | 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) | (260) | - | | 1.00E+00 | 1.00E-05 | |
| Soil Saturation Concentration (C-sat)* | | | | | - | - | 1820* | 480* | 8870* | - | 818* | 219* | 182* | 260* | - | | | | |

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

ND = No Detects

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.4 Vapor Analytical Table
 Sub-Slab Sampling Data Table for A to Z Sales & Service
 BY METCO

Sub-Slab Sampling conducted on November 19, 2019

| |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WDNR Residential Sub-Slab Vapor Action Levels for Various VOCs Quick Look-Up Table Updated November, 2017 (ug/m³) |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

| Sample ID | SS-1 | SS-2 | SS-3 | (ug/m ³) | |
|-----------------------------------------------------------|-------|-------|-------|----------------------|---|
| Benzene – ug/m ³ | <0.50 | <0.45 | <0.51 | 120 | c |
| Carbon Tetrachloride – ug/m ³ | NS | NS | NS | 160 | c |
| Chloroform – ug/m ³ | NS | NS | NS | 40 | c |
| Chloromethane – ug/m ³ | NS | NS | NS | 3100 | n |
| Dichlorodifluoromethane – ug/m ³ | NS | NS | NS | 3300 | n |
| 1,1-Dichloroethane (1,1-DCA) – ug/m ³ | NS | NS | NS | 600 | c |
| 1,2-Dichloroethane (1,2-DCA) – ug/m ³ | NS | NS | NS | 37 | c |
| 1,1-Dichloroethylene (1,1-DCE) – ug/m ³ | NS | NS | NS | 7000 | n |
| 1,2-Dichloroethylene (cis and trans) - ug/m ³ | NS | NS | NS | NA | - |
| Ethylbenzene – ug/m ³ | <1.4 | <1.2 | 5.1 | 370 | c |
| Methylene chloride – ug/m ³ | NS | NS | NS | 21000 | n |
| Methyl Tert-Butyl Ether (MTBE) – ug/m ³ | <5.7 | <5.1 | <5.8 | 3700 | c |
| Naphthalene – ug/m ³ | <4.1 | <3.7 | <4.2 | 28 | c |
| Tetrachloroethylene -ug/m ³ | NS | NS | NS | 1400 | n |
| Toluene – ug/m ³ | 5.0 | 2.9 | 2.7 | 170000 | n |
| 1,1,1-Trichloroethane – ug/m ³ | NS | NS | NS | 170000 | n |
| Trichloroethylene – ug/m ³ | NS | NS | NS | 70 | n |
| Trichlorofluoromethane (Halcarbon 11) – ug/m ³ | NS | NS | NS | NA | - |
| Trimethylbenzene (1,2,4) – ug/m ³ | <1.5 | <1.4 | <1.6 | 2100 | n |
| Trimethylbenzene (1,3,5) – ug/m ³ | <1.5 | <1.4 | <1.6 | 2100 | n |
| Vinyl chloride – ug/m ³ | NS | NS | NS | 57 | c |
| Xylene (total) -ug/m ³ | 8.7 | <3.7 | 56.1 | 3300 | n |

ug/m³ = Micrograms per cubic meter.

< = Less than the reporting limit indicated in parentheses.

Bold = Sub-Slab Standard Exceedance

NS = Not sampled

c = Carcinogen

n = Non Carcinogen

J = between Limit of Detection (LOD) and Limit of Quantitation (LOQ)

*** Please note that other VOCs were detected that are not on the WDNR Sub-Slab Vapor Action Levels Quick Look-Up Table.**

B = Compound was found in the blank and sample

E = Result exceeded calibration range

- = Inhalation toxicity values are not available from U.S. EPA

A.6 Water Level Elevations
A to Z Sales & Service – LGU BRRTS #03-59-190963
Bowler, Wisconsin

| | MW-1 | MW-1R | MW-2 | MW-3 | MW-4 | MW-5 | MW-6 | MW-7 |
|--------------------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|
| Ground Surface (feet msl) | 1077.95 | 1078.75 | 1079.26 | 1080.47 | 1078.55 | 1076.12 | 1078.76 | 1080.57 |
| PVC top (feet msl) | 1077.48 | 1078.29 | 1078.86 | 1080.07 | 1078.08 | 1075.64 | 1078.23 | 1080.29 |
| Well Depth (feet) | 17.00 | 17.00 | 19.00 | 19.00 | 17.00 | 16.00 | 19.00 | 20.00 |
| Top of screen (feet msl) | 1070.95 | 1071.75 | 1070.26 | 1071.47 | 1071.55 | 1070.12 | 1069.76 | 1070.57 |
| Bottom of screen (feet msl) | 1060.95 | 1061.75 | 1060.26 | 1061.47 | 1061.55 | 1060.12 | 1059.76 | 1060.57 |
| Depth to Water From Top of PVC (feet) | | | | | | | | |
| 01/30/18 | 12.31 | NI | 13.82 | 15.32 | 12.96 | 10.58 | 13.69 | NI |
| 05/01/18 | 12.73 | NI | 12.79 | 14.32 | 11.85 | 9.65 | 12.78 | NI |
| 08/27/19 | A | 11.19 | 12.38 | 13.82 | 11.42 | 9.22 | 12.24 | 14.68 |
| 11/19/19 | A | 11.01 | 12.31 | 13.74 | 11.43 | 9.14 | 12.11 | 14.56 |
| 02/11/20 | A | 11.49 | 12.79 | 14.27 | 11.86 | 9.57 | 12.65 | 15.15 |
| Depth to Water From Ground Surface (feet) | | | | | | | | |
| 01/30/18 | 12.78 | NI | 14.22 | 15.72 | 13.43 | 11.06 | 14.22 | NI |
| 05/01/18 | 13.20 | NI | 13.19 | 14.72 | 12.32 | 10.13 | 13.31 | NI |
| 08/27/19 | A | 11.65 | 12.78 | 14.22 | 11.89 | 9.70 | 12.77 | 14.96 |
| 11/19/19 | A | 11.47 | 12.71 | 14.14 | 11.90 | 9.62 | 12.64 | 14.84 |
| 02/11/20 | A | 11.95 | 13.19 | 14.67 | 12.33 | 10.05 | 13.18 | 15.43 |
| Groundwater Elevation (feet msl) | | | | | | | | |
| 01/30/18 | 1065.17 | NI | 1065.04 | 1064.75 | 1065.12 | 1065.06 | 1064.54 | NI |
| 05/01/18 | 1064.75 | NI | 1066.07 | 1065.75 | 1066.23 | 1065.99 | 1065.45 | NI |
| 08/27/19 | A | 1067.10 | 1066.48 | 1066.25 | 1066.66 | 1066.42 | 1065.99 | 1065.61 |
| 11/19/19 | A | 1067.28 | 1066.55 | 1066.33 | 1066.65 | 1066.50 | 1066.12 | 1065.73 |
| 02/11/20 | A | 1066.80 | 1066.07 | 1065.80 | 1066.22 | 1066.07 | 1065.58 | 1065.14 |

CNL = Could Not Locate

A = Abandoned and removed during soil excavation project

NI = Not Installed

A.7 Other
Groundwater NA Indicator Results
A to Z Sales & Service – LGU BRRTS #03-59-190963

Well MW-1/MW-1R

| Date | Dissolved Oxygen (ppm) | pH | ORP | Temp (C) | Specific Conductance | Nitrate + Nitrite (ppm) | Total Sulfate (ppm) | Dissolved Iron (ppm) | Manganese (ppb) |
|------------------------------------------------|------------------------------------------------------|------|--------|----------|----------------------|-------------------------|---------------------|----------------------|-----------------|
| 01/30/18 | 0.33 | 6.60 | -94.5 | 9.48 | 1469 | <0.36 | 10.2 | 51.1 | 4790 |
| 05/01/18 | 0.66 | 6.77 | -13 | 9.1 | 423.4 | NS | NS | NS | NS |
| 06/23/19 | WELL ABANDONED AND REMOVED DURING EXCAVATION PROJECT | | | | | | | | |
| 07/30/19 | MW-1 REPLACE WITH MW-1R | | | | | | | | |
| 08/27/19 | 1.25 | 6.43 | -83.8 | 15.3 | 748 | NS | NS | NS | NS |
| 11/19/19 | 0.99 | 6.69 | -103.7 | 13.29 | 756 | NS | NS | NS | NS |
| 02/11/20 | 2.72 | 6.71 | -105.3 | 8.56 | 1092 | NS | NS | NS | NS |
| ENFORCEMENT STANDARD = ES – Bold | | | | | | 10 | - | - | 300 |
| PREVENTIVE ACTION LIMIT = <i>PAL - Italics</i> | | | | | | 2 | - | - | 60 |

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

Well MW-2

| Date | Dissolved Oxygen (ppm) | pH | ORP | Temp (C) | Specific Conductance | Nitrate + Nitrite (ppm) | Total Sulfate (ppm) | Dissolved Iron (ppm) | Manganese (ppb) |
|------------------------------------------------|------------------------|------|--------|----------|----------------------|-------------------------|---------------------|----------------------|-----------------|
| 01/30/18 | 0.86 | 6.74 | -102.5 | 9.41 | 1483 | <0.36 | 4.26 | 26.6 | 2570 |
| 05/01/18 | 1.88 | 7.08 | -41 | 9.1 | 732 | NS | NS | NS | NS |
| 08/27/19 | 1.23 | 7.01 | -135.5 | 12.54 | 900 | NS | NS | NS | NS |
| 11/19/19 | 0.84 | 6.92 | -82.0 | 11.62 | 876 | NS | NS | NS | NS |
| 02/11/20 | 2.81 | 6.78 | -100.7 | 8.69 | 1537 | NS | NS | NS | NS |
| ENFORCEMENT STANDARD = ES – Bold | | | | | | 10 | - | - | 300 |
| PREVENTIVE ACTION LIMIT = <i>PAL - Italics</i> | | | | | | 2 | - | - | 60 |

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

Well MW-3

| Date | Dissolved Oxygen (ppm) | pH | ORP | Temp (C) | Specific Conductance | Nitrate + Nitrite (ppm) | Total Sulfate (ppm) | Dissolved Iron (ppm) | Manganese (ppb) |
|------------------------------------------------|------------------------|------|-------|----------|----------------------|-------------------------|---------------------|----------------------|-----------------|
| 01/30/18 | 1.12 | 7.08 | 46.3 | 9.40 | 1073 | 0.39 | 14.0 | 0.29 | 390 |
| 05/01/18 | 3.44 | 7.48 | 229 | 9.6 | 640 | NS | NS | NS | NS |
| 08/27/19 | 1.48 | 7.19 | 182.5 | 11.33 | 1106 | NS | NS | NS | NS |
| 11/19/19 | 1.04 | 7.10 | 203.8 | 12.12 | 901 | NS | NS | NS | NS |
| 02/11/20 | 4.75 | 7.02 | 209.0 | 9.36 | 1370 | NS | NS | NS | NS |
| ENFORCEMENT STANDARD = ES – Bold | | | | | | 10 | - | - | 300 |
| PREVENTIVE ACTION LIMIT = <i>PAL - Italics</i> | | | | | | 2 | - | - | 60 |

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

A.7 Other
Groundwater NA Indicator Results
A to Z Sales & Service – LGU BRRTS #03-59-190963

Well MW-4

| Date | Dissolved Oxygen (ppm) | pH | ORP | Temp (C) | Specific Conductance | Nitrate + Nitrite (ppm) | Total Sulfate (ppm) | Dissolved Iron (ppm) | Manganese (ppb) |
|------------------------------------------------|------------------------|------|-------|-----------|----------------------|-------------------------|---------------------|----------------------|-----------------|
| 01/30/18 | 2.45 | 7.06 | 181.4 | 9.00 | 479 | 0.56 | 9.33 | 0.57 | 90.2 |
| 05/01/18 | 6.57 | 7.41 | 262 | 8.7 | 412.6 | NS | NS | NS | NS |
| 08/27/19 | 4.82 | 7.05 | 215.2 | 13.71 | 721 | NS | NS | NS | NS |
| 11/19/19 | 4.01 | 6.98 | 264.8 | 12.04 | 558 | NS | NS | NS | NS |
| 02/11/20 | 6.75 | 6.94 | 215.8 | 9.00 | 705 | NS | NS | NS | NS |
| ENFORCEMENT STANDARD = ES – Bold | | | | | | 10 | - | - | 300 |
| PREVENTIVE ACTION LIMIT = <i>PAL - Italics</i> | | | | | | 2 | - | - | 60 |

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

Well MW-5

| Date | Dissolved Oxygen (ppm) | pH | ORP | Temp (C) | Specific Conductance | Nitrate + Nitrite (ppm) | Total Sulfate (ppm) | Dissolved Iron (ppm) | Manganese (ppb) |
|------------------------------------------------|------------------------|------|-------|-----------|----------------------|-------------------------|---------------------|----------------------|-----------------|
| 01/30/18 | 3.02 | 7.01 | 188.4 | 8.50 | 342 | 2.32 | 12.5 | 0.14 | 43 |
| 05/01/18 | 6.84 | 7.11 | 247 | 6.6 | 262.1 | NS | NS | NS | NS |
| 08/27/19 | 4.13 | 6.19 | 229.1 | 15.04 | 398 | NS | NS | NS | NS |
| 11/19/19 | 2.94 | 6.28 | 180.8 | 11.79 | 256 | NS | NS | NS | NS |
| 02/11/20 | 6.03 | 6.51 | 237.4 | 8.21 | 344 | NS | NS | NS | NS |
| ENFORCEMENT STANDARD = ES – Bold | | | | | | 10 | - | - | 300 |
| PREVENTIVE ACTION LIMIT = <i>PAL - Italics</i> | | | | | | 2 | - | - | 60 |

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

Well MW-6

| Date | Dissolved Oxygen (ppm) | pH | ORP | Temp (C) | Specific Conductance | Nitrate + Nitrite (ppm) | Total Sulfate (ppm) | Dissolved Iron (ppm) | Manganese (ppb) |
|------------------------------------------------|------------------------|------|--------|-----------|----------------------|-------------------------|---------------------|----------------------|-----------------|
| 01/30/18 | 3.65 | 6.78 | -120.0 | 9.44 | 844 | 0.45 | 5.64 | 2.01 | 1480 |
| 05/01/18 | 1.59 | 7.22 | 21 | 9.9 | 482.5 | NS | NS | NS | NS |
| 08/27/19 | 5.36 | 6.32 | 165.2 | 11.9 | 126 | NS | NS | NS | NS |
| 11/19/19 | 4.27 | 6.24 | 189.7 | 11.35 | 102 | NS | NS | NS | NS |
| 02/11/20 | 6.63 | 6.52 | 0.8 | 8.19 | 299 | NS | NS | NS | NS |
| ENFORCEMENT STANDARD = ES – Bold | | | | | | 10 | - | - | 300 |
| PREVENTIVE ACTION LIMIT = <i>PAL - Italics</i> | | | | | | 2 | - | - | 60 |

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

**A.7 Other
Groundwater NA Indicator Results
A to Z Sales & Service – LGU BRRTS #03-59-190963**

Well MW-7

| Date | Dissolved Oxygen (ppm) | pH | ORP | Temp (C) | Specific Conductance | Nitrate + Nitrite (ppm) | Total Sulfate (ppm) | Dissolved Iron (ppm) | Man-ganese (ppb) |
|------------------------------------------------|------------------------|------|-------|-----------|----------------------|-------------------------|---------------------|----------------------|------------------|
| 08/27/19 | 5.60 | 6.97 | 181.0 | 11.73 | 479 | NS | NS | NS | NS |
| 11/19/19 | 3.30 | 7.06 | 267.8 | 11.76 | 385 | NS | NS | NS | NS |
| 02/11/20 | 6.77 | 7.06 | 251.7 | 8.85 | 530 | NS | NS | NS | NS |
| ENFORCEMENT STANDARD = ES – Bold | | | | | | 10 | - | - | 300 |
| PREVENTIVE ACTION LIMIT = <i>PAL - italics</i> | | | | | | <i>2</i> | - | - | <i>60</i> |

(ppb) = parts per billion (ppm) = parts per million

ns = not sampled

nm = not measured

ORP = Oxidation Reduction Potential

Note: Elevations are presented in feet mean sea level (msl).

A.7 Other
 Flow Velocity Calculations
 A to Z Auto Sales, WDNR BRRTS# 03-59-190963

MW-1

| | | | | |
|---|----------------|----------------|-------------|-------------|
| | ft/s | ft/year | cm/s | m/yr |
| K | 7.99E-05 | 2.52E+03 | 2.44E-03 | 768.0126 |
| | sq ft/s | sq cm/s | | |
| T | 3.75E-04 | 3.48E-01 | | |

MW-2

| | | | | |
|---|----------------|----------------|-------------|-------------|
| | ft/s | ft/year | cm/s | m/yr |
| K | 1.06E-04 | 3.34E+03 | 3.23E-03 | 1018.8903 |
| | sq ft/s | sq cm/s | | |
| T | 5.49E-04 | 5.10E-01 | | |

MW-3

| | | | | |
|---|----------------|----------------|-------------|-------------|
| | ft/s | ft/year | cm/s | m/yr |
| K | 1.65E-05 | 5.20E+02 | 5.03E-04 | 158.6009 |
| | sq ft/s | sq cm/s | | |
| T | 6.06E-05 | 5.63E-02 | | |

| Date | Elv. (High) | Elv. (Low) | Distance (ft) | Hyd Grad (l) |
|----------|-------------|------------|----------------|--------------|
| 01/30/18 | 1065.10 | 1064.60 | 112 | 4.46E-03 |
| 05/01/18 | 1066.00 | 1065.00 | 49 | 2.04E-02 |
| 08/27/19 | 1067.00 | 1066.00 | 150 | 6.67E-03 |
| 11/19/19 | 1067.25 | 1065.75 | 225 | 6.67E-03 |
| 02/11/20 | 1066.75 | 1065.25 | 200 | 7.50E-03 |
| | | | Average | 9.14E-03 |

| | Average | Average | Flow Velocity |
|------|-----------------|---------------------|----------------------|
| | K (m/yr) | Hyd Grad (l) | (m/yr) |
| MW-1 | 768.0126 | 9.14E-03 | 23.4017 |
| MW-2 | 1018.8903 | 9.14E-03 | 31.0461 |
| MW-3 | 158.6009 | 9.14E-03 | 4.8327 |
| | | | Average |
| | | | 19.7602 |

Attachment B/Maps and Figures

B.1 Location Maps

B.1.a Location Map

B.1.b Detailed Site Map

B.1.c RR Site Map

B.2 Soil Figures

B.2.a Soil Contamination

B.2.b Residual Soil Contamination

B.3 Groundwater Figures

B.3.a.1 Geologic Cross-Section Figure – Map

B.3.a.2 Geologic Cross-Section Figure – Close Up Map

B.3.a.3 Geologic Cross-Section Figure – Cross-Section

B.3.b Groundwater Isoconcentration

B.3.c Groundwater Flow Direction

B.3.d Monitoring Wells

B.4 Vapor Maps and Other Media

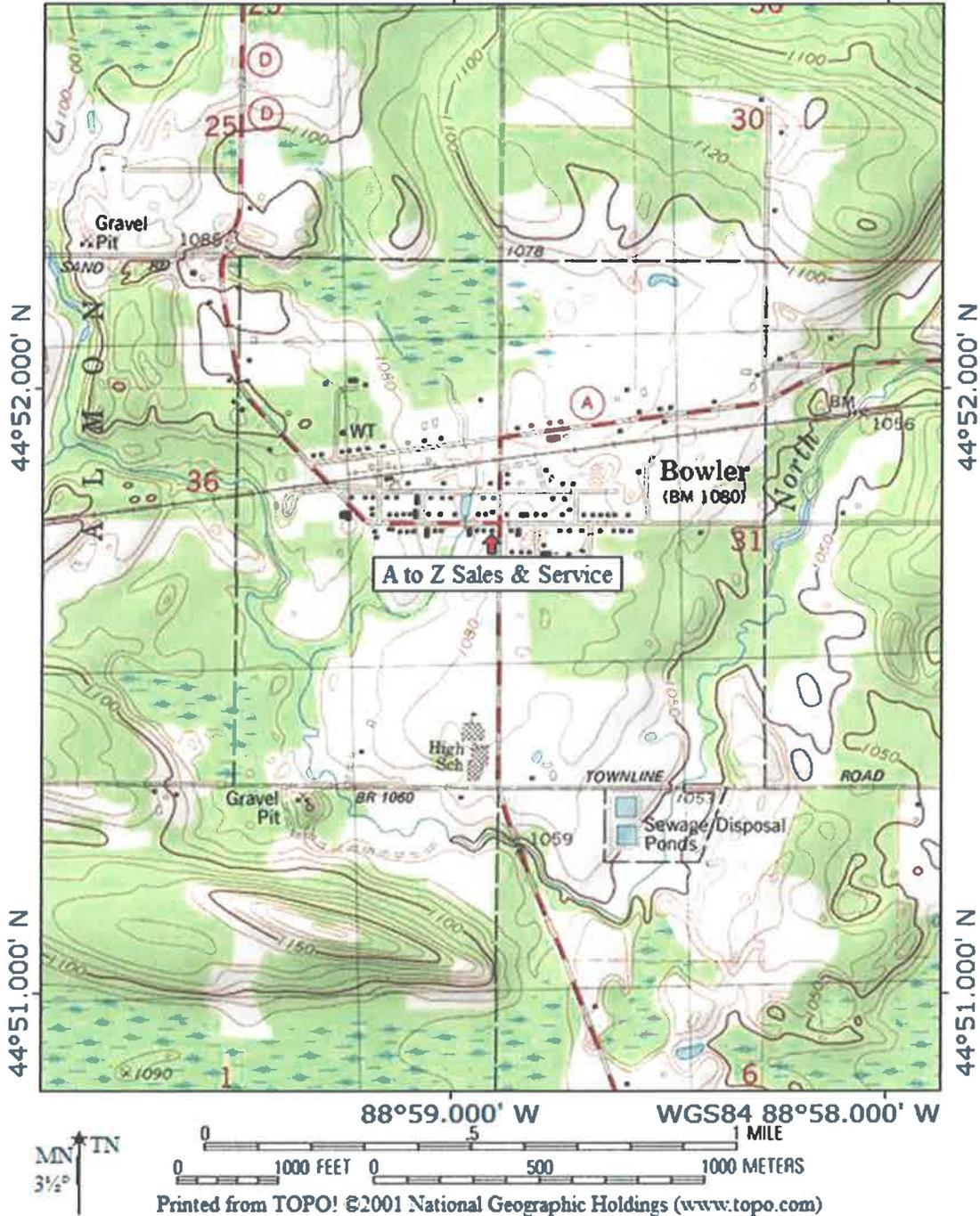
B.4.a Vapor Intrusion Map

B.4.b Other media of concern - No surface waters or sediments were assessed as part of the site investigation.

B.4.c Other – Not applicable.

B.5 Structural Impediment Photos – There were no structural impediments to the completion of the investigation.

TOPO! map printed on 12/21/16 from "Wisconsin.tpo" and "Untitled.tpg"
88°59.000' W WGS84 88°58.000' W



| |
|-------------------------------------------------|
| B.1.a LOCATION MAP |
| CONTOUR INTERVAL 10 FEET |
| A TO Z SALES & SERVICE – BOWLER, WI |
| SEAMLESS USGS TOPOGRAPHIC MAPS ON CD-ROM |

FORMER GAS STATION
AND CLOSED LUST SITE
MARY'S PLACE
BRITS # 03-59-07843
101 W MAIN STREET

REMOVED
LUSTS

MW-3R
FIRE PUMP ISLAND

N ALMON STREET
(CTH A)

RESIDENCE
101 E MAIN STREET

W MAIN STREET (CTH D)

E MAIN STREET

**B.I.b. DETAILED
SITE MAP**

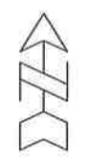
A TO Z SALES & SERVICE



709 Gillette St, Suite 3
La Crosse, WI 54603
Tel: (608) 781-8879
Fax: (608) 781-8893

**BOWLER,
WISCONSIN**

DRAWN BY: ED DATE: 12/20/16
MODIFIED BY: MM DATE: 6/21/17
MODIFIED BY: ED DATE: 5/12/20



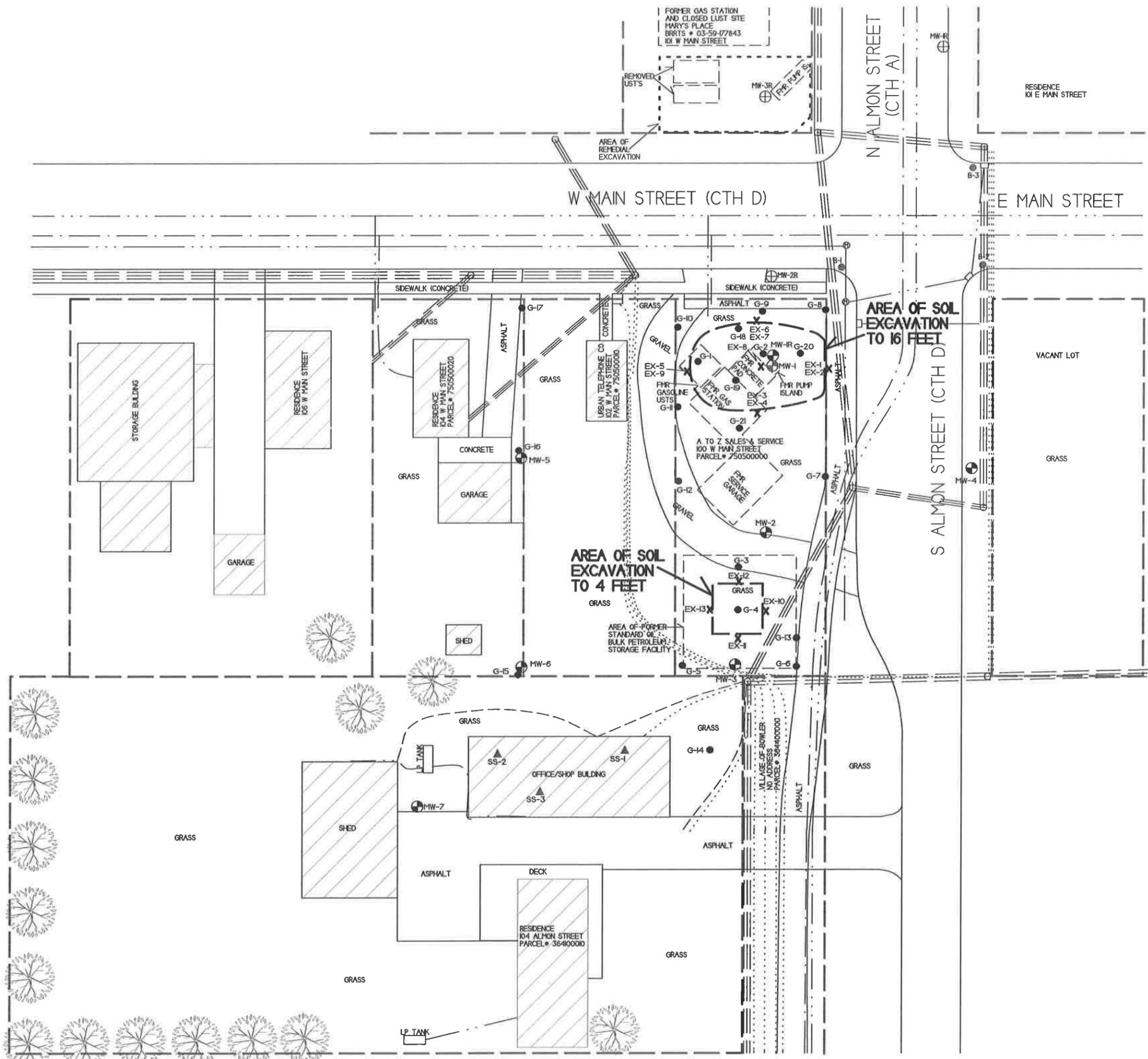
NOTE: INFORMATION BASED ON AVAILABLE
DATA. ACTUAL CONDITIONS MAY DIFFER.

SCALE:
1 INCH = 40 FEET



- PROPERTY BOUNDARY
- WATER LINE
- SANITARY SEWER LINE
- STORM SEWER LINE
- FIBER OPTIC LINE
- TELEPHONE/CABLE LINE
- BURIED ELECTRICAL
- OVERHEAD UTILITIES
- NATURAL GAS LINE

- - UTILITY POLE
- ⊕ - MANHOLE
- - SOIL BORING LOCATION (DOT PHASE 2)
- ⊕ - FORMER MONITORING WELL LOCATION - MARY'S PLACE
- - GEOPROBE BORING LOCATION
- ⊕ - MONITORING WELL LOCATION
- ⊕ - ABANDONED MONITORING WELL LOCATION
- ✕ - EXCAVATION CONFIRMATION SAMPLE LOCATION
- ▲ - SUB SLAB VAPOR SAMPLE LOCATION





B.1.c. RR Sites Map



Legend

- Open Site
- Closed Site
- Continuing Obligations Apply

0.3 0 0.3 Miles

1:15,840



NAD_1983_HARN_Wisconsin_TM

DISCLAIMER: The information shown on these maps has been obtained from various sources, and are of varying age, reliability and resolution. These maps are not intended to be used for navigation, nor are these maps an authoritative source of information about legal land ownership or public access. No warranty, expressed or implied, is made regarding accuracy, applicability for a particular use, completeness, or legality of the information depicted on this map. For more information, see the DNR Legal Notices web page: <http://dnr.wi.gov/org/legal/>

Note: Not all sites are mapped.

Notes

FORMER GAS STATION
AND CLOSED LUST SITE
MARY'S PLACE
BRITS # 03-59-07843
101 W MAIN STREET

REMOVED LUSTS

MW-3R
FIR P&P 5A

N ALMON STREET
(CTH A)

RESIDENCE
101 E MAIN STREET

W MAIN STREET (CTH D)

E MAIN STREET

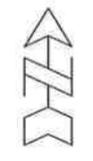
B.2.a.
SOIL CONTAMINATION
A TO Z SALES & SERVICE



709 Gillette St, Suite 3
La Crosse, WI 54603
Tel: (608) 781-8879
Fax: (608) 781-8893

**BOWLER,
WISCONSIN**

DRAWN BY: ED DATE: 12/20/16
MODIFIED BY: MH DATE: 6/21/17
MODIFIED BY: ED DATE: 5/12/20



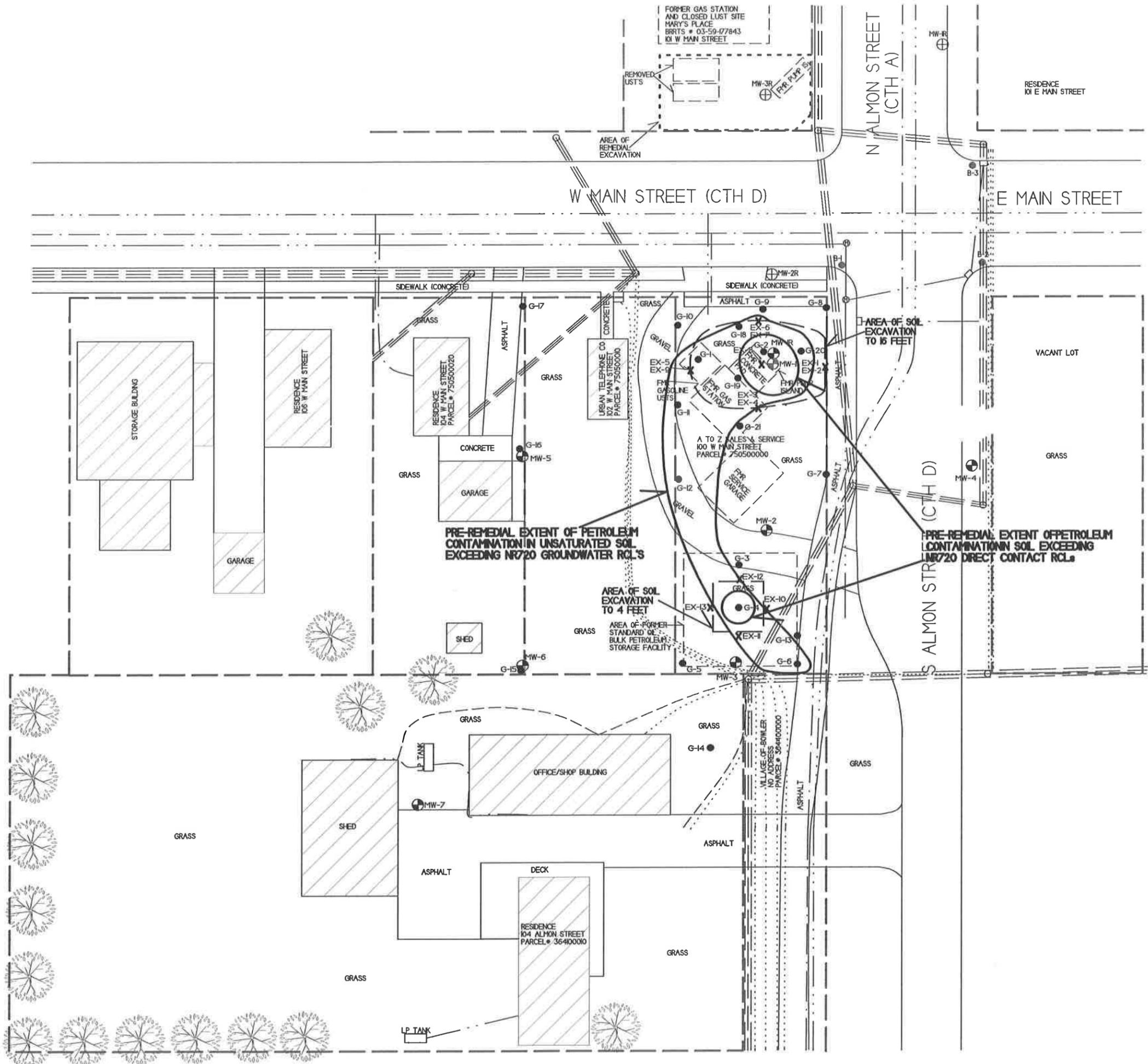
NOTE: INFORMATION BASED ON AVAILABLE
DATA ACTUAL CONDITIONS MAY DIFFER

SCALE:
1 INCH = 40 FEET



- PROPERTY BOUNDARY
- WATER LINE
- SANITARY SEWER LINE
- STORM SEWER LINE
- FIBER OPTIC LINE
- TELEPHONE/CABLE LINE
- BURIED ELECTRICAL
- OVERHEAD UTILITIES
- NATURAL GAS LINE

- - UTILITY POLE
- ⊕ - MANHOLE
- - SOIL BORING LOCATION (DOT PHASE 2)
- ⊕ - FORMER MONITORING WELL LOCATION - MARY'S PLACE
- - GEOPROBE BORING LOCATION
- ⊕ - MONITORING WELL LOCATION
- ⊕ - ABANDONED MONITORING WELL LOCATION
- ✕ - EXCAVATION CONFIRMATION SAMPLE LOCATION
- ▲ - SUB SLAB VAPOR SAMPLE LOCATION



FORMER GAS STATION
AND CLOSED LUST SITE
MARY'S PLACE
BRRTS # 03-59-07843
101 W MAIN STREET

REMOVED
LUSTS

AREA OF
REMEDIAL
EXCAVATION

N ALMON STREET
(CTH A)

RESIDENCE
101 E MAIN STREET

W MAIN STREET (CTH D)

E MAIN STREET

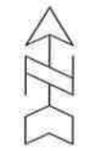
B.3.d.1. GEOLOGIC
CROSS SECTION FIGURE
A TO Z SALES & SERVICE



709 Gillette St., Suite 3
La Crosse, WI 54601
Tel: (608) 781-8879
Fax: (608) 781-8893

BOWLER,
WISCONSIN

DRAWN BY: ED DATE: 12/20/16
MODIFIED BY: MH DATE: 6/21/17
MODIFIED BY: ED DATE: 5/12/20

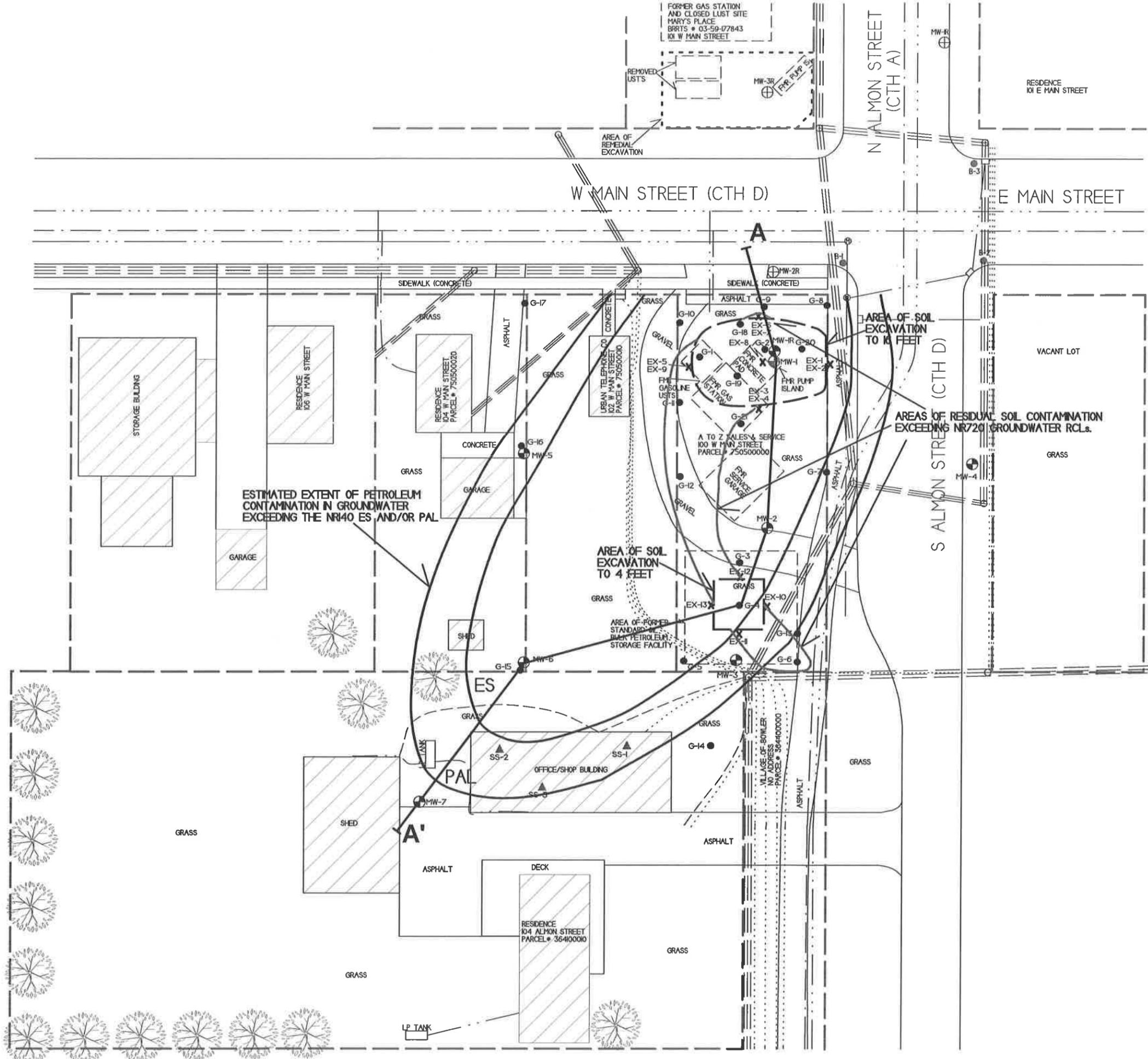


NOTE: INFORMATION BASED ON AVAILABLE
DATA ACTUAL CONDITIONS MAY DIFFER

SCALE:
1 INCH = 40 FEET

- PROPERTY BOUNDARY
- WATER LINE
- SANITARY SEWER LINE
- STORM SEWER LINE
- FIBER OPTIC LINE
- TELEPHONE/CABLE LINE
- BURIED ELECTRICAL
- OVERHEAD UTILITIES
- NATURAL GAS LINE

- - UTILITY POLE
- ⊕ - MANHOLE
- - SOIL BORING LOCATION (DOT PHASE 2)
- ⊕ - FORMER MONITORING WELL LOCATION - MARY'S PLACE
- - GEOPROBE BORING LOCATION
- ⊕ - MONITORING WELL LOCATION
- ⊕ - ABANDONED MONITORING WELL LOCATION
- ✕ - EXCAVATION CONFIRMATION SAMPLE LOCATION
- ▲ - SUB SLAB VAPOR SAMPLE LOCATION



ESTIMATED EXTENT OF PETROLEUM
CONTAMINATION IN GROUNDWATER
EXCEEDING THE NR140 ES AND/OR PAL

AREA OF SOIL
EXCAVATION
TO 4 FEET

AREA OF SOIL
EXCAVATION
TO 6 FEET

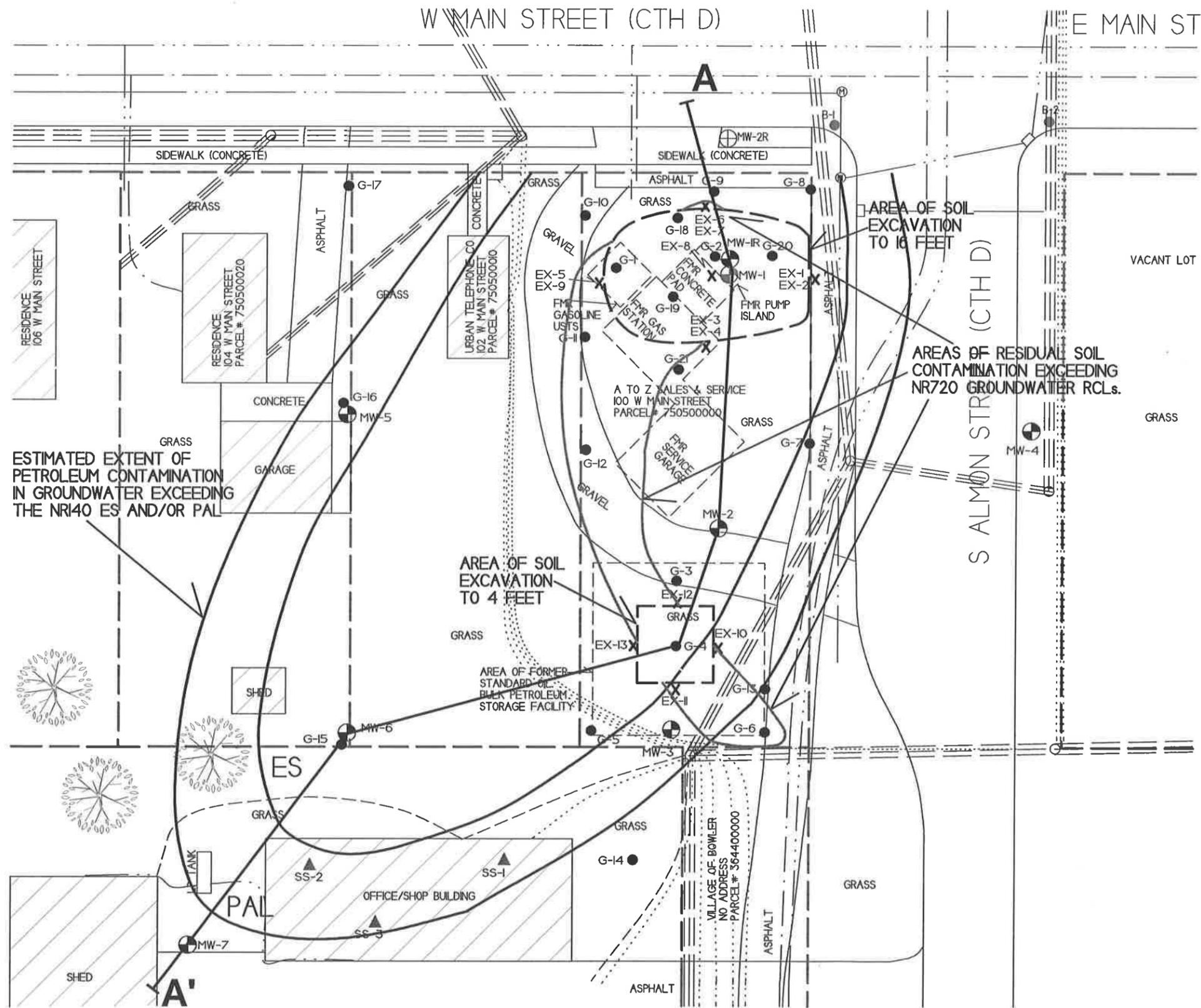
AREAS OF RESIDUAL SOIL CONTAMINATION
EXCEEDING NR720 GROUNDWATER RCLs.

A'

RESIDENCE
104 ALMON STREET
PARCEL # 364100010

VILLAGE OF BOWLER
NO ADDRESS
PARCEL # 364100010

LP TANK



ESTIMATED EXTENT OF PETROLEUM CONTAMINATION IN GROUNDWATER EXCEEDING THE NR140 ES AND/OR PAL

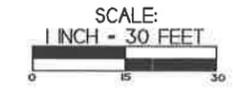
AREA OF SOIL EXCAVATION TO 4 FEET

AREA OF SOIL EXCAVATION TO 16 FEET

AREAS OF RESIDUAL SOIL CONTAMINATION EXCEEDING NR720 GROUNDWATER RCLs.

| | | |
|----------------------------------------|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| B.3.a.2. GEOLOGIC CROSS SECTION FIGURE | | |
| A TO Z SALES & SERVICE | | |
| | 709 Gillette St, Suite 2 La Crosse, WI 54603 Tel: (608) 781-8872 Fax: (608) 781-8893 | BOWLER, WISCONSIN DRAWN BY: ED DATE: 8/20/16 MODIFIED BY: MH DATE: 6/2/17 MODIFIED BY: ED DATE: 5/12/20 |

NOTE: INFORMATION BASED ON AVAILABLE DATA ACTUAL CONDITIONS MAY DIFFER



- PROPERTY BOUNDARY
- WATER LINE
- SANITARY SEWER LINE
- STORM SEWER LINE
- FIBER OPTIC LINE
- TELEPHONE/CABLE LINE
- BURIED ELECTRICAL
- OVERHEAD UTILITIES
- NATURAL GAS LINE

- - UTILITY POLE
- ⊕ - MANHOLE
- - SOIL BORING LOCATION (DOT PHASE 2)
- ⊕ - FORMER MONITORING WELL LOCATION - MARY'S PLACE
- - GEOPROBE BORING LOCATION
- ⊕ - MONITORING WELL LOCATION
- ⊕ - ABANDONED MONITORING WELL LOCATION
- ✕ - EXCAVATION CONFIRMATION SAMPLE LOCATION
- ▲ - SUB SLAB VAPOR SAMPLE LOCATION

B.3.a.3. GEOLOGIC CROSS SECTION FIGURE
A TO Z SALES & SERVICE

METCO
 709 Gillette St, Suite 3
 La Crosse, WI 54603
 Tel: (608) 781-9879
 Fax: (608) 781-8893

BOWLER, WISCONSIN
 DRAWN BY: ED DATE: 12/20/16
 MODIFIED BY: FH DATE: 6/28/17
 MODIFIED BY: ED DATE: 5/12/20

INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER.

GROUNDWATER SAMPLE RESULTS ARE PRESENTED IN PPB.

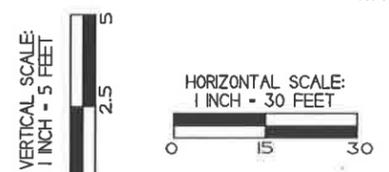
GROUNDWATER FLOW IS TOWARD THE SOUTHWEST.

NOTE: GROUNDWATER SAMPLE DATA IS BASED ON LABORATORY RESULTS FROM SAMPLES COLLECTED DURING THE FOLLOWING EVENTS:
 - GEOPROBE PROJECT (06/19-20/2017)
 - ROUND 5 GROUNDWATER SAMPLING (02/1/2020)

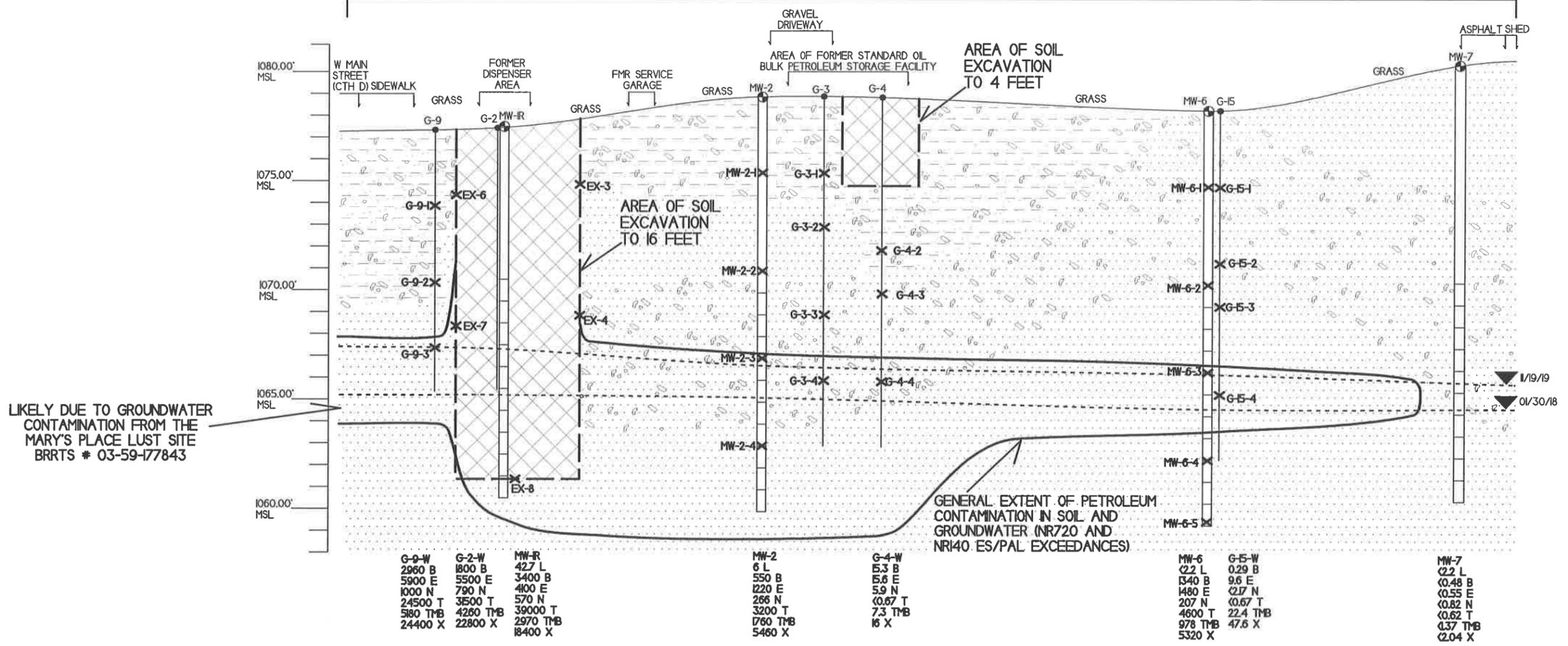
- - GEOPROBE BORING LOCATION
- ⊕ - MONITORING WELL LOCATION
- ✕ - SOIL SAMPLING LOCATION
- ▼ - WATERTABLE

- L - DISSOLVED LEAD
- B - BENZENE
- E - ETHYLBENZENE
- N - NAPHTHALENE
- T - TOLUENE
- TMB - TRIMETHYLBENZENE
- X - XYLENE

- SILTY/CLAYEY SAND WITH GRAVEL TO SANDY SILT/CLAY
- VERY FINE TO COARSE GRAINED SAND TO SILTY SAND
- VERY FINE TO COARSE GRAINED SAND WITH GRAVEL
- EXCAVATION BACKFILL



A NORTH A' SOUTHWEST



FORMER GAS STATION
AND CLOSED LUST SITE
MARY'S PLACE
BRRTS # 03-59-17843
101 W MAIN STREET

REMOVED
LUST'S

AREA OF
REMEDIAL
EXCAVATION

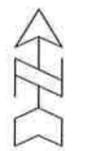
N ALMON STREET
(CTH A)

RESIDENCE
101 E MAIN STREET

W MAIN STREET (CTH D)

E MAIN STREET

| | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| B.3.b. GROUNDWATER ISOCONCENTRATION (2/11/2020) | |
| A TO Z SALES & SERVICE | |
|  709 Gillette St, Suite 3 La Crosse, WI 54603 Tel: (608) 781-8870 Fax: (608) 781-8953 <small>Experience through experience</small> | BOWLER, WISCONSIN DRAWN BY: ED DATE: 12/20/16 MODIFIED BY: MM DATE: 6/21/17 MODIFIED BY: ED DATE: 5/12/20 |



NOTE: INFORMATION BASED ON AVAILABLE
DATA ACTUAL CONDITIONS MAY DIFFER



- PROPERTY BOUNDARY
- WATER LINE
- SANITARY SEWER LINE
- STORM SEWER LINE
- FIBER OPTIC LINE
- TELEPHONE/CABLE LINE
- BURIED ELECTRICAL
- OVERHEAD UTILITIES
- NATURAL GAS LINE

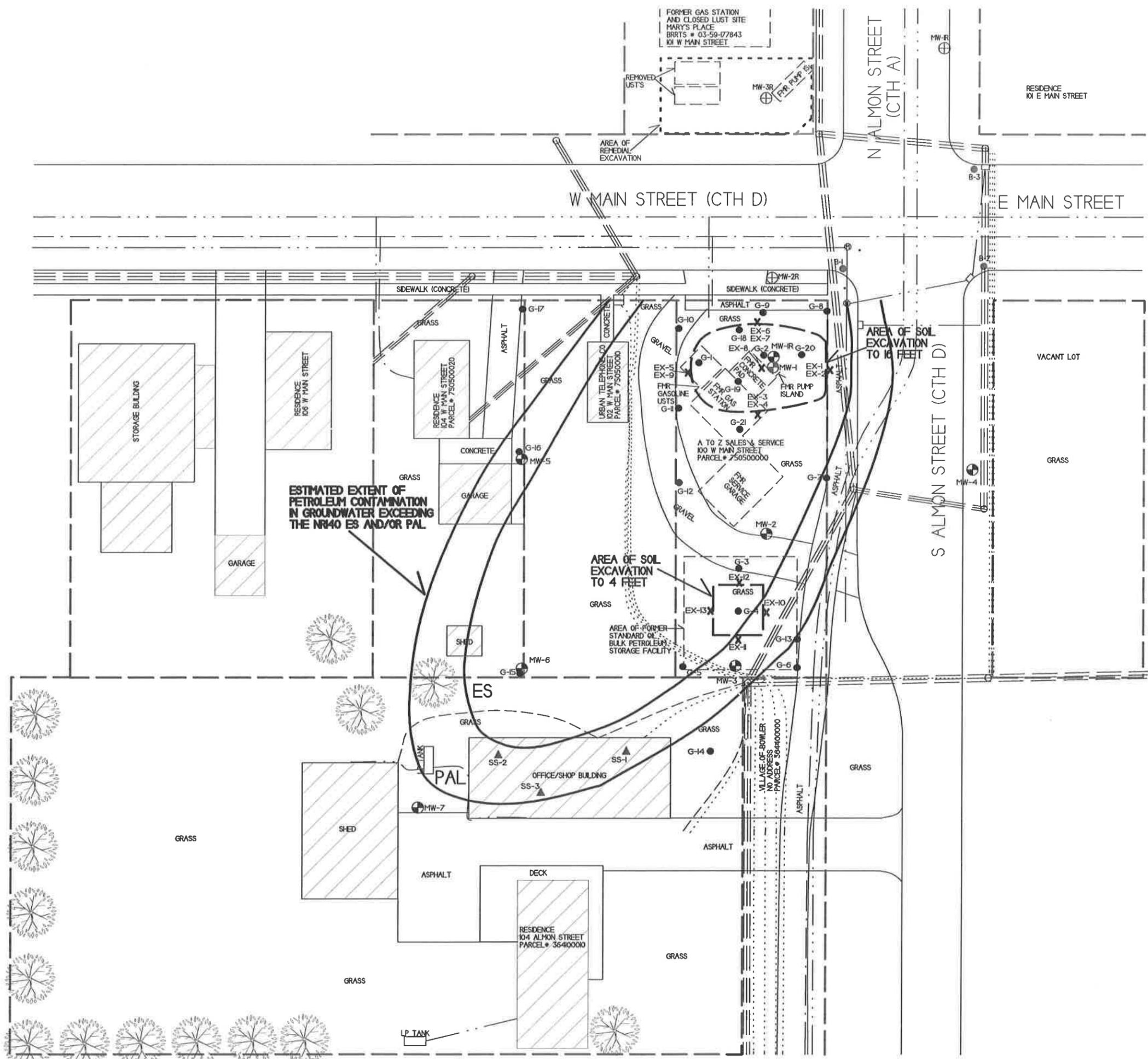
- - UTILITY POLE
- ⊕ - MANHOLE
- - SOIL BORING LOCATION (DOT PHASE 2)
- ⊕ - FORMER MONITORING WELL LOCATION - MARY'S PLACE
- - GEOPROBE BORING LOCATION
- ⊕ - MONITORING WELL LOCATION
- ⊕ - ABANDONED MONITORING WELL LOCATION
- ✕ - EXCAVATION CONFIRMATION SAMPLE LOCATION
- ▲ - SUB SLAB VAPOR SAMPLE LOCATION

ESTIMATED EXTENT OF
PETROLEUM CONTAMINATION
IN GROUNDWATER EXCEEDING
THE NR40 ES AND/OR PAL

AREA OF SOIL
EXCAVATION
TO 4 FEET

AREA OF SOIL
EXCAVATION
TO 16 FEET

AREA OF FORMER
STANDARD OIL
BULK PETROLEUM
STORAGE FACILITY



FORMER GAS STATION
AND CLOSED LUST SITE
MARY'S PLACE
BRITS # 03-59-77843
101 W MAIN STREET

REMOVED
LUSTS

MW-3R

FOR PUMP ISLAND

N ALMON STREET
(CTH A)

RESIDENCE
101 E MAIN STREET

W MAIN STREET (CTH D)

E MAIN STREET

B.4.a.
VAPOR INTRUSION MAP
A TO Z SALES & SERVICE



BOWLER,
WISCONSIN
DRAWN BY: ED DATE: 12/20/18
MODIFIED BY: MM DATE: 6/2/17
MODIFIED BY: ED DATE: 5/12/20

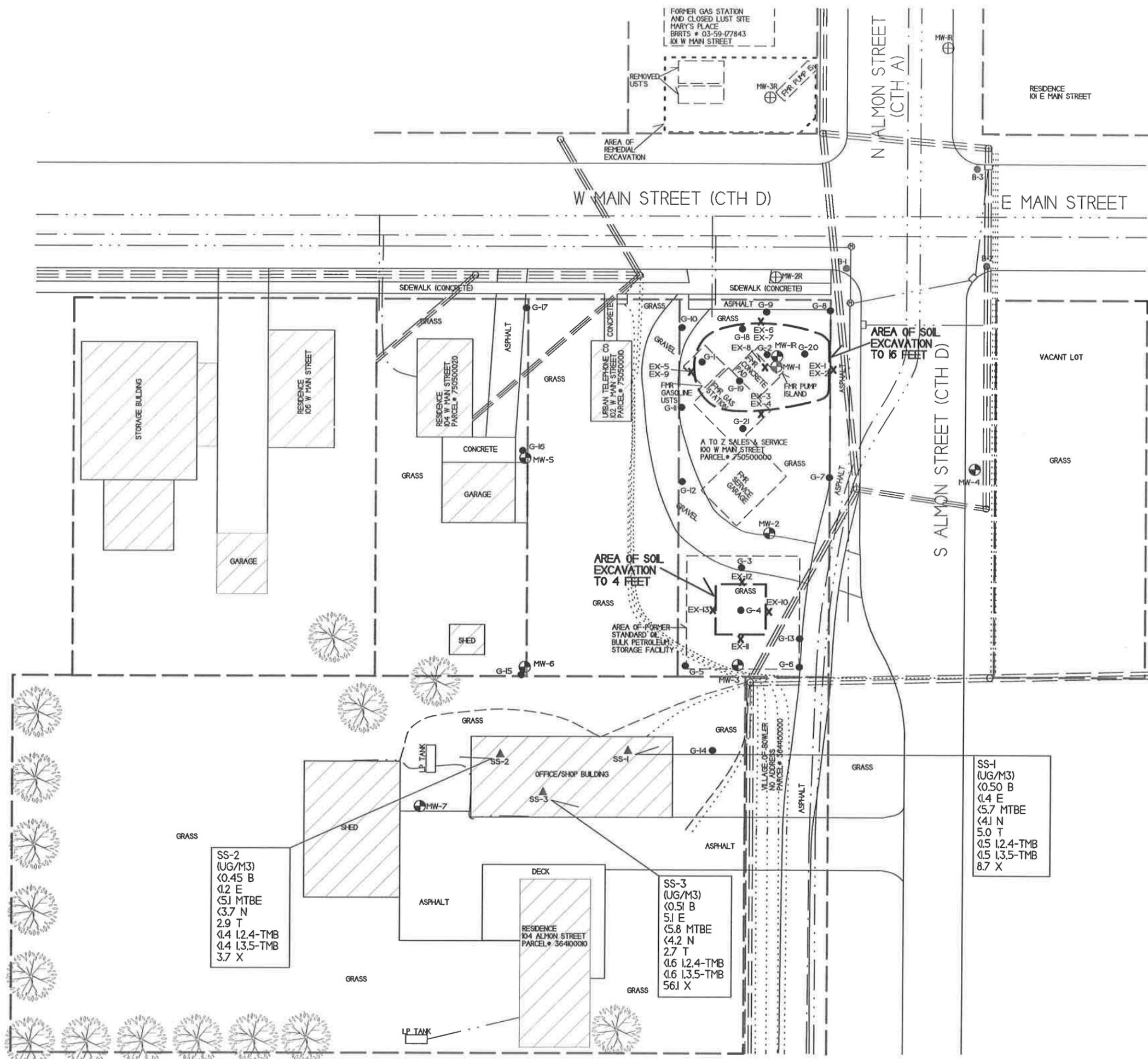


NOTE: INFORMATION BASED ON AVAILABLE
DATA. ACTUAL CONDITIONS MAY DIFFER

SCALE:
1 INCH = 40 FEET

- PROPERTY BOUNDARY
- WATER LINE
- SANITARY SEWER LINE
- STORM SEWER LINE
- FIBER OPTIC LINE
- TELEPHONE/CABLE LINE
- BURIED ELECTRICAL
- OVERHEAD UTILITIES
- NATURAL GAS LINE

- - UTILITY POLE
- ⊕ - MANHOLE
- - SOIL BORING LOCATION (DOT PHASE 2)
- ⊕ - FORMER MONITORING WELL LOCATION - MARY'S PLACE
- - GEOPROBE BORING LOCATION
- ⊕ - MONITORING WELL LOCATION
- ⊕ - ABANDONED MONITORING WELL LOCATION
- ✕ - EXCAVATION CONFIRMATION SAMPLE LOCATION
- ▲ - SUB SLAB VAPOR SAMPLE LOCATION



SS-2
(UG/M3)
<0.45 B
<0.2 E
<5.1 MTBE
<3.7 N
<2.9 T
<1.4 I,2,4-TMB
<1.4 I,3,5-TMB
<3.7 X

SS-3
(UG/M3)
<0.51 B
<5.1 E
<5.8 MTBE
<4.2 N
<2.7 T
<1.6 I,2,4-TMB
<1.6 I,3,5-TMB
<56.1 X

SS-1
(UG/M3)
<0.50 B
<1.4 E
<5.7 MTBE
<4.1 N
<5.0 T
<1.5 I,2,4-TMB
<1.5 I,3,5-TMB
<8.7 X

Attachment C/Documentation of Remedial Action

C.1 Site Investigation documentation – All other site investigation activities are documented in the following reports:

- Site Investigation Report – August 7, 2018
- Letter Report – October 3, 2019
- Letter Report – March 4, 2020

C.2 Investigative waste

C.3 Provide a description of the methodology used along with all supporting documentation if the Residual Contaminant Levels are different than those contained in the Department's RCL Spreadsheet available at: <http://dnr.wi.gov/topic/brownfields.Professionals.html> - Residual Contaminant Levels (RCLs) were established in accordance with NR 720.10 and NR 720.12. Soil RCL for the protection of the groundwater pathway and for non-industrial direct contact were taken from the RR programs RCL spreadsheet.

C.4 Construction documentation – No remedial systems were installed.

C.5 Decommissioning of Remedial Systems – No remedial systems were installed.

C.6 Other – Not Applicable

C.2. Investigative Waste

DKS Transport Services, LLC

N7349 548th Street
Menomonie, WI 54751

715-556-2604

INVOICE

12-12 20 17

CUSTOMER

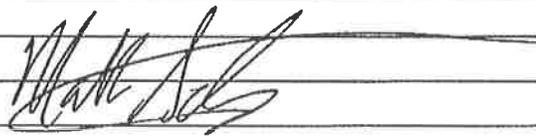
JOB NAME

Metro 90 Village of Bowler Ms Kerry BreitPK
709 Gilbert St

A to Z Sabre & Sons
Bowler WI

Lg Cross Wt 54603

CASH CHECK # _____ IN-HOUSE ACCOUNT

| QUANTITY | | DESCRIPTION | QTY. | UNIT PRICE | | AMOUNT | |
|------------------------------------------------------------------------------------------------------|---------|-------------------------------------------------------|------|------------|----|--------------|--------|
| DATE | SHIPPED | | | | | | |
| | 1 | Mobilization | 1 | 287 | 70 | 287 | 70 |
| | 5 | Haul soil drums to Advanced Disposal - Eau Claire WI | 5 | 108 | 15 | 540 | 75 |
| | 2 | Haul water drums to Advanced Disposal - Eau Claire WI | 2 | 42 | 11 | 84 | 22 |
| <p>Thank You</p>  | | | | | | | |
| | | | | | | TOTAL | 912 67 |

Due upon receipt of invoice.

1.5% per month Service Charge (18% Annual Percentage Rate) will be added to past due accounts.

SIGNATURE _____

205

Attachment D/Maintenance Plan(s)

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 via cap maintenance plan. – No Maintenance Plan is being implemented.

D.2 Location map(s) – No Maintenance Plan is being implemented.

D.3 Photographs – No Maintenance Plan is being implemented.

D.4 Inspection log – No Maintenance Plan is being implemented.

Attachment E/Monitoring Well Information

All wells have been located and will be properly abandoned upon WDNR granting closure to the site.

Attachment F/Source Legal Documents

F.1 Deed

F.2 Certified Survey Map – There is no certified survey map for this property, therefore a plat map has been provided.

F.3 Verification of Zoning

F.4 Signed Statement

F. 2. Certified Survey Map

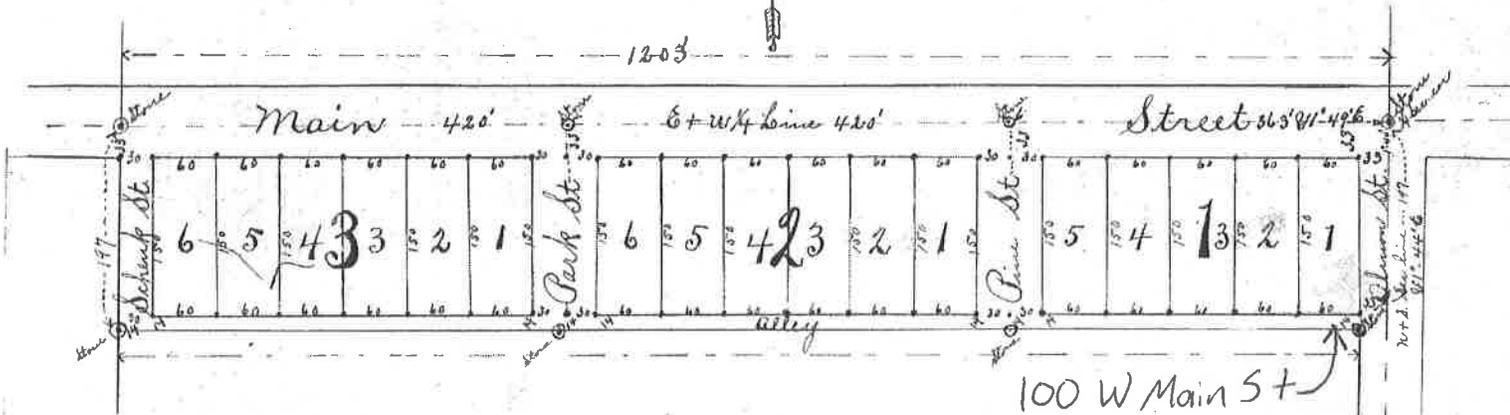
No. 74928

11

SCHENK'S PLAT OF ALMON

SHAWANO COUNTY WISCONSIN

SCALE: 1"=100'



State of Wisconsin } ss. J. Q. Melendy, County Surveyor, in and for the County and State aforesaid do hereby certify
 County of Shawano } that I have surveyed and subdivided into Blocks, Lots, Streets and Alleys the following described
 tract of land to wit: The north one hundred and ninety seven (197) feet of the east twelve hundred and three (1203) feet of the
 north east quarter of the south east quarter of section No. thirty six (36) of township No. twenty eight (28) north, range No.
 ten (10) east in Shawano County and State of Wisconsin, as shown on the above plat and to be known as Schenk's
 Plat of Almon. That said survey and subdivision was made by direction of Chas. Schenk, the owner of the land
 as surveyed and plotted. That the map above drawn is a correct representation of all the exterior boundaries of the
 land surveyed, and of the divisions thereon made, and that in surveying, subdividing and mapping the same I have
 fully complied with the provisions of Chapter one hundred and one (101) of the Wisconsin Statutes of 1905. Surveyed
 the 28th day of April and dated this 1st day of May, 1906.

J. Q. Melendy
 County Surveyor
 By: J. J. Melendy
 Deputy

State of Wisconsin } ss. I hereby certify that I caused the land described in the foregoing certificate of J. Q. Melendy
 County of Shawano } Surveyor, to be surveyed and mapped as represented on the above map
 signed in the presence of George Smith
 G. Selmer Schleyter.

State of Wisconsin } ss. Personally came before me this second day of August, 1906 the above named
 County of Shawano } Chas. Schenk, to and known to be the person who executed the foregoing instrument
 and acknowledged the same.

G. Selmer Schleyter
 Notary Public, Shawano Co. Wis.
 Commission expires July 21, 1911



Registered Office } Filed for record Aug. 3, 1906 at 10 o'clock P. M.
 Shawano Co. Wis.

P. F. Nolan Register.

State of Wisconsin }
 County of }
 ss. }
 I hereby certify that I have
 surveyed and mapped the above
 described land as shown on the
 above plat and to be known as
 Schenk's Plat of Almon.

F.3. Verification of Zoning

Shawano County
Ascent Land Records Suite

Access Type: Choose Category:

Public Real estate property & tax

What do you want to do?

Assessments

Help

?

Browser Setup Help

[Return to search results](#)

[Property Summary](#)

| | | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|---------------------------------------------------|--|
| Owner (s): VILLAGE OF BOWLER, TAX EXEMPT | | Location: Section, Sect. 36, T28N, R12E | |
| Mailing Address: TAX EXEMPT VILLAGE OF BOWLER BOWLER, WI 54416-0000 | | School District: 0623 - BOWLER SCHOOL DISTRICT | |
| Tax Parcel ID Number: 750500000 | Tax District: 108-VILLAGE OF BOWLER | Status: Active | |
| Alternate Tax Parcel Number: | | Acres: 0.0000 | |
| Description - Comments (Please see Documents tab below for related documents. For a complete legal description, see recorded document.): VIL OF BOWLER SCHENK'S PLAT LOT 1 BLK 1 & N 7' OF VACATED ALLEY | | | |
| Site Address (es): (Site address may not be verified and could be incorrect. DO NOT use the site address in lieu of legal description.) 100 W MAIN ST | | | |

Select Detail --> Assessments

Make Default Detail

Printer Friendly Page

View Interactive Map

Tax Year: 2019

Real Estate Assessments

| Code | Description | Acres | Land Value | Improvement Value | Total Value |
|--------|----------------------|-------|------------|-------------------|-------------|
| 4 | Exempt Other (Other) | 0 | \$0 | \$0 | \$0 |
| Total: | | 0.00 | \$0 | \$0 | \$0 |

Estimated Fair Market Value: Average Assessment Ratio: 0.898076658 *MFL and PFC values are not included in the total.

Special Assessments

| Assessment | Amount |
|------------|--------|
|------------|--------|

[Log in](#)

[View Disclaimer](#)

[Database Versions](#)

© 2019 Transcendent Technologies

F.4 Signed Statement

WDNR BRRTS Case #: 03-59-190963

WDNR Site Name: A to Z Sales & Service

Geographic Information System (GIS) Registry of Closed Remediation Sites

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

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

Responsible Party:

Robert Herzberg Village of Bowler - President
(print name/title)

Robert Herzberg 5-18-2020
(signature) (date)

Attachment G/Notifications to Owners of Affected Properties

G.A. Notification of Continuing Obligations to the property owner of an impacted property for residual soil and groundwater contamination located at 102 W Main Street.

G.A.1. Deed

G.A.2. Certified Survey Map – There is no certified survey map for this property, therefore a plat map has been provided.

G.A.3. Verification of Zoning

G.B. Notification of Continuing Obligations to the property owner of an impacted property for residual groundwater contamination located at 104 W Main Street.

G.B.1. Deed

G.B.2. Certified Survey Map – There is no certified survey map for this property, therefore a plat map has been provided.

G.B.3. Verification of Zoning

G.C. Notification of Continuing Obligations to the property owner of an impacted property for residual groundwater contamination located at 104 S Almon Street.

G.C.1. Deed

G.C.2. Certified Survey Map – There is no certified survey or plat map for this property, therefore a Shawano County GIS map has been provided.

G.C.3. Verification of Zoning

G.D. Notification of Continuing Obligations to Shawano County for residual groundwater contamination in the right-of-way of S Almon Street (County Highway D).

G.4 Signed Statement

G. A.

Notification of Continuing Obligations and Residual Contamination

Form 4400-286 (9/15)

C. I. Page

The affected property is:

- the source property (the source of the hazardous substance discharge), but the property is not owned by the person who conducted the cleanup (a deeded property)
- a deeded property affected by contamination from the source property
- a right-of-way (ROW)
- a Department of Transportation (DOT) ROW

Include this completed page as an attachment with all notifications provided under sections A and B.

Contact Information

Responsible Party: The person responsible for sending this form, and for conducting the environmental investigation and cleanup is:

Responsible Party Name Village of Bowler

| | | | |
|----------------------------------------------|-----------------------|--------------------|-----------------------------------------------------------|
| Contact Person Last Name Breitrick | First Kerry | MI | Phone Number (include area code) (715) 793-4910 |
| Address 107 W Main Street | City Bowler | State WI | ZIP Code 54416 |
| E-mail villageofbowler@frontier.com | | | |

Name of Party Receiving Notification:

Business Name, if applicable: Frontier Communications

| | | | | |
|---------------------------------|-----------|------------------------|--------------------|-----------------------------------------------------------|
| Title | Last Name | First | MI | Phone Number (include area code) (203) 614-5600 |
| Address 401 Merritt 7 | | City Norwalk | State CT | ZIP Code 06851 |

Site Name and Source Property Information:

Site (Activity) Name A to Z Sales & Service

| | | | |
|------------------------------------------|-----------------------|--------------------|--------------------------|
| Address 100 W Main Street | City Bowler | State WI | ZIP Code 54416 |
| DNR ID # (BRRTS#) 03-59-190963 | (DATCP) ID # | | |

Contacts for Questions:

If you have any questions regarding the cleanup or about this notification, please contact the Responsible Party identified above, or contact:

Environmental Consultant: METCO

| | | | |
|------------------------------------------------|--------------------------|--------------------|-----------------------------------------------------------|
| Contact Person Last Name Anderson | First Ron | MI | Phone Number (include area code) (608) 781-8879 |
| Address 709 Gillette Street, Suite 3 | City La Crosse | State WI | ZIP Code 54603 |
| E-mail rona@metcohq.com | | | |

Department Contact:

To review the Department's case file, or for questions on cleanups or closure requirements, contact:

Department of: Natural Resources (DNR)

| | | | |
|-----------------------------------------------------------------------------|--------------------------|--------------------|-----------------------------------------------------------|
| Address 2984 Shawano Ave | City Green Bay | State WI | ZIP Code 54313 |
| Contact Person Last Name James | First Andrew | MI | Phone Number (include area code) (920) 662-5149 |
| E-mail (Firstname.Lastname@wisconsin.gov) Andrew.James@wisconsin.gov | | | |

Section A: Deeded Property Notification: Residual Contamination and/or Continuing Obligations

KEEP THIS DOCUMENT WITH YOUR PROPERTY RECORDS

401 Merritt 7
Norwalk, CT, 06851

Dear [Enter receiver's name in page 3 section: Contact Information]:

I am providing this letter to inform you of the location and extent of contamination remaining on your property, and of certain long-term responsibilities (continuing obligations) for which you may become responsible.

I have investigated a release of:

Gasoline

on 100 W Main Street, Bowler, WI, 54416 that has shown that contamination has migrated onto your property. I have responded to the release and will be requesting that the Department of Natural Resources (DNR) grant case closure. Closure means that the DNR will not be requiring any further investigation or cleanup action to be taken. However, continuing obligations may be imposed as a condition of closure approval.

You have 30 days to comment on the attached legal description of your property and on the proposed closure request:

Please review the enclosed legal description of your property, and notify Ron Anderson at 709 Gillette Street, Suite 3, La Crosse, WI, 54603 within the next 30 days if the legal description is incorrect.

The DNR will not review my closure request for at least 30 days after the date of receipt of this letter. As an affected property owner, you have a right to contact the DNR to provide any technical information that you may have that indicates that closure should not be granted for this site. If you would like to submit any information that is relevant to this closure request, or if you want to waive the 30 day comment period, you should mail that information to the DNR contact: 2984 Shawano Ave, Green Bay, WI, 54313, or at Andrew.James@wisconsin.gov.

Your Long-Term Responsibilities as a Property Owner and Occupant:

The responses included

Excavation of 1,078 tons of petroleum contaminated soil and groundwater monitoring.

The continuing obligations I am proposing that affect your property are listed below, under the heading **Continuing Obligations**. Under s. 292.12 (5), Wis. Stats., current and future owners and occupants of this property are responsible for complying with continuing obligations imposed as part of an approved closure.

The fact sheet "Continuing Obligations for Environmental Protection" (DNR publication RR 819) has been included with this letter, to help explain the responsibilities you may have for maintenance of a certain continuing obligation, the limits of any liability for investigation and cleanup of contamination, and how these differ. If the fact sheet is lost, you may obtain copies at <http://dnr.wi.gov/files/PDF/pubs/rr/RR819.pdf>.

Contract for responsibility for continuing obligation:

Before I request closure, I will need to inform the DNR as to whom will be responsible for the continuing obligation/s on your property.

[Indicate which party will be responsible for the continuing obligation(s) on the property, and whether an agreement/contract has been worked out between the RP and affected party.]

Under s. 292.12, Wis. Stats., the responsibility for maintaining all necessary continuing obligations for your property will fall on you or any subsequent property owner, unless another person has a legally enforceable responsibility to comply with the requirements of the final closure letter. If you need more time to finalize an agreement on the responsibility for the continuing obligations on your Property, you may request additional time from the DNR contact identified in **Contact Information**.

(Note: Future property owners would need to negotiate a new agreement.)

Remaining Contamination:

Soil Contamination:

Soil contamination remains at :
102 W Main Street

The remaining contaminants include:

Lead

at levels which exceed the soil standards found in ch. NR 720, Wis. Adm. Code. The following steps have been taken to address any exposure to the remaining soil contamination.

Excavation of 1,078 tons of petroleum contaminated soil and groundwater monitoring.

Groundwater Contamination:

Groundwater contamination originated at the property located at 100 W Main Street, Bowler, WI, 54416 .

Contaminated groundwater has migrated onto your property at:

102 W Main Street

The levels of

Benzene, Ethylbenzene, Naphthalene, Toluene, Trimethylbenzenes, and Xylene

contamination in the groundwater on your property are above the state groundwater enforcement standards found in ch. NR 140, Wis. Adm. Code.

However, the environmental consultants who have investigated this contamination have informed me that this groundwater contaminant plume is stable or receding and will naturally degrade over time. I believe that allowing natural attenuation, or the breakdown of contaminants in groundwater due to naturally occurring processes, to complete the cleanup at this site will meet the case closure requirements of ch. NR 726, Wis. Adm. Code. As part of my request for case closure, I am requesting that the DNR accept natural attenuation as the final remedy for this site.

The following DNR fact sheet (RR 671, "What Landowners Should Know: Information About Using Natural Attenuation to Clean Up Contaminated Groundwater") has been included with this notification, to help explain the use of natural attenuation as a remedy. If the fact sheet is lost, you may obtain a copy at <http://dnr.wi.gov/files/PDF/pubs/rr/RR671.pdf>.

Continuing Obligations on Your Property: As part of the cleanup, I am proposing that the following continuing obligations be used at your property, to address future exposure to residual contamination. If my closure request is approved, you will be responsible for the following continuing obligations.

To construct a new well or to reconstruct an existing well, the property owner at the time of construction or reconstruction will need to obtain prior approval from the DNR. See the paragraph **GIS Registry and Well Construction Requirements**. Typically, this results in casing off a portion of the aquifer during drilling, when needed, to protect the water supply.

Residual Soil Contamination:

If soil is excavated from the areas with residual contamination, the property owner at the time of excavation will be responsible for the following:

- determine if contamination is present
- determine whether the material would be considered solid or hazardous waste
- ensure that any storage, treatment or disposal is in compliance with applicable statutes and rules.

Contaminated soil may be managed in-place, in accordance with ch. NR 718, Wis. Adm. Code, with prior DNR approval. In addition, all current and future property owners and occupants of the property and right-of-way holders need to be aware that excavation of the contaminated soil may pose an inhalation or other direct contact hazard and as a result special precautions may need to be taken during excavation activities to prevent a health threat to humans.

Depending on site-specific conditions, construction over contaminated soils or groundwater may result in vapor migration of contaminants into enclosed structures or migration along underground utility lines. The potential for vapor inhalation and means of mitigation should be evaluated when planning any future redevelopment, and measures should be taken to ensure the continued protection of public health, safety, welfare and the environment at the site.

Maintenance and Audits of Continuing Obligations:

If compliance with a maintenance plan is required as part of a continuing obligation, an inspection log will need to be filled out periodically, and kept available for inspection by the DNR. Submittal of the inspection log may also be required. You will also need to notify any future owners or occupants of this property of the need to maintain the continuing obligation and to document that maintenance in the inspection log. Periodic audits of these continuing obligations may be conducted by the DNR, to ensure that potential exposure to residual contamination is being addressed. The DNR provides notification before conducting site visits as part of the audit.

GIS Registry and Well Construction Requirements:

If this site is closed, all properties within the site boundaries where contamination remains, or where a continuing obligation is applied, will be listed on the Bureau for Remediation and Redevelopment Tracking System (BRRTS) on the Web, at <http://dnr.wi.gov/topic/Brownfields/clean.html>. Inclusion on this database provides public notice of remaining contamination and of any continuing obligations. Documents can be viewed on this database, and include final closure letters, site maps and any applicable maintenance plans. The location of the site may also be viewed on the Remediation and Redevelopment Sites Map (RR Sites Map), on the "GIS Registry" layer, at the same internet address listed above.

DNR approval prior to well construction or reconstruction is required for all sites included in the GIS Registry, in accordance with s. NR 812.09 (4) (w), Wis. Adm. Code. This requirement applies to private drinking water wells and high capacity wells. Special well construction standards may be necessary to protect the well from the remaining contamination. Well drillers need to first obtain approval from a regional water supply specialist in DNR's Drinking Water and Groundwater Program. The well construction application, form 3300-254, is on the internet at <http://dnr.wi.gov/topic/wells/documents/3300254.pdf>.

Site Closure:

If the DNR grants closure, you will receive a letter which defines the specific continuing obligations on your property. The status of the site (open or closed) may also be checked by searching BRRTS on the Web. You may view or download a copy of the closure letter (sent to the responsible party) from BRRTS on the Web. You may also request a copy of the closure letter from the **responsible party** or by writing to the DNR contact, at Andrew James, Andrew.James@wisconsin.gov, (920) 662-5149. The final closure letter will contain a description of the continuing obligation, any prohibitions on activities and will include any applicable maintenance plan.

If you have any questions regarding this notification, I can be reached at: (608) 781-8879
rona@metcohq.com



Signature of responsible party/environmental consultant for the responsible party

Date Signed

5/14/20

Attachments

Contact Information

Legal Description for each Parcel:

Factsheets:

RR 819, Continuing Obligations for Environmental Protection

RR 671, What Landowners Should Know: Information About Using Natural Attenuation to Clean Up Contaminated Groundwater

WARRANTY DEED.

STATE OF WISCONSIN—FORM No. 1

NUMBER

202744

This Indenture, Made this 8th day of November, A. D., 1942, between Eddie Schenk and Viola Schenk, his wife

part 100 of the first part, and Urban Telephone Company, Clintonville, Wisconsin

part 7 of the second part.

WITNESSETH, That the said part 100 of the first part, for and in consideration of the sum of One Dollar and other good and valuable consideration to them in hand paid by the said part 7 of the second part, the receipt whereof is hereby confessed and acknowledged, he, Y. S. given, granted, bargained, sold, remised, released, aliened, conveyed and confirmed, and by these presents do give, grant, bargain, sell, remise, release, alien, convey and confirm unto the said part 7 of the second part, its heirs and assigns forever, the following described real estate, situated in the County of Shawano, and State of Wisconsin, to-wit:

LOT TWO (2) BLOCK ONE (1) OF SCHENK'S PLAT OF THE VILLAGE OF BOWLER.

TOGETHER with all and singular the hereditaments and appurtenances thereunto belonging or in any wise appertaining; and all the estate, right, title, interest, claim or demand whatsoever, of the said part 100 of the first part, either in law or equity, either in possession or expectancy of, in and to the above bargained premises, and their hereditaments and appurtenances.

TO HAVE AND TO HOLD the said premises as above described with the hereditaments and appurtenances, unto the said part 7 of the second part, and to its heirs and assigns FOREVER.

AND THE SAID Eddie Schenk and Viola Schenk, his wife for themselves, their heirs, executors and administrators, do covenant, grant, bargain and agree to and with the said part 7 of the second part, its heirs and assigns, that at the time of the enrolling and delivery of these presents they are well seized of the premises above described, as of a good, sure, perfect, absolute and indefeasible estate of inheritance in the law, in fee simple, and that the same are free and clear from all incumbrances whatever.

and that the above bargained premises in the quiet and peaceable possession of the said part 7 of the second part, its heirs and assigns, against all and every person or persons lawfully claiming the whole or any part thereof, they will forever WARRANT AND DEFEND.

IN WITNESS WHEREOF, the said part 100 of the first part has hereunto set their hand and seal this 8th day of December, A. D., 1942

Signed and Sealed in Presence of

Milton W. Voelz

Hiram H. Carley

STATE OF WISCONSIN,

Shawano County, ss.

Personally came before me, this 8th day of December, A. D., 1942, the above named Eddie Schenk and Viola Schenk, his wife

to me known to be the person s who executed the foregoing instrument and acknowledged the same.

Received for Record this 5th day of

Jan. A. D., 1943, at 9 o'clock A. M.

Register of Deeds.

Deputy.

EDDIE SCHENK (SEAL)

VIOLA SCHENK (SEAL)

(SEAL)

(SEAL)



Milton W. Voelz

Notary Public, Shawano County, Wis.

My Commission expires April 21 A. D., 1946



Using Natural Attenuation to Clean Up Contaminated Groundwater: What Landowners Should Know

RR-671

December 2016

What Is Natural Attenuation?

Natural attenuation makes use of natural processes in soil and groundwater to contain the spread of contamination and to reduce the amount of contamination from chemical releases.

Natural attenuation is an *in-situ* treatment method. This means that contaminants are left in place while natural attenuation works on them. Natural attenuation is relied upon to clean up contamination that remains after the source of the contamination is removed. An example of a source of contamination would be a leaking underground petroleum tank.

How Does Natural Attenuation Work?

Natural attenuation processes work at many sites, but the rate and degree of effectiveness varies from property to property, depending upon the type of contaminants present and the physical, chemical and biological characteristics of the soil and groundwater.

Natural attenuation processes can be divided into two broad categories – destructive and non-destructive. Destructive processes destroy contaminants. The most common destructive process is **biodegradation**.

Non-destructive processes do not destroy the contaminant, but reduce contaminant concentrations in groundwater through **dilution, dispersion or adsorption**.

Biodegradation

Biodegradation is a process in which micro-organisms that naturally occur in soil and groundwater (e.g. yeast, fungi, or bacteria), break down, or degrade hazardous substances to less toxic or non-toxic substances. Microorganisms, like humans, eat and digest organic compounds for nutrition and energy (organic compounds contain carbon and hydrogen atoms).

Some types of microorganisms can digest organic substances such as fuels or solvents that are hazardous to humans. Microorganisms break down the organic contaminants into harmless products – mainly carbon dioxide and water. Once the contaminants are degraded, the microorganism populations decline because they have used their food sources. These small populations of microorganisms pose no contaminant or health risk.

Many organic contaminants, like petroleum, can be biodegraded by microorganisms in the underground environment. For example, biodegradation processes can effectively cleanse soil and groundwater of hydrocarbon fuels such as gasoline and benzene, toluene, ethylbenzene, and xylene – known as the BTEX compounds, under certain conditions.

Biodegradation can also breakdown other contaminants in groundwater such as trichloroethylene (TCE), a chlorinated solvent used in metal cleaning. However, the processes involved are harder to predict and are less effective at contaminant removal compared to petroleum-contaminated sites.



Wisconsin Department of Natural Resources
P.O. Box 7921, Madison, WI 53707
dnr.wi.gov, search "brownfield"



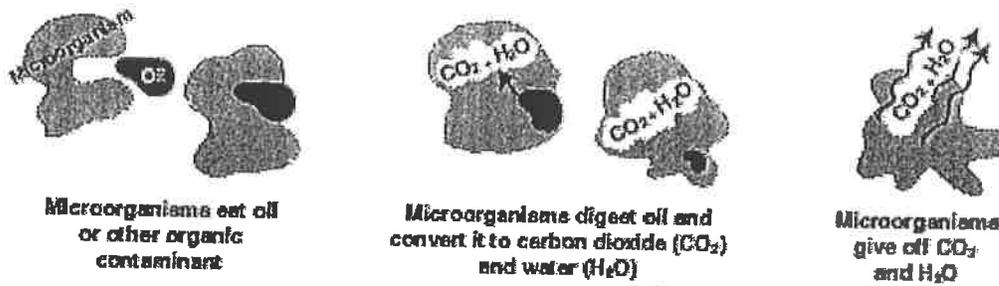


Figure 1. Schematic Diagram of Aerobic Biodegradation in Soil

Dilution and Dispersion

The effects of dilution and dispersion reduce contaminant concentrations but do not destroy contaminants. Clean water from the surface seeps underground to mix with and dilute contaminated groundwater.

Other processes that lead to reduced concentrations of contaminants include clean groundwater flowing into contaminated areas, and the dispersion of pollutants as they spread out and away from the main path of the contaminated plume.

Adsorption

Adsorption occurs when contaminants attach or “sorb” to underground particles. Most oily substances (like petroleum compounds) repel water and escape from the groundwater by attaching to organic matter and clay minerals in the subsurface.

This process holds back or retards contaminant movement and reduces the concentration of contaminants in the groundwater. However, like dilution and dispersion, adsorption does not destroy contaminants.

Why Consider Natural Attenuation To Clean Up Soil And Groundwater?

In certain situations, natural attenuation is an effective, inexpensive cleanup option and the most appropriate way to remediate some contamination problems. Natural attenuation focuses on confirming and monitoring natural remediation processes rather than relying on engineered or “active” technologies (such as pumping groundwater, treating it above ground, then disposing of the treated water).

Contaminants from petroleum are good candidates for natural attenuation because they are among the most easily destroyed by biodegradation. Natural attenuation is non-invasive, which allows treatment to go on below ground, while the surface can continue to be used.

Natural attenuation can also be less costly than active engineered treatment options, and requires no special equipment, energy source, or disposal of treated soil or groundwater.

Will Natural Attenuation Work At My Property?

Whether natural attenuation will work at a particular location is determined by investigating the soil and groundwater. These investigations determine the type of contaminants present, the levels of contamination, and the physical and chemical conditions that lead to biodegradation of the contaminants.

In order to rely on natural attenuation, responsible parties are required to confirm that natural attenuation processes are working by monitoring the soil and groundwater over a period of time to show that the contaminant concentrations are decreasing and that the contamination is no longer spreading.

Those conducting the cleanup need to know whether natural attenuation, or any proposed remedy, will reduce the contaminant concentrations in the soil and groundwater to legally acceptable limits within a reasonable period of time.

Natural attenuation may be an acceptable option for sites where active remediation has occurred and has reduced the concentration of contaminants (for instance, removing leaking underground tanks and contaminated soil).

However, natural attenuation is not an appropriate option at all sites. If the contamination has affected a drinking water well, or has entered a stream or lake, active cleanup options may be necessary to make sure people and the environment are protected from direct contact with the contamination.

The speed or rate of natural attenuation processes is typically slow. Monitoring is necessary to show that concentrations decrease at a sufficient rate to ensure that contaminants will not become a health threat in the future.

Closure Of Contaminated Sites Using Natural Attenuation As A Final Remedy

When contamination is discovered at a property (such as a gas station with leaking underground tanks), the person who is responsible for causing the contamination, and persons having possession or control of hazardous substances that have been discharged, have the responsibility to remove the source of contamination and investigate and clean up the contamination that has escaped into the soil and groundwater.

The contaminant release must be reported to the Wisconsin Department of Natural Resources (DNR) and the site investigation and cleanup are overseen by a state agency. Depending on the type of contaminant, the oversight agency could be the Department of Agriculture, Trade and Consumer Protection or Department of Natural Resources.

When the cleanup has complied with state standards, the person responsible for the contamination will ask the state agency for closure of the case. If natural attenuation is relied upon to finish cleaning up a contaminated property after closure, the responsible person will need to show that contaminant concentrations are not spreading, that contaminant concentrations are stable or decreasing, and that the concentrations will decrease in the future until state groundwater standards are met.

Because natural attenuation processes are slow, it may take many years before the properties with contamination are clean. State rules require that all owners of properties where groundwater contamination has spread must be informed of the contamination below their property.

In addition, the properties with groundwater contamination exceeding state groundwater enforcement standards must be listed on a database to notify future owners and developers of the presence of contamination. If future monitoring occurs and shows that natural attenuation processes have removed the contaminants to state-required cleanup levels, then the properties can be removed from the database.

The state agency will grant closure if the site investigation and monitoring shows that natural attenuation will clean up groundwater to state standards within a reasonable period of time. All state rules for cleanup must be met and the person who is responsible for the contamination must comply with all conditions of the state's closure approval.

Publications

The following publications provide additional information on natural attenuation. Websites where these can be downloaded free of charge are also listed.

- *A Citizen's Guide to Bioremediation*, September 2012, EPA 542-F-12-003; https://www.epa.gov/sites/production/files/2015-04/documents/a_citizens_guide_to_bioremediation.pdf
- *Commonly Asked Questions Regarding the Use of Natural Attenuation for Petroleum-Contaminated Sites at Federal Facilities*, www.clu-in.org/download/techfocus/na/na-petrol.pdf
- *Monitored Natural Attenuation of Petroleum Hydrocarbons: U.S. EPA Remedial Technology Fact Sheet*, May 1999, EPA 600-F-98-021; www.clu-in.org/download/remed/pet-hyd.pdf
- *Monitored Natural Attenuation of Chlorinated Solvents*, May 1999, EPA 600-F-98-0022; www.clu-in.org/download/remed/chl-solv.pdf
- *Guidance on Natural Attenuation for Petroleum Releases, WI DNR, Bureau for Remediation and Redevelopment*, March 2003, PUB-RR-614; dnr.wi.gov/files/PDF/pubs/rr/RR614.pdf

Contact Information

If you have questions about natural attenuation contact a DNR Environmental Program Associate (EPA) in your local DNR regional office. The EPA can direct you to a project manager.



Note: These are the Remediation and Redevelopment Program's designated regions. Other DNR program regional boundaries may be different.

This document is intended solely as guidance and does not contain any mandatory requirements except where requirements found in statute or administrative rule are referenced. This guidance does not establish or affect legal rights or obligations and is not finally determinative of any of the issues addressed. This guidance does not create any rights enforceable by any party in litigation with the State of Wisconsin or the Department of Natural Resources. Any regulatory decisions made by the Department of Natural Resources in any matter addressed by this guidance will be made by applying the governing statutes and administrative rules to the relevant facts.



Remediation and Redevelopment Program

June 2017

Continuing Obligations for Environmental Protection Responsibilities of Wisconsin Property Owners Wis. Stat. § 292.12

Purpose

This fact sheet is intended to help property owners understand their legal requirements under s. 292.12, Wis. Stats., regarding continuing obligations that arise due to the environmental condition of their property.

Introduction

The term “continuing obligations” refers to certain actions for which property owners are responsible following a completed environmental cleanup. They are sometimes called environmental land use controls or institutional controls. These legal obligations, such as a requirement to maintain pavement over contaminated soil, are most often found in a cleanup approval letter from the state.

Less commonly, a continuing obligation may apply where a cleanup is not yet completed but a cleanup plan has been approved, or at a property owned by a local government that is exempt from certain cleanup requirements.

What Are Continuing Obligations?

Continuing obligations are legal requirements designed to protect public health and the environment in regard to contamination that remains on a property.

Continuing obligations still apply after a property is sold. Each new owner is responsible for complying with the continuing obligations.

Background

Wisconsin, like most states, allows some contamination to remain after cleanup of soil or groundwater contamination (residual contamination). This minimizes the transportation of contamination and reduces cleanup costs while still ensuring that public health and the environment are protected.

The Department of Natural Resources (DNR), through its Remediation and Redevelopment (RR) Program, places sites or properties with residual contamination on a public database in order to provide notice to interested parties about the residual contamination and any associated continuing obligations. Please see the “Public Information” section on page 3 to learn more about the database. (Prior to June 3, 2006, the state used deed restrictions recorded at county courthouses to establish continuing obligations, and those deed restrictions have also been added into the database.)

Types of Continuing Obligations

1. Manage Contaminated Soil that is Excavated

If the property owner intends to dig up an area with contaminated soil, the owner must ensure that proper soil sampling, followed by appropriate treatment or disposal, takes place. Managing contaminated soil must be done in compliance with state law and is usually done under the guidance of a private environmental professional.

2. Manage Construction of Water Supply Wells

If there is soil or groundwater contamination and the property owner plans to construct or reconstruct a water supply well, the owner must obtain prior DNR approval to ensure that well construction is designed to protect the water supply from contamination.

Other Types of Continuing Obligations

Some continuing obligations are designed specifically for conditions on individual properties. Examples include:

- keeping clean soil and vegetation over contaminated soil;
- keeping an asphalt “cover” over contaminated soil or groundwater;
- maintaining a vapor venting system; and
- notifying the state if a structural impediment (e.g. building) that restricted the cleanup is removed. The owner may then need to conduct additional state-approved environmental work.

It is common for properties with approved cleanups to have continuing obligations because the DNR generally does not require removal of all contamination.

Property owners with the types of continuing obligations described above will find these requirements described in the state’s cleanup approval letter or cleanup plan approval, and *must*:

- comply with these property-specific requirements; and
- obtain the state’s permission before changing portions of the property where these requirements apply.

The requirements apply whether or not the person owned the property at the time that the continuing obligations were placed on the property.

Changing a Continuing Obligation

A property owner has the option to modify a continuing obligation if environmental conditions change. For example, petroleum contamination can degrade over time and property owners may collect new samples showing that residual contamination is gone. They may then request that the DNR modify or remove a continuing obligation. Fees are required for the DNR’s review of this request and for processing the change to the database (\$1050 review fee, \$300/\$350 database fee). Fees are subject to change; current fees are found in Wis. Admin. § NR 749 online at http://docs.legis.wisconsin.gov/code/admin_code/nr/700/749.

Public Information

The DNR provides public information about continuing obligations on the Internet. This information helps property owners, purchasers, lessees and lenders understand legal requirements that apply to a property. The DNR has a comprehensive database of contaminated and cleaned up sites, *BRRTS on the Web*. This database shows all contamination activities known to the DNR. Site specific documents are found under the *Documents* section. The information includes maps, deeds, contaminant data and the state’s closure letter. The closure letter states that no additional environmental cleanup is needed for past contamination and includes information on property-specific continuing obligations. If a cleanup has not been completed, the state’s approval of the remedial action plan will contain the information about

continuing obligations.

Properties with continuing obligations can generally be located in the DNR's *RR Sites Map*. RR Sites Map provides a map view of contaminated and cleaned up sites, including sites with continuing obligations, and links to BRRTS on the Web. *BRRTS on the Web* and *RR Sites Map* are part of the Wisconsin Remediation and Redevelopment Database (WRRD) at <http://dnr.wi.gov/topic/Brownfields/wrrd.html>.

If a completed cleanup is shown in *BRRTS on the Web* but the site documents cannot be found in the documents section, the DNR's closure letter can still be obtained from a regional office. For assistance, please contact a DNR Environmental Program Associate (see the RR Program's Staff Contact web page at dnr.wi.gov/topic/Brownfields/Contact.html).

Off-Site Contamination: When Continuing Obligations Cross the Property Line

An off-site property owner is someone who owns property that has been affected by contamination that moved through soil, sediment or groundwater from another property. Wis. Stat. § 292.13 provides an exemption from environmental cleanup requirements for owners of "off-site" properties. The DNR will generally not ask off-site property owners to investigate or clean up contamination that came from a different property, as long as the property owner allows access to his or her property so that others who are responsible for the contamination may complete the cleanup.

However, off-site property owners are legally obligated to comply with continuing obligations on their property, even though they did not cause the contamination. For example, if the state approved a cleanup where the person responsible for the contamination placed clean soil over contamination on an off-site property, the owner of the off-site property must either keep that soil in place or obtain state approval before disturbing it.

Property owners and others should check the *Public Information* section above if they need to:

- determine whether and where continuing obligations exist on a property;
- review the inspection, maintenance and reporting requirements, and
- contact the DNR regarding changing that portion of the property. The person to contact is the person that approved the closure or remedial action plan.

Option for an Off-Site Liability Exemption Letter

In general, owners of off-site properties have a legal exemption from environmental cleanup requirements. This exemption does not require a state approval letter. Nonetheless, they may request a property-specific liability exemption letter from the DNR if they have enough information to show that the source of the contamination is not on their property. This letter may be helpful in real estate transactions. The fee for this letter is \$700 under Chapter NR 749, Wis. Adm. Code. For more information about this option, please see the RR Program's Liability web page at dnr.wi.gov/topic/Brownfields/Liability.html.

Legal Obligations of Off-Site Property Owners

- Allow access so the person cleaning up the contamination may work on the off-site property (unless the off-site owner completes the cleanup independently).
- Comply with any required continuing obligations on the off-site property.

Required Notifications to Off-Site Property Owners

1. The person responsible for cleaning up contamination must notify affected property owners of any proposed continuing obligations on their off-site property **before** asking the DNR to approve the cleanup. This is required by law and allows the off-site owners to provide the DNR with any technical information that may be relevant to the cleanup approval.

When circumstances are appropriate, an off-site neighbor and the person responsible for the cleanup may enter into a “legally enforceable agreement” (i.e. a contract). Under this type of private agreement, the person responsible for the contamination may also take responsibility for maintaining a continuing obligation on an off-site property. This agreement would not automatically transfer to future owners of the off-site property. The state is not a party to the agreement and cannot enforce it.

2. If a cleanup proposal that includes off-site continuing obligations is approved, the DNR will send a letter to the off-site owners detailing the continuing obligations that are required for their property. Property owners should inform anyone interested in buying their property about maintaining these continuing obligations. For residential property, this would be part of the real estate disclosure obligation.

More Information

For more information, please visit the RR Program’s Continuing Obligations website at dnr.wi.gov/topic/Brownfields/Residual.html.

This document is intended solely as guidance and does not contain any mandatory requirements except where requirements found in statute or administrative rule are referenced. This guidance does not establish or affect legal rights or obligations and is not finally determinative of any of the issues addressed. This guidance does not create any rights enforceable by any party in litigation with the State of Wisconsin or the Department of Natural Resources. Any regulatory decisions made by the Department of Natural Resources in any matter addressed by this guidance will be made by applying the governing statutes and administrative rules to the relevant facts.

The Wisconsin Department of Natural Resources provides equal opportunity in its employment, programs, services, and functions under an Affirmative Action Plan. If you have any questions, please write to Chief, Public Civil Rights, Office of Civil Rights, U.S. Department of the Interior, 1849 C. Street, NW, Washington, D.C. 20240.

This publication is available in alternative format (large print, Braille, etc.) upon request. Please call for more information. Note: If you need technical assistance or more information, call the Accessibility Coordinator at 608-267-7490 / TTY Access via relay - 711

FORMER GAS STATION
AND CLOSED LUST SITE
MARY'S PLACE
BRRTS # 03-59-177843
101 W MAIN STREET

REMOVED
LUSTS

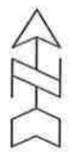
MW-3R
FHR PUMP ISLAND

N ALMON STREET
(CTH A)

RESIDENCE
101 E MAIN STREET

W MAIN STREET (CTH D)

E MAIN STREET

| | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| <p>B.3.b. GROUNDWATER ISOCONCENTRATION (2/11/2020)</p> <p>A TO Z SALES & SERVICE</p> | |  |
|  <p>709 Gillette St, Suite 3 La Crosse, WI 54603 Tel: (608) 781-8879 Fax: (608) 781-8893</p> | <p>BOWLER, WISCONSIN</p> <p>DRAWN BY: ED DATE: 12/20/16 MODIFIED BY: HH DATE: 6/3/17 MODIFIED BY: ED DATE: 5/12/20</p> | |

NOTE: INFORMATION BASED ON AVAILABLE
DATA ACTUAL CONDITIONS MAY DIFFER



- PROPERTY BOUNDARY
- WATER LINE
- SANITARY SEWER LINE
- STORM SEWER LINE
- FIBER OPTIC LINE
- TELEPHONE/CABLE LINE
- BURIED ELECTRICAL
- OVERHEAD UTILITIES
- NATURAL GAS LINE

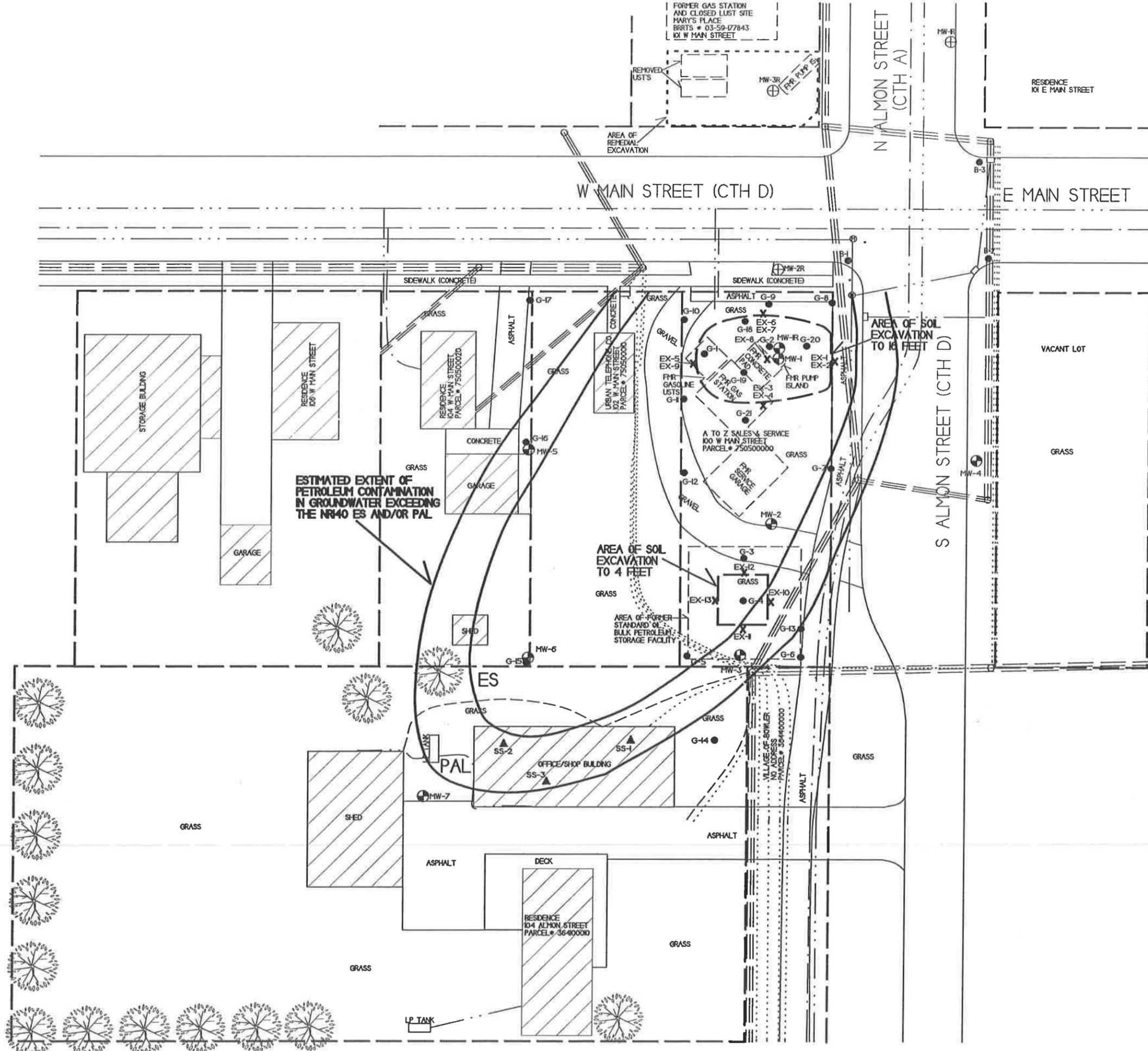
- - UTILITY POLE
- ⊕ - MANHOLE
- - SOIL BORING LOCATION (DOT PHASE 2)
- ⊕ - FORMER MONITORING WELL LOCATION - MARY'S PLACE
- - GEOPROBE BORING LOCATION
- ⊕ - MONITORING WELL LOCATION
- ⊕ - ABANDONED MONITORING WELL LOCATION
- ✕ - EXCAVATION CONFIRMATION SAMPLE LOCATION
- ▲ - SUB SLAB VAPOR SAMPLE LOCATION

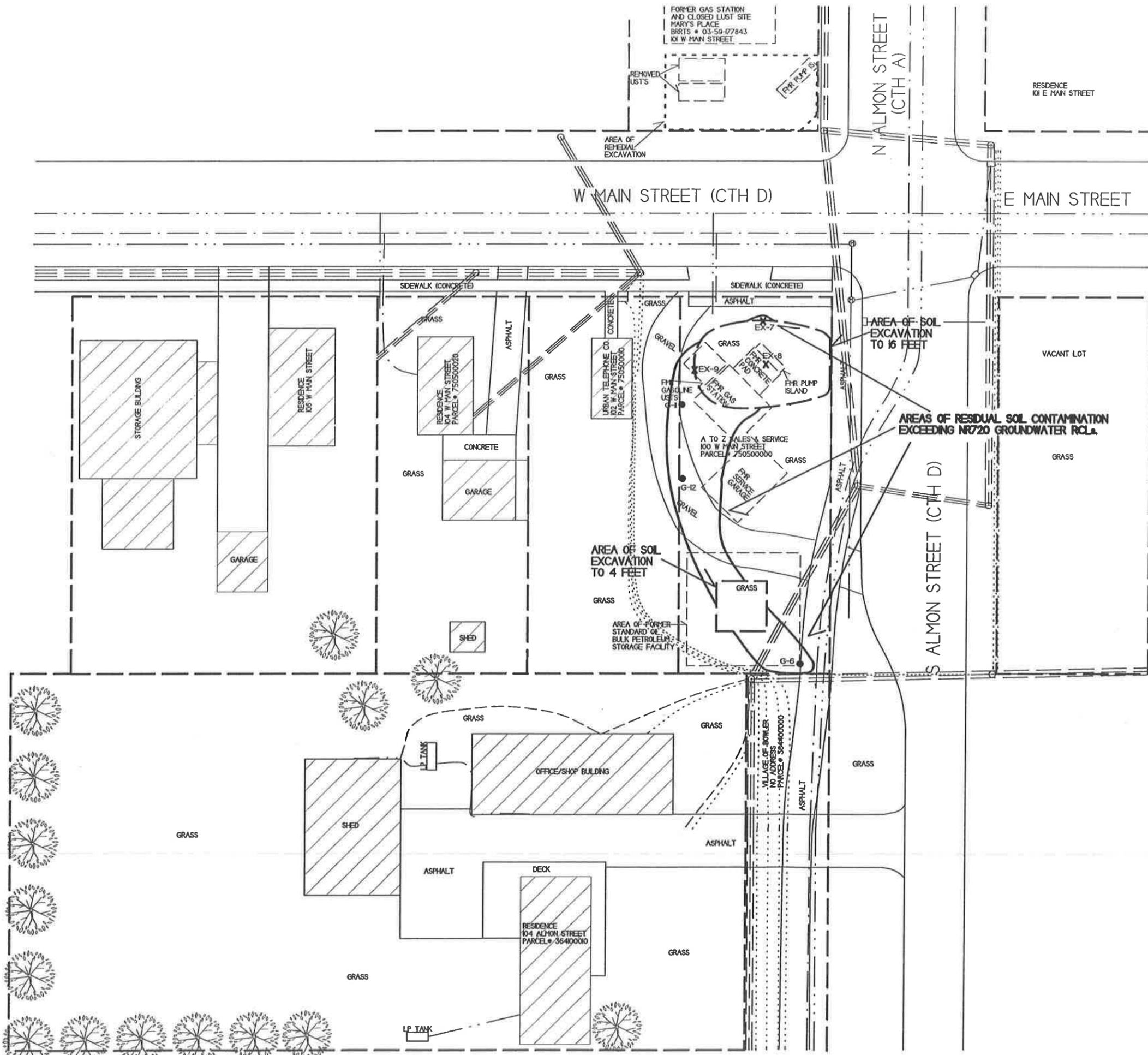
ESTIMATED EXTENT OF
PETROLEUM CONTAMINATION
IN GROUNDWATER EXCEEDING
THE NR40 ES AND/OR PAL

AREA OF SOIL
EXCAVATION
TO 4 FEET

AREA OF SOIL
EXCAVATION
TO 16 FEET

AREA OF FORMER
STANDARD OIL
BULK PETROLEUM
STORAGE FACILITY

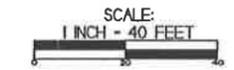




**B.2.b. RESIDUAL
SOIL CONTAMINATION
A TO Z SALES & SERVICE**

| | |
|---------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| <small>709 Gillette St, Suite 3 La Crosse, WI 54603 Tel: (608) 781-8879 Fax: (608) 781-8893</small> | BOWLER, WISCONSIN |
| | DRAWN BY: ED DATE: 12/20/16 MODIFIED BY: MH DATE: 6/21/17 MODIFIED BY: ED DATE: 5/12/20 |

NOTE: INFORMATION BASED ON AVAILABLE DATA ACTUAL CONDITIONS MAY DIFFER



- PROPERTY BOUNDARY
- WATER LINE
- SANITARY SEWER LINE
- STORM SEWER LINE
- FIBER OPTIC LINE
- TELEPHONE/CABLE LINE
- BURIED ELECTRICAL
- OVER-HEAD UTILITIES
- NATURAL GAS LINE

- - UTILITY POLE
- ⊕ - MAN-HOLE
- - SOIL BORING LOCATION (DOT PHASE 2)
- ⊕ - FORMER MONITORING WELL LOCATION - MARY'S PLACE
- - GEOPROBE BORING LOCATION
- ⊕ - MONITORING WELL LOCATION
- ⊕ - ABANDONED MONITORING WELL LOCATION
- ✕ - EXCAVATION CONFIRMATION SAMPLE LOCATION
- ▲ - SUB SLAB VAPOR SAMPLE LOCATION

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

Frontier Communications
 401 Merritt 7
 Norwalk, CT 06851



9590 9403 0958 5223 6400 07

2 Article Number (Transfer from service label)

7013 0600 0000 9414 4922

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X FRONTIER COMMUNICATIONS Agent Addres

B. Received by (Printed Name)
 401 MERRITT 7

C. Date of Deliv.

NORWALK, CONNECTICUT 06851

D. Is delivery address different from item 1? Yes
 If YES, enter delivery address below: No

3. Service Type

- Adult Signature
- Adult Signature Restricted Delivery
- Certified Mail®
- Certified Mail Restricted Delivery
- Collect on Delivery
- Collect on Delivery Restricted Delivery
- Insured Mail
- Insured Mail Restricted Delivery (over \$500)
- Priority Mail Express®
- Registered Mail™
- Registered Mail Restricted Delivery
- Return Receipt for Merchandise
- Signature Confirmation™
- Signature Confirmation Restricted Delivery

G. A. I. Deed

WARRANTY DEED.

STATE OF WISCONSIN—FORM No. 1

NUMBER

202744

This Indenture, Made this 8th day of November, A. D., 1942

between Eddie Schenk and Viola Schenk, his wife

Urban Telephone Company, Clintonville, Wisconsin parties of the first part, and
part Y of the second part.

WITNESSETH, That the said part 1st of the first part, for and in consideration of the sum of One Dollar and other good and valuable consideration to them in hand paid by the said part Y of the second part, the receipt whereof is hereby confessed and acknowledged, he, V. G. given, granted, bargained, sold, remise, released, aliened, conveyed and confirmed, and by these presents do give, grant, bargain, sell, remise, release, alien, convey and confirm unto the said part Y of the second part, its heirs and assigns forever, the following described real estate, situated in the County of Shawano, and State of Wisconsin, to-wit:

LOT TWO (2) BLOCK ONE (1) OF SCHENK'S PLAT OF THE VILLAGE OF BOWLER.

TOGETHER with all and singular the hereditaments and appurtenances thereunto belonging or in any wise appertaining; and all the estate, right, title, interest, claim or demand whatsoever, of the said part 1st of the first part, either in law or equity, either in possession or expectancy of, in and to the above bargained premises, and their hereditaments and appurtenances.

TO HAVE AND TO HOLD the said premises as above described with the hereditaments and appurtenances, unto the said part Y of the second part, and to its heirs and assigns FOREVER.

AND THE SAID Eddie Schenk and Viola Schenk, his wife for themselves, their heirs, executors and administrators, do covenant, grant, bargain and agree to and with the said part Y of the second part, its heirs and assigns, that at the time of the sealing and delivery of these presents they are well seized of the premises above described, as of a good, sure, perfect, absolute and indefeasible estate of inheritance in the law, in fee simple, and that the same are free and clear from all incumbrances whatever.

and that the above bargained premises in the quiet and peaceable possession of the said part Y of the second part, its heirs and assigns, against all and every person or persons lawfully claiming the whole or any part thereof, they will forever WARRANT AND DEFEND.

IN WITNESS WHEREOF, the said part 1st of the first part ha Shereunto set their hands and seal this 8th day of December, A. D., 1942

Signed and Sealed in Presence of
Milton W. Voelz }
Hiram H. Carley }
STATE OF WISCONSIN, }
Shawano County, } ss.

EDDIE SCHENK (SEAL)
VIOLA SCHENK (SEAL)
(SEAL)
(SEAL)

Personally came before me, this 8th day of December, A. D., 1942, the above named Eddie Schenk and Viola Schenk, his wife to me known to be the person s who executed the foregoing instrument and acknowledged the same.

Received for Record this 5th day of Jan, A. D., 1943, at 9 o'clock A. M.

Albert J. ...
Register of Deeds.
Deputy.



Milton W. Voelz
Notary Public, Shawano County, Wis.
My Commission expires April 21, A. D., 1946

G.A. 2. Certified Survey Map

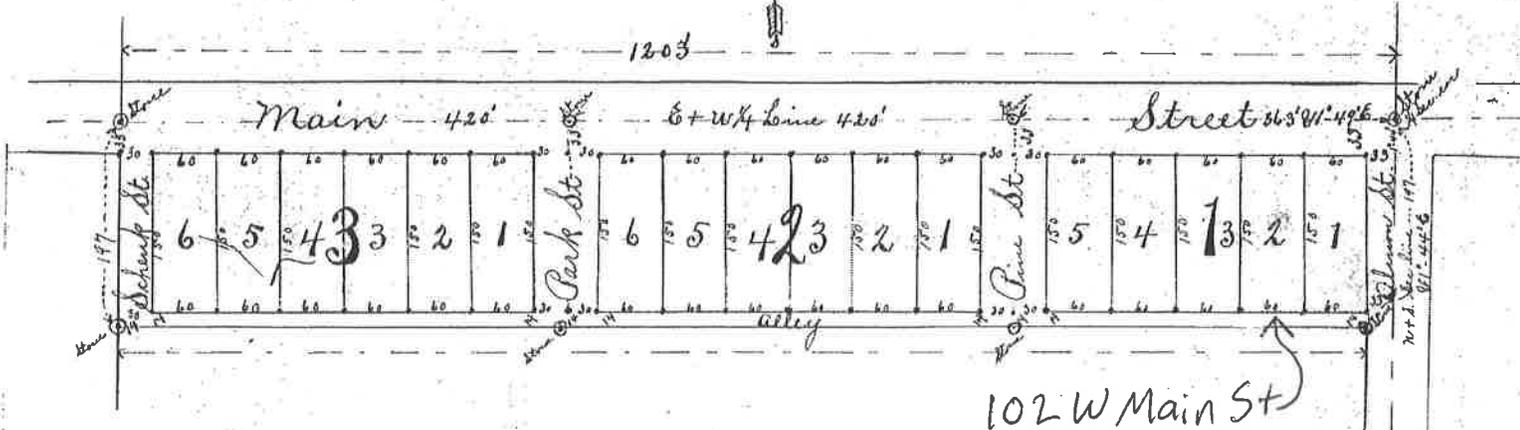
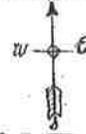
No. 74928

11

SCHENK'S PLAT OF ALMON

SHAWANO COUNTY WISCONSIN

SCALE: 1"=100'

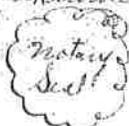


State of Wisconsin } ss. J. W. Melendy, County Surveyor, in and for the County and State aforesaid do hereby certify
 County of Shawano that I have surveyed and subdivided into Blocks, Lots, Streets and Alleys the following described
 tract of land to wit: The north one hundred and ninety seven (197) feet of the east twelve hundred and three (1203) feet of the
 north east quarter of the south east quarter of section no. thirty six (36) of township twenty eight (28) north, of range 12
 west (12) east in Shawano County and State of Wisconsin, as shown on the above plat and to be known as Schenk's
 Plat of Almon. That said survey and subdivision was made by direction of Chas. Schenk, the owner of the land
 so surveyed and platted. That the map above drawn is a correct representation of all the exterior boundaries of the
 land surveyed, and of the divisions therein made, and that in surveying, subdividing and mapping the same, I have
 fully complied with the provisions of Chapter one hundred and one (101) of the Wisconsin Statutes of 1898. Surveyed
 the 25th & 26th days of April and dated this 1st day of May, 1906.

J. W. Melendy
 County Surveyor
 By J. J. Melendy
 Deputy

State of Wisconsin } ss. I hereby certify that I caused the land described in the foregoing certificate of J. W. Melendy
 County of Shawano } Surveyor, to be surveyed and mapped as represented on the above map
 signed in the presence of
 George Smith
 G. Scherer Schlytter.

State of Wisconsin } ss. Personally came before me this second day of August, 1906 the above named
 County of Shawano } Chas. Schenk, to me known to be the person who executed the foregoing instrument
 and acknowledged the same.



G. Scherer Schlytter
 Notary Public Shawano Co. Wis
 Commission expires July 21, 1907

Register Office }
 Shawano Co. Wis } Recd for record Aug. 3, 1906 at 10 o'clock P.M.

P. F. Nolan Register

State of
 County of
 of the
 Thence
 99 ft. to S.
 76.57 30' i
 to plat
 plat in
 That can
 That can
 101 of the i

G.A.3. Verification of Zoning

Shawano County
Ascent Land Records Suite

Access Type: Choose Category:
Public Real estate property & tax

What do you want to do? Help
Assessments ?

[Browser Setup Help](#)

[Return to search results](#)

[Property Summary](#)

| | | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|---------------------------------------------------|--|
| Owner (s): URBAN TELEPHONE COMPANY, TAX EXEMPT | | Location: Section, Sect. 36, T28N, R13E | |
| Mailing Address: TAX EXEMPT URBAN TELEPHONE COMPANY 102 W MAIN STREET BOWLER, WI 54416-0000 | | School District: 0623 - BOWLER SCHOOL DISTRICT | |
| Tax Parcel ID Number: 750500010 | Tax District: 108-VILLAGE OF BOWLER | Status: Active | |
| Alternate Tax Parcel Number: | | Acres: 0.0000 | |
| Description - Comments (Please see Documents tab below for related documents. For a complete legal description, see recorded document.): VIL OF BOWLER SCHENK'S PLAT LOT 2 BLK 1 & N 7' OF VACATED ALLEY | | | |
| Site Address (es): (Site address may not be verified and could be incorrect. DO NOT use the site address in lieu of legal description.) 102 W MAIN ST BOWLER, WI 54416 | | | |

Select Detail -->

[Make Default Detail](#)

[Printer Friendly Page](#)

[View Interactive Map](#)

Tax Year:

Real Estate Assessments

| Code | Description | Acres | Land Value | Improvement Value | Total Value |
|--------|----------------------|-------|------------|-------------------|-------------|
| 4 | Exempt Other (Other) | 0 | \$0 | \$0 | \$0 |
| Total: | | 0.00 | \$0 | \$0 | \$0 |

Estimated Fair Market Value: - Average Assessment Ratio: 0.898076658 *MFL and PFC values are not included in the total.

Special Assessments

| Assessment | Amount |
|------------|--------|
|------------|--------|

[Log in](#)

[View Disclaimer](#)

[Database Versions](#)

© 2019 Transcendent Technologies

G.B.

**Notification of Continuing Obligations
and Residual Contamination**

Form 4400-286 (9/15)

C. I. Page

The affected property is:

- the source property (the source of the hazardous substance discharge), but the property is not owned by the person who conducted the cleanup (a deeded property)
- a deeded property affected by contamination from the source property
- a right-of-way (ROW)
- a Department of Transportation (DOT) ROW

Include this completed page as an attachment with all notifications provided under sections A and B.

Contact Information

Responsible Party: The person responsible for sending this form, and for conducting the environmental investigation and cleanup is:

Responsible Party Name Village of Bowler

| | | | | |
|--------------------------------------------|----------------|----------------|----------------------------------------------------|-------------------|
| Contact Person Last Name Breitrick | First Kerry | MI | Phone Number (include area code) (715) 793-4910 | |
| Address 107 W Main Street | | City Bowler | State WI | ZIP Code 54416 |
| E-mail <u>villageofbowler@frontier.com</u> | | | | |

Name of Party Receiving Notification:

Business Name, if applicable:

| | | | | | |
|------------------------------|----------------------|----------------|-------------|----------------------------------------------------|--|
| Title Ms. | Last Name Zeinert | First Patti | MI | Phone Number (include area code) (715) 793-4295 | |
| Address 104 W Main Street | | City Bowler | State WI | ZIP Code 54416 | |

Site Name and Source Property Information:Site (Activity) Name A to Z Sales & Service

| | | | | |
|-----------------------------------|--|----------------|-------------|-------------------|
| Address 100 W Main Street | | City Bowler | State WI | ZIP Code 54416 |
| DNR ID # (BRRTS#) 03-59-190963 | | (DATCP) ID # | | |

Contacts for Questions:

If you have any questions regarding the cleanup or about this notification, please contact the Responsible Party identified above, or contact:

Environmental Consultant: METCO

| | | | | |
|-----------------------------------------|--------------|-------------------|----------------------------------------------------|-------------------|
| Contact Person Last Name Anderson | First Ron | MI | Phone Number (include area code) (608) 781-8879 | |
| Address 709 Gillette Street, Suite 3 | | City La Crosse | State WI | ZIP Code 54603 |
| E-mail <u>rona@metcohq.com</u> | | | | |

Department Contact:

To review the Department's case file, or for questions on cleanups or closure requirements, contact:

Department of: Natural Resources (DNR)

| | | | | |
|-----------------------------------------------------------------------------|-----------------|-------------------|----------------------------------------------------|-------------------|
| Address 2984 Shawano Ave | | City Green Bay | State WI | ZIP Code 54313 |
| Contact Person Last Name James | First Andrew | MI | Phone Number (include area code) (920) 662-5149 | |
| E-mail (Firstname.Lastname@wisconsin.gov) <u>Andrew.James@wisconsin.gov</u> | | | | |

Section A: Deeded Property Notification: Residual Contamination and/or Continuing Obligations

KEEP THIS DOCUMENT WITH YOUR PROPERTY RECORDS

104 W Main Street
Bowler, WI, 54416

Dear Ms. Zeinert:

I am providing this letter to inform you of the location and extent of contamination remaining on your property, and of certain long-term responsibilities (continuing obligations) for which you may become responsible. I have investigated a release of:

Gasoline

on 100 W Main Street, Bowler, WI, 54416 that has shown that contamination has migrated onto your property. I have responded to the release and will be requesting that the Department of Natural Resources (DNR) grant case closure. Closure means that the DNR will not be requiring any further investigation or cleanup action to be taken. However, continuing obligations may be imposed as a condition of closure approval.

You have 30 days to comment on the attached legal description of your property and on the proposed closure request:

Please review the enclosed legal description of your property, and notify Ron Anderson at 709 Gillette Street, Suite 3, La Crosse, WI, 54603 within the next 30 days if the legal description is incorrect.

The DNR will not review my closure request for at least 30 days after the date of receipt of this letter. As an affected property owner, you have a right to contact the DNR to provide any technical information that you may have that indicates that closure should not be granted for this site. If you would like to submit any information that is relevant to this closure request, or if you want to waive the 30 day comment period, you should mail that information to the DNR contact: 2984 Shawano Ave, Green Bay, WI, 54313, or at Andrew.James@wisconsin.gov.

Your Long-Term Responsibilities as a Property Owner and Occupant:

The responses included

Excavation of 1,078 tons of petroleum contaminated soil and groundwater monitoring.

The continuing obligations I am proposing that affect your property are listed below, under the heading **Continuing Obligations**. Under s. 292.12 (5), Wis. Stats., current and future owners and occupants of this property are responsible for complying with continuing obligations imposed as part of an approved closure.

The fact sheet "Continuing Obligations for Environmental Protection" (DNR publication RR 819) has been included with this letter, to help explain the responsibilities you may have for maintenance of a certain continuing obligation, the limits of any liability for investigation and cleanup of contamination, and how these differ. If the fact sheet is lost, you may obtain copies at <http://dnr.wi.gov/files/PDF/pubs/tr/RR819.pdf>.

Contract for responsibility for continuing obligation:

Before I request closure, I will need to inform the DNR as to whom will be responsible for the continuing obligation/s on your property.

[Indicate which party will be responsible for the continuing obligation(s) on the property, and whether an agreement/contract has been worked out between the RP and affected party.]

Under s. 292.12, Wis. Stats., the responsibility for maintaining all necessary continuing obligations for your property will fall on you or any subsequent property owner, unless another person has a legally enforceable responsibility to comply with the requirements of the final closure letter. If you need more time to finalize an agreement on the responsibility for the continuing obligations on your Property, you may request additional time from the DNR contact identified in **Contact Information**.

(Note: Future property owners would need to negotiate a new agreement.)

Groundwater Contamination:

Groundwater contamination originated at the property located at 100 W Main Street, Bowler, WI, 54416 .
Contaminated groundwater has migrated onto your property at:
104 W Main Street

The levels of

Benzene, Ethylbenzene, Naphthalene, Toluene, Trimethylbenzenes, and Xylene

contamination in the groundwater on your property are above the state groundwater enforcement standards found in ch. NR 140, Wis. Adm. Code.

However, the environmental consultants who have investigated this contamination have informed me that this groundwater contaminant plume is stable or receding and will naturally degrade over time. I believe that allowing natural attenuation, or the breakdown of contaminants in groundwater due to naturally occurring processes, to complete the cleanup at this site will meet the case closure requirements of ch. NR 726, Wis. Adm. Code. As part of my request for case closure, I am requesting that the DNR accept natural attenuation as the final remedy for this site.

The following DNR fact sheet (RR 671, "What Landowners Should Know: Information About Using Natural Attenuation to Clean Up Contaminated Groundwater") has been included with this notification, to help explain the use of natural attenuation as a remedy. If the fact sheet is lost, you may obtain a copy at <http://dnr.wi.gov/files/PDF/pubs/rr/RR671.pdf>.

Continuing Obligations on Your Property: As part of the cleanup, I am proposing that the following continuing obligations be used at your property, to address future exposure to residual contamination. If my closure request is approved, you will be responsible for the following continuing obligations.

To construct a new well or to reconstruct an existing well, the property owner at the time of construction or reconstruction will need to obtain prior approval from the DNR. See the paragraph **GIS Registry and Well Construction Requirements**. Typically, this results in casing off a portion of the aquifer during drilling, when needed, to protect the water supply.

Maintenance and Audits of Continuing Obligations:

If compliance with a maintenance plan is required as part of a continuing obligation, an inspection log will need to be filled out periodically, and kept available for inspection by the DNR. Submittal of the inspection log may also be required. You will also need to notify any future owners or occupants of this property of the need to maintain the continuing obligation and to document that maintenance in the inspection log. Periodic audits of these continuing obligations may be conducted by the DNR, to ensure that potential exposure to residual contamination is being addressed. The DNR provides notification before conducting site visits as part of the audit.

GIS Registry and Well Construction Requirements:

If this site is closed, all properties within the site boundaries where contamination remains, or where a continuing obligation is applied, will be listed on the Bureau for Remediation and Redevelopment Tracking System (BRRTS) on the Web, at <http://dnr.wi.gov/topic/Brownfields/clean.html>. Inclusion on this database provides public notice of remaining contamination and of any continuing obligations. Documents can be viewed on this database, and include final closure letters, site maps and any applicable maintenance plans. The location of the site may also be viewed on the Remediation and Redevelopment Sites Map (RR Sites Map), on the "GIS Registry" layer, at the same internet address listed above.

DNR approval prior to well construction or reconstruction is required for all sites included in the GIS Registry, in accordance with s. NR 812.09 (4) (w), Wis. Adm. Code. This requirement applies to private drinking water wells and high capacity wells. Special well construction standards may be necessary to protect the well from the remaining contamination. Well drillers need to first obtain approval from a regional water supply specialist in DNR's Drinking Water and Groundwater Program. The well construction application, form 3300-254, is on the internet at <http://dnr.wi.gov/topic/wells/documents/3300254.pdf>.

Site Closure:

If the DNR grants closure, you will receive a letter which defines the specific continuing obligations on your property. The status of the site (open or closed) may also be checked by searching BRRTS on the Web. You may view or download a copy of the closure letter (sent to the responsible party) from BRRTS on the Web. You may also request a copy of the closure letter from the **responsible party** or by writing to the DNR contact, at Andrew James, Andrew.James@wisconsin.gov, (920) 662-5149 . The final closure letter will contain a description of the continuing obligation, any prohibitions on activities and will include any applicable maintenance plan.

If you have any questions regarding this notification, I can be reached at: (608) 781-8879
rona@metcohq.com



Date Signed

5/14/20

Signature of responsible party/environmental consultant for the responsible party

Attachments

Contact Information

Legal Description for each Parcel:

Factsheets:

RR 819, Continuing Obligations for Environmental Protection

RR 671, What Landowners Should Know: Information About Using Natural Attenuation to Clean Up Contaminated Groundwater



Using Natural Attenuation to Clean Up Contaminated Groundwater: What Landowners Should Know

RR-671

December 2016

What Is Natural Attenuation?

Natural attenuation makes use of natural processes in soil and groundwater to contain the spread of contamination and to reduce the amount of contamination from chemical releases.

Natural attenuation is an *in-situ* treatment method. This means that contaminants are left in place while natural attenuation works on them. Natural attenuation is relied upon to clean up contamination that remains after the source of the contamination is removed. An example of a source of contamination would be a leaking underground petroleum tank.

How Does Natural Attenuation Work?

Natural attenuation processes work at many sites, but the rate and degree of effectiveness varies from property to property, depending upon the type of contaminants present and the physical, chemical and biological characteristics of the soil and groundwater.

Natural attenuation processes can be divided into two broad categories – destructive and non-destructive. Destructive processes destroy contaminants. The most common destructive process is **biodegradation**.

Non-destructive processes do not destroy the contaminant, but reduce contaminant concentrations in groundwater through **dilution, dispersion or adsorption**.

Biodegradation

Biodegradation is a process in which micro-organisms that naturally occur in soil and groundwater (e.g. yeast, fungi, or bacteria), break down, or degrade hazardous substances to less toxic or non-toxic substances. Microorganisms, like humans, eat and digest organic compounds for nutrition and energy (organic compounds contain carbon and hydrogen atoms).

Some types of microorganisms can digest organic substances such as fuels or solvents that are hazardous to humans. Microorganisms break down the organic contaminants into harmless products – mainly carbon dioxide and water. Once the contaminants are degraded, the microorganism populations decline because they have used their food sources. These small populations of microorganisms pose no contaminant or health risk.

Many organic contaminants, like petroleum, can be biodegraded by microorganisms in the underground environment. For example, biodegradation processes can effectively cleanse soil and groundwater of hydrocarbon fuels such as gasoline and benzene, toluene, ethylbenzene, and xylene – known as the BTEX compounds, under certain conditions.

Biodegradation can also breakdown other contaminants in groundwater such as trichloroethylene (TCE), a chlorinated solvent used in metal cleaning. However, the processes involved are harder to predict and are less effective at contaminant removal compared to petroleum-contaminated sites.



Wisconsin Department of Natural Resources
P.O. Box 7921, Madison, WI 53707
dnr.wi.gov, search "brownfield"



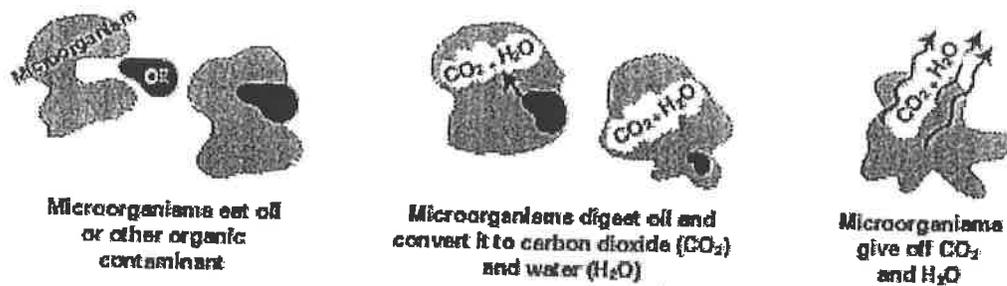


Figure 1. Schematic Diagram of Aerobic Biodegradation in Soil

Dilution and Dispersion

The effects of dilution and dispersion reduce contaminant concentrations but do not destroy contaminants. Clean water from the surface seeps underground to mix with and dilute contaminated groundwater.

Other processes that lead to reduced concentrations of contaminants include clean groundwater flowing into contaminated areas, and the dispersion of pollutants as they spread out and away from the main path of the contaminated plume.

Adsorption

Adsorption occurs when contaminants attach or “sorb” to underground particles. Most oily substances (like petroleum compounds) repel water and escape from the groundwater by attaching to organic matter and clay minerals in the subsurface.

This process holds back or retards contaminant movement and reduces the concentration of contaminants in the groundwater. However, like dilution and dispersion, adsorption does not destroy contaminants.

Why Consider Natural Attenuation To Clean Up Soil And Groundwater?

In certain situations, natural attenuation is an effective, inexpensive cleanup option and the most appropriate way to remediate some contamination problems. Natural attenuation focuses on confirming and monitoring natural remediation processes rather than relying on engineered or “active” technologies (such as pumping groundwater, treating it above ground, then disposing of the treated water).

Contaminants from petroleum are good candidates for natural attenuation because they are among the most easily destroyed by biodegradation. Natural attenuation is non-invasive, which allows treatment to go on below ground, while the surface can continue to be used.

Natural attenuation can also be less costly than active engineered treatment options, and requires no special equipment, energy source, or disposal of treated soil or groundwater.

Will Natural Attenuation Work At My Property?

Whether natural attenuation will work at a particular location is determined by investigating the soil and groundwater. These investigations determine the type of contaminants present, the levels of contamination, and the physical and chemical conditions that lead to biodegradation of the contaminants.

In order to rely on natural attenuation, responsible parties are required to confirm that natural attenuation processes are working by monitoring the soil and groundwater over a period of time to show that the contaminant concentrations are decreasing and that the contamination is no longer spreading.

Those conducting the cleanup need to know whether natural attenuation, or any proposed remedy, will reduce the contaminant concentrations in the soil and groundwater to legally acceptable limits within a reasonable period of time.

Natural attenuation may be an acceptable option for sites where active remediation has occurred and has reduced the concentration of contaminants (for instance, removing leaking underground tanks and contaminated soil).

However, natural attenuation is not an appropriate option at all sites. If the contamination has affected a drinking water well, or has entered a stream or lake, active cleanup options may be necessary to make sure people and the environment are protected from direct contact with the contamination.

The speed or rate of natural attenuation processes is typically slow. Monitoring is necessary to show that concentrations decrease at a sufficient rate to ensure that contaminants will not become a health threat in the future.

Closure Of Contaminated Sites Using Natural Attenuation As A Final Remedy

When contamination is discovered at a property (such as a gas station with leaking underground tanks), the person who is responsible for causing the contamination, and persons having possession or control of hazardous substances that have been discharged, have the responsibility to remove the source of contamination and investigate and clean up the contamination that has escaped into the soil and groundwater.

The contaminant release must be reported to the Wisconsin Department of Natural Resources (DNR) and the site investigation and cleanup are overseen by a state agency. Depending on the type of contaminant, the oversight agency could be the Department of Agriculture, Trade and Consumer Protection or Department of Natural Resources.

When the cleanup has complied with state standards, the person responsible for the contamination will ask the state agency for closure of the case. If natural attenuation is relied upon to finish cleaning up a contaminated property after closure, the responsible person will need to show that contaminant concentrations are not spreading, that contaminant concentrations are stable or decreasing, and that the concentrations will decrease in the future until state groundwater standards are met.

Because natural attenuation processes are slow, it may take many years before the properties with contamination are clean. State rules require that all owners of properties where groundwater contamination has spread must be informed of the contamination below their property.

In addition, the properties with groundwater contamination exceeding state groundwater enforcement standards must be listed on a database to notify future owners and developers of the presence of contamination. If future monitoring occurs and shows that natural attenuation processes have removed the contaminants to state-required cleanup levels, then the properties can be removed from the database.

The state agency will grant closure if the site investigation and monitoring shows that natural attenuation will clean up groundwater to state standards within a reasonable period of time. All state rules for cleanup must be met and the person who is responsible for the contamination must comply with all conditions of the state's closure approval.

Publications

The following publications provide additional information on natural attenuation. Websites where these can be downloaded free of charge are also listed.

- *A Citizen's Guide to Bioremediation*, September 2012, EPA 542-F-12-003; https://www.epa.gov/sites/production/files/2015-04/documents/a_citizens_guide_to_bioremediation.pdf
- *Commonly Asked Questions Regarding the Use of Natural Attenuation for Petroleum-Contaminated Sites at Federal Facilities*, www.clu-in.org/download/techfocus/na/na-petrol.pdf
- *Monitored Natural Attenuation of Petroleum Hydrocarbons: U.S. EPA Remedial Technology Fact Sheet*, May 1999, EPA 600-F-98-021; www.clu-in.org/download/remed/pet-hyd.pdf
- *Monitored Natural Attenuation of Chlorinated Solvents*, May 1999, EPA 600-F-98-0022; www.clu-in.org/download/remed/chl-solv.pdf
- *Guidance on Natural Attenuation for Petroleum Releases*, WI DNR, Bureau for Remediation and Redevelopment, March 2003, PUB-RR-614; dnr.wi.gov/files/PDF/pubs/rr/RR614.pdf

Contact Information

If you have questions about natural attenuation contact a [DNR Environmental Program Associate \(EPA\)](#) in your local DNR regional office. The EPA can direct you to a project manager.



Note: These are the Remediation and Redevelopment Program's designated regions. Other DNR program regional boundaries may be different.

This document is intended solely as guidance and does not contain any mandatory requirements except where requirements found in statute or administrative rule are referenced. This guidance does not establish or affect legal rights or obligations and is not finally determinative of any of the issues addressed. This guidance does not create any rights enforceable by any party in litigation with the State of Wisconsin or the Department of Natural Resources. Any regulatory decisions made by the Department of Natural Resources in any matter addressed by this guidance will be made by applying the governing statutes and administrative rules to the relevant facts.



Remediation and Redevelopment Program

June 2017

Continuing Obligations for Environmental Protection Responsibilities of Wisconsin Property Owners Wis. Stat. § 292.12

Purpose

This fact sheet is intended to help property owners understand their legal requirements under s. 292.12, Wis. Stats., regarding continuing obligations that arise due to the environmental condition of their property.

Introduction

The term “continuing obligations” refers to certain actions for which property owners are responsible following a completed environmental cleanup. They are sometimes called environmental land use controls or institutional controls. These legal obligations, such as a requirement to maintain pavement over contaminated soil, are most often found in a cleanup approval letter from the state.

Less commonly, a continuing obligation may apply where a cleanup is not yet completed but a cleanup plan has been approved, or at a property owned by a local government that is exempt from certain cleanup requirements.

What Are Continuing Obligations?

Continuing obligations are legal requirements designed to protect public health and the environment in regard to contamination that remains on a property.

Continuing obligations still apply after a property is sold. Each new owner is responsible for complying with the continuing obligations.

Background

Wisconsin, like most states, allows some contamination to remain after cleanup of soil or groundwater contamination (residual contamination). This minimizes the transportation of contamination and reduces cleanup costs while still ensuring that public health and the environment are protected.

The Department of Natural Resources (DNR), through its Remediation and Redevelopment (RR) Program, places sites or properties with residual contamination on a public database in order to provide notice to interested parties about the residual contamination and any associated continuing obligations. Please see the “Public Information” section on page 3 to learn more about the database. (Prior to June 3, 2006, the state used deed restrictions recorded at county courthouses to establish continuing obligations, and those deed restrictions have also been added into the database.)

Types of Continuing Obligations

1. Manage Contaminated Soil that is Excavated

If the property owner intends to dig up an area with contaminated soil, the owner must ensure that proper soil sampling, followed by appropriate treatment or disposal, takes place. Managing contaminated soil must be done in compliance with state law and is usually done under the guidance of a private environmental professional.

2. Manage Construction of Water Supply Wells

If there is soil or groundwater contamination and the property owner plans to construct or reconstruct a water supply well, the owner must obtain prior DNR approval to ensure that well construction is designed to protect the water supply from contamination.

Other Types of Continuing Obligations

Some continuing obligations are designed specifically for conditions on individual properties. Examples include:

- keeping clean soil and vegetation over contaminated soil;
- keeping an asphalt "cover" over contaminated soil or groundwater;
- maintaining a vapor venting system; and
- notifying the state if a structural impediment (e.g. building) that restricted the cleanup is removed. The owner may then need to conduct additional state-approved environmental work.

It is common for properties with approved cleanups to have continuing obligations because the DNR generally does not require removal of all contamination.

Property owners with the types of continuing obligations described above will find these requirements described in the state's cleanup approval letter or cleanup plan approval, and *must*:

- comply with these property-specific requirements; and
- obtain the state's permission before changing portions of the property where these requirements apply.

The requirements apply whether or not the person owned the property at the time that the continuing obligations were placed on the property.

Changing a Continuing Obligation

A property owner has the option to modify a continuing obligation if environmental conditions change. For example, petroleum contamination can degrade over time and property owners may collect new samples showing that residual contamination is gone. They may then request that the DNR modify or remove a continuing obligation. Fees are required for the DNR's review of this request and for processing the change to the database (\$1050 review fee, \$300/\$350 database fee). Fees are subject to change; current fees are found in Wis. Admin. § NR 749 online at http://docs.legis.wisconsin.gov/code/admin_code/nr/700/749.

Public Information

The DNR provides public information about continuing obligations on the Internet. This information helps property owners, purchasers, lessees and lenders understand legal requirements that apply to a property. The DNR has a comprehensive database of contaminated and cleaned up sites, *BRRTS on the Web*. This database shows all contamination activities known to the DNR. Site specific documents are found under the *Documents* section. The information includes maps, deeds, contaminant data and the state's closure letter. The closure letter states that no additional environmental cleanup is needed for past contamination and includes information on property-specific continuing obligations. If a cleanup has not been completed, the state's approval of the remedial action plan will contain the information about

continuing obligations.

Properties with continuing obligations can generally be located in the DNR's *RR Sites Map*. RR Sites Map provides a map view of contaminated and cleaned up sites, including sites with continuing obligations, and links to BRRTS on the Web. *BRRTS on the Web* and *RR Sites Map* are part of the Wisconsin Remediation and Redevelopment Database (WRRD) at <http://dnr.wi.gov/topic/Brownfields/wrrd.html>.

If a completed cleanup is shown in *BRRTS on the Web* but the site documents cannot be found in the documents section, the DNR's closure letter can still be obtained from a regional office. For assistance, please contact a DNR Environmental Program Associate (see the RR Program's Staff Contact web page at dnr.wi.gov/topic/Brownfields/Contact.html).

Off-Site Contamination: When Continuing Obligations Cross the Property Line

An off-site property owner is someone who owns property that has been affected by contamination that moved through soil, sediment or groundwater from another property. Wis. Stat. § 292.13 provides an exemption from environmental cleanup requirements for owners of "off-site" properties. The DNR will generally not ask off-site property owners to investigate or clean up contamination that came from a different property, as long as the property owner allows access to his or her property so that others who are responsible for the contamination may complete the cleanup.

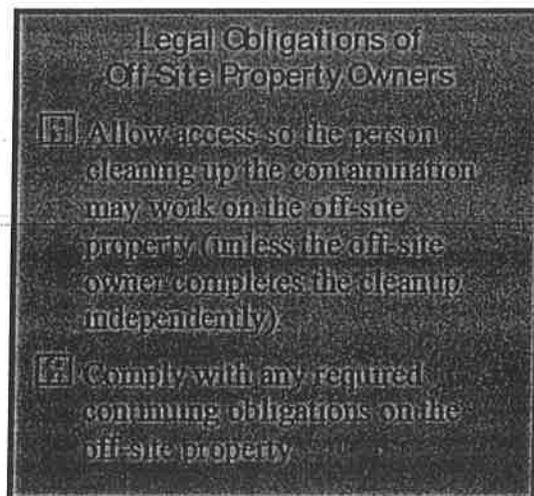
However, off-site property owners are legally obligated to comply with continuing obligations on their property, even though they did not cause the contamination. For example, if the state approved a cleanup where the person responsible for the contamination placed clean soil over contamination on an off-site property, the owner of the off-site property must either keep that soil in place or obtain state approval before disturbing it.

Property owners and others should check the *Public Information* section above if they need to:

- determine whether and where continuing obligations exist on a property;
- review the inspection, maintenance and reporting requirements, and
- contact the DNR regarding changing that portion of the property. The person to contact is the person that approved the closure or remedial action plan.

Option for an Off-Site Liability Exemption Letter

In general, owners of off-site properties have a legal exemption from environmental cleanup requirements. This exemption does not require a state approval letter. Nonetheless, they may request a property-specific liability exemption letter from the DNR if they have enough information to show that the source of the contamination is not on their property. This letter may be helpful in real estate transactions. The fee for this letter is \$700 under Chapter NR 749, Wis. Adm. Code. For more information about this option, please see the RR Program's Liability web page at dnr.wi.gov/topic/Brownfields/Liability.html.



Required Notifications to Off-Site Property Owners

1. The person responsible for cleaning up contamination must notify affected property owners of any proposed continuing obligations on their off-site property **before** asking the DNR to approve the cleanup. This is required by law and allows the off-site owners to provide the DNR with any technical information that may be relevant to the cleanup approval.

When circumstances are appropriate, an off-site neighbor and the person responsible for the cleanup may enter into a "legally enforceable agreement" (i.e. a contract). Under this type of private agreement, the person responsible for the contamination may also take responsibility for maintaining a continuing obligation on an off-site property. This agreement would not automatically transfer to future owners of the off-site property. The state is not a party to the agreement and cannot enforce it.

2. If a cleanup proposal that includes off-site continuing obligations is approved, the DNR will send a letter to the off-site owners detailing the continuing obligations that are required for their property. Property owners should inform anyone interested in buying their property about maintaining these continuing obligations. For residential property, this would be part of the real estate disclosure obligation.

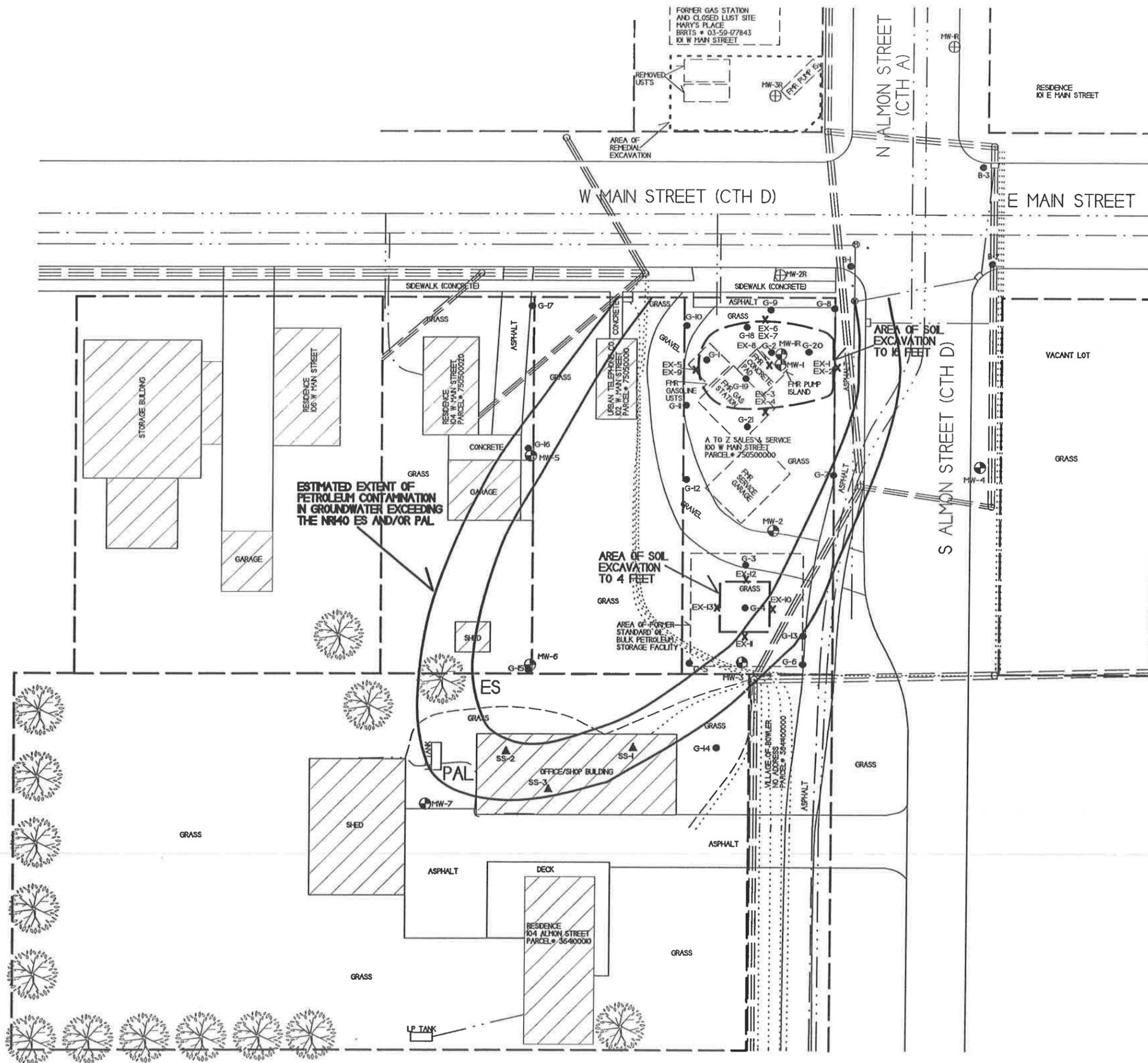
More Information

For more information, please visit the RR Program's Continuing Obligations website at dnr.wi.gov/topic/Brownfields/Residual.html.

This document is intended solely as guidance and does not contain any mandatory requirements except where requirements found in statute or administrative rule are referenced. This guidance does not establish or affect legal rights or obligations and is not finally determinative of any of the issues addressed. This guidance does not create any rights enforceable by any party in litigation with the State of Wisconsin or the Department of Natural Resources. Any regulatory decisions made by the Department of Natural Resources in any matter addressed by this guidance will be made by applying the governing statutes and administrative rules to the relevant facts.

The Wisconsin Department of Natural Resources provides equal opportunity in its employment, programs, services, and functions under an Affirmative Action Plan. If you have any questions, please write to Chief, Public Civil Rights, Office of Civil Rights, U.S. Department of the Interior, 1849 C. Street, NW, Washington, D.C. 20240.

This publication is available in alternative format (large print, Braille, etc.) upon request. Please call for more information. Note: If you need technical assistance or more information, call the Accessibility Coordinator at 608-267-7490 / TTY Access via relay - 711



B.3.b. GROUNDWATER ISOCONCENTRATION (2/11/2020)
A TO Z SALES & SERVICE



709 Gillette St, Suite 3
 La Crosse, WI 54603
 Tel: (608) 781-8879
 Fax: (608) 781-8893

BOWLER, WISCONSIN

DRAWN BY: ED DATE: 12/20/16
 MODIFIED BY: MH DATE: 6/2/17
 MODIFIED BY: ED DATE: 5/12/20



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

SCALE:
 1 INCH = 40 FEET

- PROPERTY BOUNDARY
- WATER LINE
- SANITARY SEWER LINE
- STORM SEWER LINE
- FIBER OPTIC LINE
- TELEPHONE/CABLE LINE
- BURIED ELECTRICAL
- OVERHEAD UTILITIES
- NATURAL GAS LINE

- - UTILITY POLE
- ⊕ - MANHOLE
- - SOL BORING LOCATION (DOT PHASE 2)
- ⊕ - FORMER MONITORING WELL LOCATION - MARY'S PLACE
- - GEOPROBE BORING LOCATION
- ⊕ - MONITORING WELL LOCATION
- ⊕ - ABANDONED MONITORING WELL LOCATION
- ✕ - EXCAVATION CONFIRMATION SAMPLE LOCATION
- ▲ - SUB SLAB VAPOR SAMPLE LOCATION

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Patti Zeinert
104 W. Main Street
Bowler, WI 54416



9590 9403 0958 5223 6275 10

2 Article Number (Transfer from service label)

7013 0600 0000 9414 4915

COMPLETE THIS SECTION ON DELIVERY

A. Signature

x *Patti Zeinert*

- Agent
- Addressee

B. Received by (Printed Name)

C. Date of Delivery

5-18-20

D. Is delivery address different from item 1? Yes
If YES, enter delivery address below: No

3. Service Type

- Adult Signature
- Adult Signature Restricted Delivery
- Certified Mail®
- Certified Mail Restricted Delivery
- Collect on Delivery
- Collect on Delivery Restricted Delivery
- Insured Mail
- Insured Mail Restricted Delivery (over \$500)
- Priority Mail Express®
- Registered Mail™
- Registered Mail Restricted Delivery
- Return Receipt for Merchandise
- Signature Confirmation™
- Signature Confirmation Restricted Delivery

PS Form 3811, July 2015 PSN 7530-02-000-9053

Domestic Return Receipt

G. B. 1. Deed

DOC# 679012

Document No.

QUIT CLAIM DEED

Document Title

Recorded
Feb. 23, 2012 AT 01:45PM
AMY DILLENBURG
REGISTER OF DEEDS
SHAWANO COUNTY WI

Fee Amount: \$30.00
Fee Exempt 77.25-(8M)



Ricky H. Zeinert, a married individual, Grantor, quit-claims to Ricky H. Zeinert and Patti L. Zeinert, his wife, as survivorship marital property, Grantees, the following described real estate in Shawano County, State of Wisconsin:

VIL OF BOWLER SCHENK'S P LOT 3 BLK 1 & N 7' OF VACAT ALLEY

This is homestead property.

This conveyance is exempt from the Wisconsin real estate transfer fee pursuant to sec. 77.25(8m)

Recording Area

Name and Return Address:
Aschenbrener, Woods, Lamia, ✓
Schmid, Chereskin & Sloma, S.C.
ATTN: J. Edison Woods, Jr.
208 West Green Bay Street
Shawano, Wisconsin 54166

Tax Parcel No.: 108750500020

Dated this 22nd day of Feb., 2012.

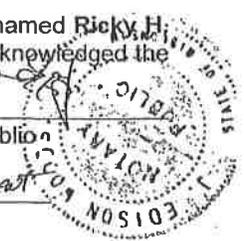
X Ricky H Zeinert (SEAL)
Ricky H. Zeinert

ACKNOWLEDGMENT

STATE OF WISCONSIN)
) ss.
Shawano County)

Personally came before me this 22 day of Feb., 2012, the above-named Ricky H. Zeinert, to me known to be the person who executed the foregoing instrument and acknowledged the same.

J. Edison Woods, Jr., Notary Public
State of Wisconsin
My commission is permanent



This instrument was drafted by:
Aschenbrener, Woods, Lamia,
Schmid, Chereskin & Sloma, S.C.
By: J. Edison Woods, Jr.
208 West Green Bay Street
Shawano, Wisconsin 54166
(715) 526-3191

G. B. 2. Certified Survey Map

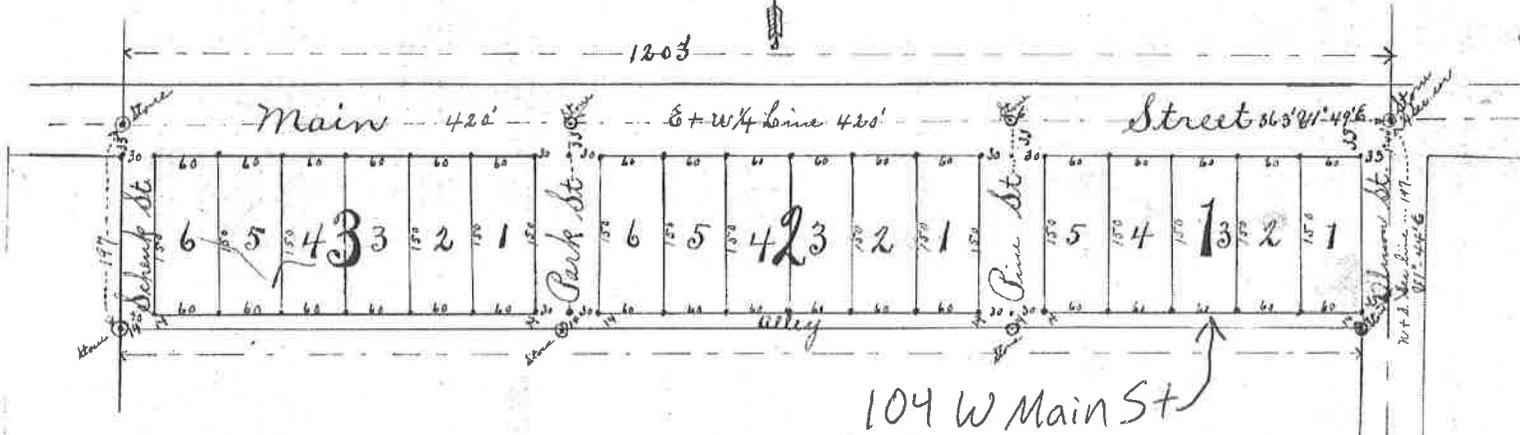
No. 74928

SCHENK'S PLAT OF ALMON

SHAWANO COUNTY WISCONSIN

SCALE: 1"=100'

W E



State of Wisconsin } ss. J. A. Melendy, County Surveyor, in and for the County, and State of Wisconsin, do hereby certify
 County of Shawano } that I have surveyed and subdivided into Blocks, lots, Streets and Alleys the following described
 tract of land to wit: The north one hundred and ninety seven (197) feet of the east twelve hundred and three (1203) feet of the
 north east quarter of the north east quarter of section no. thirty six (36) of township No. twenty eight (28) north, of range No.
 twelve (12) east in Shawano County and State of Wisconsin, as shown on the above plat and to be known as Schenk's
 Plat of Almon. That said survey and subdivision was made by direction of Chas. Schenk, the owner of the land
 as surveyed and platted. That the map above drawn is a correct representation of all the exterior boundaries of the
 land surveyed, and of the divisions thereon made, and that in surveying, subdividing and mapping the same I have
 fully complied with the provisions of Chapter one hundred and one (101) of the Wisconsin Statutes of 1898. Surveyed
 the 25th & 26th days of April and filed this 1st day of May, 1906.

J. A. Melendy
 County Surveyor
 By J. J. Melendy
 Deputy

State of Wisconsin } I hereby certify that I received the lands described in the foregoing certificate of J. A. Melendy
 County of Shawano } Surveyor, to be surveyed and mapped as represented on the above map
 signed in the presence of
 George Smith
 G. Scherer Schlytter
 Chas. Schenk

State of Wisconsin } ss. Personally came before me this second day of August, 1906 the above named
 County of Shawano } Chas. Schenk, to me known to be the person who executed the foregoing instrument
 and acknowledged the same.



G. Scherer Schlytter
 Notary Public, Shawano Co. Wis.
 Commission expires July 21, 1907

Register's Office }
 Shawano Co. Wis. } Filed for record Aug. 3, 1906 at 10 o'clock P.M.

P. F. Nolan Register

State of
 County of
 of Wisconsin
 Sheriff
 99 St to S
 N 51 30 E
 to post plat in
 That can
 That can
 101 of the

Shawano County
Ascent Land Records Suite

Access Type: Choose Category:

Public

Real estate property & tax

What do you want to do?

Assessments

Help

?

[Browser Setup Help](#)

[Return to search results](#)

[Property Summary](#)

| | | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|----------------------------------------------------------|--|
| Owner (s): ZEINERT, PATTI L | | Location: Section, Sect. 36, T28N, R13E | |
| Mailing Address: PATTI L ZEINERT 104 MAIN STREET BOWLER, WI 54416-0000 | | School District: 0623 - BOWLER SCHOOL DISTRICT | |
| Tax Parcel ID Number: 750500020 | Tax District: 108-VILLAGE OF BOWLER | Status: Active | |
| Alternate Tax Parcel Number: | | Acres: 0.0000 | |
| Description - Comments (Please see Documents tab below for related documents. For a complete legal description, see recorded document.): VIL OF BOWLER SCHENK'S PLAT LOT 3 BLK 1 & N 7' OF VACATED ALLEY | | | |
| Site Address (es): (Site address may not be verified and could be incorrect. DO NOT use the site address in lieu of legal description.) 104 W MAIN ST BOWLER, WI 54416 | | | |

Select Detail -->

Assessments

[Make Default Detail](#)

[Printer Friendly Page](#)

[View Interactive Map](#)

Tax Year:

Real Estate Assessments

| Code | Description | Acres | Land Value | Improvement Value | Total Value |
|--------|-------------|-------|------------|-------------------|-------------|
| 1 | Residential | 0 | \$2,600 | \$44,500 | \$47,100 |
| Total: | | 0.00 | \$2,600 | \$44,500 | \$47,100 |

Estimated Fair Market Value: \$52,500 Average Assessment Ratio: 0.898076658 * MFL and PFC values are not included in the total.

Special Assessments

| Assessment | Amount |
|------------|--------|
|------------|--------|

[Log in](#)

[View Disclaimer](#)

[Database Versions](#)

© 2019 Transcendent Technologies

G.C.

Notification of Continuing Obligations and Residual Contamination

Form 4400-286 (9/15)

C. I. Page

The affected property is:

- the source property (the source of the hazardous substance discharge), but the property is not owned by the person who conducted the cleanup (a deeded property)
- a deeded property affected by contamination from the source property
- a right-of-way (ROW)
- a Department of Transportation (DOT) ROW

Include this completed page as an attachment with all notifications provided under sections A and B.

Contact Information

Responsible Party: The person responsible for sending this form, and for conducting the environmental investigation and cleanup is:

Responsible Party Name Village of Bowler

| | | | | |
|--------------------------------------------|----------------|----------------|----------------------------------------------------|-------------------|
| Contact Person Last Name Breitrick | First Kerry | MI | Phone Number (include area code) (715) 793-4910 | |
| Address 107 W Main Street | | City Bowler | State WI | ZIP Code 54416 |
| E-mail <u>villageofbowler@frontier.com</u> | | | | |

Name of Party Receiving Notification:

Business Name, if applicable:

| | | | | | |
|------------------------------------------|---------------------|-----------------|-------------|----------------------------------------------------|--|
| Title Ms. | Last Name Minten | First Carmen | MI | Phone Number (include area code) (715) 793-4284 | |
| Address PO Box 48, 104 S Almon Street | | City Bowler | State WI | ZIP Code 54416 | |

Site Name and Source Property Information:

Site (Activity) Name A to Z Sales & Service

| | | | | |
|-----------------------------------|--|----------------|-------------|-------------------|
| Address 100 W Main Street | | City Bowler | State WI | ZIP Code 54416 |
| DNR ID # (BRRTS#) 03-59-190963 | | (DATCP) ID # | | |

Contacts for Questions:

If you have any questions regarding the cleanup or about this notification, please contact the Responsible Party identified above, or contact:

Environmental Consultant: METCO

| | | | | |
|-----------------------------------------|--------------|-------------------|----------------------------------------------------|-------------------|
| Contact Person Last Name Anderson | First Ron | MI | Phone Number (include area code) (608) 781-8879 | |
| Address 709 Gillette Street, Suite 3 | | City La Crosse | State WI | ZIP Code 54603 |
| E-mail <u>rona@metcohq.com</u> | | | | |

Department Contact:

To review the Department's case file, or for questions on cleanups or closure requirements, contact:

Department of: Natural Resources (DNR)

| | | | | |
|-----------------------------------------------------------------------------|-----------------|-------------------|----------------------------------------------------|-------------------|
| Address 2984 Shawano Ave | | City Green Bay | State WI | ZIP Code 54313 |
| Contact Person Last Name James | First Andrew | MI | Phone Number (include area code) (920) 662-5149 | |
| E-mail (Firstname.Lastname@wisconsin.gov) <u>Andrew.James@wisconsin.gov</u> | | | | |

Section A: Deeded Property Notification: Residual Contamination and/or Continuing Obligations

KEEP THIS DOCUMENT WITH YOUR PROPERTY RECORDS

PO Box 48, 104 S Almon Street
Bowler, WI, 54416

Dear Ms. Minten:

I am providing this letter to inform you of the location and extent of contamination remaining on your property, and of certain long-term responsibilities (continuing obligations) for which you may become responsible.

I have investigated a release of:

Gasoline

on 100 W Main Street, Bowler, WI, 54416 that has shown that contamination has migrated onto your property.

I have responded to the release and will be requesting that the Department of Natural Resources (DNR) grant case closure. Closure means that the DNR will not be requiring any further investigation or cleanup action to be taken. However, continuing obligations may be imposed as a condition of closure approval.

You have 30 days to comment on the attached legal description of your property and on the proposed closure request:

Please review the enclosed legal description of your property, and notify Ron Anderson at 709 Gillette Street, Suite 3, La Crosse, WI, 54603 within the next 30 days if the legal description is incorrect.

The DNR will not review my closure request for at least 30 days after the date of receipt of this letter. As an affected property owner, you have a right to contact the DNR to provide any technical information that you may have that indicates that closure should not be granted for this site. If you would like to submit any information that is relevant to this closure request, or if you want to waive the 30 day comment period, you should mail that information to the DNR contact: 2984 Shawano Ave, Green Bay, WI, 54313, or at Andrew.James@wisconsin.gov.

Your Long-Term Responsibilities as a Property Owner and Occupant:

The responses included

Excavation of 1,078 tons of petroleum contaminated soil and groundwater monitoring.

The continuing obligations I am proposing that affect your property are listed below, under the heading **Continuing Obligations**. Under s. 292.12 (5), Wis. Stats., current and future owners and occupants of this property are responsible for complying with continuing obligations imposed as part of an approved closure.

The fact sheet "Continuing Obligations for Environmental Protection" (DNR publication RR 819) has been included with this letter, to help explain the responsibilities you may have for maintenance of a certain continuing obligation, the limits of any liability for investigation and cleanup of contamination, and how these differ. If the fact sheet is lost, you may obtain copies at <http://dnr.wi.gov/files/PDF/pubs/rr/RR819.pdf>.

Contract for responsibility for continuing obligation:

Before I request closure, I will need to inform the DNR as to whom will be responsible for the continuing obligation/s on your property.

[Indicate which party will be responsible for the continuing obligation(s) on the property, and whether an agreement/contract has been worked out between the RP and affected party.]

Under s. 292.12, Wis. Stats., the responsibility for maintaining all necessary continuing obligations for your property will fall on you or any subsequent property owner, unless another person has a legally enforceable responsibility to comply with the requirements of the final closure letter. If you need more time to finalize an agreement on the responsibility for the continuing obligations on your Property, you may request additional time from the DNR contact identified in **Contact Information**.

(Note: Future property owners would need to negotiate a new agreement.)

Groundwater Contamination:

Groundwater contamination originated at the property located at 100 W Main Street, Bowler, WI, 54416 .
Contaminated groundwater has migrated onto your property at:

104 S Almon Street

The levels of

Benzene, Ethylbenzene, Naphthalene, Toluene, Trimethylbenzenes, and Xylene

contamination in the groundwater on your property are above the state groundwater enforcement standards found in ch. NR 140, Wis. Adm. Code.

However, the environmental consultants who have investigated this contamination have informed me that this groundwater contaminant plume is stable or receding and will naturally degrade over time. I believe that allowing natural attenuation, or the breakdown of contaminants in groundwater due to naturally occurring processes, to complete the cleanup at this site will meet the case closure requirements of ch. NR 726, Wis. Adm. Code. As part of my request for case closure, I am requesting that the DNR accept natural attenuation as the final remedy for this site.

The following DNR fact sheet (RR 671, "What Landowners Should Know: Information About Using Natural Attenuation to Clean Up Contaminated Groundwater") has been included with this notification, to help explain the use of natural attenuation as a remedy. If the fact sheet is lost, you may obtain a copy at <http://dnr.wi.gov/files/PDF/pubs/rr/RR671.pdf>.

Continuing Obligations on Your Property: As part of the cleanup, I am proposing that the following continuing obligations be used at your property, to address future exposure to residual contamination. If my closure request is approved, you will be responsible for the following continuing obligations.

To construct a new well or to reconstruct an existing well, the property owner at the time of construction or reconstruction will need to obtain prior approval from the DNR. See the paragraph **GIS Registry and Well Construction Requirements**. Typically, this results in casing off a portion of the aquifer during drilling, when needed, to protect the water supply.

Maintenance and Audits of Continuing Obligations:

If compliance with a maintenance plan is required as part of a continuing obligation, an inspection log will need to be filled out periodically, and kept available for inspection by the DNR. Submittal of the inspection log may also be required. You will also need to notify any future owners or occupants of this property of the need to maintain the continuing obligation and to document that maintenance in the inspection log. Periodic audits of these continuing obligations may be conducted by the DNR, to ensure that potential exposure to residual contamination is being addressed. The DNR provides notification before conducting site visits as part of the audit.

GIS Registry and Well Construction Requirements:

If this site is closed, all properties within the site boundaries where contamination remains, or where a continuing obligation is applied, will be listed on the Bureau for Remediation and Redevelopment Tracking System (BRRTS) on the Web, at <http://dnr.wi.gov/topic/Brownfields/clean.html>. Inclusion on this database provides public notice of remaining contamination and of any continuing obligations. Documents can be viewed on this database, and include final closure letters, site maps and any applicable maintenance plans. The location of the site may also be viewed on the Remediation and Redevelopment Sites Map (RR Sites Map), on the "GIS Registry" layer, at the same internet address listed above.

DNR approval prior to well construction or reconstruction is required for all sites included in the GIS Registry, in accordance with s. NR 812.09 (4) (w), Wis. Adm. Code. This requirement applies to private drinking water wells and high capacity wells. Special well construction standards may be necessary to protect the well from the remaining contamination. Well drillers need to first obtain approval from a regional water supply specialist in DNR's Drinking Water and Groundwater Program. The well construction application, form 3300-254, is on the internet at <http://dnr.wi.gov/topic/wells/documents/3300254.pdf>.

Site Closure:

If the DNR grants closure, you will receive a letter which defines the specific continuing obligations on your property. The status of the site (open or closed) may also be checked by searching BRRTS on the Web. You may view or download a copy of the closure letter (sent to the responsible party) from BRRTS on the Web. You may also request a copy of the closure letter from the **responsible party** or by writing to the DNR contact, at Andrew James, Andrew.James@wisconsin.gov, (920) 662-5149 . The final closure letter will contain a description of the continuing obligation, any prohibitions on activities and will include any applicable maintenance plan.

**Notification of Continuing Obligations
and Residual Contamination**

Form 4400-286 (9/15)

Page 3 of 3

If you have any questions regarding this notification, I can be reached at: (608) 781-8879
rona@metcohq.com



Signature of responsible party/environmental consultant for the responsible party

Date Signed

5/14/20

Attachments

Contact Information

Legal Description for each Parcel:

Factsheets:

RR 819, Continuing Obligations for Environmental Protection

RR 671, What Landowners Should Know: Information About Using Natural Attenuation to Clean Up Contaminated Groundwater

That part of the Northeast 1/4 of the Southeast 1/4 of Section 36, in Township 28 North, of Range 12 East, Shawano County, Wisconsin, bounded and described as follows: Commencing at the point of intersection of the West line of County Trunk Highway "D" with the South line of Schenk's plat of Almon, a recorded Subdivision, said point being 14 feet South of and 33 feet West of the Southeast corner of Lot One (1) in Block One (1) in said Subdivision; thence West along the South line of said Subdivision, 290.4 feet to a point; thence South and parallel to the West line of County Trunk Highway "D", 150 feet to a point; thence East and parallel to the South line of said Subdivision, 290.4 feet to the West line of County Trunk Highway "D"; thence North along the West line of County Trunk Highway "D", 150 feet to the point of commencement.

Subject to easements and restrictions of record.

Grantor retains a life estate in the above property subject to her paying the real estate taxes, insurance and maintenance.



Using Natural Attenuation to Clean Up Contaminated Groundwater: What Landowners Should Know

RR-671

December 2016

What Is Natural Attenuation?

Natural attenuation makes use of natural processes in soil and groundwater to contain the spread of contamination and to reduce the amount of contamination from chemical releases.

Natural attenuation is an *in-situ* treatment method. This means that contaminants are left in place while natural attenuation works on them. Natural attenuation is relied upon to clean up contamination that remains after the source of the contamination is removed. An example of a source of contamination would be a leaking underground petroleum tank.

How Does Natural Attenuation Work?

Natural attenuation processes work at many sites, but the rate and degree of effectiveness varies from property to property, depending upon the type of contaminants present and the physical, chemical and biological characteristics of the soil and groundwater.

Natural attenuation processes can be divided into two broad categories – destructive and non-destructive. Destructive processes destroy contaminants. The most common destructive process is **biodegradation**.

Non-destructive processes do not destroy the contaminant, but reduce contaminant concentrations in groundwater through **dilution, dispersion or adsorption**.

Biodegradation

Biodegradation is a process in which micro-organisms that naturally occur in soil and groundwater (e.g. yeast, fungi, or bacteria), break down, or degrade hazardous substances to less toxic or non-toxic substances. Microorganisms, like humans, eat and digest organic compounds for nutrition and energy (organic compounds contain carbon and hydrogen atoms).

Some types of microorganisms can digest organic substances such as fuels or solvents that are hazardous to humans. Microorganisms break down the organic contaminants into harmless products – mainly carbon dioxide and water. Once the contaminants are degraded, the microorganism populations decline because they have used their food sources. These small populations of microorganisms pose no contaminant or health risk.

Many organic contaminants, like petroleum, can be biodegraded by microorganisms in the underground environment. For example, biodegradation processes can effectively cleanse soil and groundwater of hydrocarbon fuels such as gasoline and benzene, toluene, ethylbenzene, and xylene – known as the BTEX compounds, under certain conditions.

Biodegradation can also breakdown other contaminants in groundwater such as trichloroethylene (TCE), a chlorinated solvent used in metal cleaning. However, the processes involved are harder to predict and are less effective at contaminant removal compared to petroleum-contaminated sites.



Wisconsin Department of Natural Resources
P.O. Box 7921, Madison, WI 53707
dnr.wi.gov, search "brownfield"



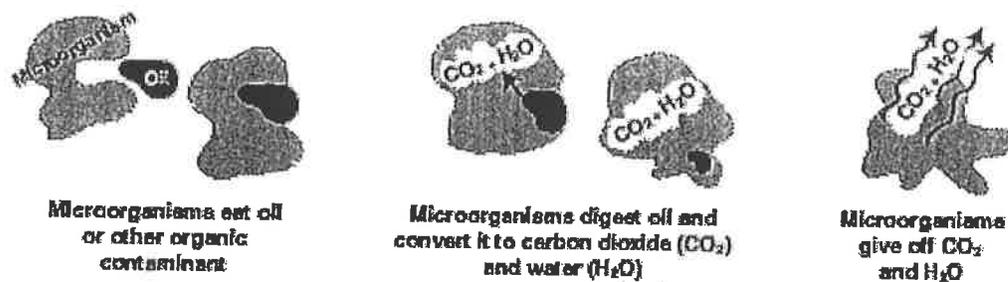


Figure 1. Schematic Diagram of Aerobic Biodegradation in Soil

Dilution and Dispersion

The effects of dilution and dispersion reduce contaminant concentrations but do not destroy contaminants. Clean water from the surface seeps underground to mix with and dilute contaminated groundwater.

Other processes that lead to reduced concentrations of contaminants include clean groundwater flowing into contaminated areas, and the dispersion of pollutants as they spread out and away from the main path of the contaminated plume.

Adsorption

Adsorption occurs when contaminants attach or “sorb” to underground particles. Most oily substances (like petroleum compounds) repel water and escape from the groundwater by attaching to organic matter and clay minerals in the subsurface.

This process holds back or retards contaminant movement and reduces the concentration of contaminants in the groundwater. However, like dilution and dispersion, adsorption does not destroy contaminants.

Why Consider Natural Attenuation To Clean Up Soil And Groundwater?

In certain situations, natural attenuation is an effective, inexpensive cleanup option and the most appropriate way to remediate some contamination problems. Natural attenuation focuses on confirming and monitoring natural remediation processes rather than relying on engineered or “active” technologies (such as pumping groundwater, treating it above ground, then disposing of the treated water).

Contaminants from petroleum are good candidates for natural attenuation because they are among the most easily destroyed by biodegradation. Natural attenuation is non-invasive, which allows treatment to go on below ground, while the surface can continue to be used.

Natural attenuation can also be less costly than active engineered treatment options, and requires no special equipment, energy source, or disposal of treated soil or groundwater.

Will Natural Attenuation Work At My Property?

Whether natural attenuation will work at a particular location is determined by investigating the soil and groundwater. These investigations determine the type of contaminants present, the levels of contamination, and the physical and chemical conditions that lead to biodegradation of the contaminants.

In order to rely on natural attenuation, responsible parties are required to confirm that natural attenuation processes are working by monitoring the soil and groundwater over a period of time to show that the contaminant concentrations are decreasing and that the contamination is no longer spreading.

Those conducting the cleanup need to know whether natural attenuation, or any proposed remedy, will reduce the contaminant concentrations in the soil and groundwater to legally acceptable limits within a reasonable period of time.

Natural attenuation may be an acceptable option for sites where active remediation has occurred and has reduced the concentration of contaminants (for instance, removing leaking underground tanks and contaminated soil).

However, natural attenuation is not an appropriate option at all sites. If the contamination has affected a drinking water well, or has entered a stream or lake, active cleanup options may be necessary to make sure people and the environment are protected from direct contact with the contamination.

The speed or rate of natural attenuation processes is typically slow. Monitoring is necessary to show that concentrations decrease at a sufficient rate to ensure that contaminants will not become a health threat in the future.

Closure Of Contaminated Sites Using Natural Attenuation As A Final Remedy

When contamination is discovered at a property (such as a gas station with leaking underground tanks), the person who is responsible for causing the contamination, and persons having possession or control of hazardous substances that have been discharged, have the responsibility to remove the source of contamination and investigate and clean up the contamination that has escaped into the soil and groundwater.

The contaminant release must be reported to the Wisconsin Department of Natural Resources (DNR) and the site investigation and cleanup are overseen by a state agency. Depending on the type of contaminant, the oversight agency could be the Department of Agriculture, Trade and Consumer Protection or Department of Natural Resources.

When the cleanup has complied with state standards, the person responsible for the contamination will ask the state agency for closure of the case. If natural attenuation is relied upon to finish cleaning up a contaminated property after closure, the responsible person will need to show that contaminant concentrations are not spreading, that contaminant concentrations are stable or decreasing, and that the concentrations will decrease in the future until state groundwater standards are met.

Because natural attenuation processes are slow, it may take many years before the properties with contamination are clean. State rules require that all owners of properties where groundwater contamination has spread must be informed of the contamination below their property.

In addition, the properties with groundwater contamination exceeding state groundwater enforcement standards must be listed on a database to notify future owners and developers of the presence of contamination. If future monitoring occurs and shows that natural attenuation processes have removed the contaminants to state-required cleanup levels, then the properties can be removed from the database.

The state agency will grant closure if the site investigation and monitoring shows that natural attenuation will clean up groundwater to state standards within a reasonable period of time. All state rules for cleanup must be met and the person who is responsible for the contamination must comply with all conditions of the state's closure approval.

Publications

The following publications provide additional information on natural attenuation. Websites where these can be downloaded free of charge are also listed.

- *A Citizen's Guide to Bioremediation*, September 2012, EPA 542-F-12-003; https://www.epa.gov/sites/production/files/2015-04/documents/a_citizens_guide_to_bioremediation.pdf
- *Commonly Asked Questions Regarding the Use of Natural Attenuation for Petroleum-Contaminated Sites at Federal Facilities*, www.clu-in.org/download/techfocus/na/na-petrol.pdf
- *Monitored Natural Attenuation of Petroleum Hydrocarbons: U.S. EPA Remedial Technology Fact Sheet*, May 1999, EPA 600-F-98-021; www.clu-in.org/download/remed/pet-hyd.pdf
- *Monitored Natural Attenuation of Chlorinated Solvents*, May 1999, EPA 600-F-98-0022; www.clu-in.org/download/remed/chl-solv.pdf
- *Guidance on Natural Attenuation for Petroleum Releases, WI DNR, Bureau for Remediation and Redevelopment*, March 2003, PUB-RR-614; dnr.wi.gov/files/PDF/pubs/rr/RR614.pdf

Contact Information

If you have questions about natural attenuation contact a DNR Environmental Program Associate (EPA) in your local DNR regional office. The EPA can direct you to a project manager.



Note: These are the Remediation and Redevelopment Program's designated regions. Other DNR program regional boundaries may be different.

This document is intended solely as guidance and does not contain any mandatory requirements except where requirements found in statute or administrative rule are referenced. This guidance does not establish or affect legal rights or obligations and is not finally determinative of any of the issues addressed. This guidance does not create any rights enforceable by any party in litigation with the State of Wisconsin or the Department of Natural Resources. Any regulatory decisions made by the Department of Natural Resources in any matter addressed by this guidance will be made by applying the governing statutes and administrative rules to the relevant facts.



Remediation and Redevelopment Program

June 2017

Continuing Obligations for Environmental Protection Responsibilities of Wisconsin Property Owners Wis. Stat. § 292.12

Purpose
This fact sheet is intended to help property owners understand their legal requirements under s. 292.12, Wis. Stats., regarding continuing obligations that arise due to the environmental condition of their property.

Introduction

The term “continuing obligations” refers to certain actions for which property owners are responsible following a completed environmental cleanup. They are sometimes called environmental land use controls or institutional controls. These legal obligations, such as a requirement to maintain pavement over contaminated soil, are most often found in a cleanup approval letter from the state.

Less commonly, a continuing obligation may apply where a cleanup is not yet completed but a cleanup plan has been approved, or at a property owned by a local government that is exempt from certain cleanup requirements.

What Are Continuing Obligations?

Continuing obligations are legal requirements designed to protect public health and the environment in regard to contamination that remains on a property.

Continuing obligations still apply after a property is sold. Each new owner is responsible for complying with the continuing obligations.

Background

Wisconsin, like most states, allows some contamination to remain after cleanup of soil or groundwater contamination (residual contamination). This minimizes the transportation of contamination and reduces cleanup costs while still ensuring that public health and the environment are protected.

The Department of Natural Resources (DNR), through its Remediation and Redevelopment (RR) Program, places sites or properties with residual contamination on a public database in order to provide notice to interested parties about the residual contamination and any associated continuing obligations. Please see the “Public Information” section on page 3 to learn more about the database. (Prior to June 3, 2006, the state used deed restrictions recorded at county courthouses to establish continuing obligations, and those deed restrictions have also been added into the database.)

Types of Continuing Obligations

1. Manage Contaminated Soil that is Excavated

If the property owner intends to dig up an area with contaminated soil, the owner must ensure that proper soil sampling, followed by appropriate treatment or disposal, takes place. Managing contaminated soil must be done in compliance with state law and is usually done under the guidance of a private environmental professional.

2. Manage Construction of Water Supply Wells

If there is soil or groundwater contamination and the property owner plans to construct or reconstruct a water supply well, the owner must obtain prior DNR approval to ensure that well construction is designed to protect the water supply from contamination.

Other Types of Continuing Obligations

Some continuing obligations are designed specifically for conditions on individual properties. Examples include:

- keeping clean soil and vegetation over contaminated soil;
- keeping an asphalt "cover" over contaminated soil or groundwater;
- maintaining a vapor venting system; and
- notifying the state if a structural impediment (e.g. building) that restricted the cleanup is removed. The owner may then need to conduct additional state-approved environmental work.

It is common for properties with approved cleanups to have continuing obligations because the DNR generally does not require removal of all contamination.

Property owners with the types of continuing obligations described above will find these requirements described in the state's cleanup approval letter or cleanup plan approval, and *must*:

- comply with these property-specific requirements; and
- obtain the state's permission before changing portions of the property where these requirements apply.

The requirements apply whether or not the person owned the property at the time that the continuing obligations were placed on the property.

Changing a Continuing Obligation

A property owner has the option to modify a continuing obligation if environmental conditions change. For example, petroleum contamination can degrade over time and property owners may collect new samples showing that residual contamination is gone. They may then request that the DNR modify or remove a continuing obligation. Fees are required for the DNR's review of this request and for processing the change to the database (\$1050 review fee, \$300/\$350 database fee). Fees are subject to change; current fees are found in Wis. Admin. § NR 749 online at http://docs.legis.wisconsin.gov/code/admin_code/nr/700/749.

Public Information

The DNR provides public information about continuing obligations on the Internet. This information helps property owners, purchasers, lessees and lenders understand legal requirements that apply to a property. The DNR has a comprehensive database of contaminated and cleaned up sites, *BRRTS on the Web*. This database shows all contamination activities known to the DNR. Site specific documents are found under the *Documents* section. The information includes maps, deeds, contaminant data and the state's closure letter. The closure letter states that no additional environmental cleanup is needed for past contamination and includes information on property-specific continuing obligations. If a cleanup has not been completed, the state's approval of the remedial action plan will contain the information about

continuing obligations.

Properties with continuing obligations can generally be located in the DNR's *RR Sites Map*. RR Sites Map provides a map view of contaminated and cleaned up sites, including sites with continuing obligations, and links to BRRTS on the Web. *BRRTS on the Web* and *RR Sites Map* are part of the Wisconsin Remediation and Redevelopment Database (WRRD) at <http://dnr.wi.gov/topic/Brownfields/wrrd.html>.

If a completed cleanup is shown in *BRRTS on the Web* but the site documents cannot be found in the documents section, the DNR's closure letter can still be obtained from a regional office. For assistance, please contact a DNR Environmental Program Associate (see the RR Program's Staff Contact web page at dnr.wi.gov/topic/Brownfields/Contact.html).

Off-Site Contamination: When Continuing Obligations Cross the Property Line

An off-site property owner is someone who owns property that has been affected by contamination that moved through soil, sediment or groundwater from another property. Wis. Stat. § 292.13 provides an exemption from environmental cleanup requirements for owners of "off-site" properties. The DNR will generally not ask off-site property owners to investigate or clean up contamination that came from a different property, as long as the property owner allows access to his or her property so that others who are responsible for the contamination may complete the cleanup.

However, off-site property owners are legally obligated to comply with continuing obligations on their property, even though they did not cause the contamination. For example, if the state approved a cleanup where the person responsible for the contamination placed clean soil over contamination on an off-site property, the owner of the off-site property must either keep that soil in place or obtain state approval before disturbing it.

Property owners and others should check the *Public Information* section above if they need to:

- determine whether and where continuing obligations exist on a property;
- review the inspection, maintenance and reporting requirements, and
- contact the DNR regarding changing that portion of the property. The person to contact is the person that approved the closure or remedial action plan.

Option for an Off-Site Liability Exemption Letter

In general, owners of off-site properties have a legal exemption from environmental cleanup requirements. This exemption does not require a state approval letter. Nonetheless, they may request a property-specific liability exemption letter from the DNR if they have enough information to show that the source of the contamination is not on their property. This letter may be helpful in real estate transactions. The fee for this letter is \$700 under Chapter NR 749, Wis. Adm. Code. For more information about this option, please see the RR Program's Liability web page at dnr.wi.gov/topic/Brownfields/Liability.html.



Required Notifications to Off-Site Property Owners

1. The person responsible for cleaning up contamination must notify affected property owners of any proposed continuing obligations on their off-site property **before** asking the DNR to approve the cleanup. This is required by law and allows the off-site owners to provide the DNR with any technical information that may be relevant to the cleanup approval.

When circumstances are appropriate, an off-site neighbor and the person responsible for the cleanup may enter into a "legally enforceable agreement" (i.e. a contract). Under this type of private agreement, the person responsible for the contamination may also take responsibility for maintaining a continuing obligation on an off-site property. This agreement would not automatically transfer to future owners of the off-site property. The state is not a party to the agreement and cannot enforce it.

2. If a cleanup proposal that includes off-site continuing obligations is approved, the DNR will send a letter to the off-site owners detailing the continuing obligations that are required for their property. Property owners should inform anyone interested in buying their property about maintaining these continuing obligations. For residential property, this would be part of the real estate disclosure obligation.

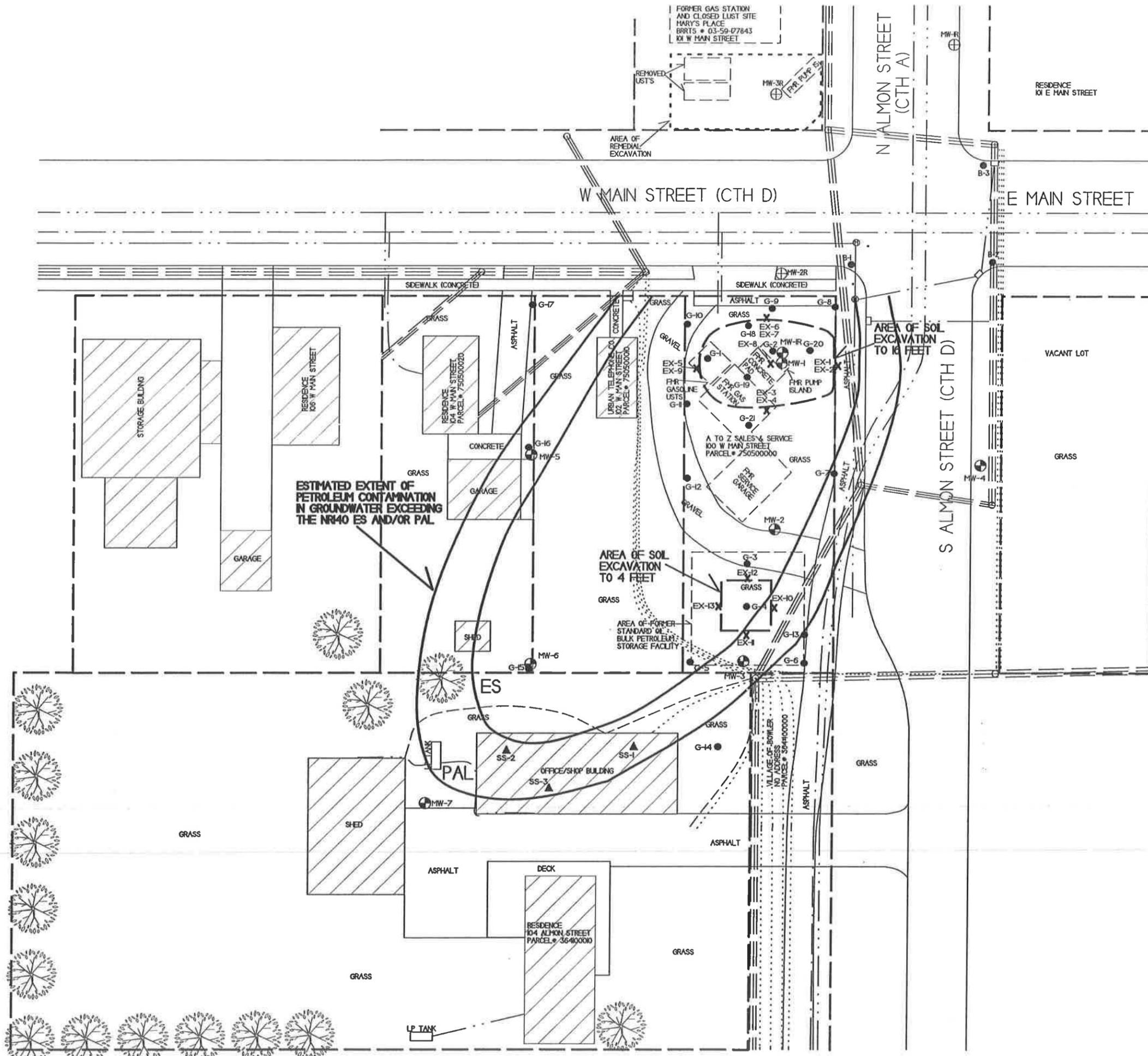
More Information

For more information, please visit the RR Program's Continuing Obligations website at dnr.wi.gov/topic/Brownfields/Residual.html.

This document is intended solely as guidance and does not contain any mandatory requirements except where requirements found in statute or administrative rule are referenced. This guidance does not establish or affect legal rights or obligations and is not finally determinative of any of the issues addressed. This guidance does not create any rights enforceable by any party in litigation with the State of Wisconsin or the Department of Natural Resources. Any regulatory decisions made by the Department of Natural Resources in any matter addressed by this guidance will be made by applying the governing statutes and administrative rules to the relevant facts.

The Wisconsin Department of Natural Resources provides equal opportunity in its employment, programs, services, and functions under an Affirmative Action Plan. If you have any questions, please write to Chief, Public Civil Rights, Office of Civil Rights, U.S. Department of the Interior, 1849 C. Street, NW, Washington, D.C. 20240.

This publication is available in alternative format (large print, Braille, etc.) upon request. Please call for more information. Note: If you need technical assistance or more information, call the Accessibility Coordinator at 608-267-7490 / TTY Access via relay - 711



B.3.b. GROUNDWATER ISOCONCENTRATION (2/11/2020)
A TO Z SALES & SERVICE

| | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
|  <small>709 Gillette St, Suite 3 La Crosse, WI 54603 Tel: (608) 781-8879 Fax: (608) 781-8853</small> | BOWLER, WISCONSIN DRAWN BY: ED DATE: 12/20/16 MODIFIED BY: FM DATE: 6/21/17 MODIFIED BY: ED DATE: 5/12/20 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|

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



- PROPERTY BOUNDARY
- WATER LINE
- SANITARY SEWER LINE
- STORM SEWER LINE
- FIBER OPTIC LINE
- TELEPHONE/CABLE LINE
- BURIED ELECTRICAL
- OVERHEAD UTILITIES
- NATURAL GAS LINE

- - UTILITY POLE
- ⊕ - MANHOLE
- - SOIL BORING LOCATION (DOT PHASE 2)
- ⊕ - FORMER MONITORING WELL LOCATION - MARY'S PLACE
- - GEOPROBE BORING LOCATION
- ⊕ - MONITORING WELL LOCATION
- ⊕ - ABANDONED MONITORING WELL LOCATION
- ✕ - EXCAVATION CONFIRMATION SAMPLE LOCATION
- ▲ - SUB SLAB VAPOR SAMPLE LOCATION



SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1.

Carmen Minten
P.O. Box 48
104 S. Almon Street
Bowler, WI 54416



9590 9403 0958 5223 6275 27

2. Article Number (Transfer from service label)

7013 0600 0000 9414 4908

PS Form 3811, July 2015 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature

Present
 Addressee
[Handwritten Signature]

B. Received by (Printed Name)

C. Date of Delivery
5-21-20

D. Is delivery address different from item 1? Yes
If YES, enter delivery address below: No

3. Service Type

- Adult Signature
- Adult Signature Restricted Delivery
- Certified Mail®
- Certified Mail Restricted Delivery
- Collect on Delivery
- Collect on Delivery Restricted Delivery
- Registered Mail
- Registered Mail Restricted Delivery
- Return Receipt for Merchandise
- Signature Confirmation™
- Signature Confirmation Restricted Delivery

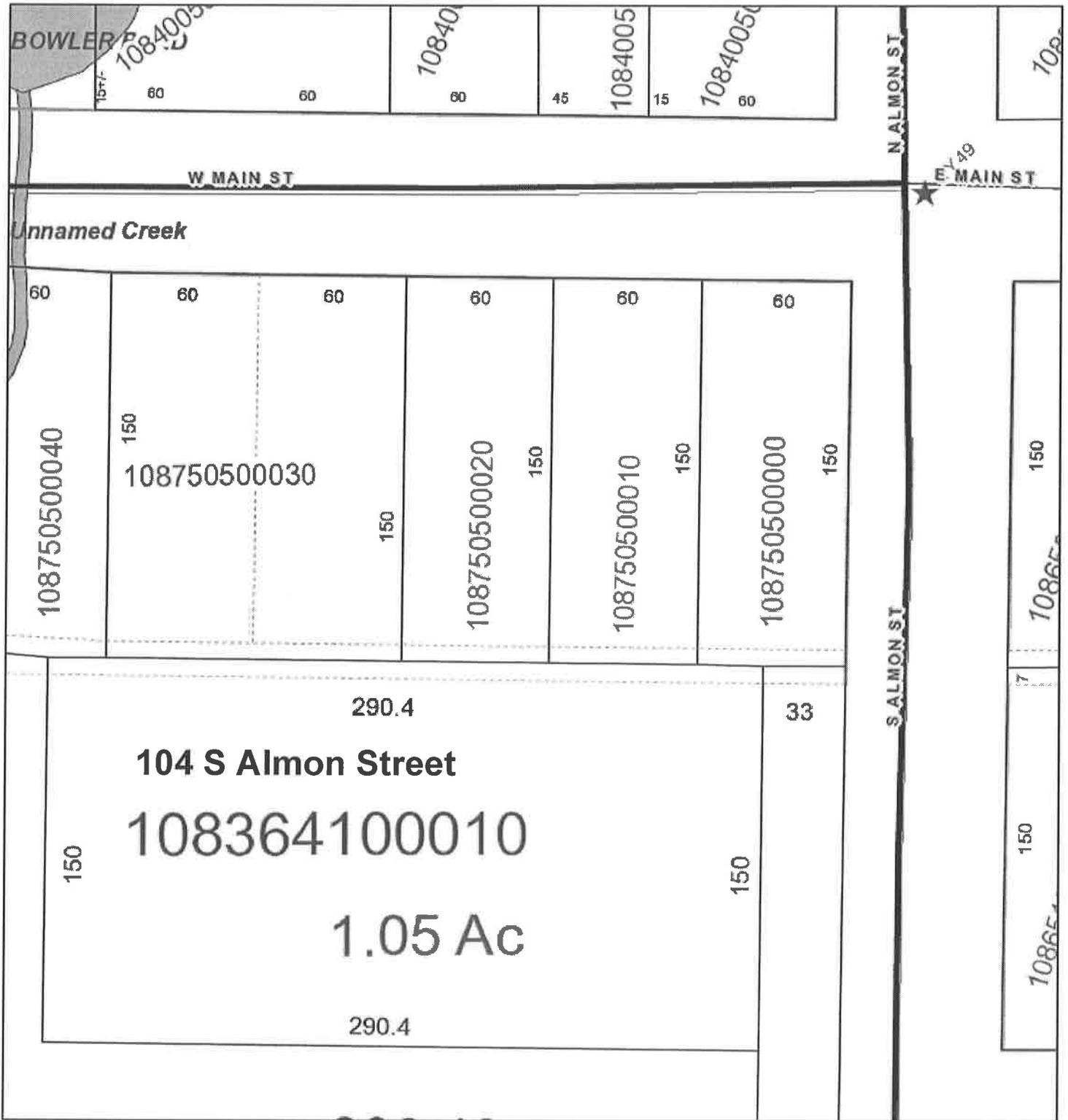
Domestic Return Receipt

That part of the Northeast 1/4 of the Southeast 1/4 of Section 36, in Township 28 North, of Range 12 East, Shawano County, Wisconsin, bounded and described as follows: Commencing at the point of intersection of the West line of County Trunk Highway "D" with the South line of Schenk's plat of Almon, a recorded Subdivision, said point being 14 feet South of and 33 feet West of the Southeast corner of Lot One (1) in Block One (1) in said Subdivision; thence West along the South line of said Subdivision, 290.4 feet to a point; thence South and parallel to the West line of County Trunk Highway "D", 150 feet to a point; thence East and parallel to the South line of said Subdivision, 290.4 feet to the West line of County Trunk Highway "D"; thence North along the West line of County Trunk Highway "D", 150 feet to the point of commencement.

Subject to easements and restrictions of record.

Grantor retains a life estate in the above property subject to her paying the real estate taxes, insurance and maintenance.

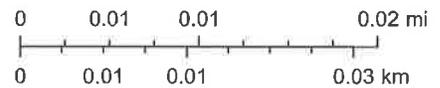
G.C.2. Certified Survey Map



May 15, 2020

1:963

- | | | | |
|------------|--------------|-----------------|--------------|
| Parcels | Meander Line | County Boundary | Private |
| Cartolines | Utility | Municipalities | State |
| Easement | Boundaries | Water Bodies | Local |
| Historical | Municipality | Roads | Railroads |
| Landhook | ROW | County | Sections |
| Leader | Subdivision | Federal | PLSS Corners |



Please note that there is no Certified Survey Map or Plat Map for this property. Therefore, the Shawano County GIS Map is included.

G.C.3. Verification of Zoning

Shawano County
Ascent Land Records Suite

Access Type: **Public** Choose Category: **Real estate property & tax**

What do you want to do? **Assessments** Help ?

[Browser Setup Help](#)

[Return to search results](#)

[Property Summary](#)

| | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|---------------------------------------------------|--|
| Owner (s): ANDERSON (LIFE ESTATE), BETTY JO MINTEN, CARMEN C | | Location: Section, Sect. 36, T28N, R12E | |
| Mailing Address: BETTY JO ANDERSON (LIFE ESTATE) 104 S ALMON STREET PO BOX 48 BOWLER, WI 54416-0000 | | School District: 0623 - BOWLER SCHOOL DISTRICT | |
| Tax Parcel ID Number: 364100010 | Tax District: 108-VILLAGE OF BOWLER | Status: Active | |
| Alternate Tax Parcel Number: | | Acres: 1.0500 | |
| Description - Comments (Please see Documents tab below for related documents. For a complete legal description, see recorded document.): VIL OF BOWLER E 290.4' OF N 150' OF NE 1/4 SE 1/4 LYG W OF RD S OF SCHENKS PLAT SEC 36 T28N R12E & S 7' OF VACATED ALLEY | | | |
| Site Address (es): (Site address may not be verified and could be incorrect. DO NOT use the site address in lieu of legal description.) 104 S ALMON ST BOWLER, WI 54416 | | | |

Select Detail -->

[Make Default Detail](#)

[Printer Friendly Page](#)

[View Interactive Map](#)

Tax Year:

Real Estate Assessments

| Code | Description | Acres | Land Value | Improvement Value | Total Value |
|--------|-------------|-------|------------|-------------------|-------------|
| 1 | Residential | 0.55 | \$3,000 | \$72,500 | \$75,500 |
| 2 | Commercial | 0.5 | \$3,800 | \$15,900 | \$19,700 |
| Total: | | 1.05 | \$6,800 | \$88,400 | \$95,200 |

Estimated Fair Market Value: \$105,900 Average Assessment Ratio: 0.898076658 *MFL and PFC values are not included in the total.

Special Assessments

| Assessment | Amount |
|------------|--------|
|------------|--------|

[Log in](#)

[View Disclaimer](#)

[Database Versions](#)

© 2019 Transcendent Technologies

G.D.

**Notification of Continuing Obligations
and Residual Contamination**

Form 4400-286 (9/15)

C. I. Page

The affected property is:

- the source property (the source of the hazardous substance discharge), but the property is not owned by the person who conducted the cleanup (a deeded property)
- a deeded property affected by contamination from the source property
- a right-of-way (ROW)
- a Department of Transportation (DOT) ROW

Include this completed page as an attachment with all notifications provided under sections A and B.

Contact Information

Responsible Party: The person responsible for sending this form, and for conducting the environmental investigation and cleanup is:

Responsible Party Name Village of Bowler

| | | | |
|--------------------------------------------|----------------|-------------|----------------------------------------------------|
| Contact Person Last Name Breitrick | First Kerry | MI | Phone Number (include area code) (715) 793-4910 |
| Address 107 W Main Street | City Bowler | State WI | ZIP Code 54416 |
| E-mail <u>villageofbowler@frontier.com</u> | | | |

Name of Party Receiving Notification:Business Name, if applicable: Shawano County

| | | | | |
|-----------------------------------|---------------------|-----------------|-------------|----------------------------------------------------|
| Title Mr. | Last Name Bystol | First Grant | MI | Phone Number (include area code) (715) 526-9182 |
| Address 3035 E Richmond Street | | City Shawano | State WI | ZIP Code 54166 |

Site Name and Source Property Information:Site (Activity) Name A to Z Sales & Service

| | | | |
|-----------------------------------|----------------|-------------|-------------------|
| Address 100 W Main Street | City Bowler | State WI | ZIP Code 54416 |
| DNR ID # (BRRTS#) 03-59-190963 | (DATCP) ID # | | |

Contacts for Questions:

If you have any questions regarding the cleanup or about this notification, please contact the Responsible Party identified above, or contact:

Environmental Consultant: METCO

| | | | |
|-----------------------------------------|-------------------|-------------|----------------------------------------------------|
| Contact Person Last Name Anderson | First Ron | MI | Phone Number (include area code) (608) 781-8879 |
| Address 709 Gillette Street, Suite 3 | City La Crosse | State WI | ZIP Code 54603 |
| E-mail <u>rona@metcohq.com</u> | | | |

Department Contact:

To review the Department's case file, or for questions on cleanups or closure requirements, contact:

Department of: Natural Resources (DNR)

| | | | |
|-----------------------------------------------------------------------------|-------------------|-------------|----------------------------------------------------|
| Address 2984 Shawano Ave | City Green Bay | State WI | ZIP Code 54313 |
| Contact Person Last Name James | First Andrew | MI | Phone Number (include area code) (920) 662-5149 |
| E-mail (Firstname.Lastname@wisconsin.gov) <u>Andrew.James@wisconsin.gov</u> | | | |

**Notification of Continuing Obligations
and Residual Contamination**
Form 4400-286 (9/15)

Section B: ROW Notification: Residual Contamination and/or Continuing Obligations - Non-DOT ROWs

KEEP THIS DOCUMENT WITH YOUR PROPERTY RECORDS

3035 E Richmond Street
Shawano, WI, 54166

Dear Mr. Bystol:

I am providing this notification to inform you of the location and extent of contamination remaining in a right-of-way for which you are responsible, and of certain long-term responsibilities (continuing obligations) for which county of Shawano may become responsible. I investigated a release of:

Gasoline

on 100 W Main Street, Bowler, WI, 54416 that has shown that contamination

has migrated into the right-of-way for which county of Shawano is responsible.

I have responded to the release, and will be requesting that the Department of Natural Resources (DNR) grant case closure. Closure means that the DNR will not be requiring any further investigation or cleanup action to be taken. However, continuing obligations may be imposed as a condition of closure approval.

You have 30 days to comment on the proposed closure request:

The DNR will not review my closure request for at least 30 days after the date of this letter. As an affected right-of-way holder, you have a right to contact the DNR to provide any technical information that you may have that indicates that closure should not be granted for this site. If you would like to submit any information to the DNR that is relevant to this closure request, you should mail that information to the DNR contact: 2984 Shawano Ave, Green Bay, WI, 54313, or at Andrew.James@wisconsin.gov.

Residual Contamination:

Groundwater Contamination:

Groundwater contamination originated at the property located at: 100 W Main Street, Bowler, WI, 54416 .

The levels of

Benzene, Ethylbenzene, Naphthalene, Toluene, Trimethylbenzenes, and Xylene

contamination in the groundwater on your property are above the state groundwater enforcement standards found in ch. NR 140, Wis. Adm. Code.

If residual soil or groundwater contamination is likely to affect water collected in a pit/trench that requires dewatering, a general permit for Discharge of Contaminated Groundwater from Remedial Action Operations may be needed. If you or any other person plan to conduct utility or building construction for which dewatering will be necessary, you or that person must contact the DNR's Water Quality Program, and if necessary, apply for the necessary discharge permit. Additional information regarding discharge permits is available at <http://dnr.wi.gov/topic/wastewater/GeneralPermits.html>.

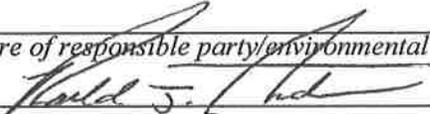
Continuing Obligations on the Right-of-Way (ROW) : As part of the response actions, I am proposing that the following continuing obligations be used at the affected ROW. If my closure request is approved, you will be responsible for the following continuing obligations:

GIS Registry and Well Construction Requirements:

If this site is closed, all properties within the site boundaries where contamination remains, or where a continuing obligation is applied, will be listed on the Bureau for Remediation and Redevelopment Tracking System (BRRTS) on the Web, at <http://dnr.wi.gov/topic/Brownfields/clean.html>. Inclusion on this database provides public notice of remaining contamination and of any continuing obligations. Documents can be viewed on this database, and include final closure letters, site maps and any applicable maintenance plans. The location of the site may also be viewed on the Remediation and Redevelopment Sites Map (RR Sites Map), on the "GIS Registry" layer, at the same internet address listed above.

DNR approval prior to well construction or reconstruction is required for all sites included in the GIS Registry, in accordance with s. NR 812.09 (4) (w), Wis. Adm. Code. This requirement applies to private drinking water wells and high capacity wells. Special well construction standards may be necessary to protect the well from the remaining contamination. Well drillers need to first obtain approval from a regional water supply specialist in DNR's Drinking Water and Groundwater Program. The well construction application, form 3300-254, is on the internet at <http://dnr.wi.gov/topic/wells/documents/3300254.pdf>.

If you have any questions regarding this notification, I can be reached at: (608) 781-8879
rona@metcohq.com

| | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| <i>Signature of responsible party/environmental consultant for the responsible party</i>  | Date Signed 5/14/20 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|

Attachments

Contact Information

Legal Description for each Parcel:

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

Grant Bystol
3035 E. Richmond Street
Shawano, WI 54166



9590 9403 0958 5223 6399 95

Article Number (Transfer from service label)

7013 0600 0000 9414 4892

PS Form 3811, July 2015 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

- Agent
- Addressee

B. Received by (Printed Name)

C. Date of Delivery

D. Is delivery address different from item 1? Yes
If YES, enter delivery address below: No

3. Service Type

- Adult Signature
- Adult Signature Restricted Delivery
- Certified Mail®
- Certified Mail Restricted Delivery
- Collect on Delivery
- Collect on Delivery Restricted Delivery
- Registered Mail™
- Registered Mail Restricted Delivery
- Return Receipt for Merchandise
- Signature Confirmation™
- Signature Confirmation Restricted Delivery
- Priority Mail Express®

Domestic Return Receipt

G.4 Signed Statement

WDNR BRRTS Case #: 03-59-190963

WDNR Site Name: A to Z Sales & Service

Geographic Information System (GIS) Registry of Closed Remediation Sites

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

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

Responsible Party:

Robert Herzberg Village of Bowler - President
(print name/title)

Robert Herzberg 5-18-2020
(signature) (date)