State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
2984 Shawano Avenue
Green Bay WI 54313-6727

Scott Walker, Governor
Daniel L. Meyer, Secretary
Telephone 608-266-2621
Toll Free 1-888-936-7463
TTY Access via relay - 711

November 27, 2018

GDC American Boulevard LLC
Attn: Jennifer DeCaster
P.O. Box 13427
Green Bay, WI 54307

Mrs. Marcella Ambrosius
c/o Julie Gay
2618 Stonegate Drive
Green Bay, WI 54313

KEEP THIS DOCUMENT WITH YOUR PROPERTY RECORDS

SUBJECT: Final Case Closure
Ambrosius Property, 1620 Grant Street, Village of Ashwaubenon, Wisconsin
DNR BRRTS Activity # 02-05-551631

Dear Ms. DeCaster and Ms. Gay:

The Department of Natural Resources (DNR) considers the Ambrosius Property contamination case closed. No further investigation or remediation is required at this time. Provide this letter to anyone who purchases this property from you.

This final closure decision is based on the correspondence and data provided and is issued under Wis. Adm. Code ch. NR 726. The Northeast Region (NER) Closure Committee reviewed the request for closure on September 14, 2018. The DNR reviews environmental remediation cases for compliance with state laws and standards to maintain consistency in the closure of these cases. The DNR issued a remaining actions needed letter on October 24, 2018, and documentation that the conditions in that letter were met was received on November 19, 2018.

Historically the site has been used as farmland. There are no other known historical uses of the site. There is a single-family residence on the east-end of the property. The site has not been used for farming purposes since the discovery of contaminated fill on the property. Contamination was discovered in 2006 when contaminated fill material was removed from a contaminated industrial property known as GDC American Blvd (BRRTS # 02-05-551627) in West De Pere and deposited on the Ambrosius Property as general fill material in an effort to raise the grade and potentially facilitate site redevelopment. General fill material was brought in from other unknown properties as well. The main soil contaminant was Polycyclic Aromatic Hydrocarbons (PAHs). Soil sampling over time exhibited declining PAH concentrations to generally below the applicable soil standards. The attached map (Detailed Site Map; Figure B.1.b; July 2010) shows the general site features, sampling locations as well as where imported fill material was deposited at the site.

Some low-level PAH, Polychlorinated Biphenyl (PCB) and metal contamination may remain in the soil across the property. If this soil is excavated in the future, the property owner at the time of excavation must determine if contamination remains. If contamination is present, the property owner at the time of excavation will need to determine whether the material is considered solid or hazardous waste and ensure that any storage, treatment or disposal is in compliance with applicable standards and rules. Contaminated soil may be managed in accordance with ch. NR 718, Wis. Adm. Code, with prior DNR approval.

Please be aware that the case may be reopened pursuant to Wis. Adm. Code § NR 727.13, if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety, or welfare or to the environment.

The DNR appreciates your efforts to restore the environment at this site. If you have any questions regarding this closure decision or anything outlined in this letter, please contact Keld Lauridsen at (920) 662-5420, or Keld.Lauridsen@wisconsin.gov.

Sincerely,

Roxanne N. Chronert
Team Supervisor, Northeast Region
Remediation and Redevelopment Program

Attachment: Detailed Site Map; Figure B.1.b; July 2010

ec: Max Wilkinson, NRP Environmental Consultants Inc (maxnrpconsultants@gmail.com)
Crystal Von Holdt, DNR – Green Bay (Crystal.VonHoldt@wisconsin.gov)

LEGEND

- BUILDING
- PROPERTY BOUNDARY
- LOCATIONS OF PILES
- B29 SOIL SAMPLE AND RESAMPLE LOCATIONS
- MONITORING WELL
- DNR RECOMMENDED DEGREE/EXTENT SOIL SAMPLE LOCATIONS
- BACKGROUND SOIL SAMPLE LOCATIONS

N

SCALE: 1" = 100'

50 0 50 100

NOTES:
1) MAP SOURCE: RMT, 744 HEARTLAND TRAIL, MADISON, WI 53717 - 2008.
2) ALL OBJECTS & LOCATIONS DEPICTED ARE APPROXIMATE.

FILE REFERENCE: Ambrosius_plot1

NRP

DRAWN: DEN

July 2010

NRP ENVIRONMENTAL CONSULTANTS
2357 PAMPERIN ROAD
GREEN BAY, WI 54313-8929
PHONE: 920-339-9212

B.1.b. Detailed Site Map

Ambrosius Property

Green Bay, Wisconsin

FIGURE

B.1.b.

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

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.
02-05-551631	

Parcel ID No.
VA-L202

FID No.	WTM Coordinates X	WTM Coordinates Y
	670195	443141

BRRTS Activity (Site) Name
Ambrosius Property

WTM Coordinates Represent: ☐ Source Area ☒ Parcel Center

Site Address	City	State	ZIP Code
1620 Grant Street	Ashwaubenon	WI	54115

Acres Ready For Use
12

Responsible Party (RP) Name
GDC American Boulevard LLC

Company Name
GDC American Boulevard LLC

Mailing Address	City	State	ZIP Code
PO Box 13427	Green Bay	WI	54307

Phone Number	Email
(920) 347-1755	jdecaster@1legacy.net

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

Environmental Consultant Name
Maxwell Wilkinson

Consulting Firm
NRP Environmental Consultants Inc

Mailing Address	City	State	ZIP Code
2357 Pamperin Rd	Green Bay	WI	54313

Phone Number	Email
(920) 327-1081	MaxNRPConsultants@gmail.com

Fees and Mailing of Closure Request

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

   ☒ $1,050 Closure Fee

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

   ☐ $300 Database Fee for Soil

   Total Amount of Payment $ $1,050.00

   ☐ Resubmittal, Fees Previously Paid

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

Site Summary

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

1. General Site Information and Site History

A. Site Location: Describe the physical location of the site, both generally and specific to its immediate surroundings.
The site is located in rural West De Pere approximately 2.5 miles West of the Fox River. Specifically, the site is on the North side of Grant Street, West of the intersection with Sand Acres drive. The property is bordered to the North by Highland Ridge Golf Club, to the East by Sand Acres Drive, and to the West by agricultural land (Parcel VA-L201). PLSS Location is described as SE 1/4 of the SE 1/4 of Sec 19, T23N, R20E.

B. Prior and current site usage: Specifically describe the current and historic occupancy and types of use.
The site is currently unused agricultural land. The site has not been used for farming purposes since the discovery of contaminated fill on the property. Historically the site has been used as farmland. There are no other known historical uses of the site. There is also a single family residence on East end the property.

C. Current zoning (e.g., industrial, commercial, residential) for the site and for neighboring properties, and how verified (Provide documentation in Attachment G).
1R- Single Family Residential as identified in the Village of Ashwaubenon Zoning Map

D. Describe how and when site contamination was discovered.
Contamination was discovered in 2006 when contaminated fill material was removed from an industrial property in West De Pere located at 2191 American Boulevard (Parcel WD-L176) and placed at the Ambrosius property. The BRRTS case was opened on 5/28/2008.

E. Describe the type(s) and source(s) or suspected source(s) of contamination.
The Site has Polycyclic Aromatic Hydrocarbon (PAH), Polychlorinated Biphenyl (PCB), and RCRA Metals based soil contamination. The suspected source of contamination is an industrial property in West De Pere located at 2191 American Boulevard (Parcel WD-L176). The industrial property was the site of municipal waste water sludge lagoons in the late 1960's and 70's. Many industrial activities including bulk fueling operations, and fabrication are known to have occurred there.

F. Other relevant site description information (or enter Not Applicable).
Fill material was also brought to the 1620 Grant Street property from several unidentified sites NOT owned by the RP - GDC American BLVD LLC.

There is a closed BRRTS activity associated with the SOURCE property - 2191 American Boulevard:
GDC American BLVD - Closed ERP - 02-05-551627 (original source of contaminated fill brought to Ambrosius Property)

G. List BRRTS activity/site name and number for BRRTS activities at this source property, including closed cases.
Ambrosius Property - Open ERP - BRRTS# 02-05-551631

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 adjacent to the 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.
Geoprobe soil borings advanced across the site for the installation of MW-1 through MW-6 revealed reddish brown silty clay from 0 to 3-4 feet below ground surface. The silty clay was observed throughout the profile mixed with some lighter silty sand with little to no organic matter to 12-14 feet. There is approximately 5 feet of fill throughout the interior of the fields on site.

Additionally, The NRCS soil survey identified the following soil map units on the property:
The East end of the site is primarily composed of Oshkosh silt loam, which has a profile of silt loam and silty clay to 6.5 feet. The North central area of the site is composed of Poygan silty clay loam, which has a typical profile consisting of silty clay loam to 10 inches, underlain by silty clay to 27 inches, and clay to 79 inches. The West and Southwest area of the site is composed of two soil map units, Manawa silty clay loam, and Kewaunee silt loam. Manawa silty clay loams consist of silty clay loam to 9 inches underlain by silty clay to 79 inches. Kewaunee silt loams typically consist of silt loam to 10 inches, underlain by silty clay loam to 13 inches with clay horizon to 29 inches and silty clay loam to 79 inches.

ii. Describe the composition, location and lateral extent, and depth of fill or waste deposits on the site.
A variety of fill material was brought to the site from many other locations to raise the ground surface elevation of the two fields on the property. Fill material observed in soil piles from the initial site investigation in 2008 was primarily mixed clay and sand, cobbles, and some pieces of concrete and asphalt. A comparison of elevation contour maps from 2000 and 2010 available from Brown County GIS indicate the site was raised approximately 6 feet with fill material brought to the interior of the fields on-site. The original topsoil was stripped, and fill material from several unidentified locations was brought in to the interior of both fields. The area filled in the Eastern field is approximately 675 feet by 450 feet. The area of fill in the Western field is approximately 375 feet by 450 feet.

iii. Describe the depth to bedrock, bedrock type, competency and whether or not it was encountered during the investigation.
Area well construction reports indicate a depth to limestone bedrock between 84' and 104' below ground surface. Bedrock was not encountered during the investigation.

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 site surface is covered with natural vegetation. Phytoremediation has been employed at the site with an alfalfa planting in spring of 2014. The biomass from the remediation planting was tilled and incorporated into the topsoil in the following year. There is a drainage ditch running approximately North-South through the Western third 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.
Depth to groundwater at the site was observed between 4.0 and 8.65 feet below surface grade. Groundwater elevation ranges from 626.15 to 629.68. No piezometers were installed for this investigation. Free product does not affect groundwater measurement.

ii. Discuss groundwater flow direction(s), shallow and deep. Describe and explain flow variations, including fracture flow if present.
Shallow groundwater generally flows to the drainage feature on-site which flows Northeast to an unnamed tributary of Dutchman's Creek. Regional groundwater generally flows northeast to the Fox River and Bay of Green Bay.

iii. Discuss groundwater flow characteristics: hydraulic conductivity, flow rate and permeability, or state why this information was not obtained.
Soils on-site have relatively low hydraulic conductivity, as groundwater samples could not initially be collected from geoprobe borings advanced in 2009. Temporary monitoring wells were installed and allowed to recover for several weeks before sampling. Additional evidence supporting relatively low permeability of soil at the site included standing water throughout the interior of the which prevented tilling of soil piles on-site in 2014.

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).
Well CL839 is approximately 550 feet south of the Southeast corner of the property. The 6 inch well is cased to 92 feet according the well construction report. Bedrock geology is Limestone. This well is more than 1,200 feet from areas of the property which returned detects above the Non-Industrial Direct Contact standard. NO samples were returned above the NR 700 Groundwater Pathway standard.

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.

11/10/2008 - RMT advances soil borings B-1 through B-35 across the Ambrosius Property.

06/02/2011 and 07/22/2011 - NRP advances 6 soil borings and converts them to temporary monitoring wells. Soil samples are collected.

07/29/2011 - NRP collects groundwater samples from the six temporary monitoring wells.

01/06/2012 - NRP submits "Environmental Investigation Update- Ambrosius Farm Property, 1620 Grant Street, Parcel Number VA-L202, De Pere Wisconsin, DNR BRRTS# 02-05-551631"

06/22/2012 - NRP collects groundwater samples from MW-1 through MW-6.

09/27/2012 - NRP collects four background soil samples from the upper two feet of native soil profile. Additional soil samples were collected near original samples B1, B6, B10, B13, B15, B19, B21, B27, and B30.

07/22/2013 - NRP meets with WDNR's Alan Nass to discuss achieving closure for the site. Options included permanently capping the site, removing the contaminated fill (via excavation and hauling), or turning the site into a

municipal park.

05/21/2014 - NRP collects soil samples from area near original samples B27 and B30. Analytical sample results indicate PAH exceedance for the Non-Industrial Direct Contact Standard (NIDCS) and Groundwater Pathway for Benzo(a) pyrene and Benzo(b)fluoranthene in sample point 27.

05/18/2016 - NRP collects soil sample near original sample B27. Analytical results returned a detect of Benzo(a)pyrene above the NIDCS.

06/27/2016 - NRP submits "Environmental Investigation Update-Ambrosius Farm Property, 1620 Grant Street, Parcel Number VA-L202, De Pere, Wisconsin, DNR BRRTS# 02-05551631". The report includes sample analytical data from

05/18/2016 sampling, and photos of phytoremediation planting and progress.

March 2017 - WDNR revised PAH RCL's raise standard for PAH's including Benzo(a)pyrene making the site eligible for closure.

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.

Based on analytical results from native background soil sample collected on 9/27/2012, only VERY minor PAH detects were returned. Using soil analytical levels from the November 2008 soil samples as a baseline for comparison, it is apparent that native soil adjacent to the contaminated soil was not impacted. See Attachment A.2 - Soil Analytical Results Table for analytical results for native and non-native soil samples (Native Soil background samples have Sample IDs BG-1, BG-2, BG-3, and BG-4).

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 are no structural impediments to the completion of the site investigation.

B. Soil

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

Soil sample analytical data indicates there are NO PAH, or PCBs above the NR 700 residual contamination levels (RCL's) for Non-Industrial Direct Contact sites, or the Groundwater Pathway. Minor PAH contamination below the RCL likely remains in the North central area of the site near sample location 27 (B27, 27-R, 27-R-R). This sample location is the only location to return PAH detects of Benzo(a)pyrene above the RCL until the Department revised PAH standards in Spring of 2017. All sample points now fall below the revised RCL.

The receptors and migration pathways of concern are native soil and groundwater. Groundwater samples collected in 2011 returned detects of lead and arsenic slightly over the Enforcement Standard. Arsenic levels returned are consistent with local native background levels. Groundwater samples were not field filtered prior to laboratory analysis and are believed to be skewed high and thus nonrepresentative of site conditions. Analytical groundwater results from samples collected on 6/22/2012 returned only MINOR detects of Barium in all Monitoring Wells. These groundwater samples returned NO DETECTS of Lead or Arsenic above the laboratory Method Detection Limit. These analytical results indicate there is no impact to groundwater. Native soil samples collected in 2011 returned only minor detects of PAH, none approaching the applicable RCL.

The source of the contaminated fill material is an industrial property in the West De Pere industrial park owned by GDC American Boulevard LLC (Parcel # WD-L176-2).

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

There are low level PAH impacts in the upper 4 feet of the soil profile. Analytical soil sample results from ALL sample locations fall below the most restrictive NR 700 standards. Please refer to Attachment A.2. - Soil Analytical Results Table for all analytical sample concentrations.

The highest soil sample analytical concentrations returned from the November 2008 site investigation included PAH detects of Benzo(a)anthracene (3,300 ppb) Benzo(b)luoranthene (2,900 ppb), Benzo(a)pyrene (3,600 ppb), Chrysene (3,100 ppb), Dibenzo(a,h)anthracene (400 ppb), fluoranthene (15,000 ppb), Indeno(1,2,3-cd)pyrene (2,400 ppb). These analytical results were returned from sample point B21. Analytical soil sample results for RCRA Metals and PCB's returned NO detects above or approaching the most restrictive applicable standard. Subsequent analytical results from resampling near ALL original sample points have returned PAH detects below the current most restrictive RCL.

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.

Soil performance standards established in accordance with NR 720.08. Residual contaminants in soil to not pose a threat to public health, safety, or the welfare of the environment:

Natural attenuation of soil contaminants is evident based on declining analytical concentrations since initial sampling in 2008. Analytical soil samples returned NO detects of PAH, RCRA Metals, or PCB's above the Residual Contaminant Level groundwater pathway, or Non-Industrial Direct Contact Standard. The site is zoned Single Family Residential by the Village of Ashwaubenon as Single Family Residential. Brown county identifies the affected area of the parcel as Undeveloped Land. The land use established for the cleanup standard is Non-Industrial - Direct Contact.

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.

Groundwater samples collected on 7/29/2011 returned low level detects for Metals. MW-1 returned one detect of Lead (16.9 ppb) above the ES. MW-6 returned detects of Arsenic (11.0J ppb) and Lead (20.6 ppb) above the ES. The arsenic concentration falls within the native background concentration for the area. Analytical groundwater results for PAH returned NO detects at or approaching the applicable standard. Groundwater samples were not field filtered prior to laboratory analysis and are believed to be skewed high and thus nonrepresentative of site conditions.

Analytical groundwater results from samples collected on 6/22/2012 returned only MINOR detects of Barium in all Monitoring Wells. These groundwater samples returned NO DETECTS of Lead or Arsenic above the laboratory Method Detection Limit. These analytical results indicate there is no impact to groundwater.

Impacts to water supply wells are unlikely given the proximity to any nearby private well, PAH's affinity to adhere to particulates, and the onsite drainage ditch which facilitates shallow groundwater flow. Impacts or interception with building foundations is also unlikely given observed analytical contaminant concentrations and proximity to nearby buildings.

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.

There is NO free product on site.

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.

No vapor migration assessment was conducted. The site is an open field. With the exception of Naphthalene, the contaminants of concern have no screening level or standard. Vapor assessment was not requested by the department.

ii. Identify the applicable DNR action levels and the land use classification used to establish them. Describe where the DNR action levels were reached or exceeded (e.g., sub slab, indoor air or both).

No vapor assessment was conducted for this site. Vapor assessment was not requested by the Department. The site is an open field with no structures anywhere near the impacted, and now effectively remediated, soil.

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.

Sediment and surface water was not assessed as part of the investigation. Surface water and sediment assessment was not requested by the department.

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.

Sediment and surface water was not assessed as part of the investigation. Surface water and sediment assessment was not requested by the department.

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.

Remedial action implemented for this site include phytoremediation and natural attenuation. The field was graded in the fall of 2014. Alfalfa was planted in "hot" spots and native vegetation was allowed to overtake the site in spring 2015. July 2015,

the fields were chisel plowed, per the work plan, biomass was incorporated into the topsoil. August 2015, the fields were disked to uniform grade. A soil sample collected in 2016 near original sample location 27 returned minor detects of PAH compounds.

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

No immediate actions were taken upon the discovery of contamination in 2008. Fill was no longer being brought to the site from the American Boulevard location by this time.

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

No active remediation was employed at the site. Natural attenuation and Phytoremediation were used to degrade contaminants. The 2016 soil analytical results show decreasing PAH concentrations when compared to sample results from the same location in 2014. Soil sample analytical concentrations across the site show decreasing PAH concentrations. See Attachment A.2. - Soil Analytical Results Table for details on contaminant trends.

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.

Alternative remediation strategies for the site included permanently capping the site, excavating and disposing of contaminated soil in a landfill, or converting the site to a municipal park. These alternatives were deemed not feasible as the RP is not the property owner, the cost of these options also deemed not feasible. The only technically and financially feasible remediation strategy was natural attenuation and phytoremediation which has successfully degraded the contaminants of concern.

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.

Low level soil PAH contamination BELOW the most restrictive NR 700 RCL standard is present on-site. Contaminated fill is present in both the East and West fields. Residual contamination lies from 1 to 4 feet below surface grade. Please refer to Table I in Attachment A.2 for complete details on soil sample analytical results.

Please refer to the Detailed Site Map (B.1.b) for details regarding the location of soil samples, monitoring wells, and the extent of contamination.

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.

Soil contamination within the upper four feet of the ground surface has been effectively remediated below the Direct Contact Standard RCL for Non-Industrial sites. Please refer to Attachment A.2. - Soil Analytical Results Table for complete details on soil sample analytical results.

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.

Soil has been effectively remediated below the Groundwater Pathway Standard RCL.

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.

The low level residual contamination (below the applicable RCL) on-site will continue to degrade through 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).

Groundwater samples collected in 2011 returned only MINOR detects of PAH compounds. Groundwater samples were not field filtered prior to laboratory analysis and are believed to be skewed high and thus nonrepresentative of site conditions. The Arsenic concentration returned is also within the native background levels observed locally.

Analytical groundwater results from samples collected on 6/22/2012 returned only MINOR detects of Barium in all Monitoring Wells. These groundwater samples returned NO DETECTS of Lead or Arsenic above the laboratory Method Detection Limit. These analytical results indicate there is no impact to groundwater.

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

Phytoremediation and natural attenuation have been the only means of remediation at this site. Soil sample analytical results show successful remediation of contaminants. Groundwater analytical results from 6/22/2012 showed only MINOR detects of Barium, and NO detects of Lead or Arsenic after approximately 6 years with the contaminated fill on-site. Vapor was not assessed.

K. Identify any system hardware anticipated to be left in place after site closure, and explain the reasons why it will remain.
Monitoring Wells will be abandoned when the Department grants the site conditional closure.

L. Identify the need for a ch. NR 140, Wis. Adm. Code, groundwater Preventive Action Limit (PAL) or Enforcement Standard (ES) exemption, and identify the affected monitoring points and applicable substances.
There are no NR 140 exemptions needed for this site. Groundwater samples collected on 6/22/2012 returned NO detects of any RCRA Metal at or approaching the applicable standard. Groundwater analytical results from 7/29/2011 returned only MINOR detects of PAH compounds, none approaching any applicable standard

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.
Vapor pathway was not assessed as part of this investigation.

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.
Surface water and sediment were not assessed as part of this investigation. Surface water and sediment sampling was not requested by the Department.

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

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

6. Underground Storage Tanks

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

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

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

General Instructions

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

Data Tables (Attachment A)

Directions for Data Tables:

- Use **bold** and italics font for information of importance on tables and figures. Use **bold** font for ch. NR 140, Wis. Adm. Code ES attainments or exceedances, and *italicized font* for ch. NR 140, Wis. Adm. Code, PAL attainments or exceedances.
- Use **bold** font to identify individual ch. NR 720 Wis. Adm. Code RCL exceedances. Tables should also include the corresponding groundwater pathway and direct contact pathway RCLs for comparison purposes. Cumulative hazard index and cumulative cancer risk exceedances should also be tabulated and identified on Tables A.2 and A.3.
- Do not use shading or highlighting on the analytical tables.
- Include on Data Tables the level of detection for results which are below the detection level (i.e., do not just list as no detect (ND)).
- Include the units on data tables.
- Summaries of all data must include information collected by previous consultants.
- Do not submit lab data sheets unless these have not been submitted in a previous report. Tabulate all data required in s. NR 716.15 (3)(c), Wis. Adm. Code, in the format required in s. NR 716.15(4)(e), Wis. Adm. Code.
- Include in Attachment A all of the following tables, in the order prescribed below, with the specific Closure Form titles noted on the separate attachments (e.g., Title: A.1. Groundwater Analytical Table; A.2. Soil Analytical Results Table, etc.).
- For required documents, each table (e.g., A.1., A.2., etc.) should be a separate Portable Document Format (PDF).

A. Data Tables

A.1. **Groundwater Analytical Table(s):** Table(s) showing the analytical results and collection dates for all groundwater sampling points (e.g., monitoring wells, temporary wells, sumps, extraction wells, potable wells) for which samples have been collected.

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

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

A.4. **Vapor Analytical Table(s)**: Table(s) showing type(s) of samples, sample collection methods, analytical method, sample results, date of sample collection, time period for sample collection, method and results of leak detection, and date, method and results of communication testing.

A.5. **Other Media of Concern (e.g., sediment or surface water)**: Table(s) showing type(s) of sample, sample collection method, analytical method, sample results, date of sample collection, and time period for sample collection.

A.6. **Water Level Elevations:** Table(s) showing all water level elevation measurements and dates from all monitoring wells. If present, free product should be noted on the table.

A.7. **Other:** This attachment should include: 1) any available tabulated natural attenuation data; 2) data tables pertaining to engineered remedial systems that document operational history, demonstrate system performance and effectiveness, and display emissions data; and (3) any other data tables relevant to case closure not otherwise noted above. If this section is not applicable, please explain the reasons why.

Maps, Figures and Photos (Attachment B)

Directions for Maps, Figures and Photos:

- Provide on paper no larger than 11 x 17 inches, unless otherwise directed by the Department. Maps and figures may be submitted in a larger electronic size than 11 x 17 inches, in a PDF readable by the Adobe Acrobat Reader. However, those larger-size documents must be legible when printed.
- Prepare visual aids, including maps, plans, drawings, fence diagrams, tables and photographs according to the applicable portions of ss. NR 716.15(4), 726.09(2) and 726.11(3), (5) and (6), Wis. Adm. Code.
- Include all sample locations.
- Contour lines should be clearly labeled and defined.
- Include in Attachment B all of the following maps and figures, in the order prescribed below, with the specific Closure Form titles noted on the separate attachments (e.g., Title: B.1. Location Map; B.2. Detailed Site Map, etc).
- For the electronic copies that are required, each map (e.g., B.1.a., B.2.a, etc.,) should be a separate PDF.
- Maps, figures and photos should be dated to reflect the most recent revision.

B.1. Location Maps

B.1.a. **Location Map:** A map outlining all properties within the contaminated site boundaries on a United States Geological Survey (U.S.G.S.) topographic map or plat map in sufficient detail to permit easy location of all affected and/or adjacent parcels. If groundwater standards are exceeded, include the location of all potable wells, including municipal wells, within 1200 feet of the area of contamination.

B.1.b. **Detailed Site Map:** A map that shows all relevant features (buildings, roads, current ground surface cover, individual property boundaries for all affected properties, contaminant sources, utility lines, monitoring wells and potable wells) within the contaminated area. This map is to show the location of all contaminated public streets, and highway and railroad rights-of-way in relation to the source property and in relation to the boundaries of groundwater contamination attaining or exceeding a ch. NR 140 ES, and/or in relation to the boundaries of soil contamination attaining or exceeding a RCL. Provide parcel identification numbers for all affected properties.

B.1.c. **RR Sites Map:** From RR Sites Map (http://dnrmaps.wi.gov/sl/?Viewer=RR Sites) attach a map depicting the source property, and all open and closed BRRTS sites within a half-mile radius or less of the property.

B.2. Soil Figures

B.2.a. **Soil Contamination:** Figure(s) showing the location of **all** identified unsaturated soil contamination. Use a single contour to show the horizontal extent of each area of contiguous soil contamination that exceeds a soil to groundwater pathway RCL as determined under ch. NR 720.Wis. Adm. Code. A separate contour line should be used to indicate the horizontal extent of each area of contiguous soil contamination that exceeds a direct contact RCL exceedances (0-4 foot depth).

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

B.3. Groundwater Figures

B.3.a. **Geologic Cross-Section Figure(s):** One or more cross-section diagrams showing soil types and correlations across the site, water table and piezometric elevations, and locations and elevations of geologic rock units, if encountered. Display on one or more figures all of the following:

- Source location(s) and vertical extent of residual soil contamination exceeding an RCL. Distinguish between direct contact and the groundwater pathway RCLs.
- Source location(s) and lateral and vertical extent if groundwater contamination exceeds ch. NR 140 ES.
- Surface features, including buildings and basements, and show surface elevation changes.
- Any areas of active remediation within the cross section path, such as excavations or treatment zones.
- Include a map displaying the cross-section location(s), if they are not displayed on the Detailed Site Map (Map B.1.b.)

B.3.b. **Groundwater Isoconcentration:** Figure(s) showing the horizontal extent of the post-remedial groundwater contamination exceeding a ch. NR 140, Wis. Adm. Code, PAL and/or an ES. Indicate the date and direction of groundwater flow based on the most recent sampling data.

B.3.c. **Groundwater Flow Direction:** Figure(s) representing groundwater movement at the site. If the flow direction varies by more than 20° over the history of the site, submit two groundwater flow maps showing the maximum variation in flow direction.

B.3.d. **Monitoring Wells:** Figure(s) showing all monitoring wells, with well identification number. Clearly designate any wells that: (1) are proposed to be abandoned; (2) cannot be located; (3) are being transferred; (4) will be retained for further sampling, or (5) have been abandoned.

B.4. Vapor Maps and Other Media

B.4.a. **Vapor Intrusion Map:** Map(s) showing all locations and results for samples taken to investigate the vapor intrusion pathway in relation to residual soil and groundwater contamination, including sub-slab, indoor air, soil vapor, soil gas, ambient air, and communication testing. Show locations and footprints of affected structures and utility corridors, and/or where residual contamination poses a future risk of vapor intrusion.

B.4.b. **Other media of concern (e.g., sediment or surface water):** Map(s) showing all sampling locations and results for other media investigation. Include the date of sample collection and identify where any standards are exceeded.

B.4.c. **Other:** Include any other relevant maps and figures not otherwise noted above. (This section may remain blank).

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

Documentation of Remedial Action (Attachment C)

Directions for Documentation of Remedial Action:

- Include in Attachment C all of the following documentation, in the order prescribed below, with the specific Closure Form titles noted on the separate attachments (e.g., Title: C.1. Site Investigation Documentation; C.2. Investigative Waste, etc.).
- If the documentation requested below has already been submitted to the DNR, please note the title and date of the report for that particular document requested.

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

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

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

C.4. **Construction documentation** or as-built report for any constructed remedial action or portion of, or interim action specified in s. NR 724.02(1), Wis. Adm. Code.

C.5. **Decommissioning of Remedial Systems.** Include plans to properly abandon any systems or equipment.

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

Maintenance Plan(s) and Photographs (Attachment D)

Directions for Maintenance Plans and Photographs:

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

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

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

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

D.2. **Location map(s) which show(s):** (1) the feature that requires maintenance; (2) the location of the feature(s) that require(s) maintenance - on and off the source property; (3) the extent of the structure or feature(s) to be maintained, in relation to other structures or features on the site; (4) the extent and type of residual contamination; and (5) all property boundaries.

D.3. **Photographs** for site or facilities with a cover or other performance standard, a structural impediment or a vapor mitigation system, include one or more photographs documenting the condition and extent of the feature at the time of the closure request. Pertinent features shall be visible and discernible. Photographs shall be submitted with a title related to the site name and location, and the date on which it was taken.

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

Monitoring Well Information (Attachment E)

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

Select One:

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

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

◯ ***Select One or More:***

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

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

☐ One or more monitoring wells will be transferred to another owner upon case closure being granted. Attachment E should include documentation identifying the name, address and email for the new owner(s). Provide documentation from the party accepting future responsibility for monitoring well(s).

Source Legal Documents (Attachment F)

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

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

Note: *If a property has been purchased with a land contract and the purchaser has not yet received a deed, a copy of the land contract which includes the legal description shall be submitted instead of the most recent deed. If the property has been inherited, written documentation of the property transfer should be submitted along with the most recent deed.*

F.2. **Certified Survey Map:** A copy of the certified survey map or the relevant section of the recorded plat map for those properties where the legal description in the most recent deed refers to a certified survey map or a recorded plat map. In cases where the certified survey map or recorded plat map are not legible or are unavailable, a copy of a parcel map from a county land information office may be substituted. A copy of a parcel map from a county land information office shall be legible, and the parcels identified in the legal description shall be clearly identified and labeled with the applicable parcel identification number.

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

F.4. **Signed Statement:** A statement signed by the Responsible Party (RP), which states that he or she believes that the attached legal description(s) accurately describe(s) the correct contaminated property or properties. This section applies to the source property only. Signed statements for Other Affected Properties should be included in Attachment G.

Notifications to Owners of Affected Properties (Attachment G)

Directions for Notifications to Owners of Affected Properties:
Complete the table on the following page for sites which require notification to owners of affected properties pursuant to ch. 292, Wis. Stats. and ch. NR 725 and 726, Wis. Adm. Code. Personal information collected will be used for administrative purposes and may be provided to requesters to the extent required by Wisconsin's Open Records law [ss. 19.31- 19.39,Wis. Stats.]. The DNR's "Guidance on Case Closure and the Requirements for Managing Continuing Obligations" (PUB-RR-606) lists specific notification requirements http://dnr.wi.gov/files/PDF/pubs/rr/RR606.pdf.

State law requires that the responsible party provide a 30-day, written advance notification to certain persons prior to applying for case closure. This requirement applies if: (1) the person conducting the response action does not own the source property; (2) the contamination has migrated onto another property; and/or (3) one or more monitoring wells will not be abandoned. Use form 4400-286, Notification of Continuing Obligations and Residual Contamination, at http://dnr.wi.gov/files/PDF/forms/4400/4400-286.pdf

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

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

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

Notifications to Owners of Affected Properties (Attachment G)

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

Signatures and Findings for Closure Determination

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

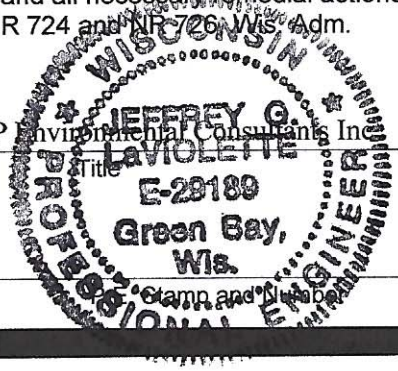
☒ A response action(s) for this site addresses groundwater contamination (including natural attenuation remedies).

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

Engineering Certification

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

Jeffery J. LaViolette	Principal - NRP Environmental Consultants Inc.
Printed Name	Title
Signature	2/13/18 Date
	Stamp and Number



Hydrogeologist Certification

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

Printed Name	Title
Signature	Date

Ambrosius Property – 1620 Grant Street – Ashwaubenon, Wisconsin
WDNR BRRTS# 02-05-551631

TABLE OF CONTENTS

Ambrosius Property – 1620 Grant Street – Ashwaubenon, Wisconsin
WDNR BRRTS# 02-05-551631

A.1. Groundwater Analytical Tables

It should be noted that the first round of groundwater samples collected on 7/29/2011 were UNFILTERED and the results may have been skewed.

Ambrosius Property – 1620 Grant Street, De Pere, Wisconsin
WDBR BRRTS# 02-05-551631

A.1. Groundwater Analytical Table:

RCRA Metals and PAH Analysis

Sample Date	7/29/2011*						W.A.C. NR 140 Table 1 - Groundwater Quality Standards Effective February 2017	
Sample ID	MW1	MW-2**	MW-3	MW-4	MW-5	MW-6		
PVC casing elevation	636.84	633.1	632.42	632.06	632.7	636.58		
Groundwater static level	7.83	6.95	4.46	4.01	5.91	6.90	WDNR PAL	WDNR ES
Groundwater elevation	629.01	626.15	627.96	628.05	626.79	629.68		
Metals - in ug/L or PPB								
Arsenic	9.3J	NA	7.9J	2.8J	6.2J	**11.0J**	1	10
Barium	266	NA	404	202	339	520	400	2,000
Cadmium	.35J	NA	<.28	<.28	.37J	.29J	0.5	5
Chromium	60.2	NA	55.7	17.4	42.5	77.4	10	100
Lead	**16.9**	NA	14.8	6.4J	14.3	**20.6**	1.5	15
Mercury	<.10	NA	<.10	<.10	<.10	<.10	0.2	2
Selenium	<2.2	NA	<2.2	<2.2	<2.2	<2.2	10	50
Silver	<.69	NA	<.69	<.69	<.69	<.69	10	50
PAH - in ug/L or PPB								
ACENAPHTHENE	<.0048	NA	<.0048	<.0048	.0050J	<.0048	NE	NE
ACENAPHTHYLENE	<.0038	NA	<.0038	<.0038	<.0038	<.0038	NE	NE
ANTHRACENE	.0067J	NA	<.0061	<.0061	<.0061	<.0061	600	3000
BENZNO(a)ANTHRACENE	<.0038	NA	<.0038	<.0038	<.0038	<.0038	NE	NE
BENZO(a)PYRENE	<.0030	NA	<.0030	<.0030	<.0030	<.0030	0.02	0.2
BENZO(b)FLUORANTHENE	<.0036	NA	<.0036	<.0036	<.0036	<.0036	0.02	0.2
BENZO(g,h,i)PERYLENE	.0061J	NA	<.0051	<.0051	.0068J	<.0051	NE	NE
BENZO(k)FLUORANTHENE	<.0046	NA	<.0046	<.0046	<.0046	<.0046	NE	NE
CHRYSENE	.0055J	NA	<.0037	<.0037	.0059J	<.0037	0.02	0.2
DIBENZO(a,h)ANTHRACENE	<.0034	NA	<.0034	<.0034	<.0034	<.0034	NE	NE
FLUORANTHENE	<.0047	NA	.0047J	.0054J	.0065J	.052J	80	400
FLUORENE	<.0051	NA	<.0051	<.0051	.0066J	<.0051	80	400
INDENO(1,2,3-cd)PYRENE	<.0050	NA	<.0050	<.0050	<.0050	<.0050	NE	NE
1-METHYLNAPHTHALENE	.0063J	NA	.014J	.013J	.025J	.0076J	NE	NE
2-METHYLNAPHTHALENE	.011J	NA	.0093J	.015J	.039J	.0094J	NE	NE
NAPHTHALENE	.018J	NA	.014J	0.064	.035J	.017J	10	100
PHENANTHRENE	<.0086	NA	<.0086	.0091J	.022J	<.0086	NE	NE
PYRENE	<.0050	NA	.011J	.0055J	.0088J	.017J	50	250

NOTES:

µg/L = parts per billion

WDNR PAL = WDNR NR 140 Preventive Action Limit

WDNR ES = WDNR NR 140 Enforcement Standard

BOLD values indicate ES exceedance

ND = Not detected above the MDL

NE - Standard is Not Established

NA - Not Analyzed

Q - Detected below the limit of quantification

J = Estimated value - below MDL

PVC Casing Elevation tied to USGS Datum

* The first sampling round was not filtered prior to laborartory analysis, and results may have been skewed high

** The well has a bailer and string tangled inside – a sample could not be collected and this will be repaired for the April 2012 sample

Ambrosius Property – 1620 Grant Street, De Pere, Wisconsin
WDBR BRRTS# 02-05-551631

A.1. Groundwater Analytical Table:

RCRA Metals and PAH Analysis

Sample Date	6/22/2012						W.A.C. NR 140 Table 1 - Groundwater Quality Standards Effective February 2017	
Sample ID	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6		
PVC casing elevation*	636.84	633.1	632.42	632.06	632.7	636.58		
Groundwater static level	8.65	7.58	5.79	5.71	6.58	7.70	WDNR PAL	WDNR ES
Groundwater elevation	628.19	625.52	626.63	626.35	626.12	628.88		
Metals - in ug/L or PPB								
Arsenic	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	1	10
Barium	43.5	68.6	170	78.8	105	135	400	2,000
Cadmium	0.42 J	<0.39	<0.39	<0.39	<0.39	<0.39	0.5	5
Chromium	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	10	100
Lead	<1.4	<1.4	<1.4	<1.4	1.4 J	<1.4	1.5	15
Mercury	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.2	2
Selenium	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	10	50
Silver	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	10	50
PAH - in ug/L or PPB								
ACENAPHTHENE	NA	<0.0045	NA	NA	NA	NA	NE	NE
ACENAPHTHYLENE	NA	<0.0036	NA	NA	NA	NA	NE	NE
ANTHRACENE	NA	0.0060 J	NA	NA	NA	NA	600	3000
BENZNO(a)ANTHRACENE	NA	<0.0036	NA	NA	NA	NA	NE	NE
BENZO(a)PYRENE	NA	<0.0029	NA	NA	NA	NA	0.02	0.2
BENZO(b)FLUORANTHENE	NA	<0.0034	NA	NA	NA	NA	0.02	0.2
BENZO(g,h,i)PERYLENE	NA	<0.0048	NA	NA	NA	NA	NE	NE
BENZO(k)FLUORANTHENE	NA	<0.0044	NA	NA	NA	NA	NE	NE
CHRYSENE	NA	<0.0035	NA	NA	NA	NA	0.02	0.2
DIBENZO(a,h)ANTHRACENE	NA	<0.0032	NA	NA	NA	NA	NE	NE
FLUORANTHENE	NA	<0.0044	NA	NA	NA	NA	80	400
FLUORENE	NA	<0.0048	NA	NA	NA	NA	80	400
INDENO(1,2,3-cd)PYRENE	NA	<0.0047	NA	NA	NA	NA	NE	NE
1-METHYLNAPHTHALENE	NA	<0.0050	NA	NA	NA	NA	NE	NE
2-METHYLNAPHTHALENE	NA	0.0061 J	NA	NA	NA	NA	NE	NE
NAPHTHALENE	NA	0.0074 J	NA	NA	NA	NA	10	100
PHENANTHRENE	NA	<0.0081	NA	NA	NA	NA	NE	NE
PYRENE	NA	<0.0047	NA	NA	NA	NA	50	250

NOTES:

µg/L = parts per billion

WDNR PAL = WDNR NR 140 Preventive Action Limit

WDNR ES = WDNR NR 140 Enforcement Standard

BOLD values indicate ES exceedance

ND = Not detected above the MDL

NE - Standard is Not Established

NA - Not Analyzed

Q - Detected below the limit of quantification

J = Estimated value - below MDL

* PVC Casing Elevation tied to USGS Datum

A.2. Soil Analytical Results Table

PAH, RCRA Metals, and PCB Analytical Results for original soil sample, resample, monitoring wells, and background locations.

Ambrosius Property – 1620 Grant Street, De Pere, Wisconsin
WDBR BRRTS# 02-05-551631

A.2. Soil Analytical Results Table:

PAH, RCRA Metals, and PCB Analysis for Orignial Soil Sample and Resample Locations

Sample ID	B-1	1-R	B-2	B-3	B-4	B-5	B-6	6-R	B-7	B-8	NR 720 Suggested generic Residual Contaminant Levels (RCL) for soil			Wisconsin Background Threshold Value (BVT)
Sample Depth (ft)	1-6	0 - 4	1-6	1-6	1-6	1-6	1-6	0 - 2	1-6	1-4				
Sample Collection Date	11/10/08	9/27/12	11/10/08	11/10/08	11/10/08	11/10/08	11/10/08	9/27/12	11/10/08	11/10/08				
PAHs - in ug/kg or PPB [1]											Groundwater Pathway	Non-Industrial Direct Contact	Industrial Direct Contact	
Acenaphthene	<180	<18.8	<98	<92	<190	<200	<210	15.0J	<180	<190	NE	3,590,000	45,200,000	NE
Acenaphthylene	<300	<18.8	<170	<160	<320	<350	<360	10.4J	<300	<320	NE	NE	NE	NE
Anthracene	85	21.5J	44	<9.2	<19	<20	33	42	19	<19	196,950	17,900,000	100,000,000	NE
Benzo (a) anthracene	220	66.8	110	<9.2	<19	46	190	107	180	62	NE	1,140	20,800	NE
Benzo (b) fluoranthene	160	99	76	<9.2	<19	<20	140	122	68	84	479	1,150	21,100	NE
Benzo (k) fluoranthene	98	107	54	<9.2	<19	34	52	140	37	53	NE	11,500	211,000	NE
Benzo (a) pyrene	**230**	105	110	<9.2	<19	29	**200**	55.1	84	110	470	115	2,100	NE
Benzo (g,h,i) perylene	150	57.7	71	<9.2	<19	<20	140	109	110	75	NE	NE	NE	NE
Chrysene	**190**	103	100	<9.2	<19	29	140	115	73	70	145	115,000	2,110,000	NE
Dibenzo (a,h) anthracene	<26	21.9J	<15	<14	<28	<31	<32	17.7J	<27	<28	NE	115	2,110	NE
Fluoranthene	600	121	230	<18	<38	<41	450	259	220	190	88,878	2,390,000	30,100,000	NE
Fluorene	<35	<18.8	<20	<18	<38	<41	<42	14.5J	<36	<38	14,830	2,390,000	30,100,000	NE
Indeno (1,2,3-cd) pyrene	160	38.5	70	<9.2	<19	<20	120	46.7	63	81	NE	1,150	21,100	NE
1-Methylnaphthalene	<110	<17.2	<59	<55	<110	<120	<130	<8.6	<110	<110	NE	17,600	72,700	NE
2-Methylnaphthalene	<88	<3.5	<49	<46	<94	<100	<110	18.9	<89	<94	NE	239,000	3,010,000	NE
Naphthalene	<110	<7.1	<59	<55	<110	<120	<130	15.7J	<110	<110	658	5,520	24,100	NE
Phenantrene	340	61.9	160	<9.2	<19	<20	290	123	81	75	NE	NE	NE	NE
Pyrene	520	166	230	<9.2	<19	<20	250	191	110	170	54,546	1,790,000	22,600,000	NE
Metals - in mg/kg or PPM [1]														
Arsenic	**1.6**	NA	<1.8	<1.7	**3.5**	**2.4**	<20	NA	<1.7	<1.8	0.542	0.677	3	8
Barium	79	NA	49	74	**100**	**120**	**160**	NA	73	99	164.8	15,300	100,000	364
Cadmium	**0.84**	NA	0.58	0.71	**1.4**	**1.2**	**1.7**	NA	0.56	0.08	0.752	71.1	985	1.0
Chromium	30	NA	21	25	49	46	61	NA	19	28	360,000	NE	NE	NE
Lead	10	NA	7.0	11	19	23	13	NA	19	7.6	27	400	800	52
Mercury	0.043	NA	0.016	0.065	0.22	0.068	0.13	NA	0.019	0.016	0.208	3.13	3.13	NE
Selenium	<4.7	NA	<5.2	<4.9	<5.0	<5.4	5.6	NA	<4.8	<5.0	0.52	391	5,840	NE
Silver	<0.13	NA	<0.14	<0.14	<0.14	0.51	<0.15	NA	<0.13	<0.014	0.8491	391	5,840	NE
PCBs - in mg/kg or PPM [1]														
PCB-1016	<0.059	NA	<0.065	<0.061	<0.063	<0.068	<0.070	NA	<0.060	<0.063	NE	4.11	28	NE
PCB-1221	<0.059	NA	<0.065	<0.061	<0.063	<0.068	<0.070	NA	<0.060	<0.063	NE	0.213	0.883	NE
PCB-1232	<0.059	NA	<0.065	<0.061	<0.063	<0.068	<0.070	NA	<0.060	<0.063	NE	0.19	0.792	NE
PCB-1242	<0.059	NA	<0.065	<0.061	<0.063	<0.068	<0.070	NA	<0.060	<0.063	NE	0.235	0.972	NE
PCB-1248	<0.059	NA	<0.065	<0.061	<0.063	<0.068	<0.070	NA	<0.060	<0.063	NE	0.236	0.975	NE
PCB-1254	<0.059	NA	<0.065	<0.061	<0.063	<0.068	<0.070	NA	<0.060	<0.063	NE	0.239	0.988	NE
PCB-1260	<0.059	NA	<0.065	<0.061	<0.063	<0.068	<0.070	NA	<0.060	<0.063	NE	0.243	1	NE

1 - ug/kg means micrograms per kilogram, PPB means parts per billion, mg/kg means milligrams per kilogram, and PPM means parts per million.

Bolded concentrations exceed an established standard or residual conmtamination level (RCL).

< means less than.

Ambrosius Property – 1620 Grant Street, De Pere, Wisconsin
WDBR BRRTS# 02-05-551631

A.2. Soil Analytical Results Table:

PAH, RCRA Metals, and PCB Analysis for Orignial Soil Sample and Resample Locations

Sample ID	B-9	B-10	10-R	B-11	B-12	B-13	13-R	B-14	B-15	15-R	NR 720 Suggested generic Residual Contaminant Levels (RCL) for soil			Wisconsin Background Threshold Value (BVT)
Sample Depth (ft)	1-5	1-6	0 - 2	1-6	1-6	1-6	0 - 2.5	1-7	1-6	0-2.5				
Sample Collection Date	11/10/08	11/10/08	9/27/12	11/10/08	11/10/08	11/10/08	9/27/12	11/10/08	11/10/08	9/27/12				
PAHs - in ug/kg or PPB [1]											Groundwater Pathway	Non-Industrial Direct Contact	Industrial Direct Contact	
Acenaphthene	<190	<470	<9.2	<200	<310	<240	<10	<120	<140	<10.5	NE	3,590,000	45,200,000	NE
Acenaphthylene	<320	<790	<9.2	<340	<520	<400	<10	<200	<240	11.7J	NE	NE	NE	NE
Anthracene	<19	<47	<1.9	<20	<31	270	2.5J	30	52	14.2J	196,950	17,900,000	100,000,000	NE
Benzo (a) anthracene	20	280	<9.2	<20	38	470	<10	110	94	27.3	NE	1,140	20,800	NE
Benzo (b) fluoranthene	20	380	<9.2	23	44	370	<10	75	50	42.9	479	1,150	21,100	NE
Benzo (k) fluoranthene	19	190	9.0J	22	<31	190	13.3J	47	58	66	NE	11,500	211,000	NE
Benzo (a) pyrene	26	**510**	9.7J	38	71	**480**	<10	110	**120**	48.3	470	115	2,100	NE
Benzo (g,h,i) perylene	<19	380	<9.2	25	52	300	<10	82	68	42.9	NE	NE	NE	NE
Chrysene	19	**230**	8.9J	21	42	**380**	12.2J	82	90	61.2	145	115,000	2,110,000	NE
Dibenzo (a,h) anthracene	<28	<70	<9.2	<30	<46	40	<10	<17	<21	10.6J	NE	115	2,110	NE
Fluoranthene	52	520	10.1J	46	110	1,400	16.1	240	250	127	88,878	2,390,000	30,100,000	NE
Fluorene	<37	<93	<9.2	<40	<61	<47	<10	<23	<29	<10.5	14,830	2,390,000	30,100,000	NE
Indeno (1,2,3-cd) pyrene	<19	340	<9.2	<20	59	280	<10	71	54	31.6	NE	1,150	21,100	NE
1-Methylnaphthalene	<110	<280	<8.4	<120	<180	<140	<9.1	<70	<86	<9.6	NE	17,600	72,700	NE
2-Methylnaphthalene	<93	<230	2.3J	<99	<150	<120	3.5J	<58	<71	9.5J	NE	239,000	3,010,000	NE
Naphthalene	<110	<280	<3.5	<120	<180	140	<3.8	<70	<86	8.3J	658	5,520	24,100	NE
Phenantrene	22	150	4.5J	<20	39	1,000	9.4J	110	180	85.2	NE	NE	NE	NE
Pyrene	49	460	<9.2	46	94	1,300	12.6J	200	240	97.7	54,546	1,790,000	22,600,000	NE
Metals - in mg/kg or PPM [1]														
Arsenic	<1.7	<1.7	NA	<1.6	<1.7	1.7	NA	<1.6	4.2	NA	0.542	0.677	3	8
Barium	75	90	NA	87	73	79	NA	73	120	NA	164.8	15,300	100,000	364
Cadmium	0.75	**0.94**	NA	**1.0**	**0.86**	**0.78**	NA	0.75	**1.8**	NA	0.752	71.1	985	1.0
Chromium	26	27	NA	34	25	32	NA	25	170	NA	360,000	NE	NE	NE
Lead	10	16	NA	14	14	12	NA	10	65	NA	27	400	800	52
Mercury	0.038	0.028	NA	0.022	0.057	0.054	NA	0.028	0.045	NA	0.208	3.13	3.13	NE
Selenium	<5.0	<5.0	NA	<4.5	<4.9	<4.7	NA	<4.7	<4.6	NA	0.52	391	5,840	NE
Silver	<0.14	<0.14	NA	<0.12	<0.13	<0.13	NA	<0.13	3.4	NA	0.8491	391	5,840	NE
PCBs - in mg/kg or PPM [1]														
PCB-1016	<0.062	<0.062	NA	<0.056	<0.061	<0.059	NA	<0.058	<0.057	NA	NE	4.11	28	NE
PCB-1221	<0.062	<0.062	NA	<0.056	<0.061	<0.059	NA	<0.058	<0.057	NA	NE	0.213	0.883	NE
PCB-1232	<0.062	<0.062	NA	<0.056	<0.061	<0.059	NA	<0.058	<0.057	NA	NE	0.19	0.792	NE
PCB-1242	<0.062	<0.062	NA	<0.056	<0.061	<0.059	NA	<0.058	<0.057	NA	NE	0.235	0.972	NE
PCB-1248	<0.062	<0.062	NA	<0.056	<0.061	<0.059	NA	<0.058	<0.057	NA	NE	0.236	0.975	NE
PCB-1254	<0.062	<0.062	NA	<0.056	<0.061	<0.059	NA	<0.058	<0.057	NA	NE	0.239	0.988	NE
PCB-1260	<0.062	<0.062	NA	<0.056	<0.061	<0.059	NA	<0.058	<0.057	NA	NE	0.243	1	NE

1 - ug/kg means micrograms per kilogram, PPB means parts per billion, mg/kg means milligrams per kilogram, and PPM means parts per million.

Bolded concentrations exceed an established standard or suggested generic residual conmtamination level (RCL).

< means less than.

Ambrosius Property – 1620 Grant Street, De Pere, Wisconsin
WDBR BRRTS# 02-05-551631

A.2. Soil Analytical Results Table:

PAH, RCRA Metals, and PCB Analysis for Orignial Soil Sample and Resample Locations

Sample ID	B-16	B-17	B-18	B-19	19-R	B-20	B-21	21-R	B-22	B-23	NR 720 Suggested generic Residual Contaminant Levels (RCL) for soil			Wisconsin Background Threshold Value (BVT)
Sample Depth (ft)	1-6	1-6	1-7	1-5	0-2	1-5	1-6	0-2.5	1-5	1-4				
Sample Collection Date	11/10/08	11/10/08	11/10/08	11/10/08	9/27/12	11/10/08	11/10/08	9/27/12	11/10/08	11/11/08				
PAHs - in ug/kg or PPB [1]											Groundwater Pathway	Non-Industrial Direct Contact	Industrial Direct Contact	
Acenaphthene	<110	<100	<280	<350	<9.4	<100	<370	<9.8	<180	<88	NE	3,590,000	45,200,000	NE
Acenaphthylene	<180	<180	<480	<600	<9.4	<170	<620	<9.8	<300	<150	NE	NE	NE	NE
Anthracene	<11	<10	<28	61	14.8J	<10	2,200	<2.0	<18	<8.8	196,950	17,900,000	100,000,000	NE
Benzo (a) anthracene	20	<10	<28	280	71.3	<10	**3,300**	<9.8	31	18	NE	1,140	20,800	NE
Benzo (b) fluoranthene	26	<10	<28	320	115	<10	**2,900**	<9.8	44	19	479	1,150	21,100	NE
Benzo (k) fluoranthene	<11	<10	<28	170	134	<10	1,200	6.4J	19	13	NE	11,500	211,000	NE
Benzo (a) pyrene	21	<10	<28	**360**	75.7	<10	**3,600**	<9.8	34	23	470	115	2,100	NE
Benzo (g,h,i) perylene	18	<10	<28	320	102	<10	2,400	<9.8	27	19	NE	NE	NE	NE
Chrysene	18	<10	<28	**270**	116	<10	**3,100**	6.2J	28	15	145	115,000	2,110,000	NE
Dibenzo (a,h) anthracene	<16	<16	<42	<53	18.2J	<15	**400**	<9.8	<27	<13	NE	115	2,110	NE
Fluoranthene	52	<21	<57	850	213	<20	15,000	10.2J	81	45	88,878	2,390,000	30,100,000	NE
Fluorene	<21	<21	<57	<70	<9.4	<20	570	<9.8	<35	<18	14,830	2,390,000	30,100,000	NE
Indeno (1,2,3-cd) pyrene	17	<10	<28	250	53.1	<10	**2,400**	<9.8	31	20	NE	1,150	21,100	NE
1-Methylnaphthalene	<64	<63	<170	<210	<8.5	<61	<220	<9.0	<110	<53	NE	17,600	72,700	NE
2-Methylnaphthalene	<53	<52	<140	<180	3.4J	<51	<180	2.4J	<88	<44	NE	239,000	3,010,000	NE
Naphthalene	<64	<63	<170	<210	<3.5	<61	<220	<3.7	<110	<53	658	5,520	24,100	NE
Phenantrene	28	<10	<28	470	96.6	<10	9,800	5.0J	47	20	NE	NE	NE	NE
Pyrene	43	<10	31	730	205	<10	14,000	<9.8	78	41	54,546	1,790,000	22,600,000	NE
Metals - in mg/kg or PPM [1]														
Arsenic	<1.7	<1.7	<1.6	<1.6	NA	<1.6	<1.7	NA	<1.6	<1.6	0.542	0.677	3	8
Barium	85	79	47	56	NA	50	59	NA	76	81	164.8	15,300	100,000	364
Cadmium	**1.0**	**0.83**	0.46	0.41	NA	0.45	0.6	NA	0.69	**0.99**	0.752	71.1	985	1.0
Chromium	34	27	16	19	NA	17	18	NA	26	31	360,000	NE	NE	NE
Lead	4.3	7.9	8.5	13	NA	7.7	8.3	NA	8.0	7.4	27	400	800	52
Mercury	0.018	0.018	0.02	0.025	NA	0.013	0.022	NA	0.019	0.021	0.208	3.13	3.13	NE
Selenium	<4.8	<4.8	<4.5	<4.7	NA	<4.6	<4.9	NA	<4.7	<4.7	0.52	391	5,840	NE
Silver	<0.13	<0.13	<0.12	<0.13	NA	<0.13	<0.13	NA	<0.13	<0.13	0.8491	391	5,840	NE
PCBs - in mg/kg or PPM [1]														
PCB-1016	<0.061	<0.060	<0.057	<0.059	NA	<0.058	<0.061	NA	<0.059	<0.059	NE	4.11	28	NE
PCB-1221	<0.061	<0.060	<0.057	<0.059	NA	<0.058	<0.061	NA	<0.059	<0.059	NE	0.213	0.883	NE
PCB-1232	<0.061	<0.060	<0.057	<0.059	NA	<0.058	<0.061	NA	<0.059	<0.059	NE	0.19	0.792	NE
PCB-1242	<0.061	<0.060	<0.057	<0.059	NA	<0.058	<0.061	NA	<0.059	<0.059	NE	0.235	0.972	NE
PCB-1248	<0.061	<0.060	<0.057	<0.059	NA	<0.058	<0.061	NA	<0.059	<0.059	NE	0.236	0.975	NE
PCB-1254	<0.061	<0.060	<0.057	<0.059	NA	<0.058	<0.061	NA	<0.059	<0.059	NE	0.239	0.988	NE
PCB-1260	<0.061	<0.060	<0.057	<0.059	NA	<0.058	<0.061	NA	<0.059	<0.059	NE	0.243	1	NE

1 - ug/kg means micrograms per kilogram, PPB means parts per billion, mg/kg means milligrams per kilogram, and PPM means parts per million.

Bolded concentrations exceed an established standard or suggested generic residual conmtamination level (RCL).

< means less than.

Ambrosius Property – 1620 Grant Street, De Pere, Wisconsin
WDBR BRRTS# 02-05-551631

A.2. Soil Analytical Results Table:

PAH, RCRA Metals, and PCB Analysis for Orignial Soil Sample and Resample Locations

Sample ID	B-24	B-25	B-26	B-27	27-R	27-R-R	27-R-R	B-28	B-29	NR 720 Suggested generic Residual Contaminant Levels (RCL) for soil			Wisconsin Background Threshold Value (BVT)
Sample Depth (ft)	2-4	1-4	1-4	1-4	0-2	0-2	0-2	1-6	1-4				
Sample Collection Date	11/11/08	11/11/08	11/11/08	11/11/08	9/27/12	5/21/14	5/18/16	11/11/08	11/11/08				
PAHs - in ug/kg or PPB [1]										Groundwater Pathway	Non-Industrial Direct Contact	Industrial Direct Contact	
Acenaphthene	<64	<56	<59	<110	<10.1	<11.0	<9.9	<100	<75	NE	3,590,000	45,200,000	NE
Acenaphthylene	<110	<95	<100	<180	<10.1	<9.9	<8.8	<180	<130	NE	NE	NE	NE
Anthracene	<6.4	<5.6	<5.9	51	4.4J	18.8J	<10.2	37	<7.5	196,950	17,900,000	100,000,000	NE
Benzo (a) anthracene	<6.4	<5.6	<5.9	130	10.8J	74	19.4J	90	16	NE	1,140	20,800	NE
Benzo (b) fluoranthene	<6.4	<5.6	<5.9	110	13.8J	94	27	81	17	479	1,150	21,100	NE
Benzo (k) fluoranthene	<6.4	<5.6	<5.9	62	9.8J	102	36	46	9.0	NE	11,500	211,000	NE
Benzo (a) pyrene	<6.4	<5.6	<5.9	**150**	10.9J	60	24	**120**	21	470	115	2,100	NE
Benzo (g,h,i) perylene	<6.4	<5.6	<5.9	97	12.2J	98	15.0J	80	14	NE	NE	NE	NE
Chrysene	<6.4	<5.6	<5.9	110	16.3J	97	29	84	13	145	115,000	2,110,000	NE
Dibenzo (a,h) anthracene	<9.5	<8.4	<8.9	<16	<10.1	16.8J	<7.2	<15	<11	NE	115	2,110	NE
Fluoranthene	<13	<11	<12	280	20.4	164	37	250	32	88,878	2,390,000	30,100,000	NE
Fluorene	<13	<11	<12	<21	<10.1	<11.0	<9.9	22	<15	14,830	2,390,000	30,100,000	NE
Indeno (1,2,3-cd) pyrene	<6.4	<5.6	<5.9	81	11.9J	60	20	88	14	NE	1,150	21,100	NE
1-Methylnaphthalene	<38	<33	<36	<64	<9.2	<11.0	<9.9	<62	<45	NE	17,600	72,700	NE
2-Methylnaphthalene	<32	<28	<30	<53	9.4J	15.5J	<9.9	<52	<37	NE	239,000	3,010,000	NE
Naphthalene	<38	<33	<36	<64	7.7J	13.3J	<9.9	<62	<45	658	5,520	24,100	NE
Phenantrene	<6.4	<5.6	<5.9	180	11.7J	65	17.1J	180	18	NE	NE	NE	NE
Pyrene	<6.4	<5.6	<5.9	300	16.4J	130	28	230	31	54,546	1,790,000	22,600,000	NE
Metals - in mg/kg or PPM [1]													
Arsenic	<1.8	**1.7**	**3.3**	3.8	NA	NA	NA	<1.6	<1.7	0.542	0.677	3	8
Barium	88	91	79	130	NA	NA	NA	100	81	164.8	15,300	100,000	364
Cadmium	**0.89**	**0.79**	0.41	**1.6**	NA	NA	NA	**1.7**	0.6	0.752	71.1	985	1.0
Chromium	32	30	24	48	NA	NA	NA	92	29	360,000	NE	NE	NE
Lead	5.0	6.9	6.4	13	NA	NA	NA	23	6.9	27	400	800	52
Mercury	0.017	<0.011	0.014	0.044	NA	NA	NA	0.13	0.028	0.208	3.13	3.13	NE
Selenium	<5.1	<4.5	<4.7	<4.9	NA	NA	NA	<4.7	<4.8	0.52	391	5,840	NE
Silver	<0.14	<0.12	<0.13	<0.13	NA	NA	NA	0.18	<0.13	0.8491	391	5,840	NE
PCBs - in mg/kg or PPM [1]													
PCB-1016	<0.064	<0.056	<0.059	<0.061	NA	NA	NA	<0.059	<0.060	NE	4.11	28	NE
PCB-1221	<0.064	<0.056	<0.059	<0.061	NA	NA	NA	<0.059	<0.060	NE	0.213	0.883	NE
PCB-1232	<0.064	<0.056	<0.059	<0.061	NA	NA	NA	<0.059	<0.060	NE	0.19	0.792	NE
PCB-1242	<0.064	<0.056	<0.059	<0.061	NA	NA	NA	<0.059	<0.060	NE	0.235	0.972	NE
PCB-1248	<0.064	<0.056	<0.059	<0.061	NA	NA	NA	<0.059	<0.060	NE	0.236	0.975	NE
PCB-1254	<0.064	<0.056	<0.059	<0.061	NA	NA	NA	<0.059	<0.060	NE	0.239	0.988	NE
PCB-1260	<0.064	<0.056	<0.059	0.28	NA	NA	NA	<0.059	<0.060	NE	0.243	1	NE

1 - ug/kg means micrograms per kilogram, PPB means parts per billion, mg/kg means milligrams per kilogram, and PPM means parts per million.

Bolded concentrations exceed an established standard or suggested generic residual conmtamination level (RCL).

< means less than.

Ambrosius Property – 1620 Grant Street, De Pere, Wisconsin
WDBR BRRTS# 02-05-551631

A.2. Soil Analytical Results Table:

PAH, RCRA Metals, and PCB Analysis for Orignial Soil Sample and Resample Locations

Sample ID	B-30	R-30	30-R-R	B-31	B-32	B-33	B-34	B-35	NR 720 Suggested generic Residual Contaminant Levels (RCL) for soil			Wisconsin Background Threshold Value (BVT)
Sample Depth (ft)	1-4	0-2	0-2	1-4	1-4	1-2.5	1-4	1-4				
Sample Collection Date	11/11/08	9/27/12	5/21/14	11/11/08	11/11/08	11/11/08	11/11/08	11/11/08				
PAHs - in ug/kg or PPB [1]									Groundwater Pathway	Non-Industrial Direct Contact	Industrial Direct Contact	
Acenaphthene	<110	229	<10.4	<190	<150	<170	<180	<170	NE	3,590,000	45,200,000	NE
Acenaphthylene	<190	<96.9	<9.3	<320	<250	<300	<300	<300	NE	NE	NE	NE
Anthracene	240	600	<10.8	<19	34	<17	<18	<17	196,950	17,900,000	100,000,000	NE
Benzo (a) anthracene	**1,700**	**1,160**	<7.2	22	98	19	<18	28	NE	1,140	20,800	NE
Benzo (b) fluoranthene	640	**1,280**	<7.4	55	78	<17	<18	39	479	1,150	21,100	NE
Benzo (k) fluoranthene	190	1,410	<10.4	27	53	<17	<18	<17	NE	11,500	211,000	NE
Benzo (a) pyrene	**560**	**793**	<7.9	34	110	26	<18	25	470	115	2,100	NE
Benzo (g,h,i) perylene	320	940	<11.5	27	85	<17	<18	<17	NE	NE	NE	NE
Chrysene	**560**	**1,300**	<9.6	36	74	<17	<18	20	145	115,000	2,110,000	NE
Dibenzo (a,h) anthracene	47	**240**	<7.6	<28	<22	<26	<27	<26	NE	115	2,110	NE
Fluoranthene	1,400	3,280	<10.4	48	270	<35	<35	36	88,878	2,390,000	30,100,000	NE
Fluorene	77	266	<10.4	<38	<29	<35	<35	<35	14,830	2,390,000	30,100,000	NE
Indeno (1,2,3-cd) pyrene	210	703	<7.9	<19	77	<17	<18	<17	NE	1,150	21,100	NE
1-Methylnaphthalene	<65	<88.5	<10.4	<110	<87	<100	<110	<100	NE	17,600	72,700	NE
2-Methylnaphthalene	<55	45.1J	<10.4	<94	<73	<87	<88	<87	NE	239,000	3,010,000	NE
Naphthalene	<65	160J	14.1J	<110	<87	<100	<110	<100	658	5,520	24,100	NE
Phenantrene	850	2,210	<10.4	<19	140	<17	<18	<17	NE	NE	NE	NE
Pyrene	1,600	2,250	<10.4	27	220	29	<18	<17	54,546	1,790,000	22,600,000	NE
Metals - in mg/kg or PPM [1]												
Arsenic	2.1	NA	NA	2.2	<1.6	2.8	<1.7	<1.6	0.542	0.677	3	8
Barium	130	NA	NA	120	100	72	70	65	164.8	15,300	100,000	364
Cadmium	**1.1**	NA	NA	**1.2**	**1.1**	**1.3**	0.57	0.7	0.752	71.1	985	1.0
Chromium	45	NA	NA	50	33	27	24	26	360,000	NE	NE	NE
Lead	8.5	NA	NA	14	9.1	17	8.3	5.5	27	400	800	52
Mercury	0.04	NA	NA	0.033	0.022	0.037	0.029	0.022	0.208	3.13	3.13	NE
Selenium	<5.0	NA	NA	<5.0	<4.7	<4.6	<4.7	<4.6	0.52	391	5,840	NE
Silver	<0.14	NA	NA	<0.14	<0.13	<0.13	<0.13	<0.13	0.8491	391	5,840	NE
PCBs - in mg/kg or PPM [1]												
PCB-1016	<0.062	NA	NA	<0.063	<0.058	<0.058	<0.059	<0.058	NE	4.11	28	NE
PCB-1221	<0.062	NA	NA	<0.063	<0.058	<0.058	<0.059	<0.058	NE	0.213	0.883	NE
PCB-1232	<0.062	NA	NA	<0.063	<0.058	<0.058	<0.059	<0.058	NE	0.19	0.792	NE
PCB-1242	<0.062	NA	NA	<0.063	<0.058	<0.058	<0.059	<0.058	NE	0.235	0.972	NE
PCB-1248	<0.062	NA	NA	<0.063	<0.058	<0.058	<0.059	<0.058	NE	0.236	0.975	NE
PCB-1254	<0.062	NA	NA	<0.063	<0.058	<0.058	<0.059	<0.058	NE	0.239	0.988	NE
PCB-1260	<0.062	NA	NA	<0.063	<0.058	<0.058	<0.059	<0.058	NE	0.243	1	NE

1 - ug/kg means micrograms per kilogram, PPB means parts per billion, mg/kg means milligrams per kilogram, and PPM means parts per million.

Bolded concentrations exceed an established standard or suggested generic residual conmtamination level (RCL).

< means less than.

Ambrosius Property – 1620 Grant Street, De Pere, Wisconsin
A.2. Soil Analytical Results Table:

PAH and RCRA Metals Analytical Results from Soil Borings and Background Soil Sample Locations

Sample ID	MW-1-2.5'	MW-2 1-2'	3-2	4 0-2	5 0-2	6-1	S-1	S-2	S-3	BG-1	BG-2	BG-3	BG-4	NR 720 Suggested generic Residual Contaminant Levels (RCL) for soil			Wisconsin Background Threshold Value (BVT)
Sample Depth (ft)	2.5	1-2	0-2	1-4	1-4	1-2.5	0-1	0-1	0-1	0-1	0-1	0-1	0-1				
Sample Collection Date	6/2/11		7/22/11				7/29/11			9/27/12							
PAHs - in ug/kg or PPB [1]														Groundwater Pathway	Non-Industrial Direct Contact	Industrial Direct Contact	
Acenaphthene	<2.9	<3.1	<3.0	<3.0	<3.0	4.5J	<3.1	<2.9	<3.1	<9.5	<9.6	<9.9	<10.5	NE	3,590,000	45,200,000	NE
Acenaphthylene	<3.3	<3.0	<3.4	<3.5	<3.4	<3.4	<3.5	<3.3	<3.5	<9.5	<9.6	<9.9	<10.5	NE	NE	NE	NE
Anthracene	<4.9	<5.1	<5.0	<5.0	<4.9	9.6J	<5.1	<4.8	<5.1	<2.0	<2.0	<2.0	<2.1	196,950	17,900,000	100,000,000	NE
Benzo (a) anthracene	<3.0	4.8 J	<3.0	<3.1	<3.0	<3.0	<3.1	<2.9	<3.1	<9.5	<9.6	<9.9	<10.5	NE	1,140	20,800	NE
Benzo (b) fluoranthene	<3.6	5.3J	<3.7	<3.8	<3.7	<3.7	<3.8	<3.6	4.1J	11.8J	10.3J	5.9J	16.4J	479	1,150	21,100	NE
Benzo (k) fluoranthene	<3.9	4.6J	<4.0	<4.0	<3.9	<3.9	<4.0	<3.8	<4.1	<9.5	<9.6	<9.9	10.8J	NE	11,500	211,000	NE
Benzo (a) pyrene	<3.4	4.8J	<3.5	<3.5	<3.5	<3.5	<3.6	<3.4	4.0J	<9.5	<9.6	<9.9	<10.5	470	115	2,100	NE
Benzo (g,h,i) perylene	<2.8	3.6J	<2.8	<2.9	<2.8	<2.8	<2.9	<2.7	3.4J	<9.5	<9.6	<9.9	<10.5	NE	NE	NE	NE
Chrysene	<3.8	5.5J	<3.9	<3.9	<3.8	<3.8	<3.9	<3.7	<4.0	10.5J	10.3J	5.7J	15.2J	145	115,000	2,110,000	NE
Dibenzo (a,h) anthracene	<5.7	<6.0	<5.8	<5.9	<5.8	<5.8	<5.9	<5.6	<6.0	<9.5	<9.6	<9.9	<10.5	NE	115	2,110	NE
Fluoranthene	<10.5	<11	<10.7	<10.8	<10.6	<10.6	<10.9	<10.3	<11.0	15.8J	20.3	<9.9	23.7	88,878	2,390,000	30,100,000	NE
Fluorene	<5.2	<5.5	<5.3	<5.4	<5.3	7.2 J	<5.4	<5.1	<5.5	<9.5	<9.6	<9.9	<10.5	14,830	2,390,000	30,100,000	NE
Indeno (1,2,3-cd) pyrene	<3.0	<3.1	<3.0	<3.1	<3.0	<3.0	<3.1	<2.9	<3.1	<9.5	<9.6	<9.9	<10.5	NE	1,150	21,100	NE
1-Methylnaphthalene	<3.2	<3.0	<3.3	<3.3	4.3J	36.1	<3.3	<3.1	<3.4	<8.7	<8.7	<9.0	<9.5	NE	17,600	72,700	NE
2-Methylnaphthalene	<3.2	<3.3	3.9 J	<3.3	10J	13.8J	<3.3	<3.1	<3.4	3.5J	3.6J	2.3J	16.0J	NE	239,000	3,010,000	NE
Naphthalene	<3.7	<3.8	10.5 J	<3.8	<3.7	4.2J	<3.8	<3.6	<3.9	<3.6	<3.6	<3.7	10.4J	658	5,520	24,100	NE
Phenantrene	<4.6	6.8J	<4.7	<4.8	<4.6	46.7	<4.8	<4.5	<4.9	7.3J	9.5J	5.9J	12.5J	NE	NE	NE	NE
Pyrene	<3.8	<3.8	<3.9	<4.0	<3.9	19.9J	<4.0	<3.8	.47J	11.0J	12.9J	<9.9	15.5J	54,546	1,790,000	22,600,000	NE
Metals - in mg/kg or PPM [1]																	
Arsenic	**7.1**	**3.3**	**3.1**	**3.2**	**5.3**	**5.8**	**2.6**	**2.6**	**4.6**	NA	NA	NA	NA	0.542	0.677	3	8
Barium	138	150	145	135	94.5	**211**	124	88.1	147	NA	NA	NA	NA	164.8	15,300	100,000	364
Cadmium	.12J	.54J	.49J	.48J	.091J	.037J	.30J	.22J	.35J	NA	NA	NA	NA	0.752	71.1	985	1.0
Chromium	40.8	44.2	44.1	39.9	35.4	52.8	36.4	32.8	41.2	NA	NA	NA	NA	360,000	NE	NE	NE
Lead	9.9	14.2	12.9	13.2	8.8	13.3	11.9	9.5	14.5	NA	NA	NA	NA	27	400	800	52
Mercury	0.02	0.024	0.016	0.024	0.018	0.037	0.022	0.019	0.025	NA	NA	NA	NA	0.208	3.13	3.13	NE
Selenium	<.35	.72J	<.35	.59J	<.35	<.36	.57J	.31J	.41J	NA	NA	NA	NA	0.52	391	5,840	NE
Silver	<.10	.19J	<.10	<1.0	<.10	<.11	.11J	.11J	.14J	NA	NA	NA	NA	0.8491	391	5,840	NE

1 - ug/kg means micrograms per kilogram, PPB means parts per billion, mg/kg means milligrams per kilogram, and PPM means parts per million.
Bolded concentrations exceed an established standard or suggested generic residual conmtamination level (RCL).
< means less than.

A.3. Residual Soil Contamination Tables

Not Applicable. No significant soil above the applicable RCL.

A.4. Vapor Analytical Tables

No vapor migration assessment was conducted for this site. No vapor assessment was requested by the Department. Contaminants of concern are generally non-volatile, and non-explosive.

A.5. Other Media of Concern

Not Applicable. No Data - No other media was investigated during the course of the site investigation.

Ambrosius Property – 1620 Grant Street – Ashwaubenon, Wisconsin
WDNR BRRTS# 02-05-551631

A.6. Water Level Elevations

Ambrosius Property – 1620 Grant Street, De Pere, Wisconsin
WDBR BRRTS# 02-05-551631

A.6. Groundwater Elevation Table:

Well ID	Collection Date	7/29/2011	6/22/2012	7/29/2011	6/22/2012
	TOC Elevation - USGS Datum	Water Table Elevation		Depth to water (feet)	
MW-1	636.84	629.01	628.19	7.83	8.65
MW-2	633.10	626.15	625.52	6.95	7.58
MW-3	632.42	627.96	626.63	4.46	5.79
MW-4	632.06	628.08	626.35	4.01	5.71
MW-5	632.70	626.79	626.12	5.91	6.58
MW-6	636.58	629.68	628.88	6.90	7.70

A.7. Other

No Data. Regarding Natural Attenuation; Contaminant concentrations are below RCL's. Decrease in contaminants is evident in sample analytical results.

Ambrosius Property – 1620 Grant Street – Ashwaubenon, Wisconsin
WDNR BRRTS# 02-05-551631

TABLE OF CONTENTS

Ambrosius Property – 1620 Grant Street – Ashwaubenon, Wisconsin
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B.1.a. Site Location Map

B.1.a. Site Location Map

Ambrosius Property – 1620 Grant Street – Ashwaubenon, Wisconsin
WDNR BRRTS# 02-05-551631

B.1.b. Detailed Site Map

B.1.b. Detailed Site Map

Ambrosius Property - 1620 Grant Street, Ashwaubenon

LEGEND

⊗ = Monitoring Well Location

A map key (legend) and other information about this map is available at: **maps.gis.co.brown.wi.us**

Geographic Information System (GIS) data provided by: Brown County Planning & Land Services Department

Brown County is not responsible for user-drawn graphics that may have been added to this GIS base map.

This map is intended for advisory purposes only. It is based on sources believed to be reliable, but Brown County distributes this information on an "As Is" basis. No warranties are implied. Boundaries shown on this map are general representations only and should not be used for legal documentation, boundary survey determinations, or other property boundary issues.

11/16/2017
Scale 1:2400

Ambrosius Property – 1620 Grant Street – Ashwaubenon, Wisconsin
WDNR BRRTS# 02-05-551631

B.1.c. RR Site Map

B.1.c. RR Sites Map

Legend

- Open Site (ongoing cleanup)
- Closed Site (completed cleanup)
- Municipality
- State Boundaries
- County Boundaries
- Major Roads
  - Interstate Highway
  - State Highway
  - US Highway
- County and Local Roads
  - County HWY
  - Local Road
- Railroads
- Tribal Lands

0.5 0 0.25 0.5 Miles

NAD_1983_HARN_Wisconsin_TM

1: 15,840

Note: Not all sites are mapped.

Notes

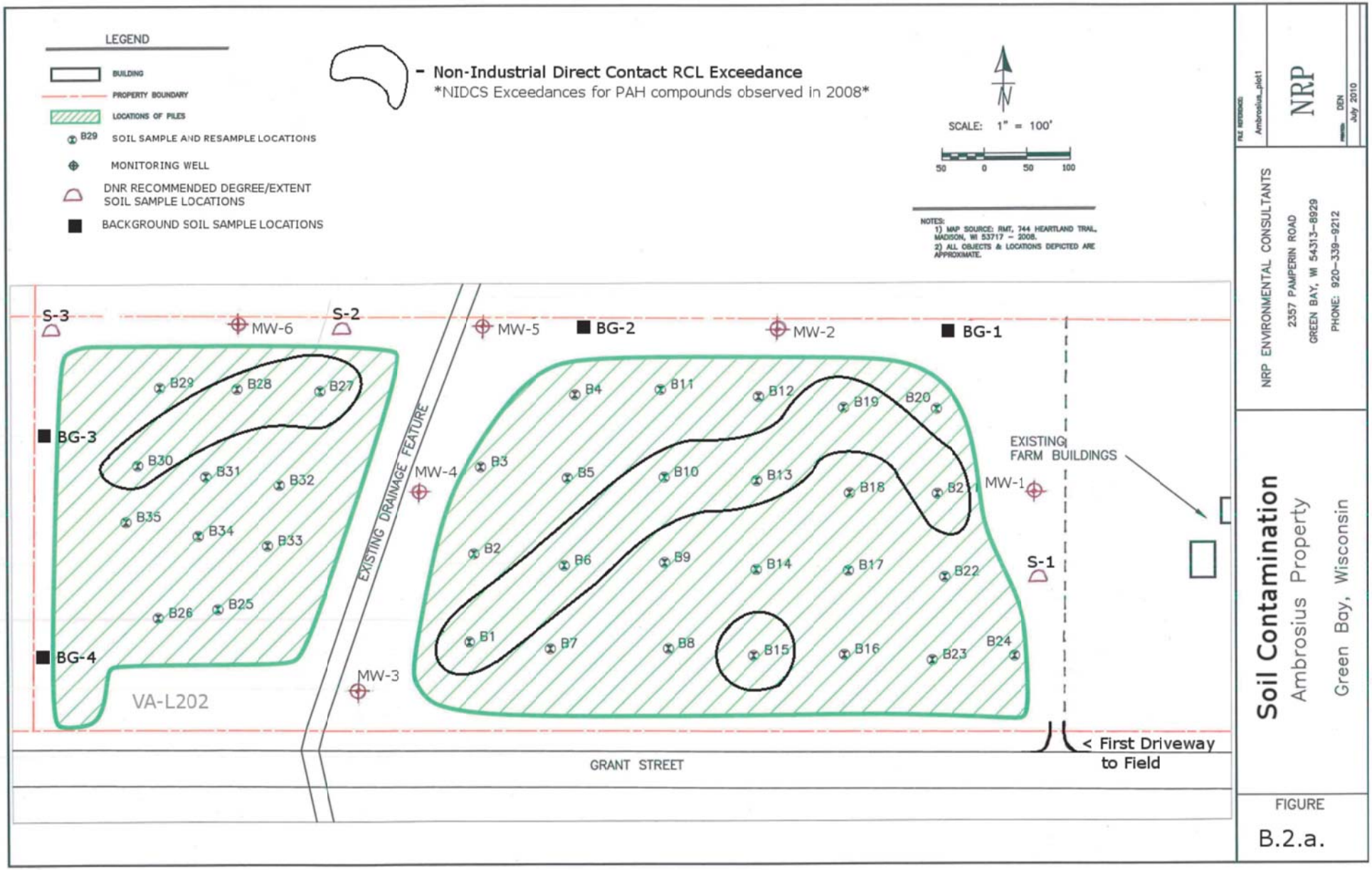
WDNR BRRTS RR Site Map with 2015 Aerial Photo

Blue circle represents approximate 1/2 Mile Radius

Ambrosius Property – 1620 Grant Street – Ashwaubenon, Wisconsin
WDNR BRRTS# 02-05-551631

B.2.a. Soil Contamination Map

Soil sample locations with soil PAH RCL exceedances. All exceedances are from soil sample analysis conducted in 2008.



FILE REFERENCE: Ambrosius_plot1

NRP

DSN
July 2010

NRP ENVIRONMENTAL CONSULTANTS
2357 PAMPERIN ROAD
GREEN BAY, WI 54313-8929
PHONE: 920-339-9212

Soil Contamination

Ambrosius Property

Green Bay, Wisconsin

FIGURE

B.2.a.

B.2.b. Residual Soil Contamination

Not applicable. No significant soil above applicable RCL's.

B.3.a. Geologic Cross-Section Figure(s)

No Data. Geologic Cross-Sections were not generated for this investigation. In general, the soil profile across the site included a topsoil layer from 0 to 0.5-1.0 feet, underlain by fill material to 4-6.5 feet, with native silty clay with some sand to the end of most borings (10 or 15 feet Below Surface Grade). Bedrock was not encountered. The water table observed in monitoring wells onsite ranged from 626.12 in MW-5 (6/22/12) and 629.68 in MW-6 (7/22/11).

B.3.b. Groundwater Isoconcentration

No Data. Groundwater Sampling in 2012 returned NO DETECTS of RCRA Metals, or PAH. There are **NO** NR140 PAL or ES exceedances at the site.

Ambrosius Property – 1620 Grant Street – Ashwaubenon, Wisconsin
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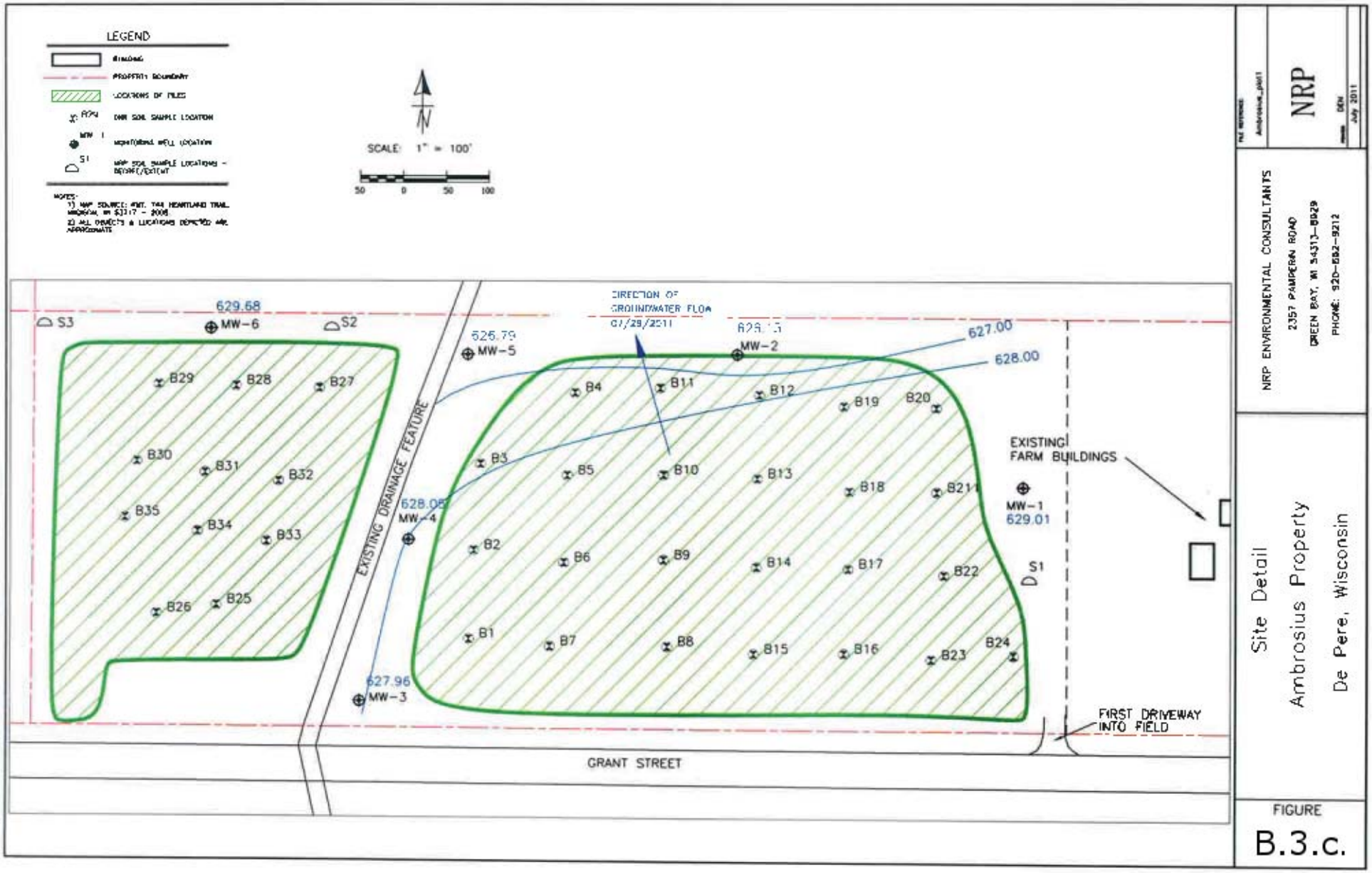
B.3.c. Groundwater Flow Direction Figure


LEGEND
PROPERTY BOUNDARY
LOCATIONS OF FILES
DNR SOIL SAMPLE LOCATION
MONITORING WELL LOCATION
MAP SOIL SAMPLE LOCATIONS - DESIGNED/DRILLED
NOTES:
1) MAP SOURCE: MAP, THE HEARTLAND TRAIL, WISCONSIN, WI 53217 - 2008
2) ALL OBJECTS & LOCATIONS DEPICTED ARE APPROXIMATE
N
SCALE: 1" = 100'
50 0 50 100
S3
629.68
MW-6
S2
525.79
MW-5
DIRECTION OF GROUNDWATER FLOW
07/28/2011
MW-2
627.00
628.00
B29
B28
B27
B30
B31
B32
B35
B34
B33
B26
B25
EXISTING DRAINAGE FEATURE
628.05
MW-4
627.96
MW-3
B4
B11
B12
B19
B20
B3
B5
B10
B13
B18
B21
B2
B6
B9
B14
B17
B22
B1
B7
B8
B15
B16
B23
B24
EXISTING FARM BUILDINGS
MW-1
629.01
S1
FIRST DRIVEWAY INTO FIELD
GRANT STREET
NRP
NRP ENVIRONMENTAL CONSULTANTS
2357 PAMPERIN ROAD
GREEN BAY, WI 54313-8929
PHONE: 920-562-9212
Site Detail
Ambrosius Property
De Pere, Wisconsin
FIGURE
B.3.c.

B.3.d. Monitoring Wells

All monitoring wells have been located and will be abandoned upon notification of conditional closure.

LEGEND

- BUILDING
- PROPERTY BOUNDARY
- LOCATIONS OF PILES
- B29 SOIL SAMPLE AND RESAMPLE LOCATIONS
- MONITORING WELL

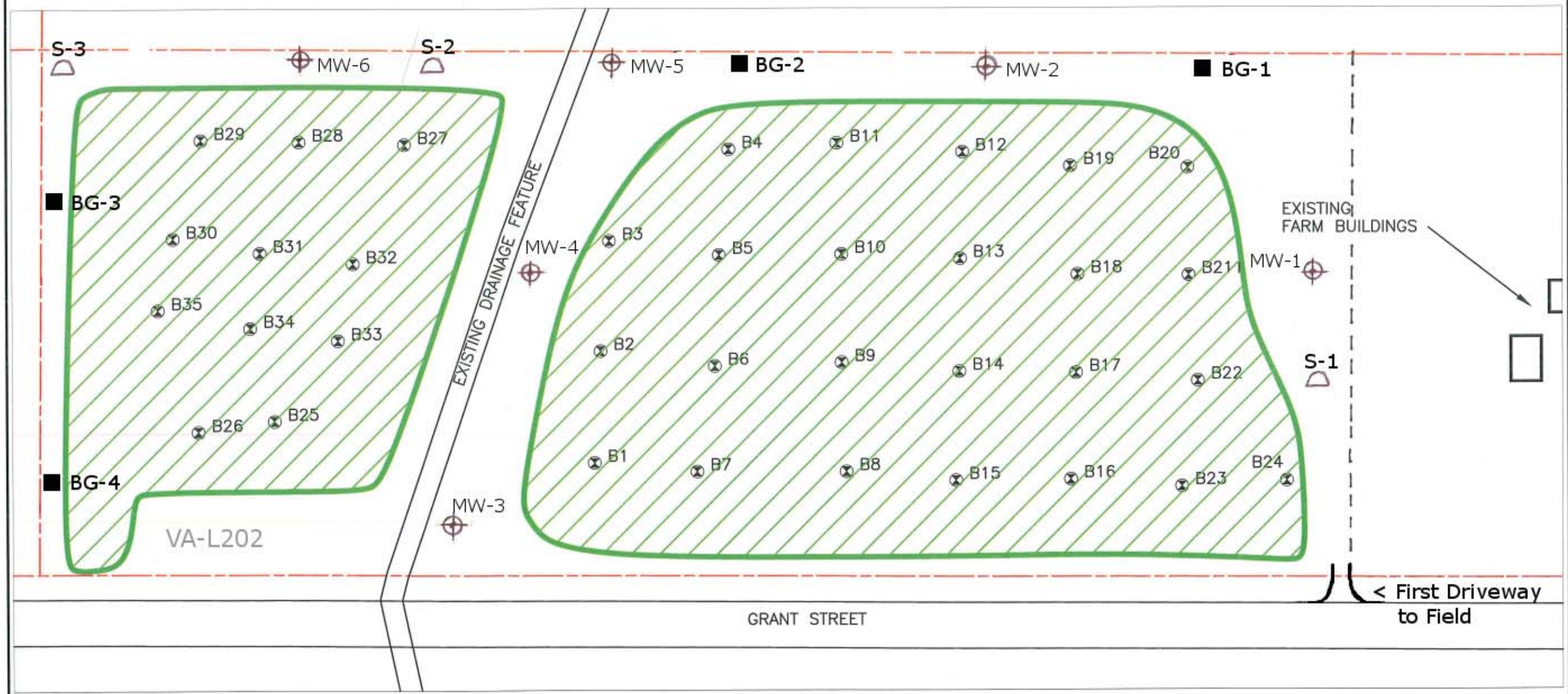
ALL MONTORING WELLS WILL BE ABANDONED UPON CONDITIONAL CLOSURE

- DNR RECOMMENDED DEGREE/EXTENT SOIL SAMPLE LOCATIONS
- BACKGROUND SOIL SAMPLE LOCATIONS

SCALE: 1" = 100'

50 0 50 100

NOTES:
1) MAP SOURCE: RMT, 744 HEARTLAND TRAIL, MADISON, WI 53717 – 2008.
2) ALL OBJECTS & LOCATIONS DEPICTED ARE APPROXIMATE.



NRP ENVIRONMENTAL CONSULTANTS
2357 PAMPERIN ROAD
GREEN BAY, WI 54313-8929
PHONE: 920-339-9212

NRP

FILE REFERENCES: Ambrosius_plot1

DRAWN: DEN
July 2010

Monitoring Wells

Ambrosius Property

Green Bay, Wisconsin

FIGURE

B.3.d.

B.4.a. Vapor Intrusion Map

No vapor migration assessment was conducted for this site. Contaminants of concern are generally non-volatile, and non-explosive.

B.4.b. Other Media of Concern (e.g. sediment or surface water)

No Data. No analysis of sediment or surface water was requested by the DNR through the course of investigation. Native vegetation has overtaken both farm fields and stabilized the surface soils. Sediment runoff would not be expected.

B.4.c. Other

No Data.

B.5. Structural Impediment Photos

Not applicable. There are no structural impediments on site.

Ambrosius Property – 1620 Grant Street – Ashwaubenon, Wisconsin
WDNR BRRTS# 02-05-551631

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Ambrosius Property – 1620 Grant Street – Ashwaubenon, Wisconsin
WDNR BRRTS# 02-05-551631

C.1. Site Investigation Documentation

The following analytical laboratory report is for groundwater sampling conducted 6/22/2012. This data may not have been submitted previously.

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

June 29, 2012

Bob Herubin
NRP ENVIRONMENTAL CONSULTANTS
2357 Pamperin Rd
Suite 2
Green Bay, WI 54313

RE: Project: GDC-AMBRO
Pace Project No.: 4062348

Dear Bob Herubin:
Enclosed are the analytical results for sample(s) received by the laboratory on June 22, 2012. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Steven Mleczko

steve.mleczko@pacelabs.com
Project Manager

Enclosures

cc: Jeff Laviolette, NRP Environmental Consultants

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CERTIFICATIONS

Project: GDC-AMBRO
Pace Project No.: 4062348

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 11888
North Carolina Certification #: 503
North Dakota Certification #: R-150
South Carolina Certification #: 83006001
US Dept of Agriculture #: S-76505
Wisconsin Certification #: 405132750

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SAMPLE SUMMARY

Project: GDC-AMBRO
Pace Project No.: 4062348

Lab ID	Sample ID	Matrix	Date Collected	Date Received
4062348001	**1**	Water	06/22/12 14:16	06/22/12 15:15
4062348002	**2**	Water	06/22/12 14:40	06/22/12 15:15
4062348003	**3**	Water	06/22/12 12:15	06/22/12 15:15
4062348004	**4**	Water	06/22/12 12:35	06/22/12 15:15
4062348005	**5**	Water	06/22/12 13:10	06/22/12 15:15
4062348006	**6**	Water	06/22/12 11:40	06/22/12 15:15

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SAMPLE ANALYTE COUNT

Project: GDC-AMBRO
Pace Project No.: 4062348

Lab ID	Sample ID	Method	Analysts	Analytes Reported
4062348001	**1**	EPA 6010	DLB	7
		EPA 7470	CMS	1
4062348002	**2**	EPA 6010	DLB	7
		EPA 7470	CMS	1
		EPA 8270 by SIM	RJN	20
4062348003	**3**	EPA 6010	DLB	7
		EPA 7470	CMS	1
4062348004	**4**	EPA 6010	DLB	7
		EPA 7470	CMS	1
4062348005	**5**	EPA 6010	DLB	7
		EPA 7470	CMS	1
4062348006	**6**	EPA 6010	DLB	7
		EPA 7470	CMS	1

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ANALYTICAL RESULTS

Project: GDC-AMBRO
Pace Project No.: 4062348

Sample: 1 **Lab ID: 4062348001** Collected: 06/22/12 14:16 Received: 06/22/12 15:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**<4.7**	ug/L	20.0	4.7	1	06/28/12 07:25	06/28/12 18:02	7440-38-2	
Barium	**43.5**	ug/L	5.0	1.2	1	06/28/12 07:25	06/28/12 18:02	7440-39-3	
Cadmium	**0.42J**	ug/L	5.0	0.39	1	06/28/12 07:25	06/28/12 18:02	7440-43-9	
Chromium	**<2.4**	ug/L	5.0	2.4	1	06/28/12 07:25	06/28/12 18:02	7440-47-3	
Lead	**<1.4**	ug/L	7.5	1.4	1	06/28/12 07:25	06/28/12 18:02	7439-92-1	
Selenium	**<5.8**	ug/L	20.0	5.8	1	06/28/12 07:25	06/28/12 18:02	7782-49-2	
Silver	**<2.3**	ug/L	10.0	2.3	1	06/28/12 07:25	06/28/12 18:02	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**<0.10**	ug/L	0.20	0.10	1	06/26/12 17:55	06/27/12 12:12	7439-97-6	

Sample: 2 **Lab ID: 4062348002** Collected: 06/22/12 14:40 Received: 06/22/12 15:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**<4.7**	ug/L	20.0	4.7	1	06/28/12 07:25	06/28/12 18:08	7440-38-2	
Barium	**68.6**	ug/L	5.0	1.2	1	06/28/12 07:25	06/28/12 18:08	7440-39-3	
Cadmium	**<0.39**	ug/L	5.0	0.39	1	06/28/12 07:25	06/28/12 18:08	7440-43-9	
Chromium	**<2.4**	ug/L	5.0	2.4	1	06/28/12 07:25	06/28/12 18:08	7440-47-3	
Lead	**<1.4**	ug/L	7.5	1.4	1	06/28/12 07:25	06/28/12 18:08	7439-92-1	
Selenium	**<5.8**	ug/L	20.0	5.8	1	06/28/12 07:25	06/28/12 18:08	7782-49-2	
Silver	**<2.3**	ug/L	10.0	2.3	1	06/28/12 07:25	06/28/12 18:08	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**<0.10**	ug/L	0.20	0.10	1	06/26/12 17:55	06/27/12 12:14	7439-97-6	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	**<0.0045**	ug/L	0.047	0.0045	1	06/27/12 12:00	06/28/12 14:41	83-32-9	
Acenaphthylene	**<0.0036**	ug/L	0.047	0.0036	1	06/27/12 12:00	06/28/12 14:41	208-96-8	
Anthracene	**0.0060J**	ug/L	0.047	0.0057	1	06/27/12 12:00	06/28/12 14:41	120-12-7	
Benzo(a)anthracene	**<0.0036**	ug/L	0.047	0.0036	1	06/27/12 12:00	06/28/12 14:41	56-55-3	
Benzo(a)pyrene	**<0.0029**	ug/L	0.047	0.0029	1	06/27/12 12:00	06/28/12 14:41	50-32-8	
Benzo(b)fluoranthene	**<0.0034**	ug/L	0.047	0.0034	1	06/27/12 12:00	06/28/12 14:41	205-99-2	
Benzo(g,h,i)perylene	**<0.0048**	ug/L	0.047	0.0048	1	06/27/12 12:00	06/28/12 14:41	191-24-2	
Benzo(k)fluoranthene	**<0.0044**	ug/L	0.047	0.0044	1	06/27/12 12:00	06/28/12 14:41	207-08-9	
Chrysene	**<0.0035**	ug/L	0.047	0.0035	1	06/27/12 12:00	06/28/12 14:41	218-01-9	
Dibenz(a,h)anthracene	**<0.0032**	ug/L	0.047	0.0032	1	06/27/12 12:00	06/28/12 14:41	53-70-3	
Fluoranthene	**<0.0044**	ug/L	0.047	0.0044	1	06/27/12 12:00	06/28/12 14:41	206-44-0	
Fluorene	**<0.0048**	ug/L	0.047	0.0048	1	06/27/12 12:00	06/28/12 14:41	86-73-7	
Indeno(1,2,3-cd)pyrene	**<0.0047**	ug/L	0.047	0.0047	1	06/27/12 12:00	06/28/12 14:41	193-39-5	
1-Methylnaphthalene	**<0.0050**	ug/L	0.047	0.0050	1	06/27/12 12:00	06/28/12 14:41	90-12-0	
2-Methylnaphthalene	**0.0061J**	ug/L	0.047	0.0039	1	06/27/12 12:00	06/28/12 14:41	91-57-6	B
Naphthalene	**0.0074J**	ug/L	0.047	0.0048	1	06/27/12 12:00	06/28/12 14:41	91-20-3	B

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ANALYTICAL RESULTS

Project: GDC-AMBRO
Pace Project No.: 4062348

Sample: 2 **Lab ID: 4062348002** Collected: 06/22/12 14:40 Received: 06/22/12 15:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Phenanthrene	**<0.0081**	ug/L	0.047	0.0081	1	06/27/12 12:00	06/28/12 14:41	85-01-8	
Pyrene	**<0.0047**	ug/L	0.047	0.0047	1	06/27/12 12:00	06/28/12 14:41	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	67	%.	27-130		1	06/27/12 12:00	06/28/12 14:41	321-60-8	
Terphenyl-d14 (S)	98	%.	66-140		1	06/27/12 12:00	06/28/12 14:41	1718-51-0	

Sample: 3 **Lab ID: 4062348003** Collected: 06/22/12 12:15 Received: 06/22/12 15:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**<4.7**	ug/L	20.0	4.7	1	06/28/12 07:25	06/28/12 18:10	7440-38-2	
Barium	**170**	ug/L	5.0	1.2	1	06/28/12 07:25	06/28/12 18:10	7440-39-3	
Cadmium	**<0.39**	ug/L	5.0	0.39	1	06/28/12 07:25	06/28/12 18:10	7440-43-9	
Chromium	**<2.4**	ug/L	5.0	2.4	1	06/28/12 07:25	06/28/12 18:10	7440-47-3	
Lead	**<1.4**	ug/L	7.5	1.4	1	06/28/12 07:25	06/28/12 18:10	7439-92-1	
Selenium	**<5.8**	ug/L	20.0	5.8	1	06/28/12 07:25	06/28/12 18:10	7782-49-2	
Silver	**<2.3**	ug/L	10.0	2.3	1	06/28/12 07:25	06/28/12 18:10	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**<0.10**	ug/L	0.20	0.10	1	06/26/12 17:55	06/27/12 12:16	7439-97-6	

Sample: 4 **Lab ID: 4062348004** Collected: 06/22/12 12:35 Received: 06/22/12 15:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**<4.7**	ug/L	20.0	4.7	1	06/28/12 07:25	06/28/12 18:12	7440-38-2	
Barium	**78.8**	ug/L	5.0	1.2	1	06/28/12 07:25	06/28/12 18:12	7440-39-3	
Cadmium	**<0.39**	ug/L	5.0	0.39	1	06/28/12 07:25	06/28/12 18:12	7440-43-9	
Chromium	**<2.4**	ug/L	5.0	2.4	1	06/28/12 07:25	06/28/12 18:12	7440-47-3	
Lead	**<1.4**	ug/L	7.5	1.4	1	06/28/12 07:25	06/28/12 18:12	7439-92-1	
Selenium	**<5.8**	ug/L	20.0	5.8	1	06/28/12 07:25	06/28/12 18:12	7782-49-2	
Silver	**<2.3**	ug/L	10.0	2.3	1	06/28/12 07:25	06/28/12 18:12	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**<0.10**	ug/L	0.20	0.10	1	06/26/12 17:55	06/27/12 12:18	7439-97-6	

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ANALYTICAL RESULTS

Project: GDC-AMBRO
Pace Project No.: 4062348

Sample: 5 **Lab ID: 4062348005** Collected: 06/22/12 13:10 Received: 06/22/12 15:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**<4.7**	ug/L	20.0	4.7	1	06/28/12 07:25	06/28/12 18:14	7440-38-2	
Barium	**105**	ug/L	5.0	1.2	1	06/28/12 07:25	06/28/12 18:14	7440-39-3	
Cadmium	**<0.39**	ug/L	5.0	0.39	1	06/28/12 07:25	06/28/12 18:14	7440-43-9	
Chromium	**<2.4**	ug/L	5.0	2.4	1	06/28/12 07:25	06/28/12 18:14	7440-47-3	
Lead	**1.4J**	ug/L	7.5	1.4	1	06/28/12 07:25	06/28/12 18:14	7439-92-1	
Selenium	**<5.8**	ug/L	20.0	5.8	1	06/28/12 07:25	06/28/12 18:14	7782-49-2	
Silver	**<2.3**	ug/L	10.0	2.3	1	06/28/12 07:25	06/28/12 18:14	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**<0.10**	ug/L	0.20	0.10	1	06/26/12 17:55	06/27/12 12:24	7439-97-6	

Sample: 6 **Lab ID: 4062348006** Collected: 06/22/12 11:40 Received: 06/22/12 15:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**<4.7**	ug/L	20.0	4.7	1	06/28/12 07:25	06/28/12 18:20	7440-38-2	
Barium	**135**	ug/L	5.0	1.2	1	06/28/12 07:25	06/28/12 18:20	7440-39-3	
Cadmium	**<0.39**	ug/L	5.0	0.39	1	06/28/12 07:25	06/28/12 18:20	7440-43-9	
Chromium	**<2.4**	ug/L	5.0	2.4	1	06/28/12 07:25	06/28/12 18:20	7440-47-3	
Lead	**<1.4**	ug/L	7.5	1.4	1	06/28/12 07:25	06/28/12 18:20	7439-92-1	
Selenium	**<5.8**	ug/L	20.0	5.8	1	06/28/12 07:25	06/28/12 18:20	7782-49-2	
Silver	**<2.3**	ug/L	10.0	2.3	1	06/28/12 07:25	06/28/12 18:20	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**<0.10**	ug/L	0.20	0.10	1	06/26/12 17:55	06/27/12 12:26	7439-97-6	

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QUALITY CONTROL DATA

Project: GDC-AMBRO
Pace Project No.: 4062348

QC Batch: MERP/3155 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 4062348001, 4062348002, 4062348003, 4062348004, 4062348005, 4062348006

METHOD BLANK: 627289 Matrix: Water
Associated Lab Samples: 4062348001, 4062348002, 4062348003, 4062348004, 4062348005, 4062348006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	<0.10	0.20	06/27/12 11:43	

LABORATORY CONTROL SAMPLE: 627290

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	5.4	108	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 627291 627292

Parameter	Units	4062193001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	<4.0	5	5	3.1	3.0	62	59	85-115	5	20	M0

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QUALITY CONTROL DATA

Project: GDC-AMBRO
Pace Project No.: 4062348

QC Batch: MPRP/7110 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 4062348001, 4062348002, 4062348003, 4062348004, 4062348005, 4062348006

METHOD BLANK: 627972 Matrix: Water
Associated Lab Samples: 4062348001, 4062348002, 4062348003, 4062348004, 4062348005, 4062348006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	ug/L	<4.7	20.0	06/28/12 17:58	
Barium	ug/L	<1.2	5.0	06/28/12 17:58	
Cadmium	ug/L	<0.39	5.0	06/28/12 17:58	
Chromium	ug/L	<2.4	5.0	06/28/12 17:58	
Lead	ug/L	<1.4	7.5	06/28/12 17:58	
Selenium	ug/L	<5.8	20.0	06/28/12 17:58	
Silver	ug/L	<2.3	10.0	06/28/12 17:58	

LABORATORY CONTROL SAMPLE: 627973

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	500	488	98	80-120	
Barium	ug/L	500	484	97	80-120	
Cadmium	ug/L	500	483	97	80-120	
Chromium	ug/L	500	476	95	80-120	
Lead	ug/L	500	480	96	80-120	
Selenium	ug/L	500	472	94	80-120	
Silver	ug/L	250	234	94	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 627974 627975

Parameter	Units	4062348001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	<4.7	500	500	511	502	101	99	75-125	2	20	
Barium	ug/L	43.5	500	500	542	532	100	98	75-125	2	20	
Cadmium	ug/L	0.42J	500	500	502	497	100	99	75-125	1	20	
Chromium	ug/L	<2.4	500	500	480	470	96	94	75-125	2	20	
Lead	ug/L	<1.4	500	500	474	472	95	94	75-125	0	20	
Selenium	ug/L	<5.8	500	500	485	483	97	97	75-125	0	20	
Silver	ug/L	<2.3	250	250	246	242	98	97	75-125	1	20	

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QUALITY CONTROL DATA

Project: GDC-AMBRO
Pace Project No.: 4062348

QC Batch: OEXT/14996
QC Batch Method: EPA 3510
Analysis Method: EPA 8270 by SIM
Analysis Description: 8270 Water PAH by SIM MSSV
Associated Lab Samples: 4062348002

METHOD BLANK: 627383 Matrix: Water

Associated Lab Samples: 4062348002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	<0.0053	0.050	06/28/12 11:28	
2-Methylnaphthalene	ug/L	<0.0041	0.050	06/28/12 11:28	
Acenaphthene	ug/L	<0.0048	0.050	06/28/12 11:28	
Acenaphthylene	ug/L	<0.0038	0.050	06/28/12 11:28	
Anthracene	ug/L	<0.0061	0.050	06/28/12 11:28	
Benzo(a)anthracene	ug/L	<0.0038	0.050	06/28/12 11:28	
Benzo(a)pyrene	ug/L	<0.0030	0.050	06/28/12 11:28	
Benzo(b)fluoranthene	ug/L	<0.0036	0.050	06/28/12 11:28	
Benzo(g,h,i)perylene	ug/L	<0.0051	0.050	06/28/12 11:28	
Benzo(k)fluoranthene	ug/L	<0.0046	0.050	06/28/12 11:28	
Chrysene	ug/L	<0.0037	0.050	06/28/12 11:28	
Dibenz(a,h)anthracene	ug/L	<0.0034	0.050	06/28/12 11:28	
Fluoranthene	ug/L	<0.0047	0.050	06/28/12 11:28	
Fluorene	ug/L	<0.0051	0.050	06/28/12 11:28	
Indeno(1,2,3-cd)pyrene	ug/L	<0.0050	0.050	06/28/12 11:28	
Naphthalene	ug/L	<0.0051	0.050	06/28/12 11:28	
Phenanthrene	ug/L	<0.0086	0.050	06/28/12 11:28	
Pyrene	ug/L	<0.0050	0.050	06/28/12 11:28	
2-Fluorobiphenyl (S)	%.	68	27-130	06/28/12 11:28	
Terphenyl-d14 (S)	%.	85	66-140	06/28/12 11:28	

METHOD BLANK: 627387 Matrix: Water

Associated Lab Samples: 4062348002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	0.039J	0.25	06/28/12 12:21	
2-Methylnaphthalene	ug/L	0.049J	0.25	06/28/12 12:21	
Acenaphthene	ug/L	<0.024	0.25	06/28/12 12:21	
Acenaphthylene	ug/L	<0.019	0.25	06/28/12 12:21	
Anthracene	ug/L	<0.030	0.25	06/28/12 12:21	
Benzo(a)anthracene	ug/L	<0.019	0.25	06/28/12 12:21	
Benzo(a)pyrene	ug/L	<0.015	0.25	06/28/12 12:21	
Benzo(b)fluoranthene	ug/L	<0.018	0.25	06/28/12 12:21	
Benzo(g,h,i)perylene	ug/L	<0.026	0.25	06/28/12 12:21	
Benzo(k)fluoranthene	ug/L	<0.023	0.25	06/28/12 12:21	
Chrysene	ug/L	<0.018	0.25	06/28/12 12:21	
Dibenz(a,h)anthracene	ug/L	<0.017	0.25	06/28/12 12:21	
Fluoranthene	ug/L	<0.023	0.25	06/28/12 12:21	
Fluorene	ug/L	<0.025	0.25	06/28/12 12:21	
Indeno(1,2,3-cd)pyrene	ug/L	<0.025	0.25	06/28/12 12:21	
Naphthalene	ug/L	0.11J	0.25	06/28/12 12:21	

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Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: GDC-AMBRO
Pace Project No.: 4062348

METHOD BLANK: 627387 Matrix: Water

Associated Lab Samples: 4062348002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Phenanthrene	ug/L	<0.043	0.25	06/28/12 12:21	
Pyrene	ug/L	<0.025	0.25	06/28/12 12:21	
2-Fluorobiphenyl (S)	%.	77	27-130	06/28/12 12:21	
Terphenyl-d14 (S)	%.	99	66-140	06/28/12 12:21	

LABORATORY CONTROL SAMPLE & LCSD: 627384 627385

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1-Methylnaphthalene	ug/L	.2	0.15	0.13	73	67	32-130	7	50	
2-Methylnaphthalene	ug/L	.2	0.15	0.13	73	63	29-130	15	50	
Acenaphthene	ug/L	.2	0.14	0.11	68	55	30-130	21	49	
Acenaphthylene	ug/L	.2	0.13	0.11	64	54	23-130	17	48	
Anthracene	ug/L	.2	0.10	0.087	51	44	20-130	15	46	
Benzo(a)anthracene	ug/L	.2	0.16	0.16	81	79	34-130	3	21	
Benzo(a)pyrene	ug/L	.2	0.14	0.14	70	70	41-130	0	20	
Benzo(b)fluoranthene	ug/L	.2	0.19	0.19	95	96	31-131	1	24	
Benzo(g,h,i)perylene	ug/L	.2	0.18	0.18	92	91	51-130	1	20	
Benzo(k)fluoranthene	ug/L	.2	0.20	0.19	99	96	56-130	4	23	
Chrysene	ug/L	.2	0.19	0.18	94	90	55-130	4	20	
Dibenz(a,h)anthracene	ug/L	.2	0.18	0.18	92	90	40-130	2	20	
Fluoranthene	ug/L	.2	0.17	0.15	85	77	38-130	9	40	
Fluorene	ug/L	.2	0.14	0.11	70	57	27-130	20	50	
Indeno(1,2,3-cd)pyrene	ug/L	.2	0.19	0.18	93	91	48-130	2	20	
Naphthalene	ug/L	.2	0.14	0.12	70	62	33-130	13	50	
Phenanthrene	ug/L	.2	0.15	0.13	77	66	28-130	16	47	
Pyrene	ug/L	.2	0.16	0.15	82	76	41-130	8	40	
2-Fluorobiphenyl (S)	%.				73	61	27-130			
Terphenyl-d14 (S)	%.				95	119	66-140			

MATRIX SPIKE SAMPLE: 627386

Parameter	Units	4061857008 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/L	0.042J	1	0.68	64	15-130	
2-Methylnaphthalene	ug/L	0.038J	1	0.67	63	14-130	
Acenaphthene	ug/L	0.11J	1	0.73	62	10-130	
Acenaphthylene	ug/L	<0.019	1	0.58	58	10-130	
Anthracene	ug/L	0.051J	1	0.57	52	10-130	
Benzo(a)anthracene	ug/L	<0.019	1	0.81	81	34-131	
Benzo(a)pyrene	ug/L	<0.015	1	0.76	76	35-130	
Benzo(b)fluoranthene	ug/L	<0.018	1	0.89	89	17-154	
Benzo(g,h,i)perylene	ug/L	<0.026	1	0.87	87	42-130	
Benzo(k)fluoranthene	ug/L	<0.023	1	0.94	94	41-144	
Chrysene	ug/L	<0.018	1	0.91	91	47-134	
Dibenz(a,h)anthracene	ug/L	<0.017	1	0.86	86	37-130	

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QUALITY CONTROL DATA

Project: GDC-AMBRO
Pace Project No.: 4062348

MATRIX SPIKE SAMPLE: 627386

Parameter	Units	4061857008 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Fluoranthene	ug/L	0.065J	1	0.87	81	12-159	
Fluorene	ug/L	0.088J	1	0.72	63	13-130	
Indeno(1,2,3-cd)pyrene	ug/L	<0.025	1	0.86	86	27-134	
Naphthalene	ug/L	0.056J	1	0.65	59	10-130	
Phenanthrene	ug/L	0.22J	1	0.94	71	12-130	
Pyrene	ug/L	0.038J	1	0.86	82	12-161	
2-Fluorobiphenyl (S)	%.				67	27-130	
Terphenyl-d14 (S)	%.				96	66-140	

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QUALIFIERS

Project: GDC-AMBRO
Pace Project No.: 4062348

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

BATCH QUALIFIERS

Batch: MSSV/4751

[IP]	Benzo(b)fluoranthene and benzo(k)fluoranthene were in the check standard but did not meet the resolution criteria in SW846 Method 8270C. Whereas sample results included are reported as individual isomers, the lab and the customer must recognize them as an isomeric pair.
[M5]	A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

B	Analyte was detected in the associated method blank.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: GDC-AMBRO
Pace Project No.: 4062348

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
4062348001	**1**	EPA 3010	MPRP/7110	EPA 6010	ICP/6148
4062348002	**2**	EPA 3010	MPRP/7110	EPA 6010	ICP/6148
4062348003	**3**	EPA 3010	MPRP/7110	EPA 6010	ICP/6148
4062348004	**4**	EPA 3010	MPRP/7110	EPA 6010	ICP/6148
4062348005	**5**	EPA 3010	MPRP/7110	EPA 6010	ICP/6148
4062348006	**6**	EPA 3010	MPRP/7110	EPA 6010	ICP/6148
4062348001	**1**	EPA 7470	MERP/3155	EPA 7470	MERC/3631
4062348002	**2**	EPA 7470	MERP/3155	EPA 7470	MERC/3631
4062348003	**3**	EPA 7470	MERP/3155	EPA 7470	MERC/3631
4062348004	**4**	EPA 7470	MERP/3155	EPA 7470	MERC/3631
4062348005	**5**	EPA 7470	MERP/3155	EPA 7470	MERC/3631
4062348006	**6**	EPA 7470	MERP/3155	EPA 7470	MERC/3631
4062348002	**2**	EPA 3510	OEXT/14996	EPA 8270 by SIM	MSSV/4751

C.2. Investigative Waste

No Data. Soil cuttings were left on site to be remediated with contaminated soil on site through natural attenuation and/or phytoremediation.

C.3. Description of Methodology

No Data. Soil RCL's used for this site are those defined by the 2017 WDNR Soil Residual Contaminant Level spreadsheet.

C.4. Construction Documentation

No Data. Soil boring logs, monitoring well construction and development logs were submitted with the report titled, “Environmental Investigation Update-Ambrosius Farm Property, 1620 Grant Street, Parcel Number VA-L202, De Pere Wisconsin, DNR BRRTS# 2-05-551631” on January 6, 2012.

C.5. Decommissioning of Remedial Systems

Upon conditional closure of the site, monitoring wells MW-1 through MW-6 will be abandoned per NR 141 requirements.

C.6. Other

No Data.

ATTACHMENT D – Maintenance Plans and Photographs:

No Attachment. No cap maintenance action required.

Ambrosius Property – 1620 Grant Street – Ashwaubenon, Wisconsin
WDNR BRRTS# 02-05-551631

TABLE OF CONTENTS

ATTACHMENT E – Monitoring Well Information:

E. Monitoring Wells

E. Monitoring Wells

All monitoring wells have been located and will be properly abandoned when Conditional Closure is granted at this site. Well sealing report form 3300-005 will be submitted for all monitoring wells associated with the site.

Ambrosius Property – 1620 Grant Street – Ashwaubenon, Wisconsin
WDNR BRRTS# 02-05-551631

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Ambrosius Property – 1620 Grant Street – Ashwaubenon, Wisconsin
WDNR BRRTS# 02-05-551631

F.1. Deed

8035124 1
Tx:40233370

State Bar of Wisconsin Form 1-2003
WARRANTY DEED

Document Number | Document Name

2764105
CATHY WILLIQUETTE LINDSAY
BROWN COUNTY RECORDER
GREEN BAY, WI
RECORDED ON
10/25/2016 10:31 AM
REC FEE: 30.00
EXEMPT # 77.25(16)
PAGES: 2

THIS DEED, made between **MARCELLA AMBROSIUS, a single person**

("Grantor," whether one or more), and **MARCELLA AMBROSIUS REVOCABLE TRUST DATED OCTOBER 14, 2016**

("Grantee," whether one or more).

Grantor for a valuable consideration, conveys to Grantee the following described real estate, together with the rents, profits, fixtures and other appurtenant interests, in **Brown** County, State of Wisconsin ("Property") (if more space is needed, please attach addendum):

LEGAL DESCRIPTION ATTACHED

Recording Area

Name and Return Address
Julie Fink Fronsee
PO Box 5065
De Pere, WI 54115

DVP-2

VA-L202
Parcel Identification Number (PIN)

This **is** homestead property.
(is) (is not)

Grantor warrants that the title to the Property is good, indefeasible, in fee simple and free and clear of encumbrances except:

easements, restrictions, and covenants of record; municipal and zoning ordinances; taxes levied in the year of closing; and will warrant and defend the same.

Dated **10/14/2016**.

Marcella Ambrosius (SEAL)
* **MARCELLA AMBROSIUS**

(SEAL)
*

(SEAL)
*

(SEAL)
*

AUTHENTICATION

Signature(s) _____

_____

authenticated on _____.

*

TITLE: MEMBER STATE BAR OF WISCONSIN
(If not, _____
authorized by Wis. Stat. § 706.06)

THIS INSTRUMENT DRAFTED BY:
JULIE FINK FRONSEE, Attorney
De Pere, WI 54115

ACKNOWLEDGMENT

STATE OF **Wisconsin**)
) ss.
Brown COUNTY)

Personally came before me on **10/14/16**
the above-named **Marcella Ambrosius**
to me known to be the person(s) who executed the foregoing instrument and acknowledged the same.

* **Julie Fink Fronsee**
Notary Public, State of **Wisconsin**
My commission (is permanent) (~~expires~~:

(Signatures may be authenticated or acknowledged. Both are not necessary.)

NOTE: THIS IS A STANDARD FORM. ANY MODIFICATION TO THIS FORM SHOULD BE CLEARLY IDENTIFIED.

WARRANTY DEED **©2003 STATE BAR OF WISCONSIN** **FORM NO. 1-2003**

*Type name below signatures.

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Grantor: Marcella Ambrosius
Grantee: Marcella Ambrosius Rev Trust Dtd 10/14/16

Exhibit A

LEGAL DESCRIPTION:

The Southeast Quarter of the Southeast Quarter (SE 1/4 of the SE 1/4) and the East 10 acres of the Southwest Quarter of the Southeast Quarter (SW 1/4 of the SE 1/4), Section Nineteen (19), Township Twenty-three (23) North, Range Twenty (20) East, in the Village of Ashwaubenon, Brown County, Wisconsin. Excepting therefrom that part described in Jacket 23303 Records, Image 42 and further excepting therefrom that part used for road purposes.

Ambrosius Property – 1620 Grant Street – Ashwaubenon, Wisconsin
WDNR BRRTS# 02-05-551631

F.2. Certified Survey Map

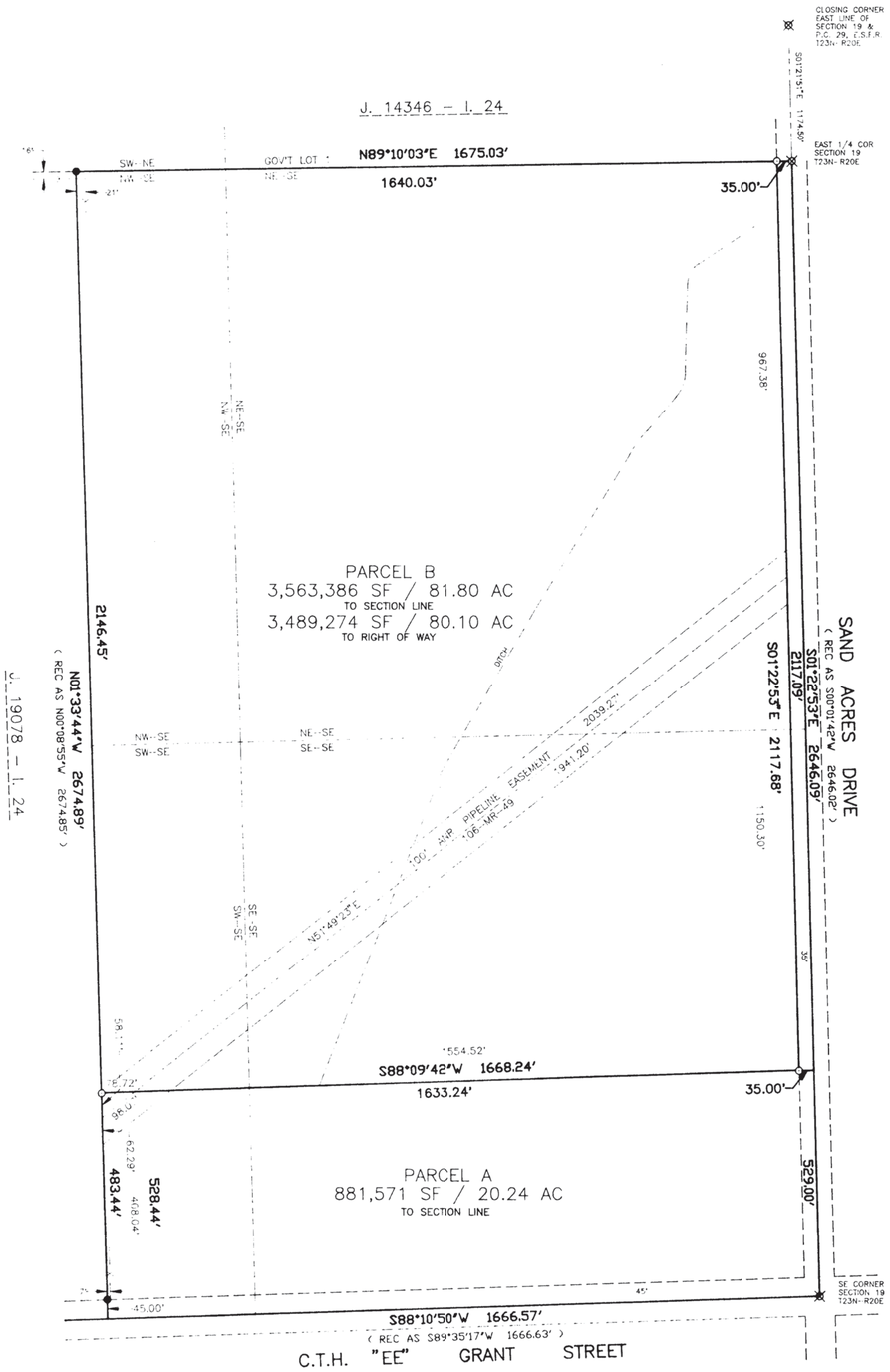
Copy of Brown County Plat of Survey Map with Parcel A Legal Description:

Legal Description - Parcel A:

> "*Part of the Southeast ¼-Southeast ¼ and the Southwest ¼-Southeast ¼, Section 19, T23N-R20E, Town of Lawrence, Brown County, Wisconsin, more fully described as follows:*
>
> *Beginning at the southeast corner, Section 19, T23n-R20E; thence S88° 10'50'W, 1666.57 feet along the south line of the Southeast ¼, said Section 19; thence N1°33'44''W, 528.44 feet; thence N88° 09'42''E, 1668.24 feet to the east line of said Southeast ¼ and the centerline of Sand Acres Drive; thence S1° 22'53''E, 529.00 feet along said east line and centerline to the point of beginning.*
>
> *Parcel contains 20.24 acres, more or less.*
> *Excepting therefrom and lands previously dedicated for road purposes.*
> *Subject to easments of record.*"

PLAT OF SURVEY

ALL OF THE NE–SE AND PART OF THE NW–SE, SW–SE AND THE SE–SE, SECTION 19, T23N–R20E, TOWN OF LAWRENCE, BROWN COUNTY, WISCONSIN



GRAPHIC SCALE

0' 100' 200' 400' 600' 1000'

Client: Robert Becker

PARCEL A:

Part of the Southeast 1/4-Southeast 1/4 and the Southwest 1/4-Southeast 1/4, Section 19, T23N-R20E, Town of Lawrence, Brown County, Wisconsin, more fully described as follows:

Beginning at the southeast corner, Section 19, T23N-R20E; thence S88°10'50"W, 1666.57 feet along the south line of the Southeast 1/4, said Section 19; thence N1°33'44"W, 528.44 feet; thence N88°09'42"E, 1668.24 feet to the east line of said Southeast 1/4 and the centerline of Sand Acres Drive; thence S1°22'53"E, 529.00 feet along said east line and centerline to the point of beginning.

Parcel contains 20.24 acres, more or less.
Excepting therefrom any lands previously dedicated for road purposes.
Subject to easements of record.

PARCEL B:

All of the Northeast 1/4-Southeast 1/4 and part of the Northwest 1/4-Southeast 1/4, Southwest 1/4-Southeast 1/4 and the Southeast 1/4-Southeast 1/4, Section 19, T23N-R20E, Town of Lawrence, Brown County, Wisconsin, more fully described as follows:

Commencing at the southeast corner, Section 19, T23N-R20E; thence N1°22'53"W, 529.00 feet along the east line of the Southeast 1/4-Southeast 1/4 and the centerline of Sand Acres Drive, to the point of beginning; thence S88°09'42"W, 1668.24 feet; thence N1°33'44"W, 2146.45 feet to the east-west quarter line, said Section 19; thence N89°10'03"E, 1675.03 feet along said quarter line to the east 1/4 corner, said Section 19, and the centerline of Sand Acres Drive; thence S1°22'53"E, 2117.09 feet along the east line of the Southeast 1/4 and the centerline of said Sand Acres Drive to the point of beginning.

Parcel contains 81.80 acres, more or less.
Excepting therefrom any lands previously dedicated for road purposes.
Subject to easements of record.

I, David W. Mau, Registered Land Surveyor, do hereby certify that the above described property was surveyed and mapped under my direct supervision and is correct to the best of my knowledge and belief.

David W. Mau S-1030
January 11, 1994

BEARINGS REFERENCED TO THE EAST LINE OF THE SE 1/4, SECTION 19, T23N–R20E, ASSUMED TO BE S 1°22'53" E

LEGEND

- ○ 1" X 24" IRON PIPE WEIGHING 1.13 LBS / LIN FT SET
- ● 1" IRON PIPE FOUND
- ⊠ BROWN COUNTY MONUMENT P.K. NAIL FOUND

SCALE: 1" = 200'

SHEET: 1 OF 1
AUTOCAD DRAWING: B–15189
PROJECT NO. B–15189
DRAWING NO. P–799

12-20-67

Ambrosius Property – 1620 Grant Street – Ashwaubenon, Wisconsin
WDNR BRRTS# 02-05-551631

F.3. Verification of Zoning

Official Zoning Maps from the Village of Ashwaubenon

Francine Robeny, Village of Ashwaubenon, GIS Coordinator, P: (920) 492-2308, E: frobeny@ashwaubenon.com
Path: H:\arcview projects\arcgis 10 projects\2016 zoning map\2016 ZONING MAP -11x17.mxd

Legend

Parcel Zoning

- R1:One-Family Residence
- R2:Two-Family Residence
- RE:Rural Estate
- R3:Multi-Family Residence
- B1:Local Business
- B2:General Business
- B3:Community Business
- VC:Village Center
- SE:Sports and Entertainment
- SB:Special Business
- I1:Light Industry
- I2:Heavy Industry
- IP:Industrial Park
- BP:Business Park
- SI:Special Industry
- P-Public Use

Airport Zoning

- Zone A
- Zone B
- Zone C

- Planned Unit Development
- Zoning Overlay District
- Water Features
- Green Bay Austin Straubel Int. Airport
- Municipal Boundary

This map shows the approximate relative location of property boundaries, but was not prepared by a professional land surveyor. This map is provided for informational or reference purposes only and may not be sufficient or appropriate for legal, engineering, or surveying purposes. This data is only as accurate as to the best of our knowledge at the time of original creation. The Village of Ashwaubenon is not responsible for any inaccuracies.

STH-172
USH-41
FOX RIVER
VA-L202
Ambrosius Property

N
W E
S

0 1,000 2,000 4,000
Feet

Village of Ashwaubenon
Official Zoning Map

December 20, 2016

Ambrosius Property – 1620 Grant Street – Ashwaubenon, Wisconsin
WDNR BRRTS# 02-05-551631

F.4. Signed Statement

To whom it may concern:

As a representative of GDC American BLVD LLC, to the best of my knowledge the attached legal description accurately describes the correct contaminated property.

Thank you,

Gary De Caster, Member

Ambrosius Property – 1620 Grant Street – Ashwaubenon, Wisconsin
WDNR BRRTS# 02-05-551631

TABLE OF CONTENTS

G.1. Deed

Not Applicable. There are no affected property owners who require notification.

G.2. Certified Survey Map

Not Applicable. There are no affected property owners who require notification.

Ambrosius Property – 1620 Grant Street – Ashwaubenon, Wisconsin
WDNR BRRTS# 02-05-551631

G.3. Verification of Zoning

Not Applicable. There are no affected property owners who require notification

G.4. Signed Statement

Not Applicable. There are no affected property owners who require notification