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

Tony Evers, Governor Preston D. Cole, Secretary Telephone 608-266-2621 Toll Free 1-888-936-7463 TTY Access via relay - 711



July 2, 2019

GDC American Blvd LLC Attn: Mr. Gary De Caster P.O. Box 13427 Green Bay, WI 54307

480 Pilgrim Development, LLC Attn: Mr. David Dewick 1428 Fox River Drive De Pere, WI 54115

AB Hospitalities, LLC Attn: Mr. Terry Gerbers 480 Pilgrim Way, Suite 1200 Green Bay, WI 54304

#### KEEP THIS DOCUMENT WITH YOUR PROPERTY RECORDS

SUBJECT:

Final Case Closure

Ashwaubenon Boardwalk, 2491 South Broadway (aka 465 and 480 Pilgrim Way),

Village of Ashwaubenon, WI

DNR BRRTS Activity #: 02-05-551641

Dear Mr. De Caster, Mr. Dewick and Mr. Gerbers:

The Department of Natural Resources (DNR) considers the Ashwaubenon Boardwalk contamination case closed. No further investigation or remediation is required at this time. Provide this letter to anyone who purchases this property from you. The closure applies to Polycyclic Aromatic Hydrocarbons (PAHs), Volatile Organic Compounds (VOCs), Polychlorinated Biphenyls (PCBs) and/or metals in soil and/or groundwater.

This final closure decision is based on the correspondence and data provided and is issued under Wis. Adm. Code ch. NR 726. The DNR reviewed the request for closure on March 22, 2019. The DNR reviews environmental remediation cases for compliance with state laws and standards to maintain consistency in the closure of these cases. Final revisions to the closure request were received on June 21, 2019, from Max Wilkinson of NRP Consultants, Inc.

The site is identified by the historic parcel boundaries of parcels VA-146-2 and VA-146-3 as identified on the attached map (Figure B.3.d; Monitoring Wells; April 21, 2019). Subsequent to the completion of the site investigation, the above parcels were merged into a larger parcel identified via parcels VA-1373, VA-1374 and VA-1374-1. This closure only covers the known contamination contained within the historic parcels VA-146-2 and VA-146-3.



July 2, 2019 Mr. De Caster, Mr. Dewick and Mr. Gerbers Final Closure Letter Ashwaubenon Boardwalk - BRRTS # 02-05-551641

Historically, the site appears to have been agricultural and residential land use prior to being utilized for commercial and/or manufacturing purposes from 1992-2000. Any site buildings were razed circa 2004. There are no other known historical uses of the site. Contamination was discovered in 2008 and believed to have been caused by contaminated fill material removed from a contaminated industrial property known as GDC American Blvd (BRRTS # 02-05-551627) in West De Pere and deposited on the Ashwaubenon Boardwalk property in 2006 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 contaminants were Polycyclic Aromatic Hydrocarbons (PAHs). Soil sampling over time exhibited declining PAH concentrations to generally below the applicable soil standards. The attached map (Figure B.3.d; Monitoring Wells; April 21, 2019) shows the site parcel boundaries and soil and groundwater sampling locations.

Some low-level PAH, PCB and metal contamination may remain in the soil across the property below standards and/or background threshold values. 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 Wis. Adm. Code ch. NR 718, 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,
Asjanne of Chroner

ec:

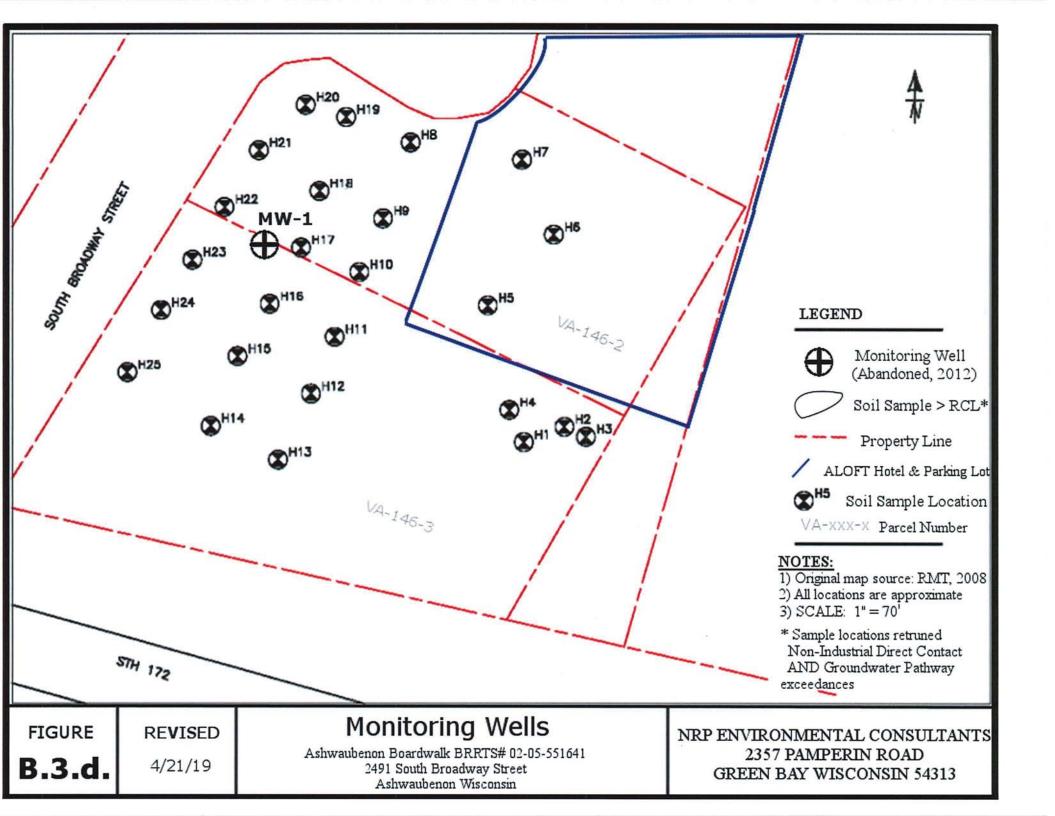
Roxanne N. Chronert

Team Supervisor, Northeast Region

Remediation and Redevelopment Program

Attachment: Figure B.3.d; Monitoring Wells; April 21, 2019

Max Wilkinson, NRP Consultants, Inc. (maxnrpconsultants@gmail.com)



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

### Case Closure - GIS Registry Form 4400-202 (R 3/15) Page 1 of 14

## 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 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.

information is provided.		
Site Information	VPLE No.	
BRRTS No.	·	WW. Talk - Cale No.
02-05-551641		
Parcel ID No.		
VA-1373. VA-1374, VA-1374-1	WTM Co	oordinates
FID No.	X	TY
	674832	446828
BRRTS Activity (Site) Name	WTM Coordinates Represent:	
	Source Area	Parcel Center   State   ZIP Code
Ashwaubenon Boardwalk	City	
Site Address	Ashwaubenon	WI
2491 South Broadway Street		
Acres Ready For Use	4	
Responsible Party (RP) Name		
GDC American Blvd LLC		
Company Name		loi I IZID Codo
GDC American Blvd LLC	City	State ZIP Code
Mailing Address	Green Bay	WI 54307
PO Box 13427	Email	
Phone Number	idecaster@llegacy.net	
(920) 347-1755		
Check here if the RP is the owner of the source prop	org.	
Environmental Consultant Name		
Maxwell Wilkinson  Consulting Firm		
NRP Environmental Consultants		Tour STIP Code
Mailing Address	City	State ZIP Code
2357 Pamperin Rd Suite 2	Green bay	WI   54313
Phone Number	Email	
(920) 327-1081	MaxNRPConsultants@gmail.c	com
Demost		Lather DND Degional EDA
fill in forms and the ent	licable ch. NR 749, Wis. Adm. Code, fee(s)	to the DNK Regional Erv
<ol> <li>Send a copy of page one of this form and the app (Environmental Program Associate) at http://dnr.w</li> </ol>	i.gov/topic/Brownneids/Contact.htm.	nook all roos and spirit
	\$300 Database Fee fo	
\$350 Database Fee for Groundwater or	Total Amount of Payment	\$ \$1,050.00
Monitoring Wells (Not Abandoned)	Resubmittal, Fees Pre	
<ol> <li>Send one paper copy and one e-copy on compa assigned to your site. Submit as <u>unbound, separa</u> electronic document submittal requirements, see h</li> </ol>	re accuments in the order and with the disco	p. coc

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Activity (Site) Name Form 4400-202 (R 3/15)

#### 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 the Village of Ashwaubenon approximately 1,000 feet West of the Fox River. Specifically, the site is North of the overpass of WI-172, Southeast of the intersection of S Broadway Street and Pilgrim Way. The property is bordered to the North by Alof Hotel and BMO Harris Bank buildings, to the West by South Broadway street, and to the East by undeveloped parcel VA-1405. Contaminated soils are located South of the circle drive to the Aloft hotel, along the west end of the lot. PLSS Location is described as NE 1/4 of the SE 1/4 of Section 10, T23N, R20E.

B. Prior and current site usage: Specifically describe the current and historic occupancy and types of use.

The site is composed of multiple parcels which are currently either undeveloped, or a part of the Aloft hotel property. The village of Ashwaubenon owned the site in the late 2000's. Historic aerial imagery shows the site occupied with commercial or manufacturing buildings and associated parking lots from 1992 to 2000. The buildings appear to have been razed in 2004. The area surrounding the site has been a commercial business setting since the early 1990's. The site appears to have had agriculture and residential use prior to commercial development.

- C. Current zoning (e.g., industrial, commercial, residential) for the site and for neighboring properties, and how verified (Provide documentation in Attachment G).
  - B3 Community Business Village of Ashwaubenon Zoning Map
- D. Describe how and when site contamination was discovered.

The Site has low level Polycyclic Aromatic Hydrocarbon (PAH) based soil contamination. Contaminated fill material was placed on the site in 2006 to raise the site elevation for future development. Confirmation sampling performed by RMT on behalf of the DNR in November 2008. The origin of the contaminated fill material/soil was an industrial property in West De Pere located at 2191 American Boulevard (Parcel WD-L176). (The original source of contamination is believed to be former municipal waste water sludge lagoons on the WD-L176 property from the late 1960's and 70's.)

E. Describe the type(s) and source(s) or suspected source(s) of contamination.

The Site has low level Polycyclic Aromatic Hydrocarbon (PAH) based soil contamination. Contaminated fill material was placed on the site in 2006 to raise the site elevation for future development. Confirmation sampling was performed by RMT on behalf of the DNR in November 2008. The origin of the contaminated fill material/soil was an industrial property in West De Pere located at 2191 American Boulevard (Parcel WD-L176). (The original source of contamination is believed to be former municipal waste water sludge lagoons on the WD-L176 property from the late 1960's and 70's.)

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

Fill material was brought to the Ashwaubenon Boardwalk property from several unidentified sites NOT owned by GDC American BLVD LLC. The known contaminated soil originated from GDC American Blvd. BRRTS #02-05-551627.

G. List BRRTS activity/site name and number for BRRTS activities at this source property, including closed cases.

0205551641 - Ashwaubenon Boardwalk

H. List BRRTS activity/site name(s) and number(s) for all properties immediately adjacent to (abutting) this source property.

0205520114 - Southern Riverfront Redevelopment 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.

The NRCS soil survey identified the following soil map units on the property:

BRRTS No. Activity (Site) Name

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The western 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.

Geoprobe soil boring advanced at the site for the installation of MW-1 revealed reddish brown silty clay with some silt covered round pebbles and stones. At 9' below grade the material had higher percentage of sand particles which was observed to 17'. This was the only boring advanced on the property. Significant vertical and lateral variations from the boring profile are not expected.

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

Fill material was brought to the site from many unknown locations to raise the ground surface elevation of the property, and to create berms along South Broadway street. Most of the PAH soil detects were returned from the berms, with a few sample locations toward the center of the lot. 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 some areas of the site were raised approximately 5-10 feet with fill material.

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

The nearest area well construction reports indicate a depth to limestone bedrock at 56' 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 grass. The Aloft hotel parking areas are paved asphalt to the north.

#### 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.

During the installation of MW-1 on June 2, 2011, the water table appeared to be at about 8' below grade (see December 12, 2011 report titled "Update on Site Work - Ashwaubenon Boardwalk, LLC Property 2491 S Broadway Street Ashwaubenon, Parcel Numbers VA-146-2 and VA-146-3 WDNR BRRTS # 02-05-551641". 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 Fox River which is approximately 1000 feet east of the site. Regional groundwater generally flows 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.

Groundwater flow characteristics were not investigated at this site. The shallow soils on site observed were typically silty clay. Relatively high sand content was observed in the bottom of the soil boring advanced for the installation of MW-1. The sand content suggests moderate groundwater conductivity. Only one soil boring was advanced on site, which returned VERY MINOR PAH detects well below any applicable standard. Fill added across the site was surface applied.

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).

There is a private well at 2580 S Broadway (Well # RG481) is approximately 1,200 feet southwest of the site. The well is 10 welded steel to 496 feet with neat cement grout seal to end of casing. Bedrock geology is Limestone/Dolomite.

#### 3. Site Investigation Summary

A. General

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BRRTS No.

Activity (Site) Name

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.

11/11/2008 - RMT advances soil borings H-1 through H-24 across the property.

06/02/2011 - NRP advances one geoprobe soil boring to 17' and converts to monitoring well MW-1.

06/14/2011 - NRP collects 10 hand auger soil samples from DNR recommended locations based on 2008 sample results. 12/12/2011 - NRP submits "Update on Site Work - Ashwaubenon Boardwalk Property 2491 South Broadway Street,

Ashwaubenon, Parcel Numbers VA-146-2 and VA-146-3 BRRTS# 02-05-51641" update with soil and groundwater analytical data

08/17/2012 - NRP collects samples per DNR request, and abandons MW-1.

06/17/2015 - NRP submits "Update and Proposed Site Work - Ashwaubenon Boardwalk Property, 2491 South Broadway Street, Ashwaubenon, Parcel Numbers VA-146-2 and VA-146-3 BRRTS# 02-05-51641" detailing proposed

work and analytical sample results from previous sampling.

12/08/2016 - NRP Submits "Update - Ashwaubenon Boardwalk Property; 2491 South Broadway Street, Ashwaubenon, Parcel Numbers VA-146-2 and VA-146-3 BRRTS# 02-05-51641" detailing the revised PAH values in the 2017 RCL spreadsheet. The updated RCL values for PAHs significantly reduced the number of sample locations with RCL exceedances.

5/10/2018 - NRP collects soil samples from sample locations 11, 12, and 24 which had been the only locations with non-industrial RCL exceedances. Analytical results returned NO RCL exceedances for soil PAH.

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.

There is no indication that contamination extends beyond the property boundary.

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

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

Soil sample analytical results from ALL sample locations and resample locations are below applicable RCL's. Based on the new RCL soil standards, the site has NO soil exceedances over the applicable RCL.

The receptors and migration pathways of concern are native soil and groundwater. Groundwater samples collected in 2011 returned VERY MINOR detects of PAH compounds.

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 from 0-1 foot of the soil profile. Analytical soil sample results from ALL sample locations fall below NR 720 non-industrial direct contact standards. Please refer to Attachment A.2. - Soil Analytical Results Table for all analytical sample concentrations.

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 detects of PAH above the Residual Contaminant Level groundwater pathway, or Non-Industrial Direct Contact Standard for Benzo(a)pyrene in 2016. The site is zoned Community Business by the Village of Ashwaubenon. The land use established for the cleanup standard is Non-Industrial - Direct Contact.

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#### C. Groundwater

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 in 2011 returned VERY MINOR PAH detects in MW-1. NONE of these detects is at or approaching any applicable groundwater standard. Impacts or interception with building foundations is also unlikely given observed analytical contaminant concentrations, proximity to nearby buildings, and the Fox River.

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

 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 or requested.

 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. The site is an open field with no structures anywhere near the impacted, and now remediated, soil.

#### E. Surface Water and Sediment

 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 were not assessed as part of the investigation, nor were they requested by the department. Dense vegetation has covered the impacted soil since site grading.

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. Please see above (3.E.i.).

#### 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 has been natural attenuation. Soil samples were collected to assess contaminant degradation starting in 20008, with resampling in 2011, 2012, 2014, and 2016.

Remedial Action Reports previously submitted:

12/12/2011 - "Update on Site Work - Ashwaubenon Boardwalk Property 2491 South Broadway Street, Ashwaubenon, Parcel Numbers VA-146-2 and VA-146-3 BRRTS# 02-05-51641" update with soil and groundwater analytical data. 06/17/2015 - "Update and Proposed Site Work - Ashwaubenon Boardwalk Property; 2491 South Broadway Street, Ashwaubenon, Parcel Numbers VA-146-2 and VA-146-3 BRRTS# 02-05-51641" detailing proposed work and analytical sample results from previous sampling.

12/08/2016 - "Update - Ashwaubenon Boardwalk Property; 2491 South Broadway Street, Ashwaubenon, Parcel Numbers VA-146-2 and VA-146-3 BRRTS# 02-05-51641" detailing the revised PAH values in the 2017 RCL spreadsheet. The updated RCL values for PAHs significantly reduced the number of sample locations with RCL exceedances.

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. After defining the degree and extent of contamination, the site was allowed to naturally attenuate until a second round of soil samples were collected.

BRRTS No.

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. Contaminants were degraded through natural attenuation/phytoremediation.

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, or excavating and disposing of contaminated soil in a landfill. These alternatives were deemed unfeasible as the RP is not the property owner, the cost of these options was also deemed unfeasible. The only technically and financially feasible remediation strategy was natural attenuation which has successfully degraded the contaminants of concern.

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

All available groundwater, soil sample, and resampling analytical results have returned PAH concentrations BELOW applicable RCLs. The site should be closed with NO OBLIGATIONS FOR RESIDUAL CONTAMINATION. Please refer to Table I in Attachment A.2 for complete details on soil sample analytical results. Contamination does not affect adjoining properties.

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

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.

ALL soil sample and resample analytical results indicate soil 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.

ALL soil sample and resample analytical results indicate soil has been effectively remediated below the Direct Contact Standard RCL for Non-Industrial sites. All soil samples were collected above the low water table. The groundwater sample collected from the site returned NO detects of PAH at or approaching ANY applicable NR140 standard.

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.

Remaining contamination is below applicable RCLs and will continue to degrade through natural attenuation.

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 VERY MINOR detects of PAH compounds. NONE near the applicable NR 140 groundwater standard. By 2011 contaminated soil had been present on-site for several years, and groundwater impacts would have been observed in MW-1.

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

Natural attenuation has been the only means of remediation at this site. Soil sample analytical results show successful remediation of contaminants. Groundwater analytical results from 2011 showed only MINOR detects of PAH's. 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.

Temporary Monitoring wells were abandoned per NR 141 requirements in 2012.

Ashwaubenon Boardwalk

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BRRTS No.

Activity (Site) Name

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.

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. Compounds of concern or generally non-volatile/explosive.

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. Surface water or sediment contamination are not expected at this site given vegetated site conditions and the age of the now remediated fill.

 Continuing Obligations: Situations where sites, including all affected properties and rights-of-way (ROWs), are included on the DNR's GIS Registry. In certain situations, maintenance plans are also required, and must be included in Attachment D.

Directions: For each of the 3 property types below, check all situations that apply to this closure request.

(NOTE: Monitoring wells to be transferred to another site are addressed in Attachment E.)

This situation applies to the following property or Right of Way (ROW):							
	Property Typ	oe:		Case Closure Situation - Continuing Obligation Inclusion on the GIS Registry is Required (ii xiv.)	Maintenance Plan		
	Source Property	Affected Property (Off-Source)	ROW		Required		
i.	$\boxtimes$	$\boxtimes$		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		
х.			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		

02-05-551641		Ashwaubenon	Boardwalk Case C	losure - (	GIS Re	Registry	
BR	RTS	No. Activity (Site) Na	ne Form 4400-2	202 (R 3/15)	Pa	age 8 of 14	
6.	Un A.	nderground Storage Tanks Were any tanks, piping or other a or remedial action?	ssociated tank system components removed as part of the in	vestigation	○ Yes	<ul><li>No</li></ul>	
	В.	Do any upgraded tanks meeting	he requirements of ch. ATCP 93, Wis. Adm. Code, exist on the	he property?	○ Yes	<ul><li>No</li></ul>	
	C.	If the answer to question 6.B. is y	es, is the leak detection system currently being monitored?		○ Yes	○ No	

BRRTS No.

Case Closure - GIS Registry

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#### 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).

#### **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

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.

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.

**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.

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**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.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

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.

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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	Attacl	nment E)
MARKETER	LACAL	IIII O I I I I G G G T	And in contrast of the last of	And a Control of the

**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)

S	ele	ct	0	ne:
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	ect	
		nonitoring wells were installed as part of this response action.
•	All n	nonitoring wells have been located and will be properly abandoned upon the DNR granting conditional closure to the site
0	Sele	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.

- 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.

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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.

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E	Letter the section of Attended B	/ A (1 l	.,																
L	Notifications to Owners of Affected Properties	(Attachment G	1)						F	Reas	ons	Noti	ifica	tion	Lette	er S	ent:		
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
Α																			
В																			
С																			
D																			

02-05-551641 BRRTS No.	Ashwaubenon Boardwalk Activity (Site) Name	Case Closure - GIS Registry Form 4400-202 (R 3/15) Page 14 of 14
Signatures and Findi	ngs for Closure Determination	
Check the correct box for	or this case closure request, and have either a profes Code, sign this document.	sional engineer or a hydrogeologist, as defined in
A response action(	s) for this site addresses groundwater contamination	(including natural attenuation remedies).
∑ The response action	n(s) for this site addresses media other than groundw	vater.
<b>Engineering Certifica</b>	tion	
closure request has Conduct in ch. A-E & closure request is co to 726, Wis. Adm. Co investigation has bee have been complete Codes."	nsin, registered in accordance with the requirem been prepared by me or prepared under my sup 3, Wis. Adm. Code; and that, to the best of my k rrect and the document was prepared in compliance wi	is. Adm. Code and actions
Hydrogeologist Cert		
thic roca cincilla tor	thest is correct and the obcument was bigualed	bby certify that I am a hydrogeologist as that term is f my knowledge, all of the information contained in I by me or prepared by me or prepared under my hs. NR 700 to 726, Wis. Adm. Code. Specifically,

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 chs. NR 716, Wis. Adm. Code, and all necessary remedial actions have been completed in accordance with chs. NR 718, NR 720, NR 722, NR 724 and NR 726, Wis. Adm. Codes."

Ronald J Engel

Printed Name

Ronald J. Engel

Ronald J. Engel

February 20, 2019

Date

Title

February 20, 2019

Date

### **TABLE OF CONTENTS**

#### **ATTACHMENT A – DATA TABLES:**

- A.1. Groundwater Analytical Tables
- A.2. Soil Analytical Results Tables
- **A.3. Residual Soil Contamination Tables** No Attachment.
- **A.4. Vapor Analytical Table** No Attachment.
- **A.5. Other Media of Concern** No Attachment.
- **A.6. Water Level Elevations Tables** No Attachment.
- **A.7. Other** No Attachment.

## A.1. Groundwater Analytical Tables

## Ashwaubenon Boardwalk - 465 Pilgrim Way, Ashwaubenon, Wisconsin WDNR BRRTS# 02-55-551641

### A.1. Groundwater Analytical Table

Sample ID	MW-1	NR 140 Groundwater Standard					
Sample Date	6/17/2011	Preventive	Enforcement				
PAH Compound - ug/L		Action Limit	Standard				
ACENAPHTHENE	<.0045	NE	NE				
ACENAPHTHYLENE	<.0036	NE	NE				
ANTHRACENE	.0060J	600	3000				
BENZNO(a)ANTHRACENE	<.0036	NE	NE				
BENZO(a)PYRENE	<.0029	0.02	0.2				
BENZO(b)FLUORANTHENE	<.0034	0.02	0.2				
BENZO(g,h,i)PERYLENE	<.0048	NE	NE				
BENZO(k)FLUORANTHENE	<.0044	NE	NE				
CHRYSENE	<.0035	0.02	0.2				
DIBENZO(a,II)AN I HRACEN E	<.0032	NE	NE				
FLUORANTHENE	<.0044	80	400				
FLUORENE	<.0048	80	400				
INDENO(1,2,3-cd)PYRENE	<.0047	NE	NE				
1-METHYLNAPHTHALENE	.013J	NE	NE				
2-METHYLNAPHTHALENE	.023J	NE	NE				
NAPHTHALENE	.032J	10	100				
PHENANTHRENE	<.0081	NE	NE				
PYRENE	<.0047	50	250				

### NOTES:

μg/L = parts per billion

ND = Not detected above the MDL

NE -= Standard Not Established

Q - Detected below the limit of quantification

## A.2. Soil Analytical Results Table

PAH analytical results for original soil sample and resample locations.

#### Ashwaubenon Boardwalk - 465 Pilgrim Way, Ashwaubenon, Wisconsin

#### WDNR BRRTS# 02-55-551641

#### A.2. Soil Analytical Results Table

	Sample ID			H-1	H-2	H-3	H-4	A-4	4-RR	4	H-5	H-6	H-7	H-8	A-8	8-RR	8	H-9	A-9	9-RR	9
Compound		Sample Depth	(ft)	4-4.5	4-4.5	2-2.5	3.5-4	0.5	0.5	0.5	0-0.5	0-0.5	0-0.5	0-0.5	0.5	0.5	0.5	0.4	0.5	0.5	0.5
		Collection Dat	e	11/11/08	11/11/08	11/11/08	11/11/08	8/17/12	11/14/14	8/31/16	11/11/08	11/11/08	11/11/08	11/11/08	8/17/12	11/14/14	8/31/16	11/11/08	8/17/12	11/14/14	8/31/16
		uggested generic residual contaminant levels (RCL's) for PAH in soil (ug/kg)																			
PAH Compound - ug/kg	Non-Industrial Direct Contact	Industrial Direct Contact	Groundwater Pathway																		
Acenaphthene	3,590,000	45,200,000	NE	<89	<82	<92	<82	<10.3	<10.7	<9.5	<88>	<180	<91	<170	16.6J	<10.2	<9.4	<84	<9.4	<10.0	<10.3
Acenaphthylene	NE	NE	NE	<150	<140	<160	<140	<10.3	<9.6	<8.5	<150	<310	<160	<290	<9.9	<8.1	<8.4	<140	<9.4	<9.0	<9.2
Anthracene	17,900,000	100,000,000	196,949	19	17	15	51	3.6J	13.2J	<9.8	12	<18	<9.1	96	25.6	<10.6	25.2	110	7.4J	13.3J	<10.7
Benzo(a)anthracene	1,140	20,800	NE	60	99	100	200	18.6J	36.7	41.5	63	36	12	190	70.9	35.6	85.6	290	29.5	53.7	17.5 J
Benzo(a)pyrene	115	2,110	470	<54	100	100	250	23.8	38.9	52.4	63	37	15	190	72.7	40.2	107	270	39.8	62.3	21.1
Benzo(b)floranthene	1,150	21,100	479.3	<45	48	47	170	20.3J	35.4	56.8	31	22	9.3	140	74	44.9	96.0	190	24.6	58.6	18.8 J
Benzo(g,h,i)perylene	NE	NE	NE	<54	140	140	220	23	38.9	42.9	94	54	20	140	75.2	43.6	76.9	210	33.4	65.2	15.5 J
Benzo(k)fluoranthene	11,500	211,000	NE	27	150	130	91	19.8J	27.6	47.9	89	36	14	69	61.2	38.3	110	99	31.9	54.6	22.6
Chrysene	115,000	2,110,000	144.6	58	93	96	190	23.1	49.7	53.1	65	40	13	170	84.9	54.1	116	230	36.2	76.6	23.4
Dibenzo(a,h)anthracen	115	2,110	NE	<13	17	16	32	<10.3	<7.9	13.2 J	<13	<27	<14	<26	19.7J	12.6J	25.2	15	10.8J	15.1J	<7.5
Fluoranthene	2,390,000	30,100,000	88,878	130	200	200	510	39.7	86.6	84.3	160	130	30	500	168	92.3	199	680	64.2	125	40.1
Fluorene	2,390,000	30,100,000	14,830	<18	<16	<18	<16	<10.3	<10.7	<9.5	<18	<36	<18	<34	12.4J	<10.2	<9.4	18	<9.4	<10.0	<10.3
Indeno(1,2,3-	1,150	21,100	NE	110	160	180	240	15.6J	22.8	36.8	150	84	18	140	52.2	27	64.9	180	25.1	40.3	14.0 J
1-Methylnaphthalene	17,600	72,700	NE	<54	<49	<55	<49	<9.4	<10.7	<9.5	<53	<110	<55	<100	18.3J	10.5J	14.8 J	<51	20.5	<10.0	<10.3
2-Methylnaphthalene	239,000	3,010,000	NE	<45	<41	<46	<41	5.6J	12.9J	<9.5	<44	<91	<46	<86	26.1	13.8J	21.0	<42	25.9	12.4J	<10.3
Naphthalene	5,520	24,100	658.2	<54	<49	<55	<49	5J	<10.7	<9.5	<53	<110	<55	<100	20.2	10.4J	15.1 J	<51	17.9J	<10.0	<10.3
Phenanthrene	NE	NE	NE	75	75	64	250	18.4J	49.2	32.2	60	73	11	340	103	45	106	400	41.8	50.5	24.2
Pyrene	1,790,000	22,600,000	54,546	140	180	21	510	31.4	72.3	65.5	160	120	31	500	136	75.3	155	760	53.2	102	30.1
	Metals - in mg/kg or PPM <sup>1</sup>																				
Arsenic	0.584	0.677	3	<1.7	106	3.7	3.2	NA	NA	NA	<1.6	3.4	<1.7	<1.8	NA	NA	NA	<1.7	NA	NA	NA
Barium	164.8	15300	100000	72	58	83	46	NA	NA	NA	68	170	68	99	NA	NA	NA	73	NA	NA	NA
Cadmium	752.0	71.1	985	0.94	0.76	1.6	0.48	NA	NA	NA	0.85	1	0.85	0.08	NA	NA	NA	0.86	NA	NA	NA
Chromium	NS	100000	100000	29	24	73	22	NA	NA	NA	29	20	33	28	NA	NA	NA	25	NA	NA	NA
Lead	27	400	800	14	15.0	32	15	NA	NA	NA	20	17	21	7.6	NA	NA	NA	14	NA	NA	NA
Mercury	0.208	3.13	3.13	0.085	0.069	0.29	0.047	NA	NA	NA	0.1	0.038	0.073	0.016	NA	NA	NA	0.057	NA	NA	NA
Selenium	0.52	391	5840	<4.8	<4.4	<4.9	<4.4	NA	NA	NA	<4.7	<4.6	<4.9	<5.0	NA	NA	NA	<4.9	NA	NA	NA
Silver	0.8491	391	5840	<0.13	<0.12	0.77	0.13	NA	NA	NA	<0.13	<0.13	<0.13	<0.014	NA	NA	NA	<0.13	NA	NA	NA
PCBs - in mg/kg or PF																					
PCB-1016	4.11	28	NE	<0.06	< 0.05	< 0.061	<0.05	NA	NA	NA	<0.06	<0.058	<0.058	< 0.063	NA	NA	NA	<0.061	NA	NA	NA
PCB-1221	0.213	0.883	NE	<0.06	< 0.05	< 0.061	< 0.05	NA	NA	NA	<0.06	<0.058	<0.058	< 0.063	NA	NA	NA	<0.061	NA	NA	NA
PCB-1232	0.19	0.792	NE	<0.06	< 0.05	< 0.061	< 0.05	NA	NA	NA	<0.06	<0.058	<0.058	< 0.063	NA	NA	NA	< 0.061	NA	NA	NA
PCB-1242	0.235	0.972	NE	<0.06	< 0.05	< 0.061	< 0.05	NA	NA	NA	<0.06	<0.058	<0.058	< 0.063	NA	NA	NA	< 0.061	NA	NA	NA
PCB-1248	0.236	0.975	NE	<0.06	< 0.05	< 0.061	<0.05	NA	NA	NA	<0.06	<0.058	<0.058	< 0.063	NA	NA	NA	<0.061	NA	NA	NA
PCB-1254	0.239	0.988	NE	<0.06	< 0.05	< 0.061	< 0.05	NA	NA	NA	<0.06	<0.058	<0.058	< 0.063	NA	NA	NA	< 0.061	NA	NA	NA
PCB-1260	0.243	1	NE	<0.06	<0.05	< 0.061	<0.05	NA	NA	NA	<0.06	<0.058	<0.058	< 0.063	NA	NA	NA	<0.061	NA	NA	NA

NOTES:
Bold Concentrations exceed an established standard or suggested residual contamination level (RCL)

< means less than

NE = Standard is Not Established

ug/kg = ppb or parts per billion

NA = NOT ANALYZED

NOT AVAILABLE AND AVAILABLE IN THE AVAIL

#### Ashwaubenon Boardwalk - 465 Pilgrim Way, Ashwaubenon, Wisconsin

#### WDNR BRRTS# 02-55-551641

#### A.2. Soil Analytical Results Table

		Sample	ID	H-10	H-11	A-11	11-RR	11	11	H-12	A-12	12-RR	12	12	H-13	H-14	H-15	H-16	H-17	H-18	H-19
Compound		Sample Dep	th (ft)	0.40	0.4	0.5	0.5	0.5	0.05	0-0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
		Collection I	11/11/08	11/11/08	8/17/12	11/14/14	8/31/16	5/16/18	11/11/08	8/17/12	11/14/14	8/31/16	5/10/18	11/11/08	11/11/08	11/11/08	11/11/08	11/11/08	11/11/08	11/11/08	
PAH Compound -	Suggested generic residual contaminant levels (RCL's) for PAH in soil (ug/kg)																				
ug/kg	Non- Industrial	Industrial Direct	Groundwater Pathway																		
Acenaphthene	3,590,000	45,200,000	NE	<60	<87	<9.7	<10.4	14.6 J	<4.2	<86	<10	45.3	20.3	<4.5	<90	<88	<93	<58	<170	<73	<180
Acenaphthylene	NE	NE	NE	<100	<150	<9.7	<9.3	<8.6	<3.5	<150	<10	<9.3	<8.0	4.3 J	<150	<150	<160	<99	<290	<120	<300
Anthracene	########	100,000,000	196,949	<6.0	36	14.8J	<10.8	41.4	<6.1	100	8.4J	124	98.3	8.1 J	<9.0	<8.8	33	<5.8	<17	<7.3	23
Benzo(a)anthracene	1,140	20,800	NE	8	140	66.9	20.5J	128	24.0	170	33.2	252	215	44.9	50	32	99	8.8	39	34	77
Benzo(a)pyrene	115	2,110	470	8.8	130	97.6	24.9	142	27.7	170	36.5	185	206	50.9	60	31	83	6.8	33	29	66
Benzo(b)floranthene	1,150	21,100	479.3	<6.0	110	66.2	22.2	135	30.0	120	37.4	235	183	45.5	37	21	65	<5.8	16	17	41
Benzo(g,h,i)perylene	NE	NE	NE	13	190	86.4	23.4	102	22.3	110	39.8	242	109	42.1	73	43	120	9.7	45	36	86
Benzo(k)fluoranthene	11,500	211.000	NE	8.2	150	74.1	18.6J	144	25.7	84	35	144	185	43.3	60	27	78	7.4	30	27	56
Chrysene	115.000	2.110.000	144.6	6.6	150	79	28.9	158	32.8	150	40.2	198	229	53.5	47	31	92	7.4	<17	26	68
Dibenzo(a,h)anthracen	115	2.110	NE	<8.9	20	21.7	<7.6	35.0	7.3 J	15	10.5J	48.9	43.7	17.9	<14	<13	<14	<8.7	<25	<11	<26
Fluoranthene	2.390.000	30.100.000	88.878	17	350	143	48.9	331	45.6	400	72.8	569	457	63.4	120	79	250	16	100	79	210
Fluorene	2.390.000	30,100,000	14.830	<12	<17	<9.7	<10.4	15.8 J	<4.5	<17	<10	45.7	29.8	<4.8	<16	<18	<19	<12	<34	<15	<35
Indeno(1,2,3-	1.150	21.100	NE	<6.0	150	62.1	14.2J	94.5	18.9	120	28.9	130	107	32.7	36	15	64	<5.8	22	25	52
1-Methylnaphthalene	17.600	72,700	NE	<36	<52	11.4J	<10.4	<9.6	<4.3	<52	<9.1	25.7	<9.0	10.7 J	<54	<53	<56	<35	<100	<44	<110
2-Methylnaphthalene	239,000	3,010,000	NE	<30	<44	18.5J	<10.4	<9.6	<5.4	140	10.3J	33.1	9.1 J	15.1 J	<45	<44	<46	<29	<85	<36	<88
Naphthalene	5,520	24.100	658.2	<36	<52	35.2	<10.4	12.4 J	<9.1	<52	7.8J	30.3	<9.0	12.0 J	<54	<53	<56	<35	<100	<44	<110
Phenanthrene	NE	NE NE	NE	6.2	170	55.5	21.7	187	19.6 J	320	35.4	427	276	24.0 J	44	33	150	<5.8	37	25	120
Pyrene	1.790.000	22,600,000	54,546	20	390	118	40.9	241	38.9	420	60.5	481	345	58.9	110	79	280	17	95	65	200
Metals - in mg/kg or PPM													,								200
Arsenic	0.584	0.677	3	<1.7	<1.6	NA	NA	NA	NA	<1.6	NA	NA	NA	NA	<1.7	<1.6	<1.7	2.3	2.2	<1.6	4
Barium	164.8	15300	100000	100	62	NA	NA	NA	NA	57	NA	NA	NA	NA	66	59	71	69	69	64	58
Cadmium	752.0	71.1	985	0.78	0.72	NA	NA	NA	NA	0.67	NA	NA	NA	NA	0.67	0.6	0.87	0.72	0.72	0.75	0.7
Chromium	NS	100000	100000	29	25	NA	NA	NA	NA	21	NA	NA	NA	NA	26	22	28	23	23	25	22
Lead	27	400	800	10	15	NA	NA	NA	NA	15	NA	NA	NA	NA	16	15	18	16	16	15	20
Mercury	0.208	3.13	3.13	0.023	0.074	NA	NA	NA	NA	0.06	NA	NA	NA	NA	0.071	0.035	0.058	0.023	0.023	0.06	0.045
Selenium	0.52	391	5840	<4.6	<4.7	NA	NA	NA	NA	<4.6	NA	NA	NA	NA	<4.8	<4.7	<4.9	<4.6	<4.6	<4.7	<4.7
Silver	0.8491	391	5840	<0.13	<0.13	NA	NA	NA	NA	<0.13	NA	NA	NA	NA	<0.13	<0.13	<0.14	<0.13	<0.12	<0.13	<0.13
PCBs - in mg/kg or PF	PM 1																				
PCB-1016	4.11	28	NE	<0.06	<0.058	NA	NA	NA	NA	<0.058	NA	NA	NA	NA	<0.06	<0.59	< 0.62	<0.058	<0.57	<0.058	<0.059
PCB-1221	0.213	0.883	NE	<0.06	<0.058	NA	NA	NA	NA	<0.058	NA	NA	NA	NA	<0.06	<0.59	<0.62	<0.058	<0.57	<0.058	<0.059
PCB-1232	0.19	0.792	NE	<0.06	<0.058	NA	NA	NA	NA	<0.058	NA	NA	NA	NA	<0.06	<0.59	< 0.62	<0.058	<0.57	<0.058	<0.059
PCB-1242	0.235	0.972	NE	<0.06	<0.058	NA	NA	NA	NA	<0.058	NA	NA	NA	NA	<0.06	<0.59	< 0.62	<0.058	<0.57	<0.058	<0.059
PCB-1248	0.236	0.975	NE	<0.06	<0.058	NA	NA	NA	NA	<0.058	NA	NA	NA	NA	<0.06	<0.59	<0.62	<0.058	<0.57	<0.058	<0.059
PCB-1254	0.239	0.988	NE	<0.06	<0.058	NA	NA	NA	NA	<0.058	NA	NA	NA	NA	<0.06	< 0.59	<0.62	<0.058	<0.57	<0.058	<0.059
PCB-1260	0.243	1	NE	<0.06	<0.058	NA	NA	NA	NA	<0.058	NA	NA	NA	NA	<0.06	<0.59	<0.62	<0.058	<0.57	<0.058	<0.059
NOTES:																					

#### NOTES:

Bold Concentrations exceed an established standard or suggested residual contamination level (RCL)

< means less than

NE = Standard is Not Established

ug/kg = ppb or parts per billion

NA = NOT ANALYZED

NOTE ON SAMPLE IDS: Previous Project Manager did not follow standard ID labeling protocol. All sample points with same NUMERIC value in sample ID were collected from approximately the same physical location on-site. (i.e. samples H-8, A-8, 8-RR, and 8 are from the same sample location)
NOTE on VOC: VOC's were analyzed by RMT in 2008. No detects were returned above laboratory LOD.

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#### Ashwaubenon Boardwalk - 465 Pilgrim Way, Ashwaubenon, Wisconsin

#### WDNR BRRTS# 02-55-551641

#### A.2. Soil Analytical Results Table

A.2. Soil Analytical Results Table  A.2. Soil Analytical Results Table  Sample ID Suggested generic residual   H-20   A-20   20-RR   20   H-21   A-21   21-RR   21   H-22   A-22   22-RR   22   H-23   A-23   23-RR   23   H-24   A-24   24-RR   24   24   24-RR   25   H-26   A-27   A-28   A-28																								
Sample ID	Sugges	ted generic	residual	H-20	A-20	20-RR	20	H-21	A-21	21-RR	21	H-22	A-22	22-RR	22	H-23	A-23	23-RR	23	H-24	A-24	24-RR	24	24
Sample Depth (ft)	contamin	ant levels (F	RCL's) for	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Collection Date	PAI	H in soil (ug.	/kg)	11/11/08	8/17/12	11/14/14	8/31/16	11/11/08	8/17/12	11/14/14	8/31/16	11/12/08	8/17/12	11/14/14	8/31/16	11/12/08	8/17/12	11/14/14	8/31/16	11/12/08	8/17/12	11/14/14	8/31/16	5/10/2018
	Non-	Industrial	Groundwa																					
PAH Compound - ug/kg	Industrial	Direct	ter																					
. , , ,	Direct	Contact	Pathway																					
Acenaphthene	3.590.000	***************************************	NE ,	<210	<9.8	72.7	<9.5	<440	12.3J	76.8	<9.4	<920	<9.8	15.9J	<9.6	<90	9.8J	15.3J	<9.7	86	<10.1	18.6J	25.1	<4.6
Acenaphthylene	NE	NE	NE	<360	24.3	<10.3	<8.5	<750	<9.7	10.3J	<8.4	<1.600	<9.8	<9.5	<8.6	<150	53.6	<9.1	<8.7	<140	<10.1	<9.	<8.6	<3.9
Anthracene	########	########	196,949	37	32.9	171	14.7 J	190	24.8	122	10.7 J	2,500	16.7J	45.8	<9.9	77	56	35.2	11.8 J	37	16.6J	32.2	72.7	10.3 J
Benzo(a)anthracene	1.140	20.800	NE	120	111	299	48.1	390	63.8	288	39.3	3,700	61.4	92.8	7.4 J	150	200	84.5	39.6	120	50.3	62.2	155	47.9
Benzo(a)pyrene	115	2.110	470	130	143	221	55.5	290	94.1	286	48.9	3,300	80.8	81.3	<6.8	160	267	69.1	42.7	130	74.7	51.51	156	41.9
Benzo(b)floranthene	1.150	21,100	479.3	130	105	285	88.8	210	63.5	282	78.5	2,100	57.4	106	<9.6	130	191	79.9	60.7	98	56	69.9	238	60.9
Benzo(a,h.i)pervlene	NE	NE NE	NE.	99	128	285	19.7	240	80.6	298	20.5	2,400	68.4	83.1	<7.3	100	227	83.8	30.0	96	65.3	61.6	50.0	21.4
Benzo(k)fluoranthene	11,500	211,000	NE	68	106	178	30.5	160	74.3	194	27.9	1,300	57.9	60.1	<10.6	82	142	55.6	24.8	69	56.7	41.9	86.1	24.5
Chrysene	115.000	2,110,000	144.6	190	127	371	67.0	55	81	389	53.5	2,800	76.9	120	<8.8	130	205	106	52.7	110	65.9	79.5	177	51.1
Dibenzo(a.h)anthracene	115	2,110	NE	<32	34.9	55.4	<6.9	<66	23	71	<6.9	370	21.2	19.0J	<7.0	15	55.9	16.4J	8.4 J	13	19.2	12.3J	18.1 J	6.4 J
Fluoranthene	2.390.000	########	88.878	340	260	850	117	830	145	693	84.1	9.700	143	232	11.0 J	380	278	204	89.3	310	131	143	404	90.8
Fluorene	2.390.000	########	14.830	<43	<9.8	95.6	<9.5	90	10.4J	72.7	<9.4	1,300	<9.8	17.9J	<9.6	<18	<9.7	15.1J	<9.7	17	<10.1	15.7J	23.6	<4.9
Indeno(1,2,3-cd)pyrene	1.150	21.100	NE	68	91.3	159	20.6	290	57.6	173	20.9	1,900	50.4	51.6	<7.3	110	133	46.3	26.0	100	47.9	34.9	56.1	19.0
1-Methylnaphthalene	17.600	72,700	NE	<130	31.7	18.2J	26.5	<270	25.6	35.5	13.4 J	<550	28.1	20.6J	<9.6	<54	13J	19.3J	22.9	<50	13J	10.8J	20.2	9.7 J
2-Methylnaphthalene	239.000	3.010.000	NE	<110	45.2	23.3	37.7	<220	35.4	50	19.5	<460	29.5	27	10.5 J	<45	21	21.3	31.6	<42	18.9J	13.7J	28.6	12.0 J
Naphthalene	5,520	24,100	658.2	<130	28.8	36.9	24.5	<270	24.3	95.1	12.6 J	1,500	16.9J	20.0J	<9.6	<54	15J	16.3J	18.6 J	<50	15.1J	13.8J	19.7	<10.0
Phenanthrene	NE	NE	NE	140	137	819	84.8	680	101	607	43.3	9,200	82.7	164	<9.6	310	94	144	60.4	190	66.2	106	285	48.4
Pyrene	1,790,000	########	54,546	300	205	702	92.5	310	116	583	70.6	5,100	115	179	<9.6	420	287	171	68.7	280	96.2	119	311	73.5
Metals - in mg/kg or PPM	1																							
Arsenic	0.584	0.677	3	<4.0	NA	NA	NA	<1.7	NA	NA	NA	<1.7	NA	NA	NA	<1.7	NA	NA	NA	<1.6	NA	NA	NA	NA
Barium	164.8	15300	100000	58	NA	NA	NA	60	NA	NA	NA	100	NA	NA	NA	55	NA	NA	NA	67	NA	NA	NA	NA
Cadmium	752.0	71.1	985	0.7	NA	NA	NA	0.77	NA	NA	NA	0.94	NA	NA	NA	0.53	NA	NA	NA	0.67	NA	NA	NA	NA
Chromium	NS	100000	100000	22	NA	NA	NA	22	NA	NA	NA	24	NA	NA	NA	18	NA	NA	NA	22	NA	NA	NA	NA
Lead	27	400	800	20	NA	NA	NA	15	NA	NA	NA	26	NA	NA	NA	16	NA	NA	NA	16	NA	NA	NA	NA
Mercury	0.208	3.13	3.13	0.045	NA	NA	NA	0.063	NA	NA	NA	0.049	NA	NA	NA	0.054	NA	NA	NA	0.036	NA	NA	NA	NA
Selenium	0.52	391	5840	<5.7	NA	NA	NA	<4.7	NA	NA	NA	<4.9	NA	NA	NA	<4.8	NA	NA	NA	<4.5	NA	NA	NA	NA
Silver	0.8491	391	5840	<0.16	NA	NA	NA	<0.13	NA	NA	NA	<0.14	NA	NA	NA	<0.13	NA	NA	NA	<0.12	NA	NA	NA	NA
PCBs - in mg/kg or PPM <sup>1</sup>																								
PCB-1016	4.11	28	NE	<0.071	NA	NA	NA	<0.059	NA	NA	NA	<0.061	NA	NA	NA	<.06	NA	NA	NA	<0.056	NA	NA	NA	NA
PCB-1221	0.213	0.883	NE	<0.071	NA	NA	NA	<0.059	NA	NA	NA	<0.061	NA	NA	NA	<.06	NA	NA	NA	<0.056	NA	NA	NA	NA
PCB-1232	0.19	0.792	NE	<0.071	NA	NA	NA	<0.059	NA	NA	NA	<0.061	NA	NA	NA	<.06	NA	NA	NA	<0.056	NA	NA	NA	NA
PCB-1242	0.235	0.972	NE	<0.071	NA	NA	NA	<0.059	NA	NA	NA	<0.061	NA	NA	NA	<.06	NA	NA	NA	<0.056	NA	NA	NA	NA
PCB-1248	0.236	0.975	NE	<0.071	NA	NA	NA	<0.059	NA	NA	NA	<0.061	NA	NA	NA	<.06	NA	NA	NA	<0.056	NA	NA	NA	NA
PCB-1254	0.239	0.988	NE	<0.071	NA	NA	NA	<0.059	NA	NA	NA	<0.061	NA	NA	NA	<.06	NA	NA	NA	<0.056	NA	NA	NA	NA
PCB-1260	0.243	1	NE	<0.071	NA	NA	NA	<0.059	NA	NA	NA	<0.061	NA	NA	NA	<.06	NA	NA	NA	<0.056	NA	NA	NA	NA

NOTES:
Bold Concentrations exceed an established standard or suggested residual contamination level (RCL)

< means less than

NE = Standard is Not Established

NE = Standard is Not Established

Ug/kg = pbb or parts per billion

NA = NOT ANALYZED

NOTE ON SAMPLE ID'S: Previous Project Manager did not follow standard ID labeling protocol. All sample points with same NUMERIC value in sample ID were collected from approximately the same physical location on-site. (i.e. samples H-8, A-8, 8-RR, and 8 are from the same sample location)

NOTE on VOC: VOC's were analyzed by RMT in 2008. No detects were returned above laboratory LOD.

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### A.3. Residual Soil Contamination Table

No data. Analytical results of resampling of ALL original sample locations have returned NO detects exceeding the Non-Industrial Direct Contact 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.

### A.6. Water Level Elevations

Groundwater water was collected from one monitoring well (MW-1) once on 6/17/2011. Depth to water was not measured, and the well was abandoned shortly after returning negligible PAH results.

### A.7. Other

No Data. Regarding natural attenuation; Decrease in contaminants is evident in sample analytical results.

#### **TABLE OF CONTENTS**

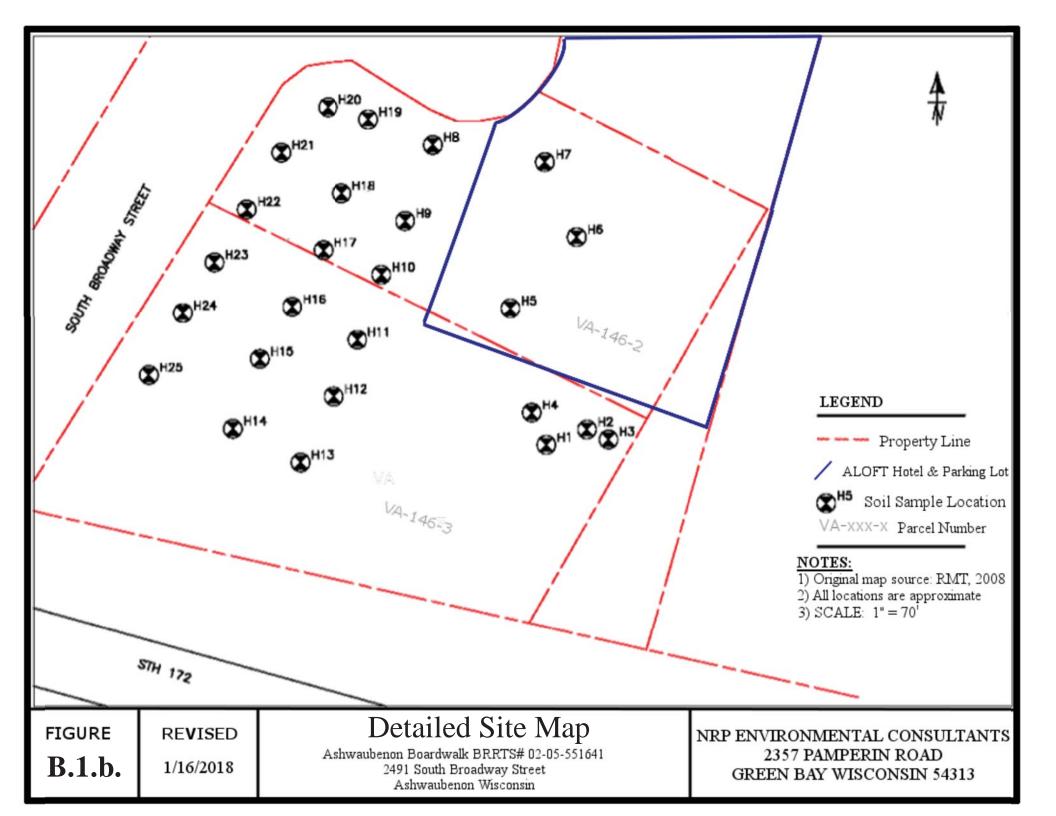
#### **ATTACHMENT B – Maps, Figures, and Photos:**

- **B.1. Location Maps** 
  - **B.1.a** Location Map
  - **B.1.b** Detailed Site Map
  - B.1.c RR Site Map
- **B.2. Soil Figures** 
  - **B.2.a Soil Contamination Maps**
  - **B.2.b Residual Soil Contamination Maps** No Attachment.
- **B.3. Groundwater Figures** 
  - **B.3.a Geologic Cross Section** No Attachment.
  - **B.3.b Groundwater Isoconcentration** No Attachment.
  - **B.3.c Groundwater Flow Direction Figures** No Attachment.
  - **B.3.d Monitoring Wells** No Attachment.
- **B.4. Vapor Maps and Other Media** 
  - **B.4.a Vapor Intrusion Map** No Attachment.
  - **B.4.b** Other Media of Concern No Attachment.
  - **B.4.c Other** No Attachment.
- **B.5. Structural Impediment Photos** No Attachment.

**B.1.a. Site Location Map** 



**B.1.b. Detailed Site Map** 



**B.1.c. RR Site Map** 



### **B.1.c. RR Sites Map**





#### Legend

- Open Site (ongoing cleanup)
- Closed Site (completed cleanup)

#### **Notes**

Circle represents approximate half mile radius from site.

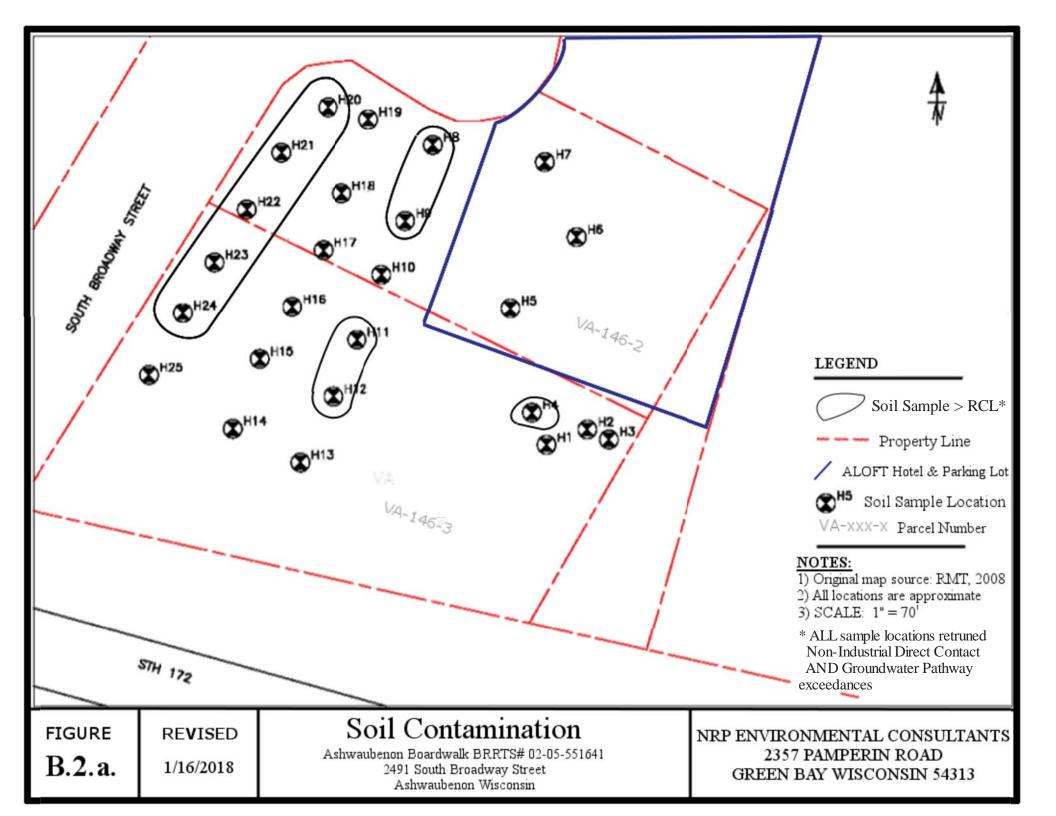
0.3 0 0.13 0.3 Miles

NAD\_1983\_HARN\_Wisconsin\_TM
© Latitude Geographics Group Ltd.

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

Note: Not all sites are mapped.

### **B.2.a. Soil Contamination Map**



#### **B.2.b.** Residual Soil Contamination

No Attachment. Analytical soil sample results from ALL sample locations fall below NR 720 non-industrial direct contact standards. There is NO residual soil contamination. The site should be closed with NO continuing obligations.

#### **B.3.a. Geologic Cross-Section Figure**

No Data. Geologic Cross-Sections were not generated for this investigation. Soil samples were generally collected from 0-1 foot below ground surface. Bedrock was not encountered.

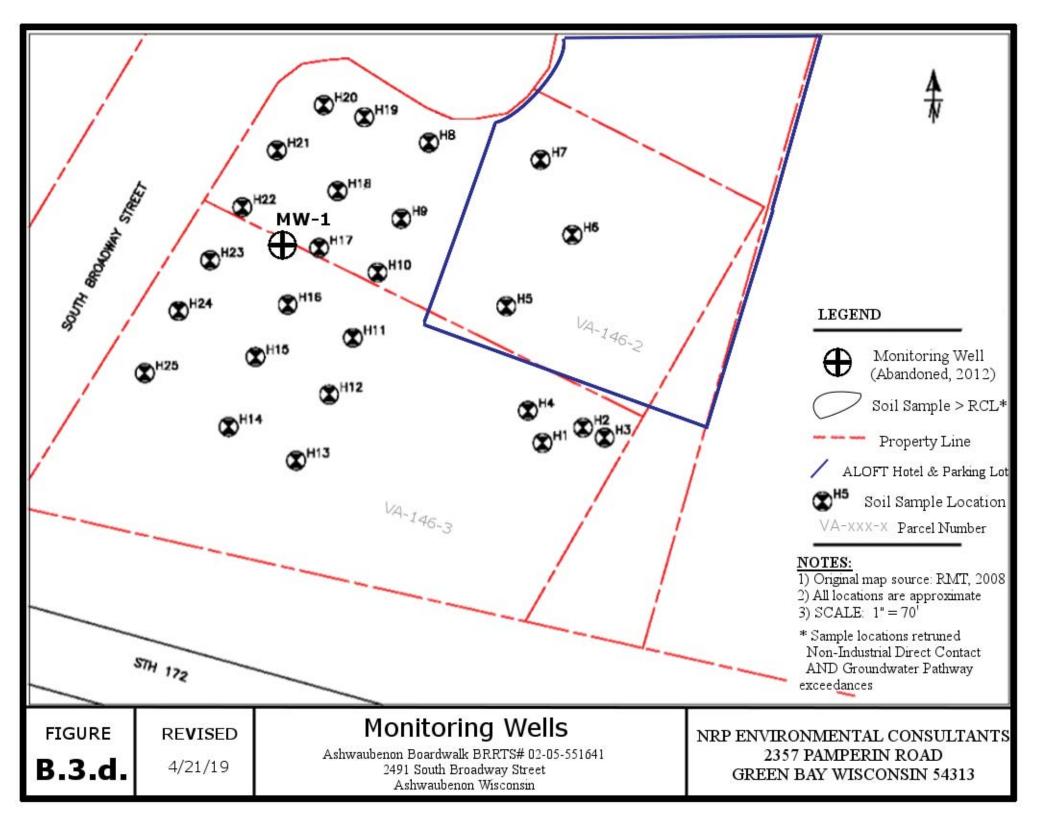
#### B.3.b. Groundwater Isoconcentration

No Attachment. There are **NO** NR140 PAL or ES exceedances at the site.

### **B.3.c.** Groundwater Flow Direction Figure

No Data. Only one groundwater monitoring well was installed at the site.

Groundwater would flow toward the Fox River.



### **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.

B.4.c. Other

No Data.

### **B.5. Structural Impediment Photos**

No Data. There are no impediments to site investigation.

#### **TABLE OF CONTENTS**

#### **ATTACHMENT C – Documentation of Remedial Action:**

- **C.1. Site Investigation Documentation -** No Attachment, documents previously submitted.
- **C.2. Investigative Waste Documentation** No Attachment.
- **C.3. Description of Methodology** No Attachment.
- **C.4. Construction Documentation** No Attachment.
- **C.5. Decommissioning of Remedial System:** No Attachment.
- **C.6. Other:** No Attachment.

### **C.1. Site Investigation Documentation**

No Data. All Documentation has been submitted previously.

#### **C.2. Investigative Waste**

No Data. Soil samples were collected from 0-1 foot below ground surface. Unused sampling soil was left on site to be remediated through natural attenuation and 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 previously.

### C.5. Decommissioning of Remedial Systems

No Data. There is no remedial system in place to decomission.

C.6. Other

No Data.

#### **TABLE OF CONTENTS**

#### **ATTACHMENT D – Maintenance Plans and Photographs:**

- **D.1. Maintenance Actions -** No Attachment, property does not require maintenance action
- **D.2. Location Map -** No Attachment
- **D.3. Photographs No Attachment**
- **D.4. Inspection Logs -** No Attachment

#### **D.1. Description of Maintenance Actions**

The affected property does not require maintenance action. The only potential residual contamination exceeding the most restrictive RCL is for minor detects of Benzo(a)pyrene and Chrysene returned from the 2016 sampling. Phytoremediation and natural attenuation has proven to be effective in degrading PAH compounds of concern.

Adjoining off-source properties do not require any maintenance action.

### D.2. Location Map

No Data. The site will not require any maintenance features.

### D.3. Photographs

No Data.

### **D.4. Inspection log**

No Attachment. The site does not require a maintenance plan.

### **E. Monitoring Well Information**

The monitoring well MW-1, was installed on 6/1/2011. The DNR recommended abandonment on 5/11/2012. The well was subsequently abandoned.

#### **TABLE OF CONTENTS**

#### <u>ATTACHMENT F – Source Legal Documents:</u>

- F.1. Deed
- F.2. Certified Survey Map
- F.3. Verification of Zoning
- F.4. Signed Statement

F.1. Deed

#### CONDOMINIUM DEED

THIS DEED, made between Ashwaubenon Boardwalk, LLC, a Wisconsin limited liability company, Grantor, and Scott R. Smet and Chad L. Smet, as tenants in common, Grantee, for good and 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"):

#### Parcel I:

Unit 1, Ashwaubenon Boardwalk Office Park Condominiums 1st Addendum, in the Village of Ashwaubenon, Brown County, Wisconsin, together with said unit's undivided interest in the common elements and limited common elements appurtenant to said unit, all in Ashwaubenon Boardwalk Office Park Condominiums, recorded in Volume 50 of Condominium Plats on Page 122 (and any addendums thereto), created and existing under and by virtue of the Condominium Ownership Act of the State of Wisconsin and by Declaration of Condominium for Ashwaubenon Boardwalk Office Park Condominiums dated April 15, 2008 and recorded April 25, 2008 as Document No. 2365324 and by a Condominium Plat therefore, and any amendments thereto.

#### Parcel II:

Unit 3, Ashwaubenon Boardwalk Office Park Condominiums 1st Addendum, in the Village of Ashwaubenon, Brown County, Wisconsin, together with said unit's undivided interest in the common

elements and limited common elements appurtenant to said unit, all in Ashwaubenon Boardwalk Office Park Condominiums, recorded in Volume 50 of Condominium Plats on Page 122, (and any addendums thereto) created and existing under and by virtue of the Condominium Ownership Act of the State of Wisconsin and by Declaration of Condominium for Ashwaubenon Boardwalk Office Park Condominiums dated April 15, 2008 and recorded April 25, 2008 as Document No. 2365324 and by a Condominium Plat therefore, and any amendments thereto.

Grantor warrants that the title is good, indefeasible in fee simple and free and clear of encumbrances, except terms, provisions, conditions and restrictions contained in the Condominium Ownership Act for the State of Wisconsin, as well as in any of the "Condominium Documents" (consisting of the Declaration and Condominium Plat, the Bylaws, and Articles of Incorporation of the Condominium Association, any Rules or Regulations adopted pursuant to the Declaration or Bylaws), and all amendments to any of those Condominium Documents, except municipal and zoning ordinances and agreements entered under them, recorded easements for the distribution of utility and municipal services, recorded building and use restrictions and covenants, and general taxes levied in the year of closing.

Grantee, by acceptance of this Deed, agrees and binds Grantee and Grantee's heirs, representatives, successors and hereto.

	Condominium Documents and all amendments thereto			
ASHWAUBENON BOARDWALK, LLC  By: Scott R. Smet, Member	By: Chad L. Smet, Member			
AUTHENTICATION	ACKNOWLEDGMENT			
Signature of Scott R. Smet and Chad L. Smet authenticated this day of, 2010.	STATE OF WISCONSIN: : SS. COUNTY OF BROWN:			
TITLE: MEMBER STATE BAR OF WISCONSIN (If not, authorized by \$706.06, Wis. Stats.)	Personally came before me this 5th day of November , 2010, the above-named Scott R. Smet and Chad L. Smet, to me known to be the persons who executed the foregoing instrument and acknowledged the same.			
THIS INSTRUMENT WAS DRAFTED BY: Attorney David P. Dewick Hager, Dewick & Zuengler, S.C. Per Legal Description Provided	And King Notary Public, State of Wisconsin My Commission: 4-14-13			

2501277 **CATHY WILLIQUETTE BROWN COUNTY RECORDER** GREEN BAY, WI RECORDED ON 11/16/2010 4:10 PM **REC FEE: 30.00 EXEMPT # 77.25 (15s** 

PAGES: 1

RETURN TO:

VA-1373

Attorney David P. Dewick

Green Bay, WI 54301

Hager, Dewick & Zuengler, S.C.

Parcel Identification Number

This is not homestead property.

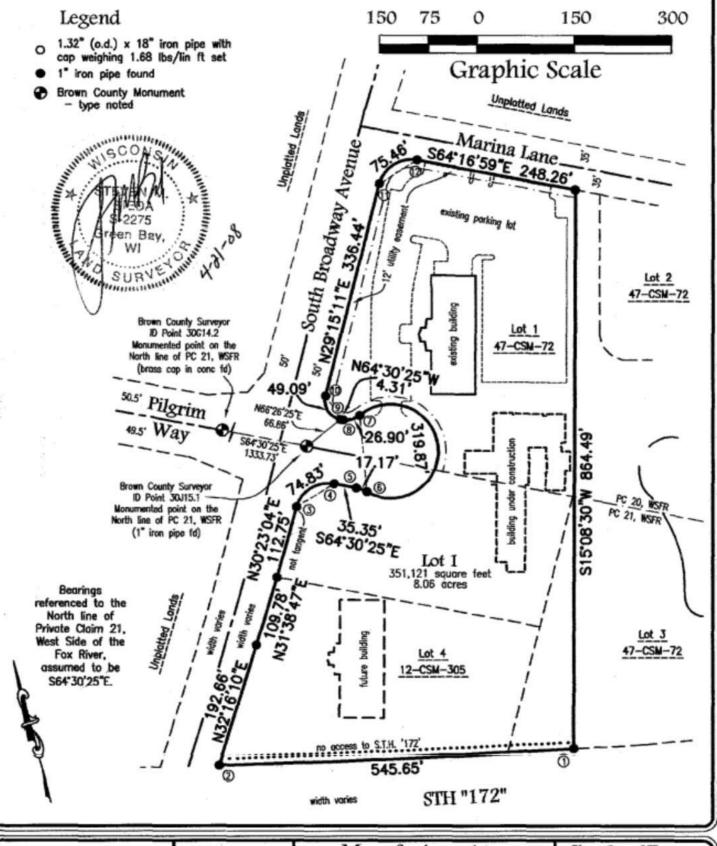
200 South Washington Street, Suite 401

OF WISCO

F.2. Certified Survey Map

Certified Survey Map

A combination and depiction of the land boundaries recorded as Lot 1, Volume 47, Certified Survey Maps, page 72, Map Number 6970, Document Number 2087153, Brown County Records and Document Number 2196328, Brown County Records except Lot 2, Volume 12, Certified Survey Maps, page 305, Map Number 2619, Document Number 1012385, Brown County Records, being all of Lot 1, Volume 47, Certified Survey Maps, page 72, Map Number 6970, Brown County Records, said Lot being in part of Private Claim 20, West Side of the Fox River; all of Lot 4, Volume 12, Certified Survey Maps, page 305, Map Number 2619, Brown County Records, said Lot being in part of Private Claim 21, West Side of the Fox River; and also part of said Private Claim 21, all being in the Village of Ashwaubenon, Brown County, Wisconsin into a single parcel and description, more fully described on sheet 2:



Client: Ashwaubenon Boardwalk, I.I.C Drafted By: BAR File: A-20302CSM 012208.dwg

Scale: 1"=150'

Tax Parcel Number
VA-133, VA-146-2, VA-146-3

—Mau & Associates → 
LAND SURVEYING & PLANNING

CIVIL & WATER RESOURCE ENGINEERING
Phane, 920-434-9670 Faz; 920-434-9672

Sheet One of Three Project No.: A-20302 Drawing No.: L-7221

#### SURVEYOR'S CERTIFICATE

I, Steven M. Bieda, Registered Land Surveyor, do hereby certify that this Certified Survey Map is not a division of property but solely a combination and depiction of the land boundaries recorded as Lat 1, Volume 47, Certified Survey Maps, page 72, Map Number 6970, Document Number 2087153, Brown County Records except Lat 2, Volume 12, Certified Survey Maps, page 305, Map Number 2619, Document Number 1012385, Brown County Records, being all of Lat 1, Volume 47, Certified Survey Maps, page 72, Map Number 6970, Brown County Records, said Lat being in part of Private Claim 20, West Side of the Fax River; all of Lat 4, Volume 12, Certified Survey Maps, page 305, Map Number 2619, Brown County Records, said Lat being in part of Private Claim 21, West Side of the Fax River; and also part of said Private Claim 21, all being in the Village of Ashwaybenon, Brown County, Wisconsin into a single parcel and description, more fully described as follows:

Commencing at the Brown County Surveyor's Traverse Point ID# 30J15.1 (monumented point of the North line of Private Claim 21, West Side of the Fox River); thence N66'26'25"E, 66.86 feet to the point of beginning; thence 49.09 feet along the arc of a 30.00 foot radius curve to the right whose long chard bears N17'37'37"W, 43.80 feet; thence N29'15'11"E, 336.44 feet along the Easterly right of way of South Broadway Avenue; thence 75.46 feet along the arc of a 50.00 foot radius curve to the right whose long chard bears N72'29'06"E, 68.50 feet; thence S64'16'59"E, 248.26 feet along the Southerly right of way of Marine Lane; thence S15'08'30"W, 864.49 feet along the East line of Lot 1, Volume 47, Certified Survey Maps, page 72, Brown County Records to the Northerly right of way of State Trunk Highway "172"; thence 545.65 feet along said right of way being the arc of a 22,738.31 foot radius curve to the right whose long chard bears N77'27'01"W, 545.64 feet; thence N32'16'10"E, 192.66 feet along said Easterly right of way of Sauth Broadway Avenue; thence N31'38'47"E, 109.78 feet along said right of way; thence N30'23'04"E, 112.75 feet along said right of way; thence 74.83 feet along the arc of a 50.00 foot radius curve to the right whose long chard bears N72'37'09"E, 68.04 feet; thence S64'30'25"E, 35.35 feet along the Southerly right of way of Pilgrim Way; therce 17.17 feet along the arc of a 50.00 foot radius curve to the right whose long chard bears N93'38'35"E, 118.82 feet; thence 26.90 feet along the arc of a 30.00 foot radius curve to the left whose long chard bears N09'38'35"E, 118.82 feet; thence 26.90 feet along the arc of a 30.00 foot radius curve to the right whose long chard bears N09'38'35"E, 118.82 feet; thence 26.90 feet along the Northerly right of way of said Pilgrim Way to the point of beginning.

Parcel contains 351,121 square feet / 8.06 acres, more or less. Parcel subject to easements and restrictions of record.

That such plat is a correct representation of all the exterior boundaries of the land survey. That I have made such a survey, and plat by the direction of the owners listed hereon. That I have fully complied with the provisions of Chapter 236, section 236.34 of the Wisconsin Statutes and the Brown County Planning Commission in surveying, combining, and mapping the same.

////

Steven M. Bieda Jenuary 29, 2008

Revised: April 21, 2008

Curve Data

Curve No.	Arc Length		,			***************************************	
		Rodius	Chord Length	Chord Bearing	Central Angle	Tangent Bearing	
1-2	545.65	22738.31	545.64	N77"27"01"W	01"22"30"	S78'08'16"E & N76'45'46"W	
3-4	74.83	50.00	68.04	N72'37'09"E	85'44'52"	S29'44'43"W	
5-6	17.17	50.00	17.09	S54'40'01"E	19'40'48"	S44*49'37"E	
6-7	319.87	73.00	118.82	N09"38"35"E	251"03"38"	S64'06'45"W	
7-8	26.90	30.00	26.01	S89"48'10"W	51"22"50"	N64'06'45"E	
9-10	49.09	30.00	43.80	N1737'37'W	93"45"36"		
44 40	76.40	E0.00	60.50	N72200'065C	Det07'50"	1	

#### BROWN COUNTY PLANNING COMMISSION

Approved for the Brown County Plan Commission this 215T day of APPIL 2008

SEL

Jon Motquin Senior Planner

> Sheet Two of Three Project No.: A-20302

Drawing No.: L-7221

VOL 53 PAGE 334

### 2364462 OWNER'S CERTIFICATE

Ashwaubenon Boardwalk, LLC, a corporation duly organized and existing under and by virtue of the laws of the State of Wisconsin, does hereby certify that said corporation caused the land described on this Certified Survey Map to be surveyed and mapped as represented hereon. Ashwaubenon Boardwalk, LLC also certifies that this Certified Survey Map is required to be submitted to the Brown County Planning Commission for approval or objection in accordance with the current Land Subdivision Ordinances.

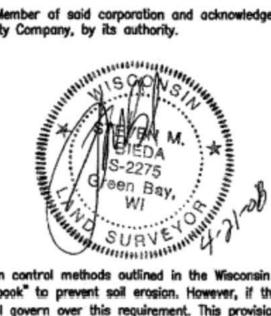
In Witness Whereof, the said Ashwaubenon Boardwalk, LLC has caused these presents to be signed by Town Local its Me. Mer. on this 215 day of April., 2000

Ashwaubenon Boardwalk, LLC

Personally came before me this 2115 day of April 2000 the above named Member of said corporation and acknowledged that he executed the foregoing instrument as such Member as the deed of said Limited Liability Company, by its authority.

Now Eyes (Parties)
Blown Chart (Parties)
STATE OF MISSIONSIN

My Commission Expires 09-08



1) The property owner, at the time of construction, shall implement the appropriate soil erosion control methods outlined in the Wisconsin Department of Natural Resources, "Wisconsin Construction Site Best Management Practice Handbook" to prevent soil erosion. However, if the Village/Town, at the time of construction, has adopted a soil erosion control ordinance, it shall govern over this requirement. This provision applies to any construction or installation related activities associated with streets and utilities.

#### 2) HIGHWAY SETBACK NOTE

No improvements or structures are allowed between the right of way line and the highway setback line. Improvements and structures include, but are not limited to signs, parking areas, driveways, wells, septic systems, drainage facilities, buildings and retaining walls. It is expressly intended that this restriction is for the benefit of the public as provided in section 236.293, Wisconsin Statutes, and shall be enforceable by the Department of Transportation or its assigns. Contact the Wisconsin Department of Transportation District Office for more information. The phone number may be obtained by contacting your County Highway Department.

#### 3) ACCESS RESTRICTION

As Owner, we hereby restrict all lots and blocks so that no owner, posessor, user, licensee, or other person may have any right of direct vehicular ingress from ar egress to any highway lying within the right of way of STH 172, as shown on the land division map. It is expressly intended that this restriction constitue a restriction for the benefit of the public as provided in S.236.293, Wisconsin Statutes and shall be enforceable by the department or its assigns.

- Village of Ashwarbard

  4) A land use permit from the Brown County Zoning Administrator's office is required prior to any construction, fill, or grading activity within 300 feet of the Fox River.
- 5) The lots of this land division may experience noise at levels exceeding the levels in S. Trans 405.04 Table I. These levels are based on federal standards. The department of transportation is not responsible for aboling noise from existing state trunk highways or connecting highways, in the absence of any increase by the department to the highway's through—lane capacity.
- 6) A Brown County Highway Department access permit must be obtained prior to any construction of a new street / road connection or driveway to a County Trunk Highway.
- 7) At the time Lots 1 & 2 of 12-CSM-305 are purchased or an improvement project on STH 172 requires additional right-of-way, the 40' Ingress Easement on the North Right-of-Way of STH 172 shall be vacated

#### RESTRICTIVE COVENANTS (per 47-CSN-72)

- The land on all side and rear lot lines of all lots shall be graded by the property owner and maintained by the abutting property owners to provide for adequate drainage of surface water.
- Each lot owner shall grade the property to conform to the adopted sidewalk grade elevation and maintain said elevation for future sidewalks.
- 3) No poles, pedestals or buried cable are to be placed so as to disturb any survey stake or obstruct vision along any lot lines or street line, a disturbance of a survey stake by anyone is a violation of section 236.32 of the Wisconsin Statutes.
- 4) Parcel is subject to a Cap Maintenance Plan and recorded Soil Deed Restriction.

Office of the Register of Deeds
Brown County, Wisconsin

Received for Record ADVI 21, 2008,

at 3:56 o'clock P M and recorded as

Document # 2364462 In

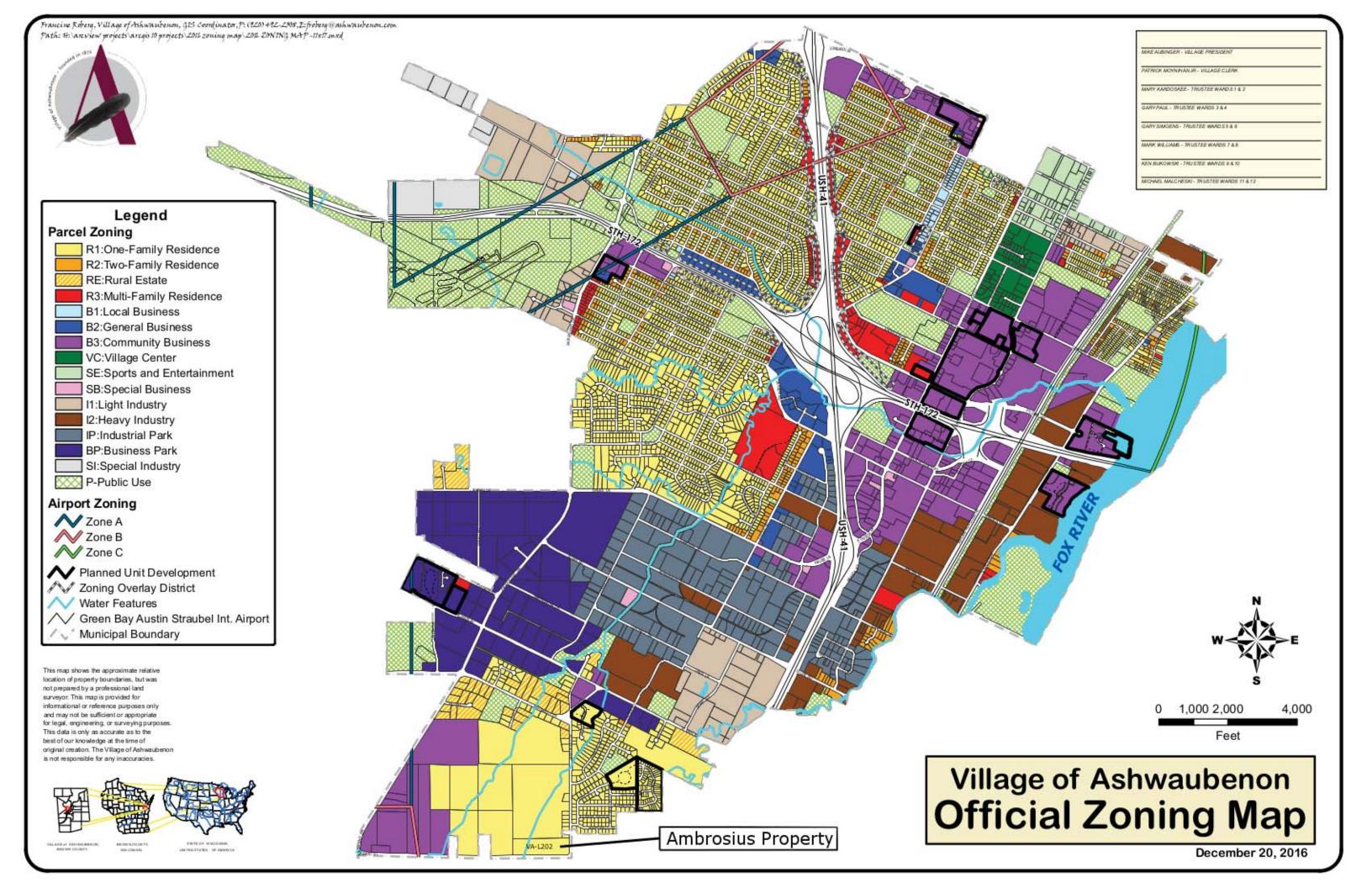
Volume 63 of CSM3 on Page 333

Cathy Williquette, Register of Deeds

Sheet Three of Three Project No.: A-20302 Drawing No.: L-7221

### F.3. Verification of Zoning

Official Zoning Maps from the Village of Ashwaubenon



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,

hay he has to

#### <u>ATTACHMENT G – Notifications to Owners of Affected Properties:</u>

NO NOTIFICATION REQUIRED. The site will be closed with NO continuing obligations. CO notifications will not be required.