



January 11, 2018

Mr. Steven Bartz
301 S Zachow St
Cecil, WI 54111

KEEP THIS DOCUMENT WITH YOUR PROPERTY RECORDS

SUBJECT: Final Case Closure with Continuing Obligations
Wegner Property, 301 Zachow St, Cecil, WI 54111
DNR BRRTS Activity #: 03-59-252763

Dear Mr. Bartz

The Department of Natural Resources (DNR) considers the Wegner Property closed, with continuing obligations. No further investigation or remediation is required at this time. However, you, future property owners, and occupants of the property must comply with the continuing obligations as explained in the conditions of closure in this letter. Please read over this letter closely to ensure that you comply with all conditions and other on-going requirements. Provide this letter and any attachments listed at the end of this letter to anyone who purchases, rents or leases this property from you. For residential property transactions, you may be required to make disclosures under s. 709.02, Wis. Stats.

This final closure decision is based on the correspondence and data provided, and is issued under chs. NR 726 and 727, Wis. Adm. Code. The DNR Northeast Region (NER) Regional Closure Committee reviewed the request for closure on October 13, 2017. The DNR Closure Committee reviewed this environmental remediation case for compliance with state laws and standards to maintain consistency in the closure of these cases. A request for remaining actions needed was issued by the DNR on November 29, 2017, and documentation that the remaining actions in that letter were met was received on December 6, 2017.

This residential property was formerly a masonry business which provided fuel for its fleet vehicles from a 300 gallon underground storage tank (UST) and dispenser. A release of petroleum from the UST was documented when it was removed in 2000. Impacted soil and groundwater was identified adjacent to the former UST. No off-site impacts were verified and groundwater monitoring indicate that the concentrations of petroleum compounds are stable or decreasing. It is expected that the dissolved concentrations will continue to decrease due to natural attenuation. The residual soil is being addressed by the maintenance of a protective cap. The conditions of closure and continuing obligations required were based on the property being used for residential purposes.

Continuing Obligations

The continuing obligations for this site are summarized below. Further details on actions required are found in the section Closure Conditions.

- Groundwater contamination is present at or above ch. NR 140, Wis. Adm. Code enforcement standards.
- Residual soil contamination exists that must be properly managed should it be excavated or removed.
- Pavement must be maintained over contaminated soil and the DNR must be notified and approve any changes to this barrier.
- Remaining contamination could result in vapor intrusion if future construction activities occur. Future construction includes expansion or partial removal of current buildings as well as construction of new buildings. Vapor control technologies will be required for occupied buildings, unless the property owner assesses the potential for vapor intrusion, and the DNR agrees that vapor control technologies are not needed.

The DNR fact sheet “Continuing Obligations for Environmental Protection,” RR-819, helps to explain a property owner’s responsibility for continuing obligations on their property. The fact sheet may be obtained at <http://dnr.wi.gov/files/PDF/pubs/rr/RR819.pdf>.

GIS Registry

This site will be included on the Bureau for Remediation and Redevelopment Tracking System (BRRTS on the Web) at <http://dnr.wi.gov/topic/Brownfields/wrrd.html>, to provide public notice of residual contamination and of any continuing obligations. The site can also be viewed on the Remediation and Redevelopment Sites Map (RRSM), a map view, under the Geographic Information System (GIS) Registry layer, at the same web address.

DNR approval prior to well construction or reconstruction is required for all sites shown on the GIS Registry, in accordance with s. NR 812.09 (4) (w), Wis. Adm. Code. This requirement applies to private drinking water wells and high capacity wells. To obtain approval, complete and submit Form 3300-254 to the DNR Drinking and Groundwater program’s regional water supply specialist. This form can be obtained on-line at <http://dnr.wi.gov/topic/wells/documents/3300254.pdf>.

All site information is also on file at the NER Regional DNR office, at 2984 Shawano Avenue, Green Bay WI 54313-6727. This letter and information that was submitted with your closure request application, including any maintenance plan and maps, can be found as a Portable Document Format (PDF) in BRRTS on the Web.

Prohibited Activities

Certain activities are prohibited at closed sites because maintenance of a barrier is intended to prevent contact with any remaining contamination. When a barrier is required, the condition of closure requires notification of the DNR before making a change, in order to determine if further action is needed to maintain the protectiveness of the remedy employed.

The following activities are prohibited on any portion of the property where pavement is required, as shown on the attached map, Location Map, Figure D.2., 8/4/17, unless prior written approval has been obtained from the DNR:

- removal of the existing barrier or cover;
- replacement with another barrier or cover;
- excavating or grading of the land surface;
- filling on covered or paved areas;
- plowing for agricultural cultivation; and/or
- construction or placement of a building or other structure.

Closure Conditions

Compliance with the requirements of this letter is a responsibility to which you and any subsequent property owners must adhere. DNR staff will conduct periodic prearranged inspections to ensure that the conditions included in this letter and the attached maintenance plan are met. If these requirements are not followed, the DNR may take enforcement action under s. 292.11, Wis. Stats. to ensure compliance with the specified requirements, limitations or other conditions related to the property.

Please send written notifications in accordance with the following requirements to:

Department of Natural Resources
Attn: Remediation and Redevelopment Program Environmental Program Associate
2984 Shawano Ave.
Green Bay, WI 54313

Residual Groundwater Contamination (ch. NR 140, 812, Wis. Adm. Code)

Groundwater contamination greater than enforcement standards is present on this contaminated property, near the northeast corner of the garage and under the pavement as shown on the attached map, Figure B.3.b., Groundwater Isoconcentration, 8/4/17. If you intend to construct a new well, or reconstruct an existing well, you'll need prior DNR approval.

Residual Soil Contamination (ch. NR 718, chs. 500 to 536, Wis. Adm. Code or ch. 289, Wis. Stats.)

Soil contamination remains near the northeast corner of the garage and under the pavement as shown on the attached map, Soil Contamination, Figure B.2.a., 8/4/17. If soil in the specific locations described above is excavated in the future, the property owner at the time of excavation must sample and analyze the excavated soil to determine if contamination remains. If sampling confirms that contamination is present, the property owner at the time of excavation will need to determine whether the material is considered solid or hazardous waste and ensure that any storage, treatment or disposal is in compliance with applicable standards and rules. Contaminated soil may be managed in accordance with ch. NR 718, Wis. Adm. Code, with prior DNR approval.

In addition, all current and future owners and occupants of the property need to be aware that excavation of the contaminated soil may pose an inhalation or other direct contact hazard and as a result special precautions may need to be taken to prevent a direct contact health threat to humans.

Cover or Barrier (s. 292.12 (2) (a), Wis. Stats., s. NR 726.15, s. NR 727.07 Wis. Adm. Code)

The northeast corner of the garage building and the pavement that exists in the location shown on the attached map, Location Map, Figure D.2., 8/4/17, shall be maintained in compliance with the attached maintenance plan, Cover or Barrier Maintenance Plan, 8/9/17, in order to minimize the infiltration of water and prevent additional groundwater contamination that would violate the groundwater quality standards in ch. NR 140, Wis. Adm. Code.

A request may be made to modify or replace a cover or barrier. Before removing or replacing the cover, you must notify the DNR at least 45 days before taking an action. The replacement or modified cover or barrier must be protective of the revised use of the property, and must be approved in writing by the DNR prior to implementation. A cover or barrier for industrial land uses, or certain types of commercial land uses may not be protective if the use of the property were to change such that a residential exposure would apply. This may include, but is not limited to single or multiple family residences, a school, day care, senior center, hospital or similar settings. In addition, a cover or barrier for multi-family residential housing use may not be appropriate for use at a single-family residence.

The attached maintenance plan and inspection log (DNR form 4400-305) is to be kept up-to-date and on-site. Inspections shall be conducted annually, in accordance with the attached maintenance plan. Submit the inspection log to the DNR only upon request.

Vapor Mitigation or Evaluation (s. 292.12 (2), Wis. Stats., s. NR 726.15, s. NR 727.07, Wis. Adm. Code)

Vapor intrusion is the movement of vapors coming from volatile chemicals in the soil or groundwater, into buildings where people may breathe air contaminated by the vapors. Vapor mitigation systems are used to interrupt the pathway, thereby reducing or preventing vapors from moving into the building.

Future Concern: Petroleum volatile organic compounds remain in soil and groundwater near the northeast corner of the garage and the underneath the driveway, as shown on the attached maps, Soil Contamination, Figure B.2.a., 8/4/17 and Groundwater Isoconcentration, Figure B.3.b., 8/4/17. Concentrations in soil and groundwater remain at levels that may be of concern for vapor intrusion in the future, depending on construction and occupancy of a building. At the time of closure, a single-family residence with detached garage was present at this property. Therefore, before a new building is constructed and/or an existing building is modified, the property owner must notify the DNR at least 45 days before the change. Vapor control technologies are required for construction of occupied buildings unless the property owner assesses the vapor pathway and DNR agrees that vapor control technologies are not needed.

Other Closure Information

General Wastewater Permits for Construction Related Dewatering Activities

The DNR's Water Quality Program regulates point source discharges of contaminated water, including discharges to surface waters, storm sewers, pits, or to the ground surface. This includes discharges from construction related dewatering activities, including utility and building construction.

If you or any other person plan to conduct such activities, you or that person must contact that program, and if necessary, apply for the necessary discharge permit. Additional information regarding discharge permits is available at <http://dnr.wi.gov/topic/wastewater/GeneralPermits.html>. If residual soil or groundwater contamination is likely to affect water collected in a pit/trench that requires dewatering, a

general permit for Discharge of Contaminated Groundwater from Remedial Action Operations may be needed. If water collecting in a pit/trench that requires dewatering is expected to be free of pollutants other than suspended solids and oil and grease, a general permit for Pit/Trench Dewatering may be needed.

PECFA Reimbursement

Section 101.143, Wis. Stats., requires that Petroleum Environmental Cleanup Fund Award (PECFA) claimants seeking reimbursement of interest costs, for sites with petroleum contamination, submit a final reimbursement claim within 120 days after they receive a closure letter on their site. For claims not received within 120 days of the date of this letter, interest costs after 60 days of the date of this letter will not be eligible for PECFA reimbursement. If there is equipment purchased with PECFA funds remaining at the site, contact the DNR Project Manager to determine the method for salvaging the equipment.

Per Wisconsin Act 55 (2015 State budget), a claim for PECFA reimbursement must be submitted within 180 days of incurring costs (i.e., completing a task). If your final PECFA claim is not submitted within 180 days of incurring the costs, the costs will not be eligible for PECFA reimbursement.

In Closing

Please be aware that the case may be reopened pursuant to s. NR 727.13, Wis. Adm. Code, for any of the following situations:

- 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,
- if the property owner does not comply with the conditions of closure, or
- a property owner fails to maintain or comply with a continuing obligation (imposed under this closure approval letter).

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 Elizabeth Victor at 920-303-5424, or at elizabeth.victor@wisconsin.gov.

Sincerely,



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

Attachments:

- Groundwater Isoconcentration, Figure B.3.b., 8/4/2017
- Soil Contamination, Figure B.2.a., 8/4/2017
- Cover or Barrier Maintenance Plan
 - o D.1 Cover Barrier Maintenance Plan, 8/9/17
 - o D.2 Location Map, 8/4/2017
 - o D.3 Photograph, 11/28/17
 - o Continuing Obligations Inspection and Maintenance Log, form 4400-305



2280-B SALSCHIEDER COURT, GREEN BAY, WI 54313

E. JAMES STREET

PIN: 111501000290

GRASS



HOUSE
301 S. ZACHOW ST.

CONCRETE

GARAGE














GRASS

GRASS

ZACHOW STREET

9/30/14
FLOW

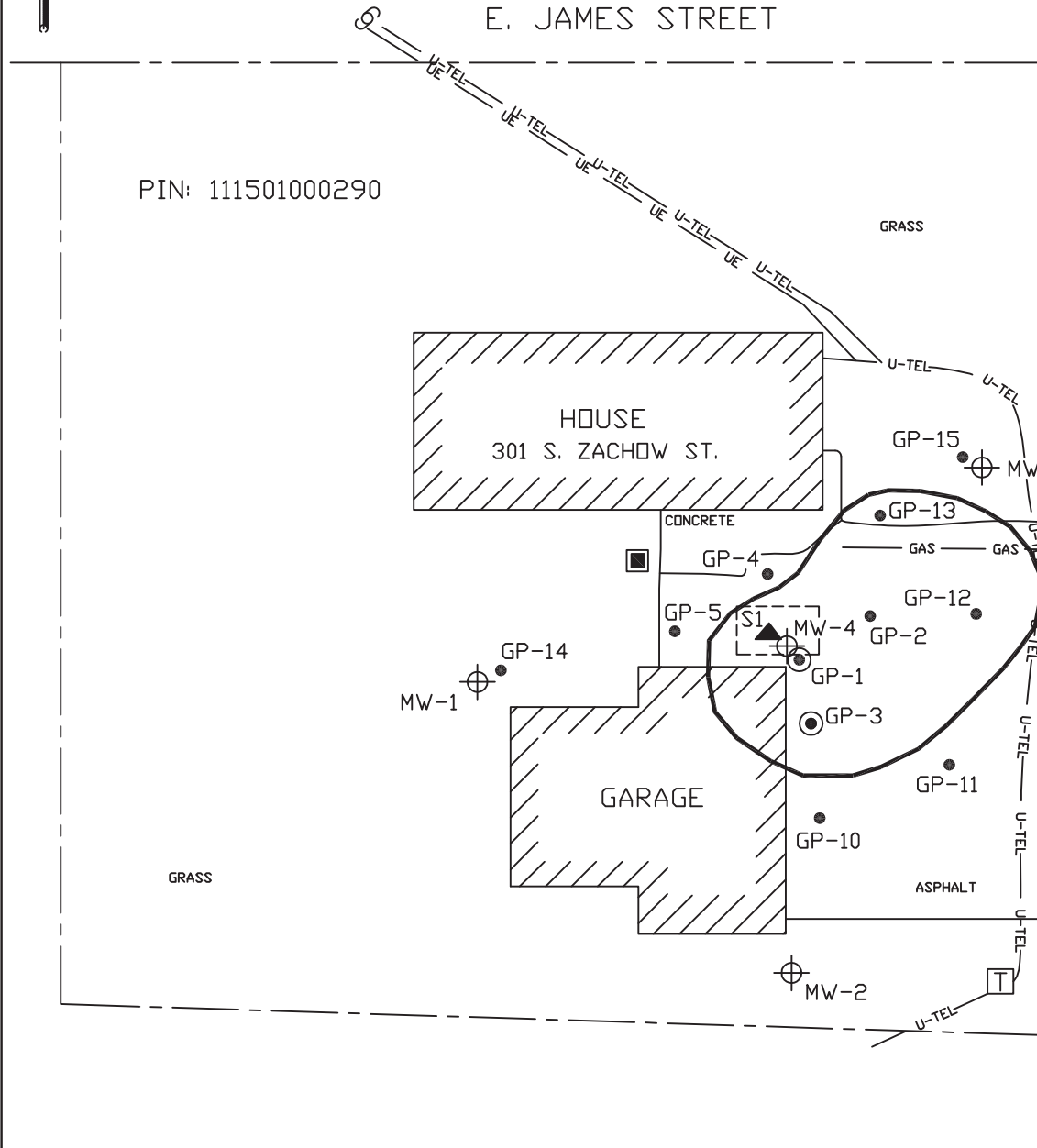
LEGEND

-  SITE ASSESSMENT
- APPROXIMATE PROPERTY LINE
-  GEOPROBE
-  SOIL BORING
-  GEOPROBE W/TEMP WELL
-  POTABLE WELL
-  FORMER UST BASIN
-  MONITORING WELL
-  EXTENT OF GROUNDWATER CONTAMINATION EXCEEDING NR 140 ESs
-  UNDERGROUND ELECTRIC
-  UNDERGROUND TELEPHONE
-  UNDERGROUND GAS
-  SANITARY SEWER
-  EXTENT OF GROUNDWATER CONTAMINATION EXCEEDING NR 140 PALS

NOTE: ALL MONITORING WELLS HAVE BEEN LOCATED AND WILL BE ABANDONED AT POINT OF CLOSURE.

FIGURE B.3.b
GROUNDWATER ISOCONCENTRATION
WEGNER PROPERTY (FORMER)
CECIL, WISCONSIN

SCALE	SHEET NO.	DWG NO.	DATE	SIZE	DRWN BY	FILE	REVISED	APP'D
1' = 30'	1 OF 1	P101397.40.B.3.b	8/4/17	A	320	320	11/17	SVD



LEGEND













-  SITE ASSESSMENT SOIL SAMPLE (S1)
-  APPROXIMATE PROPERTY LINE
-  GEOPROBE SOIL BORING
-  GEOPROBE W/TEMP WELL
-  POTABLE WELL
-  FORMER UST BASIN
-  MONITORING WELL
-  EXTENT OF SOIL CONTAMINATION EXCEEDING SOIL TO GROUNDWATER PATHWAY RCLs
-  UNDERGROUND ELECTRIC
-  UNDERGROUND TELEPHONE
-  UNDERGROUND GAS
-  SANITARY SEWER

FIGURE B.2.a
 SOIL CONTAMINATION
 WEGNER PROPERTY (FORMER)
 CECIL, WISCONSIN

SCALE	SHEET NO.	DWG NO.	DATE	SIZE	DRWN BY	FILE	REVISED	DATE
1" = 30'	1 OF 1	P101397.40.B.2.a	8/4/17	A	SVD	320		

COVER or BARRIER MAINTENANCE PLAN
(to be included in Form 4400-202, as Attachment D)

August 9, 2017

Property Located at:

301 S Zachow Street
Cecil, WI 54111

DNR BRRTS # 03-59-252763
DNR FID # 459033190

VIL OF CECIL FREBORNS 2ND ADD LOTS 1-2 & 3 BLK 3 SEC 20 T27N R17E
PIN: 111501000290

Introduction

This document is the Maintenance Plan for a concrete/asphalt cap at the above-referenced property in accordance with the requirements of s. NR 724.13 (2), Wis. Adm. Code. The maintenance activities relate to the existing concrete/asphalt which addresses or occupies the area over the contaminated soil and groundwater plume. Note: the garage floor is constructed of concrete.

More site-specific information about this property/site may be found in:

- The case file in the DNR NER office
- At <http://dnr.wi.gov/topic/Brownfields/wrrd.html>, which includes:
 - BRRTS on the Web (DNR's internet based data base of contaminated sites)for the link to a PDF for site-specific information at the time of closure and on continuing obligations;
 - RR Sites Map for a map view of the site, and
- The DNR project manager for Shawano County.

D.1. Descriptions:

(Form 4400-202, Attachment D, Part D1. – brief description of the type, depth and location of residual contamination, description of the system/cover/barrier to be maintained, and its location on the site, maintenance activities, and contact information.)

Description of Contamination

Soil contaminated by petroleum is located at a depth of 2-9 feet at soil probe locations GP-1, GP-2, GP-3, GP-12 and GP-13 (the area surrounding the former UST system). Groundwater contaminated by petroleum is located at a depth of 2 to 10 bgs. The extent of the soil and groundwater contamination is shown on the attached maps, B.2.a Soil Contamination and B.3.b Groundwater Isoconcentration.

Description of the [Cover/Barrier] to be Maintained

The cap consists of approximately 4-6 inches of concrete and asphalt. It is located in the area surrounding the former 300 gallon gasoline UST system as shown on the attached map, D.2

Cover/Building/Slab/Barrier Purpose

The concrete and asphalt, as well as, the northeast corner of the garage over the contaminated soil and groundwater plume serve as a partial infiltration barrier to minimize future soil-to-groundwater contamination migration that would violate the groundwater standards in ch. NR 140, Wisconsin Administrative Code. Based on the current use of the property, residential, the barrier should function as intended unless disturbed.

Annual Inspection

The concrete and asphalt, as well as, the roof and garage foundation overlying the soil and groundwater plume and as depicted in Figure D.2 will be inspected once a year, normally in the spring after all snow and ice is gone, for deterioration, cracks and other potential problems that can cause additional infiltration into underlying soils. The inspections will be performed by the property owner or their designated representative. The inspections will be performed to evaluate damage due to settling, exposure to the weather, wear from traffic, increasing age and other factors. Any area where soils have become or are likely to become exposed and where infiltration from the surface will not be effectively minimized will be documented.

A log of the inspections and any repairs will be maintained by the property owner and is included as D.4, Form 4400-305, Continuing Obligations Inspection and Maintenance Log. The log will include recommendations for necessary repair of any areas where underlying soils are exposed and where infiltration from the surface will not be effectively minimized. Once repairs are completed, they will be documented in the inspection log. A copy of the maintenance plan and inspection log will be kept at the site; or, if there is no acceptable place (for example, no building is present) to keep it at the site, at the address of the property owner and available for submittal or inspection by Wisconsin Department of Natural Resources (DNR) representatives upon their request.

[Note: *The DNR may, in some instances, require in the case closure letter that the inspection log be submitted at least annually after every inspection. If the case closure letter requires that, then add the following sentence to the paragraph above: A copy of the inspection log must be submitted electronically to the DNR after every inspection, at least annually.*]

Maintenance Activities

(Form 4400-202, Attachment D, Part D1. – Description of Maintenance Actions required for maximizing effectiveness of the cover/barrier/engineered control, feature or other action for which maintenance is required.)

If problems are noted during the annual inspections or at any other time during the year, repairs will be scheduled as soon as practical. Repairs can include patching and filling or larger resurfacing or construction operations. In the event that necessary maintenance activities expose the underlying soil, the owner must inform maintenance workers of the direct contact exposure hazard and provide them with appropriate personal protection equipment (PPE). The owner must also sample any soil that is excavated from the site prior to disposal to ascertain if contamination remains. The soil must be treated, stored and disposed of by the owner in accordance with applicable local, state and federal law.

In the event the concrete or asphalt overlying the contaminated soil and groundwater plume are removed or replaced, the replacement barrier must be equally impervious. Any replacement barrier will be subject to the same maintenance and inspection guidelines as outlined in this Maintenance Plan unless indicated otherwise by the DNR or its successor.

The property owner, in order to maintain the integrity of the concrete and asphalt, will maintain a copy of this

Maintenance Plan at the site; or, if there is no acceptable place to keep it at the site (for example, no building is present), at the address of the property owner and make it available to all interested parties (i.e. on-site employees, contractors, future property owners, etc.) for viewing.

Prohibition of Activities and Notification of DNR Prior to Actions Affecting a Cover/Barrier

The following activities are prohibited on any portion of the property where [pavement, a building foundation, soil cover, engineered cap or other barrier] is required as shown on the attached map, unless prior written approval has been obtained from the Wisconsin Department of Natural Resources: 1) removal of the existing barrier; 2) replacement with another barrier; 3) excavating or grading of the land surface; 4) filling on capped or paved areas; 5) plowing for agricultural cultivation; or 6) construction or placement of a building or other structure.

If removal, replacement or other changes to a cover, or a building which is acting as a cover, are considered, the property owner will contact DNR at least 45 days before taking such an action, to determine whether further action may be necessary to protect human health, safety, or welfare or the environment, in accordance with s. NR 727.07, Wis. Adm. Code.

Amendment or Withdrawal of Maintenance Plan


This Maintenance Plan can be amended or withdrawn by the property owner and its successors with the written approval of DNR.

Contact Information

(Form 4400-202, Attachment D, Part 1.) Contact Information, including the name, address and phone number of the individual or facility who will be conducting the maintenance.)

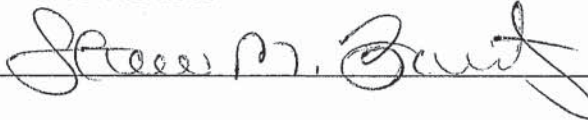
August 2017

Site Owner and Operator: Steven Bartz
301 S Zachow Street
Cecil, WI 54111
715-745-2380

Signature: 

(DNR may request signature of affected property owners, on a case-by-case basis)

Property Owner: Steven Bartz
301 S Zachow Street
Cecil, WI 54111
715-745-2380

Signature: 

Consultant: Joseph Ramcheck
Endeavor Environmental
2280-B Salscheider Court
Green Bay, WI 54313
920-437-2997

DNR: Thomas Verstegen
625 E County Rd Y, Suite 700
Oshkosh, WI 54901
920-424-0025

D.2 Location Map(s)

Include a location map which shows:

- (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 of Cover/Barrier

Include one or more photographs documenting the condition and extent of the cover/barrier/building/slab at the time of the closure request. Pertinent features must be visible and discernible. Include a title on each photograph, which identifies the site name and location of the feature, and the date on which the photograph was taken.

D.4 Continuing Obligations Inspection and Maintenance Log

Use DNR Fillable Form Form 4400-305

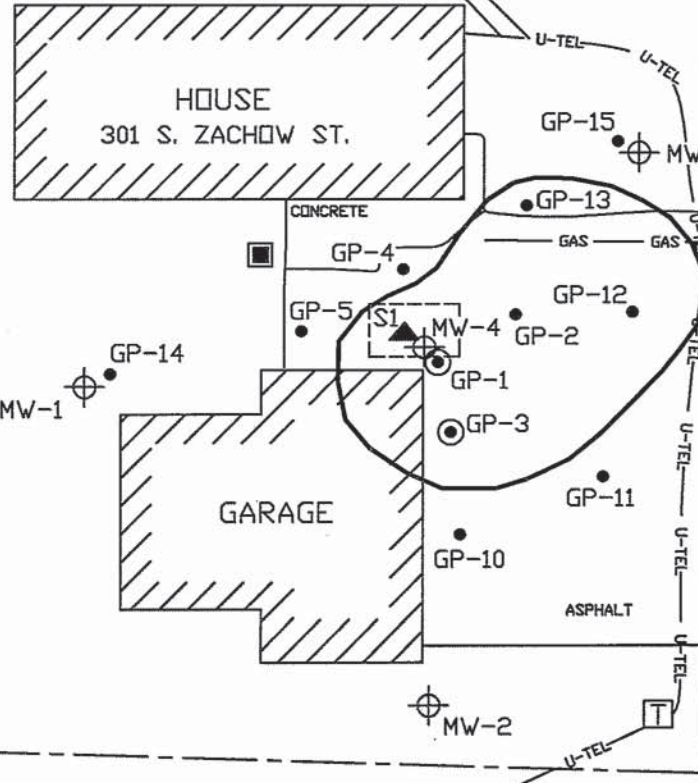


2280-B SALSCHIEDER COURT, GREEN BAY, WI 54313

E. JAMES STREET

PIN: 111501000290

GRASS



ZACHOW STREET

LEGEND

- SITE ASSESSMENT
- SOIL SAMPLE (S1)
- APPROXIMATE PROPERTY LINE
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FIGURE B.2.a
SOIL CONTAMINATION
WEGNER PROPERTY (FORMER)
CECIL, WISCONSIN

SCALE	SHEET NO.	DWG NO.	DATE	SIZE	DRWN BY	FILE	REVISED	DATE
1" = 30'	1 OF 1	PI01397.40.B.2.a	8/4/17	A	SVD	320		

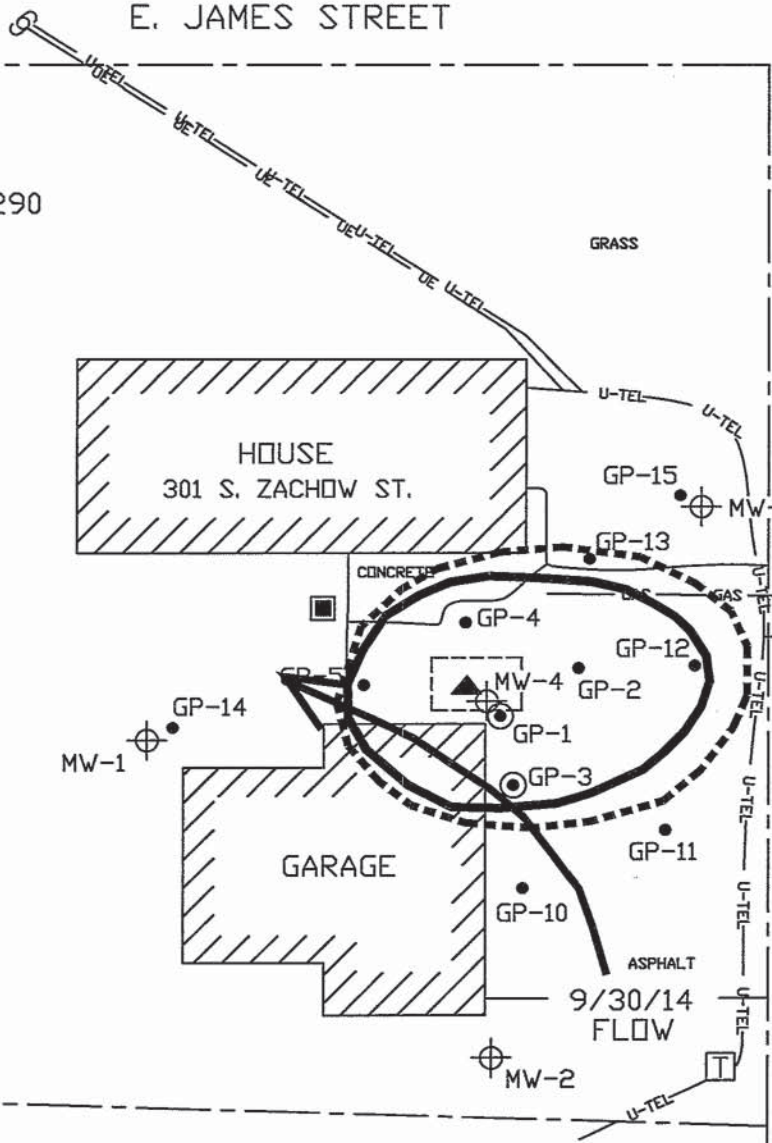
D.L.



2280-B SALSCHIEDER COURT, GREEN BAY, WI 54313

E. JAMES STREET

PIN: 111501000290



LEGEND

- SITE ASSESSMENT
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- POTABLE WELL
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- MONITORING WELL
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- EXTENT OF GROUNDWATER CONTAMINATION EXCEEDING NR 140 PALS
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NOTE: ALL MONITORING WELLS HAVE BEEN LOCATED AND WILL BE ABANDONED AT POINT OF CLOSURE.

FIGURE B.3.b
GROUNDWATER ISOCONCENTRATION
WEGNER PROPERTY (FORMER)
CECIL, WISCONSIN

SCALE	SHEET NO.	DWG NO.	DATE	SIZE	DRWN BY	FILE	REVISED	APP'D
1" = 30'	1 OF 1	P101397.40.B.3.b	8/4/17	A	320	320	11/17	SVI

D.I.

D.3. Photographs



Photo 1: Cap area looking east to west



Photo 2: Cap area looking north to south

Directions: In accordance with s. NR 727.05 (1) (b) 3., Wis. Adm. Code, use of this form for documenting the inspections and maintenance of certain continuing obligations is required. 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.]. When using this form, identify the condition that is being inspected. See the closure approval letter for this site for requirements regarding the submittal of this form to the Department of Natural Resources. A copy of this inspection log is required to be maintained either on the property, or at a location specified in the closure approval letter. Do NOT delete previous inspection results. This form was developed to provide a continuous history of site inspection results. The Department of Natural Resources project manager is identified in the closure letter. The project manager may also be identified from the database, BRRTS on the Web, at <http://dnr.wi.gov/botw/SetUpBasicSearchForm.do>, by searching for the site using the BRRTS ID number, and then looking in the "Who" section.

Activity (Site) Name Wegner Property	BRRTS No. 03-59-252763
--	----------------------------------

Inspections are required to be conducted (see closure approval letter):

annually
 semi-annually
 other – specify _____

When submittal of this form is required, submit the form electronically to the DNR project manager. An electronic version of this filled out form, or a scanned version may be sent to the following email address (see closure approval letter):

Inspection Date	Inspector Name	Item	Describe the condition of the item that is being inspected	Recommendations for repair or maintenance	Previous recommendations implemented?	Photographs taken and attached?
		<input type="checkbox"/> monitoring well <input type="checkbox"/> cover/barrier <input type="checkbox"/> vapor mitigation system <input type="checkbox"/> other:			<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N
		<input type="checkbox"/> monitoring well <input type="checkbox"/> cover/barrier <input type="checkbox"/> vapor mitigation system <input type="checkbox"/> other:			<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N
		<input type="checkbox"/> monitoring well <input type="checkbox"/> cover/barrier <input type="checkbox"/> vapor mitigation system <input type="checkbox"/> other:			<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N
		<input type="checkbox"/> monitoring well <input type="checkbox"/> cover/barrier <input type="checkbox"/> vapor mitigation system <input type="checkbox"/> other:			<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N
		<input type="checkbox"/> monitoring well <input type="checkbox"/> cover/barrier <input type="checkbox"/> vapor mitigation system <input type="checkbox"/> other:			<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N
		<input type="checkbox"/> monitoring well <input type="checkbox"/> cover/barrier <input type="checkbox"/> vapor mitigation system <input type="checkbox"/> other:			<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N

{Click to Add/Edit Image}

Date added: 11/28/2017



Title: View of cap area looking east to west (taken 9/12/2017)

{Click to Add/Edit Image}

Date added: 11/28/2017



Title: View of cap area looking north to south (taken 9/12/2017)

SUBMIT AS UNBOUND PACKAGE IN THE ORDER SHOWN

Notice: Pursuant to ch. 292, Wis. Stats., and chs. NR 726 and 746, Wis. Adm. Code, this form is required to be completed for case closure requests. The closure of a case means that the Department of Natural Resources (DNR) has determined that no further response is required at that time based on the information that has been submitted to the DNR. All sections of this form must be completed unless otherwise directed by the Department. DNR will consider your request administratively complete when the form and all sections are completed, all attachments are included, and the applicable fees required under ch. NR 749, Wis. Adm. Code, are included, and sent to the proper destinations. Personal information collected will be used for administrative purposes and may be provided to requesters to the extent required by Wisconsin's Open Records Law (ss. 19.31 - 19.39, Wis. Stats.). Incomplete forms will be considered "administratively incomplete" and processing of the request will stop until required information is provided.

Site Information			
BRRTS No. 03-59-252763	VPLE No.		
Parcel ID No. 111501000290			
FID No. 459033190	WTM Coordinates		
	X 642597	Y 482726	
BRRTS Activity (Site) Name Wegner Property	WTM Coordinates Represent: <input checked="" type="checkbox"/> Source Area <input type="checkbox"/> Parcel Center		
Site Address 301 S Zachow Street	City Cecil	State WI	ZIP Code 54111
Acres Ready For Use 1			

Responsible Party (RP) Name Mr. Steven Bartz			
Company Name			
Mailing Address 301 S Zachow Street	City Cecil	State WI	ZIP Code 54111
Phone Number (715) 745-2380	Email		

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

Environmental Consultant Name Joseph Ramcheck			
Consulting Firm Endeavor Environmental Services, Inc			
Mailing Address 2280-B Salscheider Court	City Green Bay	State WI	ZIP Code 54313
Phone Number (920) 427-2997	Email jramcheck@endeavorenv.com		

Fees and Mailing of Closure Request

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

<input checked="" type="checkbox"/> \$1,050 Closure Fee	<input checked="" type="checkbox"/> \$300 Database Fee for Soil
<input checked="" type="checkbox"/> \$350 Database Fee for Groundwater or Monitoring Wells (Not Abandoned)	Total Amount of Payment \$ <u>\$1,700.00</u>
<input type="checkbox"/> Resubmittal, Fees Previously Paid	
- Send one paper copy and one e-copy on compact disk of the entire closure package to the Regional Project Manager assigned to your site. Submit as *unbound, separate documents* in the order and with the titles prescribed by this form. For electronic document submittal requirements, see <http://dnr.wi.gov/files/PDF/pubs/rr/RR690.pdf>.

Site Summary

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

1. General Site Information and Site History

- A. Site Location: Describe the physical location of the site, both generally and specific to its immediate surroundings.
The subject property is located in the NE1/4 of the NE1/4, Section 20, Township 27 North, Range 17 East, in the Village of Cecil, Shawano County, Wisconsin. The property is located 1/2 mile east of Shawano Lake and Pickerel Creek on the southeast corner of S. Zachow and E. James Streets.
- B. Prior and current site usage: Specifically describe the current and historic occupancy and types of use.
The site formerly operated as Stoltenow Masonry which utilized a petroleum storage and distribution system consisting of one 300-gallon gasoline underground storage tank (UST) for fueling fleet vehicles. The property is currently a residence.
- C. Current zoning (e.g., industrial, commercial, residential) for the site and for neighboring properties, and how verified (Provide documentation in Attachment G).
As identified on the map obtained from the Shawano County Website. The current zoning of the property is residential. The surrounding parcels of land to the west and east, across Z. Zachow Street, are also zoned residential. The properties to the north and northeast are identified as Community Facilities and the property to the south is identified as opens space and forestry.
- D. Describe how and when site contamination was discovered.
On April 6, 2000, Robert E. Lee & Associates, Inc. completed site assessment soil sampling activities associated with the removal of the petroleum distribution system located at Wegner Property. One soil sample from beneath the gasoline UST was collected and submitted for laboratory analysis of gasoline range organics (GRO). Soil sample laboratory analytical results reported detections of GRO above Wisconsin Administrative Code (WAC), NR 720.09 residual contaminant levels (RCLs) in soil sample S1.

On April 24, 2000, Robert E. Lee & Associates, Inc. notified the Wisconsin Department of Natural Resources (WDNR) of the confirmed petroleum soil contamination.
- E. Describe the type(s) and source(s) or suspected source(s) of contamination.
The source of the on site petroleum contamination is a release from the former 300-gallon gasoline UST system.
- F. Other relevant site description information (or enter Not Applicable).
Not Applicable
- G. List BRRTS activity/site name and number for BRRTS activities at this source property, including closed cases.
Wegner Property, BRRTS # 03-59-252763
- H. List BRRTS activity/site name(s) and number(s) for all properties immediately adjacent to (abutting) this source property.
None adjacent. Not applicable.

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.
According to the United States Department of Agriculture, Natural Resource Conservation Service's Web Soil Survey, the site soils consists of Onaway fine sandy loam. Onaway fine sandy loam has 2-6 percent slopes and consists of very deep, well drained to moderately well drained soils. Onaway fine sandy loam formed in deep loamy deposits on ground moraines, end moraines and drumlins. Permeability of this soil is listed as moderate. Depth to groundwater is greater than 6 feet.

Site soils observed during soil boring activities consisted of primarily loamy clay, silty sand, medium sand, sandy silt and loamy silt. Bedrock was not encountered during the site investigation activities.
 - ii. Describe the composition, location and lateral extent, and depth of fill or waste deposits on the site.
Gravel fill was identified during advancement of soil probes beneath and around the areas covered by asphalt, concrete and adjacent to building foundations at depths ranging from one to two feet below round surface (bgs). Additionally sand fill is present in the area of the former UST to depths of approximately four feet bgs.
 - iii. Describe the depth to bedrock, bedrock type, competency and whether or not it was encountered during the investigation.
According to the Bedrock Map of Wisconsin, University of Wisconsin - Extension Geological and Natural History Survey (WGNHS), date 1982 the site bedrock conditions are described as sedimentary rocks of the Paleozoic Age that

correlate with the Cambrian System. The bedrock is composed of undivided sand stone with some dolomite and shale that includes the Trempealeau, Tunnel City, and Elk Mounds Group. The underlying bedrock is estimated to range from 15 to 30 meters bgs and was not encountered during site activities.

- 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 house and garage are located on the eastern portion of the property. A concrete walk is located on the southeast side of the residence. An asphalt driveway is located between the eastern portions of the buildings and extends east to S. Zachow Street. The remainder of the property is grass covered.

B. Groundwater

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

Depth to shallow groundwater at the site ranges from two to ten feet bgs within the native soils. Depth to water variations across the site appear to be a result of seasonal precipitation. No free product has ever been measured at the site.

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

Shallow groundwater flow direction at the site has been to the north and northwest.

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

Hydraulic conductivity was measured via Bouwer Rice Slug Test Method. Monitoring wells were tested on January 12, 2012. Both monitoring wells have a hydraulic conductivity of 4.2 feet/day.

- 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).

WGNHS well records were reviewed in preparation of the Site Investigation Work Plan (SIWP). The WGNHS records identified three wells in the quarter section surrounding the subject property. Based upon the reviewed information, the identified potable wells range from a depth of 43 to 62 feet bgs. All of these wells were outfitted with 6 inch steel casings and slotted screens.

Interviews with the owner and WGNHS identified the on site potable well as being constructed to approximately 43 feet bgs with a six inch steel casing.

3. Site Investigation Summary

A. General

- i. Provide a brief summary of the site investigation history. Reference previous submittals by name and date. Describe site investigation activities undertaken since the last submittal for this project and attach the appropriate documentation in Attachment C, if not previously provided.

On April 6, 2000, Robert E. Lee & Associates, Inc. completed site assessment soil sampling activities associated with the removal of the petroleum distribution system located at the above referenced site. One soil sample from beneath the gasoline UST was collected and submitted for laboratory analysis of GRO. Soil sample laboratory analytical results reported detections of GRO above WAC, NR 720.09 residual contaminant levels (RCLs) in soil sample S1.

On April 24, 2000, Robert E. Lee & Associates, Inc. , notified the WDNR of the confirmed petroleum soil contamination.

On May 9, 2000, the WDNR issued a "responsible party" (RP) letter to Troy Wagner, outlining his responsibility to restore the environment.

On July 15, 2002, the WDNR issued a new "responsible party" letter to Steven Bartz, outlining his responsibility to restore the environment.

On September 30, 2010, Wisconsin Department of Commerce (COMM) granted Petroleum Environmental Cleanu Fund (PECFA) eligibility to the aforementioned UST and its associated contamination.

On November 8, 2010, Endeavor executed an agent status contract to provide professional consulting services associated with the site investigation and/or remedial activities associated with the confirmed petroleum release.

Add the rest of the SI summary.....

- 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.
No contamination has migrated beyond the property boundaries.

- 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.
The degree and extent of contamination have been adequately defined for this site and therefore, no structural impediments are present.

B. Soil

- i. Describe degree and extent of soil contamination. Relate this to known or suspected sources and known or potential receptors/migration pathways.
- ii. Describe the concentration(s) and types of soil contaminants found in the upper four feet of the soil column.
A small area of soil contamination exceeding soil to groundwater pathway for benzene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene and naphthalene was identified from two to four feet bgs in soil probe GP-2. No other soil exceeding RCLs was identified in the upper four feet on site.
- 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 concentrations remaining on site do not exceed industrial or non-industrial direct contact RCLs. Therefore, for the purpose of this closure the NR720.10 method is utilized that is protective of groundwater quality.

C. Groundwater

- i. Describe degree and extent of groundwater contamination. Relate this to known or suspected sources and known or potential receptors/migration pathways. Specifically address any potential or existing impacts to water supply wells or interception with building foundation drain systems.
Groundwater contamination exceeding NR 140 enforcement standards (ESs) is present on site in monitoring well MW-4 and was identified in groundwater grab samples collected from soil probes GP-1 and GP-3. All other wells, including the potable well have not contained concentrations in excess of the NR 140 standards during any sampling event.

Groundwater contamination is localized on site to the area surrounding the former UST system. The on site buildings are slab on grade, with foundations that do not come in contact with on site groundwater. Additionally the on site potable well has been sampled five times with no concentrations exceeding NR140 standards.
- 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.
No free product has ever been measured on site.

D. Vapor

- i. Describe how the vapor migration pathway was assessed, including locations where vapor, soil gas, or indoor air samples were collected. If the vapor pathway was not assessed, explain reasons why.
The WDNR Guidance "Addressing Vapor Intrusion and Remediation and Redevelopment Sites in Wisconsin" was used to assess vapor intrusion pathways for the Wegner Property. None of the screening conditions exist at the Wegner Property, additionally conversations with the responsible party have identified that no petroleum odors have ever been present within the site buildings.
- ii. Identify the applicable DNR action levels and the land use classification used to establish them. Describe where the DNR action levels were reached or exceeded (e.g., sub slab, indoor air or both).
Not applicable. No subslab samples were collected.

E. Surface Water and Sediment

- i. Identify whether surface water and/or sediment was assessed and describe the impacts found. If this pathway was not assessed, explain why.
Not applicable. The nearest surface water body, Shawano Lake, is located approximately one-half mile from the site. Residual contamination does not extend off site and therefore surface water was not assessed.

- 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.
Not applicable, see 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.
No active remediation has been conducted at the site. Remaining residual contamination will be addressed by natural attenuation.
- B. Describe any immediate or interim actions taken at the site under ch NR 708, Wis. Adm. Code.
No immediate or interim actions have taken place at the site.
- C. Describe the *active* remedial actions taken at the source property, including: type of remedial system(s) used for each media affected; the size and location of any excavation or in-situ treatment; the effectiveness of the systems to address the contaminated media and substances; operational history of the systems; and summarize the performance of the active remedial actions. Provide any system performance documentation in Attachment A.7.
Not applicable. No active remedial action have taken place at the property.
- 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.
Not applicable. No active remedial action have taken place at the property.
- E. Describe the nature, degree and extent of residual contamination that will remain at the source property or on other affected properties after case closure.
Residual unsaturated soil contamination exceeding soil to groundwater pathway RCLs and groundwater contamination exceeding enforcement standards remains on site in the area surrounding the former 300-gallon gasoline UST system between the site buildings and beneath the driveway to the east. No residual soil contamination exceeds direct contact values in the upper four feet. Based on analytical results, residual soil and groundwater do not appear to extend off site.
- F. Describe the residual soil contamination within four feet of ground surface (direct contact zone) that attains or exceeds RCLs established under s. NR 720.12, Wis. Adm. Code, for protection of human health from direct contact.
A small area of residual soil contamination exceeding soil to groundwater pathway for benzene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene and naphthalene was identified from two to four feet bgs in soil probe GP-2. No other soil exceeding RCLs was identified in the upper four feet on site.
- 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.
The remaining residual soil contamination with concentrations that exceed the soil to groundwater pathway RCLs above the low water table are located at soil probe locations GP-1, GP-2, GP-3, GP-12 and GP-13 at six to eight feet bgs. Soil contamination in GP-1, GP-3 and GP-12 exceed the groundwater pathway for ethylbenzene, total xylenes, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene and naphthalene. Soil contamination in GP-2 exceeds the groundwater pathway for for benzene, ethylbenzene, toluene, total xylenes, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene and naphthalene. And finally, soil contamination in GP-13 exceeds the groundwater pathway for for benzene, ethylbenzene, total xylenes, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene and naphthalene.
- H. Describe how the residual contamination will be addressed, including but not limited to details concerning: covers, engineering controls or other barrier features; use of natural attenuation of groundwater; and vapor mitigation systems or measures.
Remaining residual soil contamination will be addressed by natural attenuation. The source of contamination was removed during removal of the on site tank system. Additionally groundwater contamination is localized to the area immediately surrounding the former source with concentrations associated with this release remaining stable or decreasing.

The majority of the area of residual contamination is covered by concrete and or asphalt which will be maintained to prevent future migration of the residual contamination. A cap maintenance plan is included in Attachment D.
- I. If using natural attenuation as a groundwater remedy, describe how the data collected supports the conclusion that natural attenuation is effective in reducing contaminant mass and concentration (e.g., stable or receding groundwater plume).
The source (300-gallon UST system) of the petroleum contamination associated with this release has been removed. Groundwater monitoring has identified that residual contamination is localized to the area surrounding the former UST system with stable/decreasing concentrations in the monitoring wells. Therefore, based on the stable/decreasing groundwater plume and the fact that the source has been removed, natural attenuation will continue to occur as the groundwater remedy at the site.

- J. Identify how all exposure pathways (soil, groundwater, vapor) were removed and/or adequately addressed by immediate, interim and/or remedial action(s).
All exposure pathways were addressed by sampling, application of WDNR guidance as well as with RP interviews.
- K. Identify any system hardware anticipated to be left in place after site closure, and explain the reasons why it will remain.
Not applicable. No system was installed on site
- L. Identify the need for a ch. NR 140, Wis. Adm. Code, groundwater Preventive Action Limit (PAL) or Enforcement Standard (ES) exemption, and identify the affected monitoring points and applicable substances.
No PAL or ES exemptions are necessary for site closure.
- 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.
Not applicable.
- 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.
Not applicable.

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

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

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

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

6. Underground Storage Tanks

- A. Were any tanks, piping or other associated tank system components removed as part of the investigation or remedial action? Yes No
- B. Do any upgraded tanks meeting the requirements of ch. ATCP 93, Wis. Adm. Code, exist on the property? Yes No
- C. If the answer to question 6.B. is yes, is the leak detection system currently being monitored? Yes No

General Instructions

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

Data Tables (Attachment A)

Directions for Data Tables:

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

A. Data Tables

- A.1. Groundwater Analytical Table(s):** Table(s) showing the analytical results and collection dates for all groundwater sampling points (e.g., monitoring wells, temporary wells, sumps, extraction wells, potable wells) for which samples have been collected.
- A.2. Soil Analytical Results Table(s):** Table(s) showing **all** soil analytical results and collection dates. Indicate if sample was collected above or below the observed low water table (unsaturated versus saturated).
- A.3. Residual Soil Contamination Table(s):** Table(s) showing the analytical results of only the residual soil contamination at the time of closure. This table shall be a subset of table A.2 and should include only the soil sample locations that exceed an RCL. Indicate if sample was collected above or below the observed low water table (unsaturated versus saturated). Table A.3 is optional only if a total of fewer than 15 soil samples have been collected at the site.
- A.4. Vapor Analytical Table(s):** Table(s) showing type(s) of samples, sample collection methods, analytical method, sample results, date of sample collection, time period for sample collection, method and results of leak detection, and date, method and results of communication testing.
- A.5. Other Media of Concern (e.g., sediment or surface water):** Table(s) showing type(s) of sample, sample collection method, analytical method, sample results, date of sample collection, and time period for sample collection.
- A.6. Water Level Elevations:** Table(s) showing all water level elevation measurements and dates from all monitoring wells. If present, free product should be noted on the table.
- A.7. Other:** This attachment should include: 1) any available tabulated natural attenuation data; 2) data tables pertaining to engineered remedial systems that document operational history, demonstrate system performance and effectiveness, and display emissions data; and (3) any other data tables relevant to case closure not otherwise noted above. If this section is not applicable, please explain the reasons why.

Maps, Figures and Photos (Attachment B)

Directions for Maps, Figures and Photos:

- Provide on paper no larger than 11 x 17 inches, unless otherwise directed by the Department. Maps and figures may be submitted in a larger electronic size than 11 x 17 inches, in a PDF readable by the Adobe Acrobat Reader. However, those larger-size documents must be legible when printed.
 - Prepare visual aids, including maps, plans, drawings, fence diagrams, tables and photographs according to the applicable portions of ss. NR 716.15(4), 726.09(2) and 726.11(3), (5) and (6), Wis. Adm. Code.
 - Include all sample locations.
 - Contour lines should be clearly labeled and defined.
 - Include in Attachment B all of the following maps and figures, in the order prescribed below, with the specific Closure Form titles noted on the separate attachments (e.g., Title: B.1. Location Map; B.2. Detailed Site Map, etc.).
 - For the electronic copies that are required, each map (e.g., B.1.a., B.2.a, etc.,) should be a separate PDF.
 - Maps, figures and photos should be dated to reflect the most recent revision.
- B.1. Location Maps**
 - B.1.a. Location Map:** A map outlining all properties within the contaminated site boundaries on a United States Geological Survey (U.S.G.S.) topographic map or plat map in sufficient detail to permit easy location of all affected and/or adjacent parcels. If groundwater standards are exceeded, include the location of all potable wells, including municipal wells, within 1200 feet of the area of contamination.
 - B.1.b. Detailed Site Map:** A map that shows all relevant features (buildings, roads, current ground surface cover, individual property boundaries for all affected properties, contaminant sources, utility lines, monitoring wells and potable wells) within the contaminated area. This map is to show the location of all contaminated public streets, and highway and railroad rights-of-way in relation to the source property and in relation to the boundaries of groundwater contamination attaining or exceeding a ch. NR 140 ES, and/or in relation to the boundaries of soil contamination attaining or exceeding a RCL. Provide parcel identification numbers for all affected properties.
 - B.1.c. RR Sites Map:** From RR Sites Map ([http://dnrm.wi.gov/sl/?Viewer=RR Sites](http://dnrm.wi.gov/sl/?Viewer=RR%20Sites)) attach a map depicting the source property, and all open and closed BRRTS sites within a half-mile radius or less of the property.

B.2. Soil Figures

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

B.3. Groundwater Figures

- B.3.a. **Geologic Cross-Section Figure(s):** One or more cross-section diagrams showing soil types and correlations across the site, water table and piezometric elevations, and locations and elevations of geologic rock units, if encountered. Display on one or more figures all of the following:
- Source location(s) and vertical extent of residual soil contamination exceeding an RCL. Distinguish between direct contact and the groundwater pathway RCLs.
 - Source location(s) and lateral and vertical extent if groundwater contamination exceeds ch. NR 140 ES.
 - Surface features, including buildings and basements, and show surface elevation changes.
 - Any areas of active remediation within the cross section path, such as excavations or treatment zones.
 - Include a map displaying the cross-section location(s), if they are not displayed on the Detailed Site Map (Map B.1.b.)
- B.3.b. **Groundwater Isoconcentration:** Figure(s) showing the horizontal extent of the post-remedial groundwater contamination exceeding a ch. NR 140, Wis. Adm. Code, PAL and/or an ES. Indicate the date and direction of groundwater flow based on the most recent sampling data.
- B.3.c. **Groundwater Flow Direction:** Figure(s) representing groundwater movement at the site. If the flow direction varies by more than 20° over the history of the site, submit two groundwater flow maps showing the maximum variation in flow direction.
- B.3.d. **Monitoring Wells:** Figure(s) showing all monitoring wells, with well identification number. Clearly designate any wells that: (1) are proposed to be abandoned; (2) cannot be located; (3) are being transferred; (4) will be retained for further sampling, or (5) have been abandoned.

B.4. Vapor Maps and Other Media

- B.4.a. **Vapor Intrusion Map:** Map(s) showing all locations and results for samples taken to investigate the vapor intrusion pathway in relation to residual soil and groundwater contamination, including sub-slab, indoor air, soil vapor, soil gas, ambient air, and communication testing. Show locations and footprints of affected structures and utility corridors, and/or where residual contamination poses a future risk of vapor intrusion.
- B.4.b. **Other media of concern (e.g., sediment or surface water):** Map(s) showing all sampling locations and results for other media investigation. Include the date of sample collection and identify where any standards are exceeded.
- B.4.c. **Other:** Include any other relevant maps and figures not otherwise noted above. (This section may remain blank).

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

Documentation of Remedial Action (Attachment C)

Directions for Documentation of Remedial Action:

- Include in Attachment C all of the following documentation, in the order prescribed below, with the specific Closure Form titles noted on the separate attachments (e.g., Title: C.1. Site Investigation Documentation; C.2. Investigative Waste, etc.).
- If the documentation requested below has already been submitted to the DNR, please note the title and date of the report for that particular document requested.
 - C.1. **Site investigation documentation**, that has not otherwise been submitted with the Site Investigation Report.
 - C.2. **Investigative waste** disposal documentation.
 - C.3. Provide a **description of the methodology** used along with all supporting documentation if the RCLs are different than those contained in the Department's RCL Spreadsheet available at: <http://dnr.wi.gov/topic/Brownfields/Professionals.html>.
 - C.4. **Construction documentation** or as-built report for any constructed remedial action or portion of, or interim action specified in s. NR 724.02(1), Wis. Adm. Code.
 - C.5. **Decommissioning of Remedial Systems.** Include plans to properly abandon any systems or equipment.
 - C.6. **Other.** Include any other relevant documentation not otherwise noted above (This section may remain blank).

Maintenance Plan(s) and Photographs (Attachment D)

Directions for Maintenance Plans and Photographs:

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

- D.1. **Descriptions of maintenance action(s) required for maximizing effectiveness of the engineered control, vapor mitigation system, feature or other action for which maintenance is required:**
- Provide brief descriptions of the type, depth and location of residual contamination.

- Provide a description of the system/cover/barrier/monitoring well(s) to be maintained.
 - Provide a description of the maintenance actions required for maximizing effectiveness of the engineered control, vapor mitigation system, feature or other action for which maintenance is required.
 - Provide contact information, including the name, address and phone number of the individual or facility who will be conducting the maintenance.
- D.2. **Location map(s) which show(s):** (1) the feature that requires maintenance; (2) the location of the feature(s) that require(s) maintenance - on and off the source property; (3) the extent of the structure or feature(s) to be maintained, in relation to other structures or features on the site; (4) the extent and type of residual contamination; and (5) all property boundaries.
- D.3. **Photographs** for site or facilities with a cover or other performance standard, a structural impediment or a vapor mitigation system, include one or more photographs documenting the condition and extent of the feature at the time of the closure request. Pertinent features shall be visible and discernible. Photographs shall be submitted with a title related to the site name and location, and the date on which it was taken.
- D.4. **Inspection log**, to be maintained on site, or at a location specified in the maintenance plan or approval letter. The inspection and maintenance log is found at: <http://dnr.wi.gov/files/PDF/forms/4400/4400-305.pdf>.

Monitoring Well Information (Attachment E)

Directions for Monitoring Well Information:

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

Select One:

- No monitoring wells were installed as part of this response action.
- All monitoring wells have been located and will be properly abandoned upon the DNR granting conditional closure to the site
- Select One or More:**
 - Not all monitoring wells can be located, despite good faith efforts. Attachment E must include a description of efforts made to locate the wells.
 - One or more wells will remain in use at the site after this closure. Attachment E must include documentation as to the reason (s) the well(s) will remain in use. When one or more monitoring wells will remain in use this is considered a continuing obligation and a maintenance plan will be required and must be included in Attachment D.
 - One or more monitoring wells will be transferred to another owner upon case closure being granted. Attachment E should include documentation identifying the name, address and email for the new owner(s). Provide documentation from the party accepting future responsibility for monitoring well(s).

Source Legal Documents (Attachment F)

Directions for Source Legal Documents:

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

- F.1. **Deed:** The most recent deed with legal description clearly listed.
Note: If a property has been purchased with a land contract and the purchaser has not yet received a deed, a copy of the land contract which includes the legal description shall be submitted instead of the most recent deed. If the property has been inherited, written documentation of the property transfer should be submitted along with the most recent deed.
- F.2. **Certified Survey Map:** A copy of the certified survey map or the relevant section of the recorded plat map for those properties where the legal description in the most recent deed refers to a certified survey map or a recorded plat map. In cases where the certified survey map or recorded plat map are not legible or are unavailable, a copy of a parcel map from a county land information office may be substituted. A copy of a parcel map from a county land information office shall be legible, and the parcels identified in the legal description shall be clearly identified and labeled with the applicable parcel identification number.
- F.3. **Verification of Zoning:** Documentation (e.g., official zoning map or letter from municipality) of the property's or properties' current zoning status.
- F.4. **Signed Statement:** A statement signed by the Responsible Party (RP), which states that he or she believes that the attached legal description(s) accurately describe(s) the correct contaminated property or properties. This section applies to the source property only. Signed statements for Other Affected Properties should be included in Attachment G.

Notifications to Owners of Affected Properties (Attachment G)**Directions for Notifications to Owners of Affected Properties:**

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

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

Include a copy of each notification sent and accompanying proof of delivery, i.e., return receipt or signature confirmation. (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.

Signatures and Findings for Closure Determination

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

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

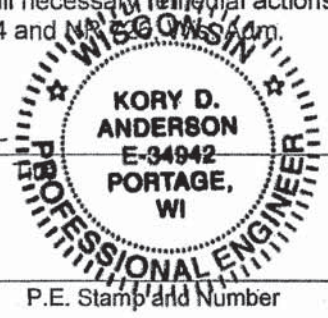
[X] The response action(s) for this site addresses media other than groundwater.

Engineering Certification

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

Kory D. Anderson
Printed Name

Project Engineer



(Kory D. Anderson)
Signature

8/29/17
Date

P.E. Stamp and Number

Hydrogeologist Certification

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

Joseph M. Ramcheck
Printed Name

Senior Hydrologist
Title

(Joseph M. Ramcheck)
Signature

09/01/17
Date

Date

Attachment A Table of Contents

- A.1. Groundwater Analytical Table(s): Attached
- A.2. Soil Analytical Results Table(s): Attached
- A.3. Residual Soil Contamination Table(s): Attached
- A.4. Vapor Analytical Table(s): Not included, not applicable. No vapor samples collected (See Section 3.D.i in 4400-202)
- A.5. Other Media of Concern: Not included, not applicable. No other media of concern
- A.6. Water Level Elevations: See Attached A.1. Groundwater Analytical Table that includes Water Level Elevations
- A.7. Other: Not included, not applicable.

Table A.1.
Groundwater Sample Laboratory Analytical Results
Wegner Property (Former)
Cecil, Wisconsin

Sample ID	Benzene	Ethylbenzene	Toluene	Total Xylenes	Total TMBs	MTBE	Naphthalene	Methylene Chloride	Isopropylbenzene	n-Propylbenzene	1,2-Dichloroethane	Carbon Disulfide	Depth to Groundwater (Ft btoc)	Groundwater Elevation
GP-1														
12/7/2011	7,770	1,530	5,440	8,060	1,358	<152	<222	335	<148	<202	<90.0	NA	NM	NA
GP-3														
12/7/2011	<20.5	2,720	161	8,454	4,000	<30.5	467	<21.5	103	428	<18.0	NA	NM	NA
MW-1														
12/27/2011	<0.41	<0.54	<0.67	<2.63	<1.80	<0.61	<0.89	<0.43	<0.59	<0.81	3.7	NA	6.99	814.34
3/26/2012	<0.39	<0.41	<0.42	<1.25	<0.83	<0.38	<0.40	NA	NA	NA	NA	NA	4.20	817.13
6/25/2012	0.50 ^j	<0.41	<0.42	<1.25	<0.83	<0.38	<0.40	NA	NA	NA	NA	NA	6.00	815.33
8/27/2012	<0.39	<0.41	<0.42	<1.25	<0.83	<0.38	<0.40	NA	NA	NA	NA	NA	6.29	815.04
2/25/2014	<0.27	<0.82	<0.8	<2.41	<1.69	<0.37	<1.2	NA	NA	NA	NA	NA	7.77	813.56
5/15/2014	<0.16	<0.26	<0.23	<0.66	<0.31	<0.18	<0.22	NA	NA	NA	NA	NA	2.05	819.28
9/30/2014	<0.16	<0.26	<0.23	<0.66	<0.31	<0.18	<0.22	NA	NA	NA	NA	NA	4.91	816.42
MW-2														
12/27/2011	<0.41	<0.54	<0.67	<2.63	<1.80	<0.61	<0.89	<0.43	<0.59	<0.81	<0.36	NA	6.38	816.22
3/26/2012	<0.39	<0.41	<0.42	<1.25	<0.83	<0.38	<0.40	NA	NA	NA	NA	NA	4.09	818.51
6/25/2012	<0.39	<0.41	<0.42	<1.25	<0.83	<0.38	<0.40	NA	NA	NA	NA	NA	5.70	816.90
8/27/2012	<0.39	<0.41	<0.42	<1.25	<0.83	<0.38	<0.40	NA	NA	NA	NA	NA	6.13	816.47
2/25/2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.38	814.22
5/15/2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.43	821.17
9/30/2014	<0.16	<0.26	<0.23	<0.66	<0.31	<0.18	<0.22	NA	NA	NA	NA	NA	4.60	818.00
MW-3														
12/27/2011	<0.41	<0.54	<0.67	<2.63	<1.80	<0.61	<0.89	<0.43	<0.59	<0.81	21.3	NA	7.28	816.12
3/26/2012	<0.39	<0.41	<0.42	<1.25	0.54 ^j	<0.38	<0.40	NA	NA	<0.38	NA	NA	6.06	817.34
6/25/2012	<0.39	<0.41	<0.42	<1.25	<0.83	<0.38	<0.40	NA	NA	NA	NA	NA	7.38	816.02
8/27/2012	<0.39	<0.41	<0.42	<1.25	<0.83	<0.38	<0.40	NA	NA	NA	NA	NA	8.69	814.71
2/25/2014	<0.27	<0.82	<0.8	<2.41	<1.69	<0.37	<1.2	NA	NA	NA	NA	NA	9.40	814.00
5/15/2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.11	821.29
9/30/2014	<0.16	<0.26	<0.23	<0.66	<0.31	<0.18	<0.22	NA	NA	NA	NA	NA	5.87	817.53
MW-4														
12/27/2011	7,400	1,480	3,950	7,770	1,069	<30.5	106 ^j	<21.5	<29.5	66.6	<18.0	NA	6.66	816.24
3/26/2012	5,230	1,650	1,790	6,780	1,259	<19.0	158	NA	NA	NA	NA	NA	5.18	817.72
6/25/2012	1,050	4,400	365	13,661	3,153	<19.0	543	NA	NA	NA	NA	NA	6.02	816.88
8/27/2012	1,590	2,910	858	4,813	2,101	<19.0	394	NA	NA	NA	NA	NA	7.30	815.60
2/25/2014	1,290	1,930	133	6,100	1,730	<3.7	307	NA	NA	NA	NA	NA	9.45	813.45
5/15/2014	1,300	1,100	230	4,400	1,760	8.1	190	NA	NA	NA	NA	NA	2.07	820.83
9/30/2014	440	970	29 ^j	2,500	1,410	9.2 ^j	260	NA	NA	NA	NA	NA	4.80	818.10
MW-10														
4/19/2012	<0.39	<0.41	<0.42	<1.25	<0.83	<0.38	<0.40	NA	NA	NA	NA	NA	7.13	817.03
6/25/2012	<0.39	<0.41	<0.42	<1.25	<0.83	<0.38	<0.40	NA	NA	NA	NA	NA	8.13	816.03
8/27/2012	<0.39	<0.41	<0.42	<1.25	<0.83	<0.38	<0.40	NA	NA	NA	NA	NA	9.92	814.24
2/25/2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.81	814.35
5/15/2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.54	821.62
9/30/2014	<0.16	<0.26	<0.23	<0.66	<0.31	<0.18	<0.22	NA	NA	NA	NA	NA	6.53	817.63
301 Zachow St														
12/27/2011	<0.41	<0.54	<0.67	<2.63	<1.80	<0.61	<0.89	<0.43	<0.59	<0.81	<0.36	NA	NM	NA
8/27/2012	0.42 ^j	<0.078	0.17 ^j	<0.27	<0.136	<0.048	<0.11	<2.0	<0.11	<0.069	<0.053	0.15 ^j	NM	NA
2/25/2014	<0.24	<0.27	<0.24	<0.94	<0.57	<0.26	<0.49	<0.35	<0.3	NA	<0.41	NA	NM	NA
5/15/2014	<0.16	<0.26	<0.23	<0.66	<0.31	<0.18	<0.22	NA	NA	NA	NA	NA	NM	NA
9/30/2014	<0.16	<0.26	<0.23	<0.66	<0.31	<0.18	<0.22	NA	NA	NA	NA	NA	NM	NA
NR 140 ES	5	700	800	2,000	480	60	100	5	NS	NS	5	1,000	NS	NS
NR 140 PAL	0.5	140	160	400	96	12	10	0.5	NS	NS	0.5	200	NS	NS

Notes:

All concentrations reported are in parts per billion (ug/L)

All analytes not listed above were below their respective laboratory method detection limits

^(j) Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit

Bold value represents exceedance of NR 140 enforcement standard

Italic value represents exceedance of NR 140 preventive action limit

TMB:	trimethylbenzene	ES:	enforcement standard
MTBE:	methyl tert-butyl ether	PAL:	preventive action limit
NA:	not analyzed/not applicable	NS:	no standard
Ft btoc:	feet below top of casing	NM:	not measured

Table A.2.
Soil Analytical Results
Wegner Property (Former)
Cecil, Wisconsin

Sample ID	Sample Date	Sample Depth (feet bgs)	Saturation S/US	PID (ppm eq)	GRO	Benzene	Ethyl-benzene	Toluene	Total Xylenes	1,2,4-TMB	1,3,5-TMB	MTBE	Naphthalene	Isopropyl-benzene	n-Propyl-benzene
S1 (West)	4/6/2000	8.0	S	NA	1,350	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GP-1, S-2	12/7/2011	2.0 - 4.0	US	86	NA	<25.0	<25.0	<25.0	<75.0	<25.0	<25.0	<25.0	NA	NA	NA
GP-1, S-4	12/7/2011	6.0 - 8.0	US	1,500	1,090	<1,000	49,700	<1,000	244,800	93,500	30,400	<1,000	10,200	3,570	13,400
GP-1, S-8	12/7/2011	14.0 - 16.0	S	115	5.3	3,950	269	198	393.1	<25.0	<25.0	<25.0	<25.0	NA	NA
GP-2, S-2	12/7/2011	2.0 - 4.0	US	NA	38.5	31.0^l	642	<25.0	2,674	4,560	1,630	<25.0	1,330	NA	NA
GP-2, S-4	12/7/2011	6.0 - 8.0	US	941	327	2,460	11,000	24,900	61,000	18,000	6,900	<125	2,330	NA	NA
GP-2, S-8	12/7/2011	14.0 - 16.0	S	51	5.0	4,090	79.8	226	154.2 ^l	<25.0	<25.0	<25.0	<25.0	NA	NA
GP-3, S-2	12/7/2011	2.0 - 4.0	US	NA	NA	<25.0	<25.0	<25.0	<75.0	<25.0	<25.0	<25.0	NA	NA	NA
GP-3, S-4	12/7/2011	6.0 - 8.0	US	246	445	<125	8,310	279 ^l	26,920	33,200	14,800	<125	5,240	NA	NA
GP-3, S-5	12/7/2011	8.0 - 10.0	S	980	283	<100	6,150	193 ^l	18,625	19,300	8,090	<100	2,940	NA	NA
GP-3, S-6	12/7/2011	10.0 - 12.0	S	103	7.2	<25.0	990	59.4 ^l	1,130	503	394	<25.0	418	NA	NA
GP-4, S-2	12/7/2011	2.0 - 4.0	US	NA	<3.1	<25.0	<25.0	<25.0	<75.0	<25.0	<25.0	<25.0	<25.0	NA	NA
GP-4, S-4	12/7/2011	6.0 - 8.0	US	9.2	<2.9	<25.0	<25.0	<25.0	<75.0	<25.0	<25.0	<25.0	<25.0	NA	NA
GP-4, S-6	12/7/2011	10.0 - 12.0	S	974	378	1,190	7,840	717	33,810	19,000	7,850	314^l	1,980	NA	NA
GP-5, S-2	12/7/2011	2.0 - 4.0	US	11	NA	<25.0	<25.0	<25.0	<75.0	<25.0	<25.0	<25.0	NA	NA	NA
GP-5, S-6	12/7/2011	10.0 - 12.0	S	25	9.5	<25.0	547	<25.0	186	176	365	<25.0	157	36.5 ^l	165
GP-5, S-8	12/7/2011	14.0 - 16.0	S	134	<3.0	172	<25.0	<25.0	<75.0	<25.0	<25.0	<25.0	35.4 ^l	NA	NA
GP-10, S-4	12/19/2011	6.0 - 8.0	US	NA	<2.9	<25.0	<25.0	<25.0	<75.0	<25.0	<25.0	<25.0	<25.0	NA	NA
GP-10, S-5	12/19/2011	8.0 - 10.0	S	NA	<2.9	<25.0	<25.0	<25.0	<75.0	<25.0	<25.0	<25.0	<25.0	NA	NA
GP-11, S-4	12/19/2011	6.0 - 8.0	US	NA	<2.8	<25.0	<25.0	<25.0	<75.0	50.4 ^l	<25.0	<25.0	<25.0	NA	NA
GP-11, S-5	12/19/2011	8.0 - 10.0	S	NA	<2.8	<25.0	<25.0	<25.0	<75.0	<25.0	<25.0	<25.0	<25.0	NA	NA
GP-12, S-4	12/19/2011	6.0 - 8.0	US	NA	939	<312	16,300	375 ^l	132,900	75,100	30,500	<312	9,260	NA	NA
GP-12, S-5	12/19/2011	8.0 - 10.0	S	NA	365	4,350	10,200	12,700	61,400	19,000	7,380	<125	2,590	NA	NA
GP-13, S-4	12/19/2011	6.0 - 8.0	US	NA	170	364	6,020	<62.5	27,090	11,300	4,410	<62.5	1,670	NA	NA
GP-14, S-5	12/19/2011	8.0 - 10.0	S	NA	<2.8	<25.0	<25.0	<25.0	<75.0	<25.0	<25.0	<25.0	<25.0	NA	NA
GP-15, S-4	12/19/2011	6.0 - 8.0	US	NA	<2.8	<25.0	<25.0	<25.0	<75.0	<25.0	<25.0	<25.0	<25.0	NA	NA
GP-15, S-5	12/19/2011	8.0 - 10.0	S	NA	<2.8	<25.0	<25.0	<25.0	<75.0	<25.0	<25.0	<25.0	<25.0	NA	NA
MW-10/S-3	4/17/2012	5.0 - 7.0	US	0.0	<2.8	<25.0	<25.0	<25.0	<75.0	<25.0	<25.0	<25.0	<25.0	NA	NA
MW-10/S-4	4/17/2012	7.0 - 9.0	US	0.0	<2.8	<25.0	<25.0	<25.0	<75.0	<25.0	<25.0	<25.0	<25.0	NA	NA
Calculated RCLs (groundwater protection)					NS	5.1	1,570	1,107.2	3,940	1,382.1		27	658.2	NS	NS
Calculated RCLs (direct contact/non-industrial site)					NS	1,600	8,020	818,000	260,000	219,000	182,000	63,800	5,520	NS	NS
Cancer RCL					NS	1,600	8,020	NS	NS	NS	NS	63,800	5,520	NS	NS
Non-Cancer RCL					NS	106,000	4,080,000	5,240,000	818,000	373,000	339,000	22,100,000	178,000	NS	NS

Notes: All concentrations reported are in parts per billion (ug/kg) except GRO reported in parts per million (mg/kg)

All analytes not listed above were below their respective laboratory method detection limits

Calculated RCLs are from the WDNR on-line RCL spreadsheet updated January 2015

^(l) Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit

Bold value represents an exceedance of Calculated RCLs (groundwater protection)

Italic value represents an exceedance of Calculated RCLs (direct contact/non-industrial site)

bgs: below ground surface

PID: photoionization detector

ppm eq: parts per million equivalent

GRO: gasoline range organics

TMB: trimethylbenzene

MTBE: methyl tert-butyl ether

RCL: residual contaminant level

NA: not analyzed/not applicable

NS: no standard

S: Saturated

US: Unsaturated

Table A.3.
Residual Soil Contamination Table
Wegner Property (Former)
Cecil, Wisconsin

Sample ID	Sample Date	Sample Depth (feet bgs)	Saturation S/US	PID (ppm eq)	GRO	Benzene	Ethyl-benzene	Toluene	Total Xylenes	1,2,4-TMB	1,3,5-TMB	MTBE	Naphthalene	Isopropyl-benzene	n-Propyl-benzene
GP-1, S-4	12/7/2011	6.0 - 8.0	US	1,500	1,090	<1,000	49,700	<1,000	244,800	93,500	30,400	<1,000	10,200	3,570	13,400
GP-1, S-8	12/7/2011	14.0 - 16.0	S	115	5.3	3,950	269	198	393.1	<25.0	<25.0	<25.0	<25.0	NA	NA
GP-2, S-2	12/7/2011	2.0 - 4.0	US	NA	38.5	31.0^j	642	<25.0	2,674	4,560	1,630	<25.0	1,330	NA	NA
GP-2, S-4	12/7/2011	6.0 - 8.0	US	941	327	2,460	11,000	24,900	61,000	18,000	6,900	<125	2,330	NA	NA
GP-2, S-8	12/7/2011	14.0 - 16.0	S	51	5.0	4,090	79.8	226	154.2 ^j	<25.0	<25.0	<25.0	<25.0	NA	NA
GP-3, S-4	12/7/2011	6.0 - 8.0	US	246	445	<125	8,310	279 ^j	26,920	33,200	14,800	<125	5,240	NA	NA
GP-3, S-5	12/7/2011	8.0 - 10.0	S	980	283	<100	6,150	193 ^j	18,625	19,300	8,090	<100	2,940	NA	NA
GP-4, S-6	12/7/2011	10.0 - 12.0	S	974	378	1,190	7,840	717	33,810	19,000	7,850	314^j	1,980	NA	NA
GP-5, S-8	12/7/2011	14.0 - 16.0	S	134	<3.0	172	<25.0	<25.0	<75.0	<25.0	<25.0	<25.0	35.4 ^j	NA	NA
GP-12, S-4	12/19/2011	6.0 - 8.0	US	NA	939	<312	16,300	375 ^j	132,900	75,100	30,500	<312	9,260	NA	NA
GP-12, S-5	12/19/2011	8.0 - 10.0	S	NA	365	4,350	10,200	12,700	61,400	19,000	7,380	<125	2,590	NA	NA
GP-13, S-4	12/19/2011	6.0 - 8.0	US	NA	170	364	6,020	<62.5	27,090	11,300	4,410	<62.5	1,670	NA	NA
Calculated RCLs (groundwater protection)					NS	5.1	1,570	1,107.2	3,940	1,382.1		27	658.2	NS	NS
Calculated RCLs (direct contact/non-industrial site)					NS	1,600	8,020	818,000	260,000	219,000	182,000	63,800	5,520	NS	NS
Cancer RCL					NS	1,600	8,020	NS	NS	NS	NS	63,800	5,520	NS	NS
Non-Cancer RCL					NS	106,000	4,080,000	5,240,000	818,000	373,000	339,000	22,100,000	178,000	NS	NS

Notes: All concentrations reported are in parts per billion (ug/kg) except GRO reported in parts per million (mg/kg)

All analytes not listed above were below their respective laboratory method detection limits

Calculated RCLs are from the WDNR on-line RCL spreadsheet updated January 2015

^(j) Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit

Bold value represents an exceedance of Calculated RCLs (groundwater protection)

Italic value represents an exceedance of Calculated RCLs (direct contact/non-industrial site)

bgs: below ground surface

PID: photoionization detector

ppm eq: parts per million equivalent

GRO: gasoline range organics

TMB: trimethylbenzene

MTBE: methyl tert-butyl ether

RCL: residual contaminant level

NA: not analyzed/not applicable

NS: no standard

S: Saturated

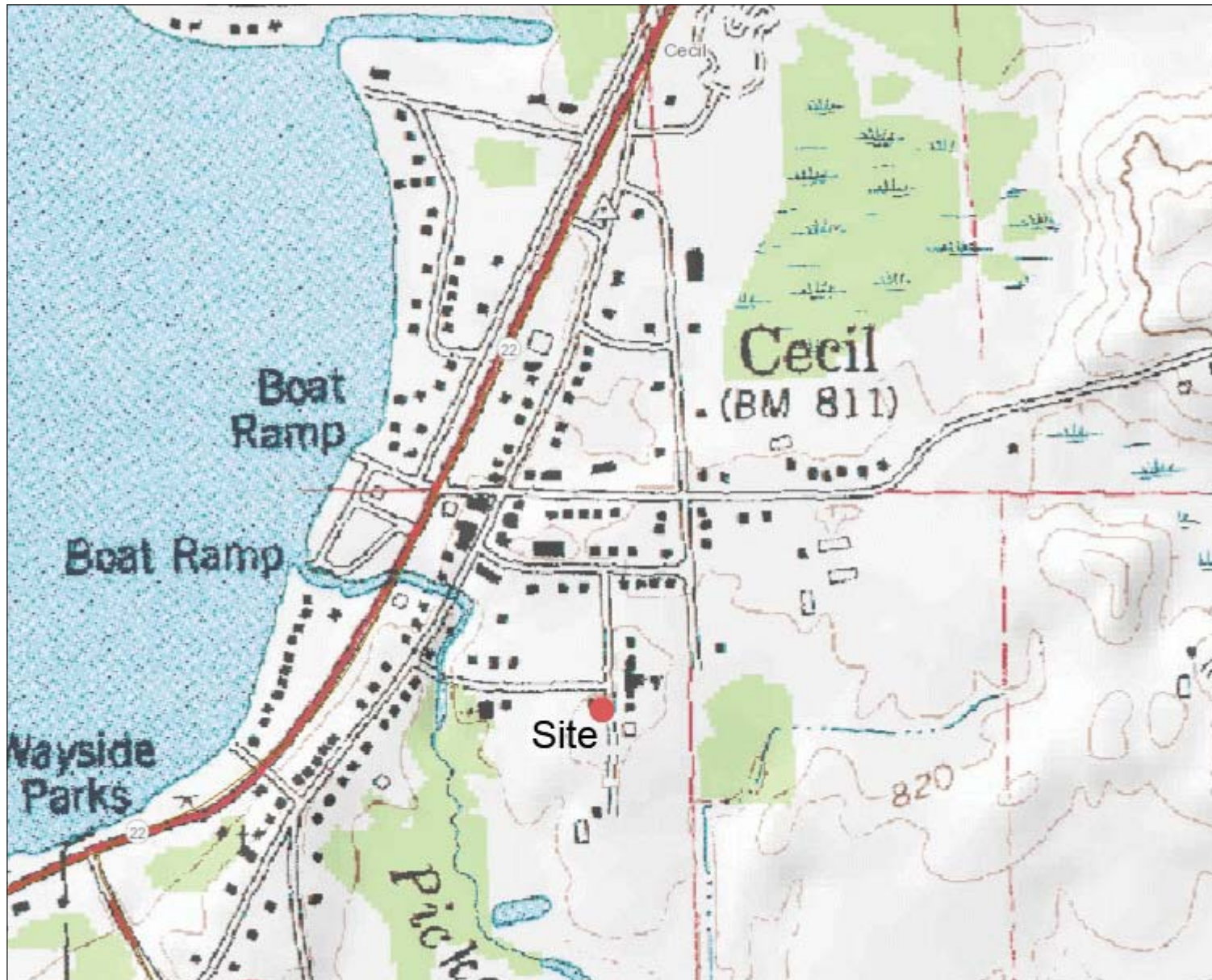
US: Unsaturated

Attachment B Table of Contents

- B.1.a. Location Map: Attached
- B.1.b. Detailed Site Map: Attached
- B.1.c. RR Sites Map: Attached
- B.2.a. Soil Contamination: Attached
- B.2.b. Residual Soil Contamination: See B.2.a, Soil Contamination Map, the Residual Soil is the same.
- B.3.a.1 Geologic Cross-Section A-A': Attached
- B.3.a.2 Geologic Cross-Section B-B': Attached
- B.3.b. Groundwater Isoconcentration: Attached
- B.3.c.1 Groundwater Flow Direction 2/25/2014: Attached
- B.3.c.2 Groundwater Flow Direction 8/27/2012: Attached
- B.3.d. Monitoring Wells: See Note on B.1.b and B.3.b: All wells are present and will be abandoned at point of closure
- B.4.a. Vapor Intrusion Map: Not included, not applicable. No Vapor Assessment Conducted (See section 3.D.i in 4400-202)
- B.4.b. Other Media of Concern: Not included, not applicable. No other media of concern.
- B.4.c. Other: Not included, not applicable. No other attachments
- B.5. Structural Impediment: Not included, not applicable. No structural impediment present (see 4400-202 3.A.iii)



B.1.a Location Map



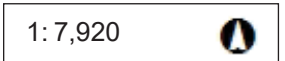
Legend

Notes



NAD_1983_HARN_Wisconsin_TM

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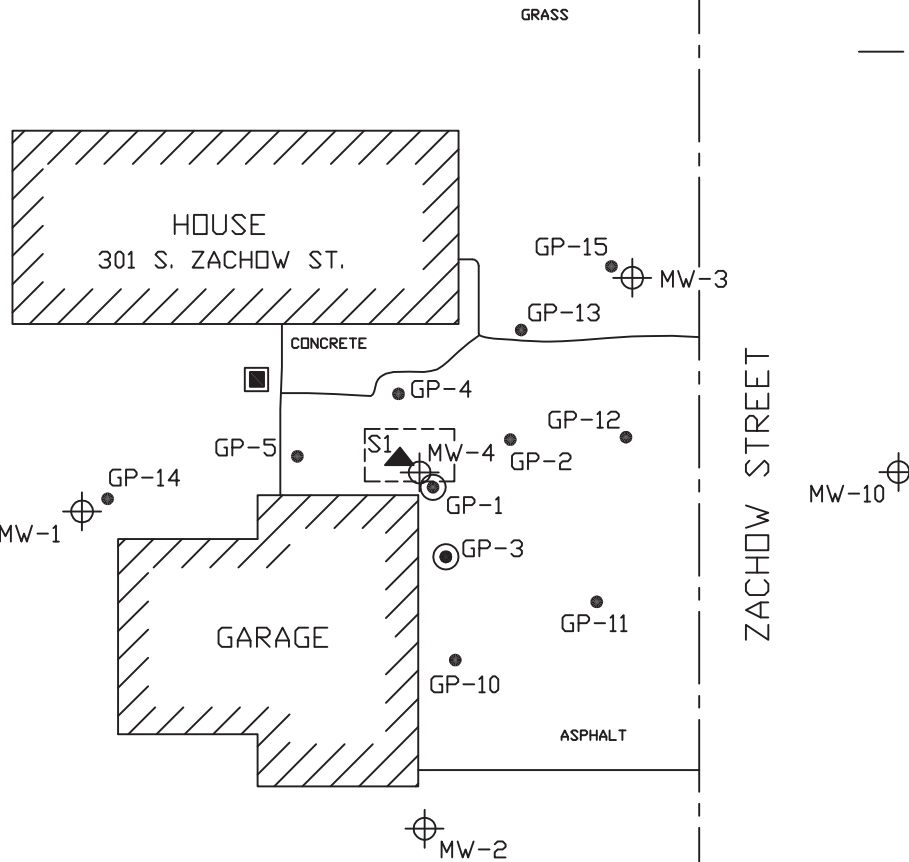
DISCLAIMER: The information shown on these maps has been obtained from various sources, and are of varying age, reliability and resolution. These maps are not intended to be used for navigation or public access. No warranty, expressed or implied, is made regarding accuracy, applicability for a particular use, completeness, or legality of the information depicted on this map. For more information, see the DNR Legal Notices web page: <http://dnr.wi.gov/org/legal/>

Note: Not all sites are mapped.










E. JAMES STREET

PIN: 111501000290



LEGEND

-  SITE ASSESSMENT SOIL SAMPLE (S1)
-  APPROXIMATE PROPERTY LINE
-  GEOPROBE SOIL BORING
-  GEOPROBE W/TEMP WELL
-  POTABLE WELL
-  FORMER UST BASIN
-  MONITORING WELL

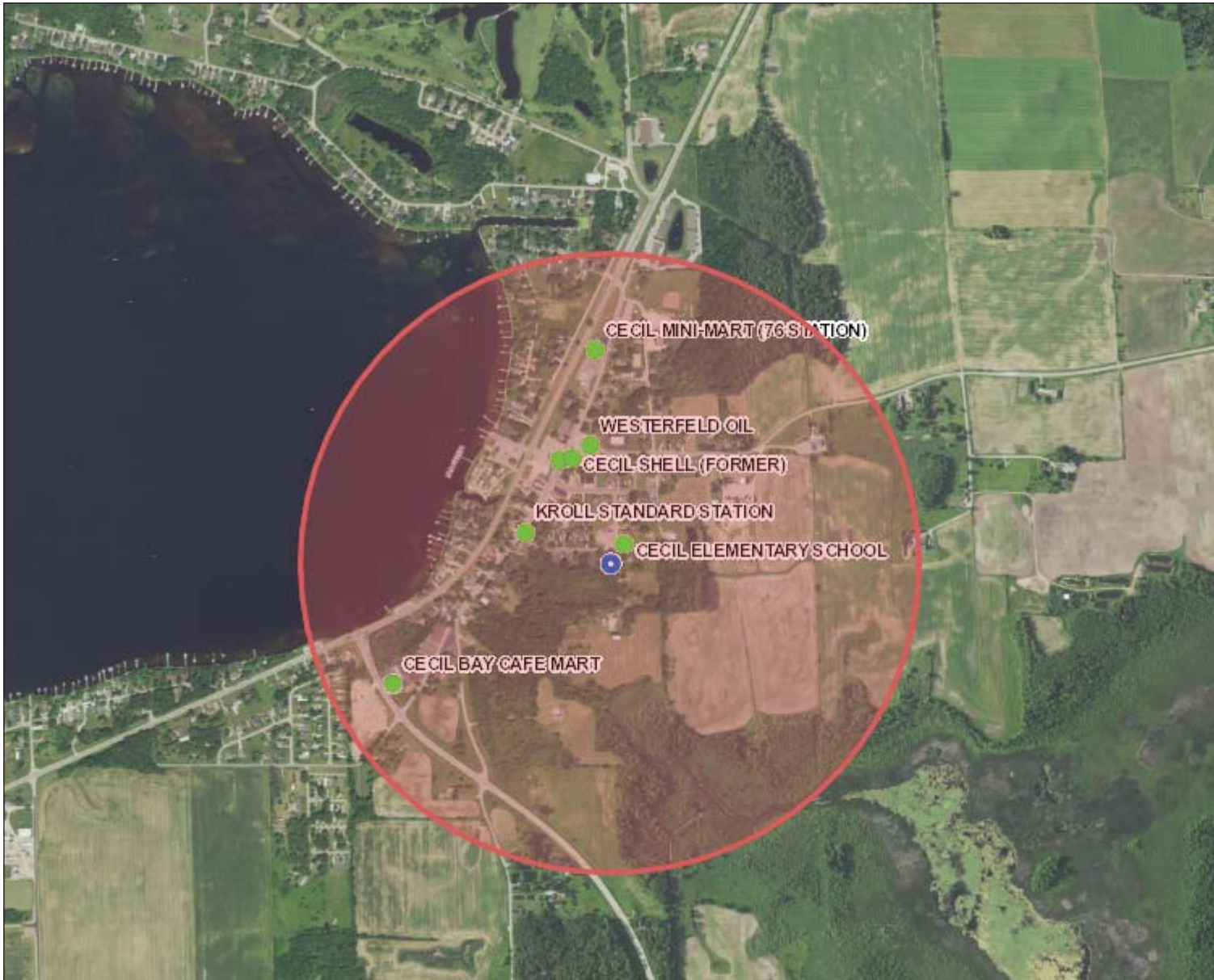
NOTE: ALL MONITORING WELLS HAVE BEEN LOCATED AND WILL BE ABANDONED AT THE POINT OF CLOSURE

FIGURE B.1.b
DETAILED SITE MAP
WEGNER PROPERTY (FORMER)
CECIL, WISCONSIN

SCALE	SHEET NO.	DWG NO.	DATE	SIZE	DRWN BY	FILE	REVISED	APP'D
1' = 30'	1 OF 1	P101397.40.B.1.b	8/4/17	A	320	320	11/17	SVD



B.1.c RR Sites Map



Legend

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



NAD_1983_HARN_Wisconsin_TM

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1: 15,840



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

Note: Not all sites are mapped.

Notes

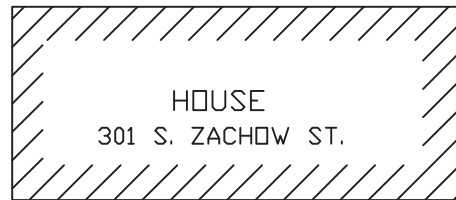


2280-B SALSCHIEDER COURT, GREEN BAY, WI 54313

E. JAMES STREET

PIN: 111501000290

GRASS



HOUSE
301 S. ZACHOW ST.

ZACHOW STREET

CONCRETE



GP-4

GAS GAS

GAS

SS

GP-5

S1

MW-4

GP-2

GP-1

GP-3

GP-11

GP-10

ASPHALT

GP-14

MW-1

GARAGE

GRASS

MW-2

MW-10

U-TEL

LEGEND













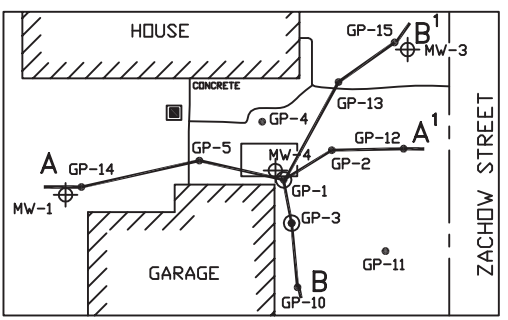
-  SITE ASSESSMENT SOIL SAMPLE (S1)
-  APPROXIMATE PROPERTY LINE
-  GEOPROBE SOIL BORING
-  GEOPROBE W/TEMP WELL
-  POTABLE WELL
-  FORMER UST BASIN
-  MONITORING WELL
-  EXTENT OF SOIL CONTAMINATION EXCEEDING SOIL TO GROUNDWATER PATHWAY RCLs
-  UNDERGROUND ELECTRIC
-  UNDERGROUND TELEPHONE
-  UNDERGROUND GAS
-  SANITARY SEWER











FIGURE B.2.a
SOIL CONTAMINATION
WEGNER PROPERTY (FORMER)
CECIL, WISCONSIN

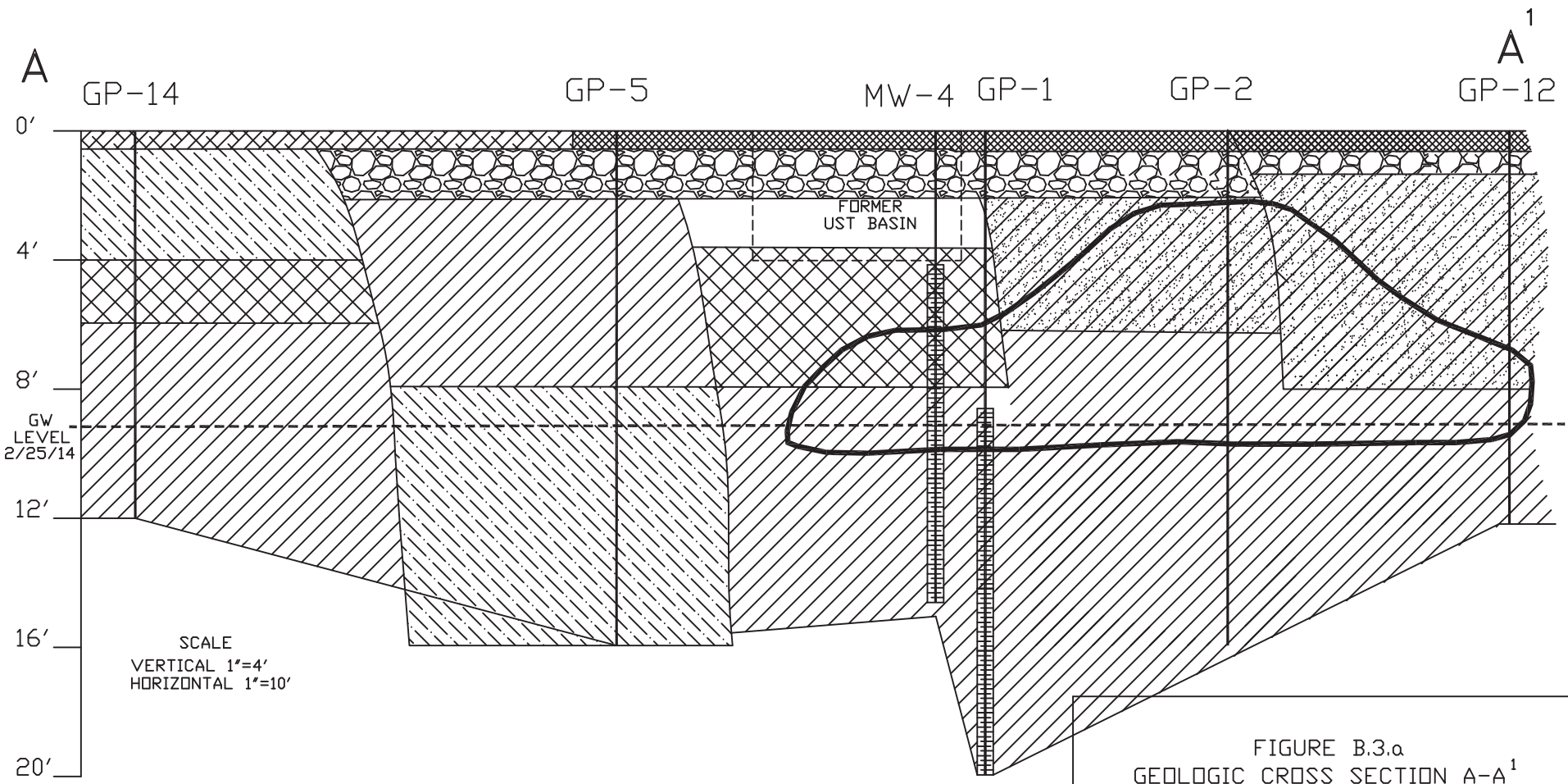
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1" = 30'	1 OF 1	P101397.40.B.2.a	8/4/17	A	SVD	320		



SECTION DETAIL

LEGEND

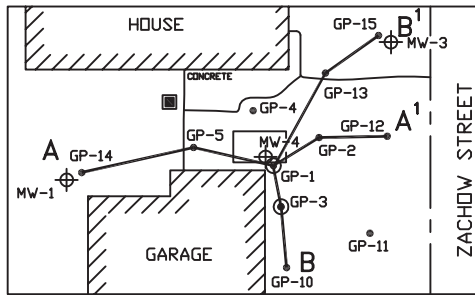
	GRAVEL		TOP SOIL
	SILTY SAND		MEDIUM SAND
	SANDY LOAM		LOAMY SILT
	ASPHALT		EXTENT OF SOIL CONTAMINATION EXCEEDING RCLs
	LOAMY CLAY		WELL SCREEN



SCALE
VERTICAL 1"=4'
HORIZONTAL 1"=10'

FIGURE B.3.a
GEOLOGIC CROSS SECTION A-A'
WEGNER PROPERTY (FORMER)
CECIL, WISCONSIN

SCALE	SHEET NO.	DWG NO.	DATE	SIZE	DRWN BY	FILE	REVISED	DATE
SEE NOTE	1 OF 1	P101397.40.B.3.a	8/4/17	A	SVD	320		



SECTION DETAIL

LEGEND

- GRAVEL
- TOP SOIL
- SANDY LOAM
- ASPHALT
- LOAMY CLAY
- MEDIUM SAND
- LOAMY SILT
- EXTENT OF SOIL CONTAMINATION EXCEEDING RCLs
- WELL SCREEN

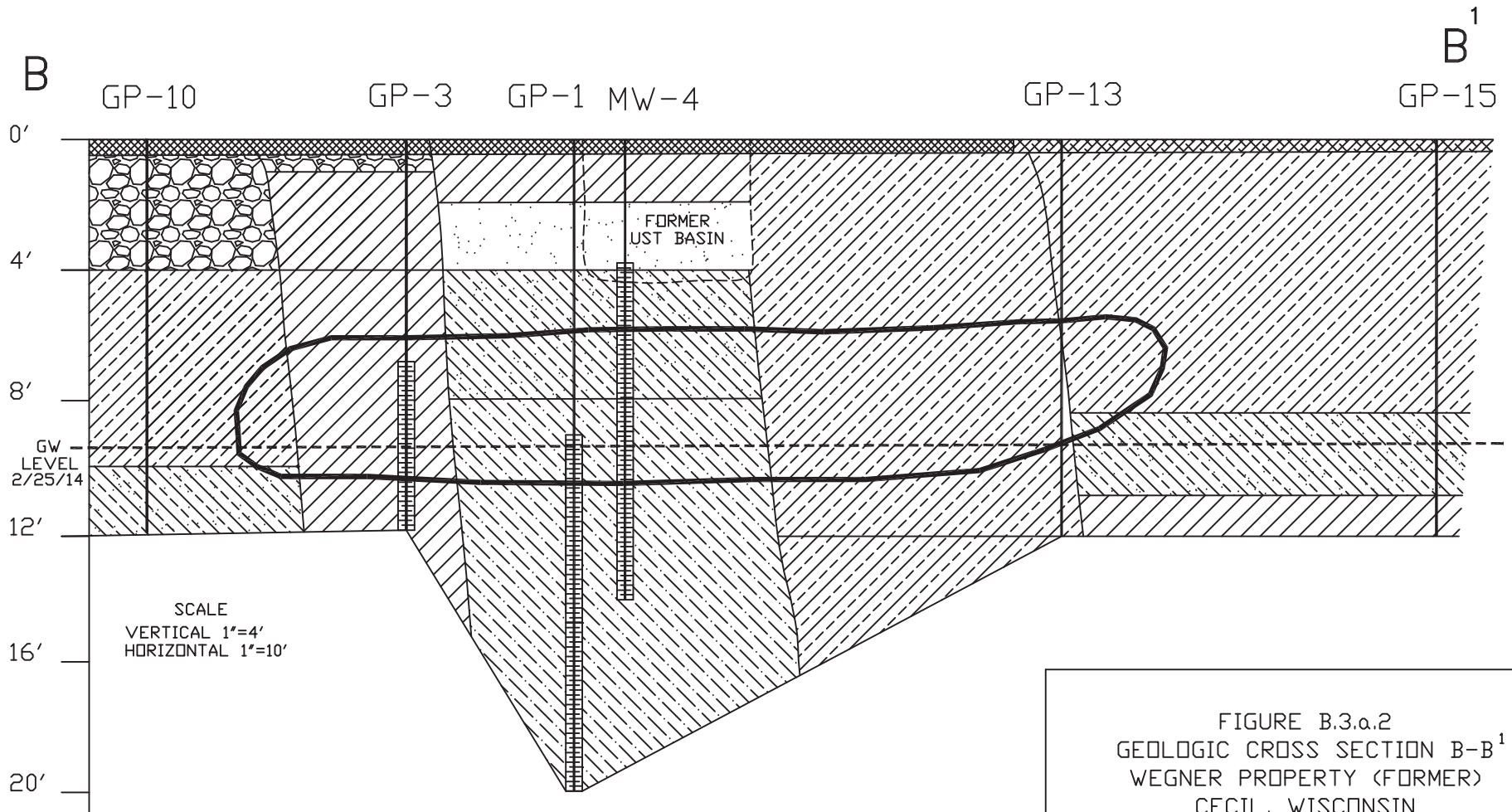


FIGURE B.3.a.2
GEOLOGIC CROSS SECTION B-B¹
WEGNER PROPERTY (FORMER)
CECIL, WISCONSIN

SCALE	SHEET NO.	DWG NO.	DATE	SIZE	DRWN BY	FILE	REVISED	DATE
SEE NOTE	1 OF 1	P101397.40.B.3.a.2	8/4/17	A	SVD	320		

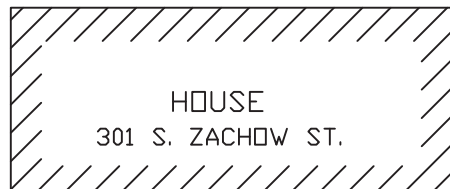


2280-B SALSCHIEDER COURT, GREEN BAY, WI 54313

E. JAMES STREET

PIN: 111501000290

GRASS



HOUSE
301 S. ZACHOW ST.

CONCRETE

GARAGE

GRASS

GRASS

ZACHOW STREET

9/30/14
FLOW

LEGEND

- SITE ASSESSMENT
- SOIL SAMPLE
- APPROXIMATE PROPERTY LINE
- GEOPROBE
- SOIL BORING
- GEOPROBE W/TEMP WELL
- POTABLE WELL
- FORMER UST BASIN
- MONITORING WELL
- EXTENT OF GROUNDWATER CONTAMINATION EXCEEDING NR 140 ESs
- UNDERGROUND ELECTRIC
- UNDERGROUND TELEPHONE
- UNDERGROUND GAS
- SANITARY SEWER
- EXTENT OF GROUNDWATER CONTAMINATION EXCEEDING NR 140 PALS

NOTE: ALL MONITORING WELLS HAVE BEEN LOCATED AND WILL BE ABANDONED AT POINT OF CLOSURE.

FIGURE B.3.b
GROUNDWATER ISOCONCENTRATION
WEGNER PROPERTY (FORMER)
CECIL, WISCONSIN

SCALE	SHEET NO.	DWG NO.	DATE	SIZE	DRWN BY	FILE	REVISED	APP'D
1' = 30'	1 OF 1	P101397.40.B.3.b	8/4/17	A	320	320	11/17	SVD

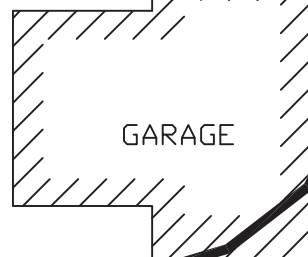


E. JAMES STREET

PIN: 111501000290

GRASS

ZACHOW STREET



GRASS

813.50

MW-1
(813.56)

MW-4
(813.15)

MW-3
(814.00)

MW-10
(814.35)

814.00

MW-2
(814.22)

814.50

ASPHALT

LEGEND

- APPROXIMATE PROPERTY LINE
- POTABLE WELL
- FORMER UST BASIN
- ⊕ MONITORING WELL
- ~ POTENTIOMETRIC SURFACE CONTOUR IN FEET ABOVE MEAN SEA LEVEL
- ➔ FLOW DIRECTION
- (813.35) WATER TABLE ELEVATION
- UE — UNDERGROUND ELECTRIC
- U-TEL — UNDERGROUND TELEPHONE
- GAS — UNDERGROUND GAS
- SS — SANITARY SEWER

FIGURE B.3.c.1
GROUNDWATER FLOW DIRECTION
2/25/2014
WEGNER PROPERTY (FORMER)
CECIL, WISCONSIN

SCALE	SHEET NO.	DWG NO.	DATE	SIZE	DRWN BY	FILE	REVISED	APP'D
1' = 30'	1 OF 1	P101397.40.B.3.c.1	8/4/17	A	SVD	320		



E. JAMES STREET

PIN: 111501000290

GRASS

ZACHOW STREET

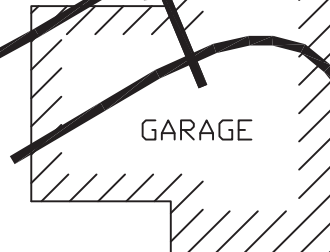


MW-1
(815.04)

MW-4
(815.60)

MW-10
(814.35)

MW-2
(816.47)



LEGEND

- APPROXIMATE PROPERTY LINE
- POTABLE WELL
- FORMER UST BASIN
- ⊕ MONITORING WELL
- POTENTIOMETRIC SURFACE CONTOUR IN FEET ABOVE MEAN SEA LEVEL
- ↗ FLOW DIRECTION
- (813.35) WATER TABLE ELEVATION
- UE — UE — UNDERGROUND ELECTRIC
- U-TEL — UNDERGROUND TELEPHONE
- GAS — UNDERGROUND GAS
- SS — SANITARY SEWER

814.50

815.00

815.50

816.00

FIGURE B.3.c.2
GROUNDWATER FLOW DIRECTION
8/27/2012
WEGNER PROPERTY (FORMER)
CECIL, WISCONSIN

SCALE	SHEET NO.	DWG NO.	DATE	SIZE	DRWN BY	FILE	REVISED	APP'D
1' = 30'	1 OF 1	P101397.40.B.3.c.2	8/4/17	A	SVD	320		

Attachment C Table of Contents

- C.1. Site Investigation Documentation: None included. All documentation has been previously submitted
- C.2. Investigative Waste: All documentation has been previously submitted
- C.3. Description of Methodology: Not applicable. Generic RCLs utilized.
- C.4. Construction Documentation: Not applicable.
- C.5. Decommissioning of Remedial Systems: Not Applicable
- C.6. Other: Not Applicable

Attachment D Table of Contents

- D.1 Descriptions of maintenance actions required for maximizing effectiveness of the engineered control, vapor mitigation system, feature or other action for which maintenance is required:
Attached
- D.2 Location map: Attached
- D.3 Photographs: Attached
- D.4 Inspection Log: Attached

COVER or BARRIER MAINTENANCE PLAN
(to be included in Form 4400-202, as Attachment D)

August 9, 2017

Property Located at:

301 S Zachow Street
Cecil, WI 54111

DNR BRRTS # 03-59-252763
DNR FID # 459033190

VIL OF CECIL FREBORNS 2ND ADD LOTS 1-2 & 3 BLK 3 SEC 20 T27N R17E
PIN: 111501000290

Introduction

This document is the Maintenance Plan for a concrete/asphalt cap at the above-referenced property in accordance with the requirements of s. NR 724.13 (2), Wis. Adm. Code. The maintenance activities relate to the existing concrete/asphalt which addresses or occupies the area over the contaminated soil and groundwater plume. Note: the garage floor is constructed of concrete.

More site-specific information about this property/site may be found in:

- The case file in the DNR NER office
- At <http://dnr.wi.gov/topic/Brownfields/wrrd.html>, which includes:
 - BRRTS on the Web (DNR's internet based data base of contaminated sites)for the link to a PDF for site-specific information at the time of closure and on continuing obligations;
 - RR Sites Map for a map view of the site, and
- The DNR project manager for Shawano County.

D.1. Descriptions:

(Form 4400-202, Attachment D, Part D1. – brief description of the type, depth and location of residual contamination, description of the system/cover/barrier to be maintained, and its location on the site, maintenance activities, and contact information.)

Description of Contamination

Soil contaminated by petroleum is located at a depth of 2-9 feet at soil probe locations GP-1, GP-2, GP-3, GP-12 and GP-13 (the area surrounding the former UST system). Groundwater contaminated by petroleum is located at a depth of 2 to 10 bgs. The extent of the soil and groundwater contamination is shown on the attached maps, B.2.a Soil Contamination and B.3.b Groundwater Isoconcentration.

Description of the [Cover/Barrier] to be Maintained

The cap consists of approximately 4-6 inches of concrete and asphalt. It is located in the area surrounding the former 300 gallon gasoline UST system as shown on the attached map, D.2

Cover/Building/Slab/Barrier Purpose

The concrete and asphalt, as well as, the northeast corner of the garage over the contaminated soil and groundwater plume serve as a partial infiltration barrier to minimize future soil-to-groundwater contamination migration that would violate the groundwater standards in ch. NR 140, Wisconsin Administrative Code. Based on the current use of the property, residential, the barrier should function as intended unless disturbed.

Annual Inspection

The concrete and asphalt, as well as, the roof and garage foundation overlying the soil and groundwater plume and as depicted in Figure D.2 will be inspected once a year, normally in the spring after all snow and ice is gone, for deterioration, cracks and other potential problems that can cause additional infiltration into underlying soils. The inspections will be performed by the property owner or their designated representative. The inspections will be performed to evaluate damage due to settling, exposure to the weather, wear from traffic, increasing age and other factors. Any area where soils have become or are likely to become exposed and where infiltration from the surface will not be effectively minimized will be documented.

A log of the inspections and any repairs will be maintained by the property owner and is included as D.4, Form 4400-305, Continuing Obligations Inspection and Maintenance Log. The log will include recommendations for necessary repair of any areas where underlying soils are exposed and where infiltration from the surface will not be effectively minimized. Once repairs are completed, they will be documented in the inspection log. A copy of the maintenance plan and inspection log will be kept at the site; or, if there is no acceptable place (for example, no building is present) to keep it at the site, at the address of the property owner and available for submittal or inspection by Wisconsin Department of Natural Resources (DNR) representatives upon their request.

[Note: *The DNR may, in some instances, require in the case closure letter that the inspection log be submitted at least annually after every inspection. If the case closure letter requires that, then add the following sentence to the paragraph above: A copy of the inspection log must be submitted electronically to the DNR after every inspection, at least annually.*]

Maintenance Activities

(Form 4400-202, Attachment D, Part D1. – Description of Maintenance Actions required for maximizing effectiveness of the cover/barrier/engineered control, feature or other action for which maintenance is required.)

If problems are noted during the annual inspections or at any other time during the year, repairs will be scheduled as soon as practical. Repairs can include patching and filling or larger resurfacing or construction operations. In the event that necessary maintenance activities expose the underlying soil, the owner must inform maintenance workers of the direct contact exposure hazard and provide them with appropriate personal protection equipment (PPE). The owner must also sample any soil that is excavated from the site prior to disposal to ascertain if contamination remains. The soil must be treated, stored and disposed of by the owner in accordance with applicable local, state and federal law.

In the event the concrete or asphalt overlying the contaminated soil and groundwater plume are removed or replaced, the replacement barrier must be equally impervious. Any replacement barrier will be subject to the same maintenance and inspection guidelines as outlined in this Maintenance Plan unless indicated otherwise by the DNR or its successor.

The property owner, in order to maintain the integrity of the concrete and asphalt, will maintain a copy of this

Maintenance Plan at the site; or, if there is no acceptable place to keep it at the site (for example, no building is present), at the address of the property owner and make it available to all interested parties (i.e. on-site employees, contractors, future property owners, etc.) for viewing.

Prohibition of Activities and Notification of DNR Prior to Actions Affecting a Cover/Barrier

The following activities are prohibited on any portion of the property where [pavement, a building foundation, soil cover, engineered cap or other barrier] is required as shown on the attached map, unless prior written approval has been obtained from the Wisconsin Department of Natural Resources: 1) removal of the existing barrier; 2) replacement with another barrier; 3) excavating or grading of the land surface; 4) filling on capped or paved areas; 5) plowing for agricultural cultivation; or 6) construction or placement of a building or other structure.

If removal, replacement or other changes to a cover, or a building which is acting as a cover, are considered, the property owner will contact DNR at least 45 days before taking such an action, to determine whether further action may be necessary to protect human health, safety, or welfare or the environment, in accordance with s. NR 727.07, Wis. Adm. Code.

Amendment or Withdrawal of Maintenance Plan


This Maintenance Plan can be amended or withdrawn by the property owner and its successors with the written approval of DNR.

Contact Information

(Form 4400-202, Attachment D, Part 1.) Contact Information, including the name, address and phone number of the individual or facility who will be conducting the maintenance.)

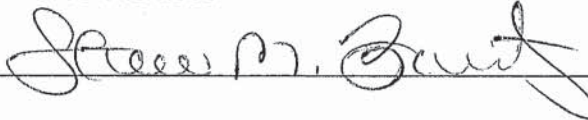
August 2017

Site Owner and Operator: Steven Bartz
301 S Zachow Street
Cecil, WI 54111
715-745-2380

Signature: 

(DNR may request signature of affected property owners, on a case-by-case basis)

Property Owner: Steven Bartz
301 S Zachow Street
Cecil, WI 54111
715-745-2380

Signature: 

Consultant: Joseph Ramcheck
Endeavor Environmental
2280-B Salscheider Court
Green Bay, WI 54313
920-437-2997

DNR: Thomas Verstegen
625 E County Rd Y, Suite 700
Oshkosh, WI 54901
920-424-0025

D.2 Location Map(s)

Include a location map which shows:

- (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 of Cover/Barrier

Include one or more photographs documenting the condition and extent of the cover/barrier/building/slab at the time of the closure request. Pertinent features must be visible and discernible. Include a title on each photograph, which identifies the site name and location of the feature, and the date on which the photograph was taken.

D.4 Continuing Obligations Inspection and Maintenance Log

Use DNR Fillable Form Form 4400-305

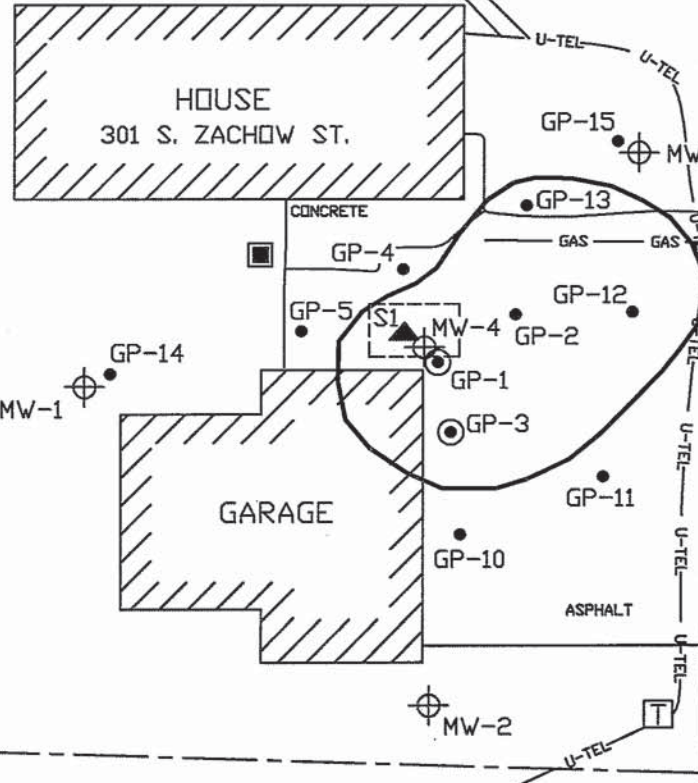


2280-B SALSCHIEDER COURT, GREEN BAY, WI 54313

E. JAMES STREET

PIN: 111501000290

GRASS



ZACHOW STREET

LEGEND

- SITE ASSESSMENT
- SOIL SAMPLE (S1)
- APPROXIMATE PROPERTY LINE
- GEOPROBE
- SOIL BORING
- GEOPROBE W/TEMP WELL
- POTABLE WELL
- FORMER UST BASIN
- MONITORING WELL
- EXTENT OF SOIL CONTAMINATION EXCEEDING SOIL TO GROUNDWATER PATHWAY RCLs
- UNDERGROUND ELECTRIC
- UNDERGROUND TELEPHONE
- UNDERGROUND GAS
- SANITARY SEWER

FIGURE B.2.a
SOIL CONTAMINATION
WEGNER PROPERTY (FORMER)
CECIL, WISCONSIN

SCALE	SHEET NO.	DWG NO.	DATE	SIZE	DRWN BY	FILE	REVISED	DATE
1" = 30'	1 OF 1	PI01397.40.B.2.a	8/4/17	A	SVD	320		

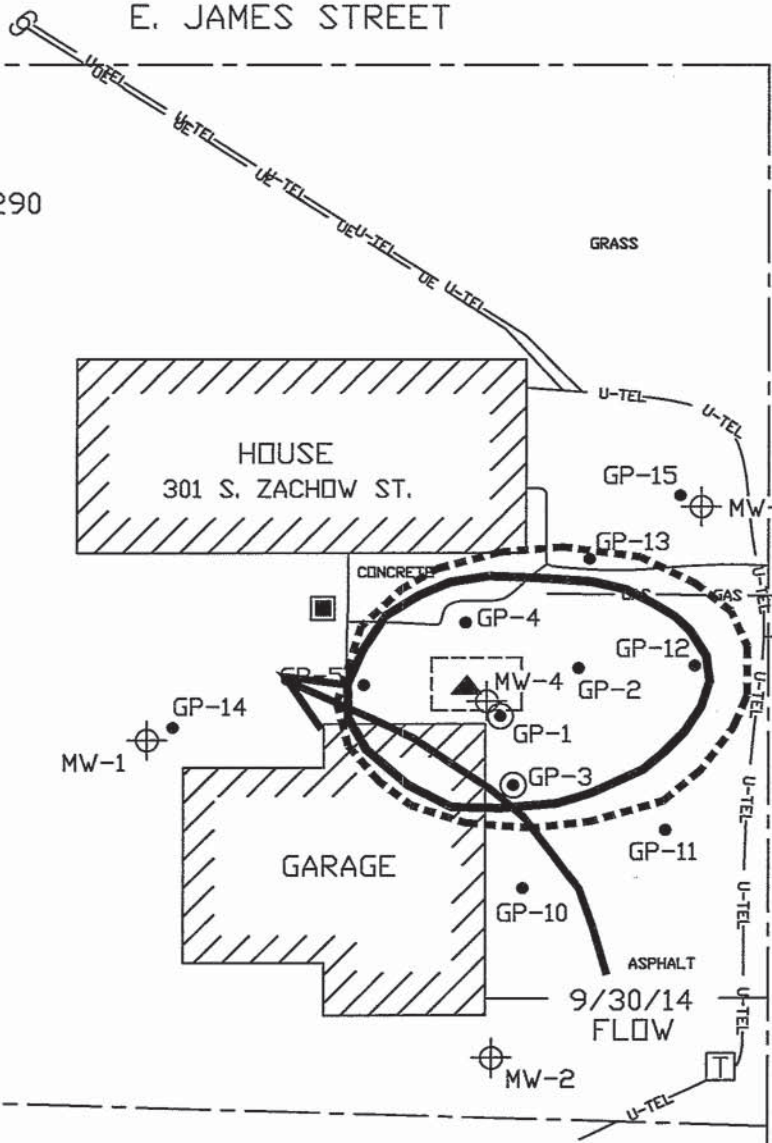
D.L.



2280-B SALSCHIEDER COURT, GREEN BAY, WI 54313

E. JAMES STREET

PIN: 111501000290



LEGEND

- SITE ASSESSMENT
- APPROXIMATE PROPERTY LINE
- GEOPROBE
- SOIL BORING
- GEOPROBE W/TEMP WELL
- POTABLE WELL
- FORMER UST BASIN
- MONITORING WELL
- EXTENT OF GROUNDWATER CONTAMINATION EXCEEDING NR 140 ESs
- UNDERGROUND ELECTRIC
- UNDERGROUND TELEPHONE
- UNDERGROUND GAS
- SANITARY SEWER
- EXTENT OF GROUNDWATER CONTAMINATION EXCEEDING NR 140 PALS

NOTE: ALL MONITORING WELLS HAVE BEEN LOCATED AND WILL BE ABANDONED AT POINT OF CLOSURE.

FIGURE B.3.b
GROUNDWATER ISOCONCENTRATION
WEGNER PROPERTY (FORMER)
CECIL, WISCONSIN

SCALE	SHEET NO.	DWG NO.	DATE	SIZE	DRWN BY	FILE	REVISED	APP'D
1" = 30'	1 OF 1	P101397.40.B.3.b	8/4/17	A	320	320	11/17	SVI

D.I.



E. JAMES STREET

PIN: 111501000290

CAP MAINTENANCE
LOCATION

HOUSE
301 S. ZACHOW ST.

GARAGE

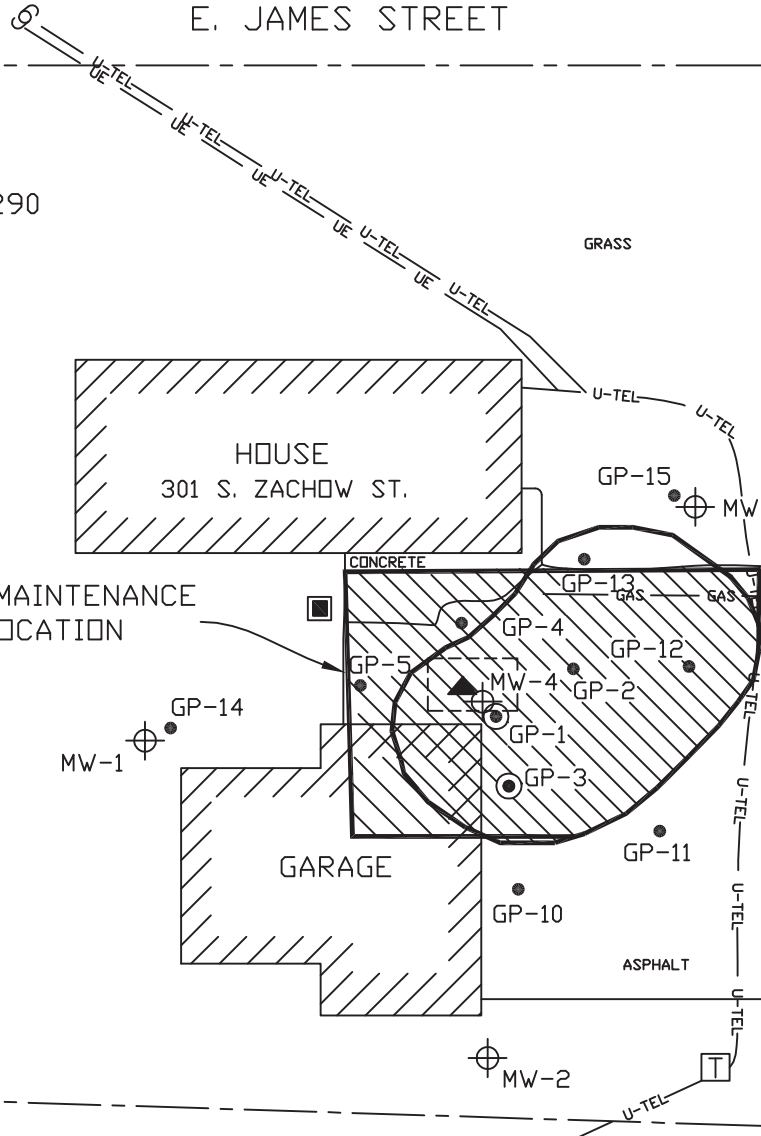
GRASS

GRASS

ASPHALT

CONCRETE

ZACHOW STREET



LEGEND

- SITE ASSESSMENT
- SOIL SAMPLE
- APPROXIMATE PROPERTY LINE
- GEOPROBE
- SOIL BORING
- GEOPROBE W/TEMP WELL
- POTABLE WELL
- FORMER UST BASIN
- MONITORING WELL
- EXTENT OF SOIL CONTAMINATION EXCEEDING CALCULATED RCLs COVERED BY CAP.
- UNDERGROUND ELECTRIC
- UNDERGROUND TELEPHONE
- UNDERGROUND GAS
- SANITARY SEWER

FIGURE D.2.
LOCATION MAP
WEGNER PROPERTY (FORMER)
CECIL, WISCONSIN

SCALE	SHEET NO.	DWG NO.	DATE	SIZE	DRWN BY	FILE	REVISED	DATE
1" = 30'	1 OF 1	P101397.40.D.2.	8/4/17	A	SVD	320	SVI	11/17

D.3. Photographs



Photo 1: Cap area looking east to west



Photo 2: Cap area looking north to south

Directions: In accordance with s. NR 727.05 (1) (b) 3., Wis. Adm. Code, use of this form for documenting the inspections and maintenance of certain continuing obligations is required. 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.]. When using this form, identify the condition that is being inspected. See the closure approval letter for this site for requirements regarding the submittal of this form to the Department of Natural Resources. A copy of this inspection log is required to be maintained either on the property, or at a location specified in the closure approval letter. Do NOT delete previous inspection results. This form was developed to provide a continuous history of site inspection results. The Department of Natural Resources project manager is identified in the closure letter. The project manager may also be identified from the database, BRRTS on the Web, at <http://dnr.wi.gov/botw/SetUpBasicSearchForm.do>, by searching for the site using the BRRTS ID number, and then looking in the "Who" section.

Activity (Site) Name Wegner Property	BRRTS No. 03-59-252763
--	----------------------------------

Inspections are required to be conducted (see closure approval letter):

annually
 semi-annually
 other – specify _____

When submittal of this form is required, submit the form electronically to the DNR project manager. An electronic version of this filled out form, or a scanned version may be sent to the following email address (see closure approval letter):

Inspection Date	Inspector Name	Item	Describe the condition of the item that is being inspected	Recommendations for repair or maintenance	Previous recommendations implemented?	Photographs taken and attached?
		<input type="checkbox"/> monitoring well <input type="checkbox"/> cover/barrier <input type="checkbox"/> vapor mitigation system <input type="checkbox"/> other:			<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N
		<input type="checkbox"/> monitoring well <input type="checkbox"/> cover/barrier <input type="checkbox"/> vapor mitigation system <input type="checkbox"/> other:			<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N
		<input type="checkbox"/> monitoring well <input type="checkbox"/> cover/barrier <input type="checkbox"/> vapor mitigation system <input type="checkbox"/> other:			<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N
		<input type="checkbox"/> monitoring well <input type="checkbox"/> cover/barrier <input type="checkbox"/> vapor mitigation system <input type="checkbox"/> other:			<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N
		<input type="checkbox"/> monitoring well <input type="checkbox"/> cover/barrier <input type="checkbox"/> vapor mitigation system <input type="checkbox"/> other:			<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N
		<input type="checkbox"/> monitoring well <input type="checkbox"/> cover/barrier <input type="checkbox"/> vapor mitigation system <input type="checkbox"/> other:			<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N

{Click to Add/Edit Image}

Date added: 11/28/2017



Title: View of cap area looking east to west (taken 9/12/2017)

{Click to Add/Edit Image}

Date added: 11/28/2017



Title: View of cap area looking north to south (taken 9/12/2017)

Attachment E Table of Contents

All monitoring wells have been located and will be properly abandoned.

Attachment F Table of Contents

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

F.1

532737

Warranty Deed

REGISTERS OFFICE
SHAWANO COUNTY, WISCONSIN

Received for Record this 2nd
day of June A.D. 2000 at 3:35
o'clock P M. AND Recorded in Vol. 942
of Records Pages 986
Maura Replein Register
REGISTERS OFFICE

This Deed, made between Troy W. Wegner and Anita L. Wegner f/k/a Anita L. Letter, husband and wife as tenants in common each with an undivided one-half interest, Grantor(s) and Steven M. Bartz, Grantee(s),

WITNESSETH, That the said Grantor(s), for a valuable

consideration conveys to Grantee(s) the following described real estate in Shawano County, State of Wisconsin:

Lots 1, 2 and 3 in Block 3 of Freeborn's Second Addition to the Village of Cecil, Shawano County, Wisconsin, according to the recorded plat thereof.

THIS SPACE RESERVED FOR RECORDING DATA

NAME AND RETURN ADDRESS

111-50100-0290

PARCEL IDENTIFICATION NUMBER

TRANSFER
\$ 186.00
FEE

This is (is not) homestead property.

Together with all and singular the hereditaments and appurtenances thereunto belonging; And above named grantors warrant that the title is good, indefeasible in fee simple and free and clear of encumbrances except any easements, restrictions and reservations of record, municipal and zoning ordinances, and will warrant and defend same.

Dated: 20 day of April, 2000.

_____(SEAL)

* Troy W. Wegner (SEAL)
Troy W. Wegner

_____(SEAL)

* Anita L. Wegner (SEAL)
Anita L. Wegner f/k/a Anita L. Letter

AUTHENTICATION

ACKNOWLEDGMENT

Signature(s) authenticated:

State of Wisconsin,)
) SS.
Shawano County,)

TITLE: MEMBER STATE BAR OF WISCONSIN

Personally came before me on April 20, 2000
the above named Troy W. Wegner and Anita L. Wegner f/k/a Anita L. Letter, husband and wife, as tenants in common each with an undivided one-half interest, to be known as the person(s) who executed the foregoing instrument and acknowledged the same.

THIS INSTRUMENT WAS DRAFTED BY:

Jill E. Grosskrentz
Jill E. Grosskrentz (type or print)
Notary Public, Shawano County, Wisconsin.
My commission is permanent. (If not, state expiration date:
July 28, 2002

SHAWANO REGISTER TITLE 12.00
13.00 if

F.1

532737
Warranty Deed

This Deed, made between Troy W. Wegner and Anita L. Wegner f/k/a Anita L. Letter, husband and wife as tenants in common each with an undivided one-half interest, Grantor(s) and Steven M. Bartz, Grantee(s),

WITNESSETH, That the said Grantor(s), for a valuable

consideration conveys to Grantee(s) the following described real estate in Shawano County, State of Wisconsin:

Lots 1, 2 and 3 in Block 3 of Freeborn's Second Addition to the Village of Cecil, Shawano County, Wisconsin, according to the recorded plat thereof.

REGISTERS OFFICE
SHAWANO COUNTY, WI SS
Received for Record this 2nd
day of June A.D. 2000 at 3:35
o'clock P M. AND Recorded in Vol. 942
of Records Pages 986
Maura Replein Register
REGISTERS OFFICE

THIS SPACE RESERVED FOR RECORDING DATA

NAME AND RETURN ADDRESS

111-50100-0290

PARCEL IDENTIFICATION NUMBER

TRANSFER
\$ 186.00
FEE

This is (is not) homestead property.

Together with all and singular the hereditaments and appurtenances thereunto belonging; And above named grantors warrant that the title is good, indefeasible in fee simple and free and clear of encumbrances except any easements, restrictions and reservations of record, municipal and zoning ordinances, and will warrant and defend same.

Dated: 20 day of April, 2000.

_____(SEAL) * Troy W. Wegner (SEAL)
Troy W. Wegner
_____(SEAL) * Anita L. Wegner (SEAL)
Anita L. Wegner f/k/a Anita L. Letter

AUTHENTICATION

Signature(s) authenticated:

TITLE: MEMBER STATE BAR OF WISCONSIN

THIS INSTRUMENT WAS DRAFTED BY:

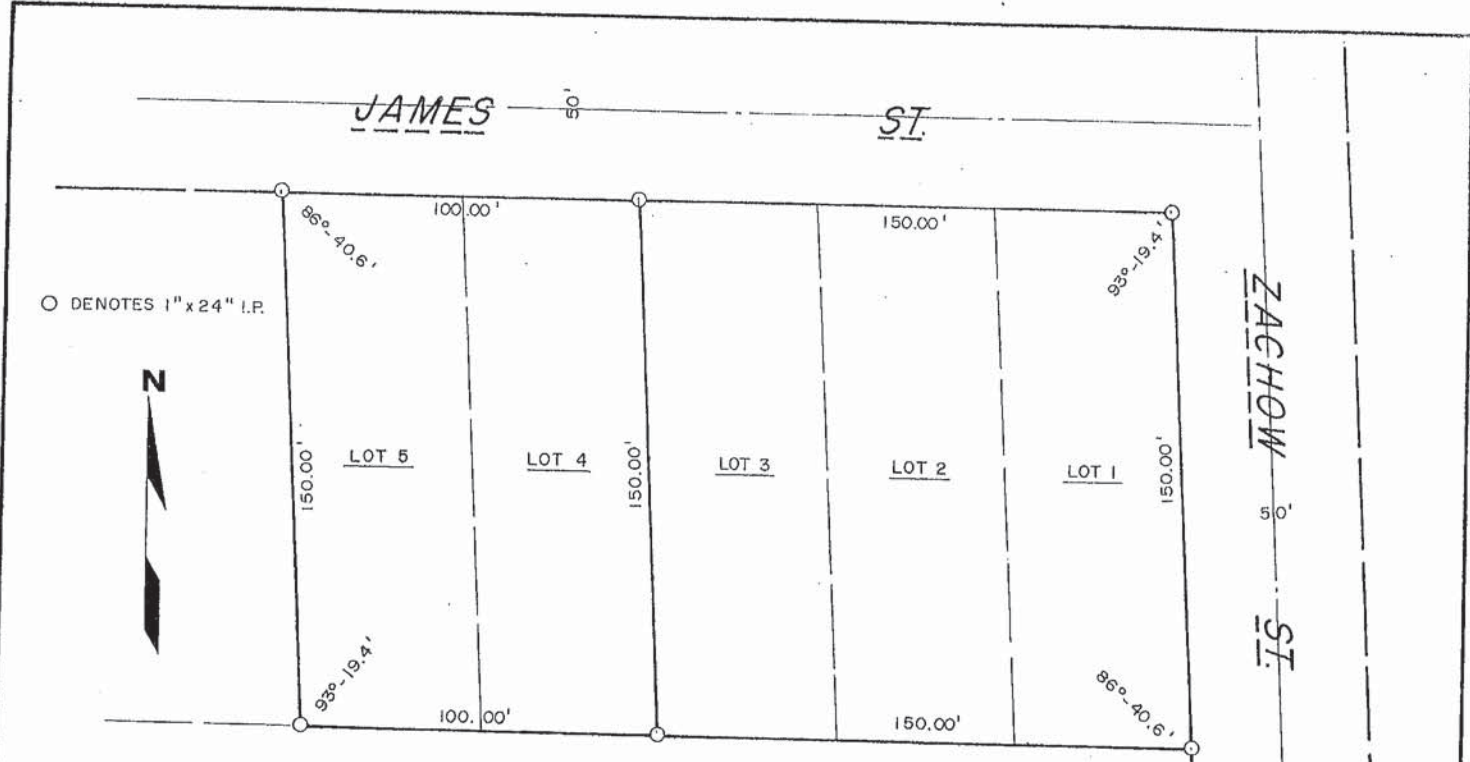
ACKNOWLEDGMENT

State of Wisconsin,)
) SS.
Shawano County.)

Personally came before me on April 20, 2000, the above named Troy W. Wegner and Anita L. Wegner f/k/a Anita L. Letter, husband and wife, as tenants in common each with an undivided one-half interest, to be known as the person(s) who executed the foregoing instrument and acknowledged the same.

Jill E. Grosskrentz
Jill E. Grosskrentz (type or print)
Notary Public, Shawano County, Wisconsin.
My commission is permanent. (If not, state expiration date: July 28, 2007)

SHAWANO ABSTRACT TITLE 10.00 / 125.00 ff



R. W. Nordin
6-14-88.

REUSE OF THIS DOCUMENT
All Rights including copyrights are retained by R. W. Nordin & Associates, Inc. The client and/or recipient agrees to the fullest extent permitted by law to indemnify and hold R. W. Nordin & Associates, Inc. harmless for any reuse of or changes made to the original drawing or data without prior written consent by R. W. Nordin & Associates, Inc.







NORDIN & ASSOC., INC.
PROFESSIONAL LAND SURVEYORS SHAWANO, WI

MAP OF LOTS 1-5, BLOCK 3,
FREEBORN'S 2nd ADD. TO CECIL.

DRN. BY	BOB	SCALE	1" = 40'	CLIENT	HILGENBERG
DATE	6-14-88.	REVISED		NOTES NO.	5920



Existing Land Use

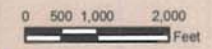
-  Municipal Boundaries
-  Sections with Section Numbers
-  US and State Highways
-  County Highways
-  Local Roads
-  Railroads

- Existing Land Use Categories**
- Agriculture
 -  Open Space and Forestry
 -  Public Open Space
 -  Residential (Unsewered)
 -  Residential (Sewered)
 -  Mixed Residential
 -  Commercial
 -  Industrial
 -  Community Facilities
 - Right of Way
 - Surface Water

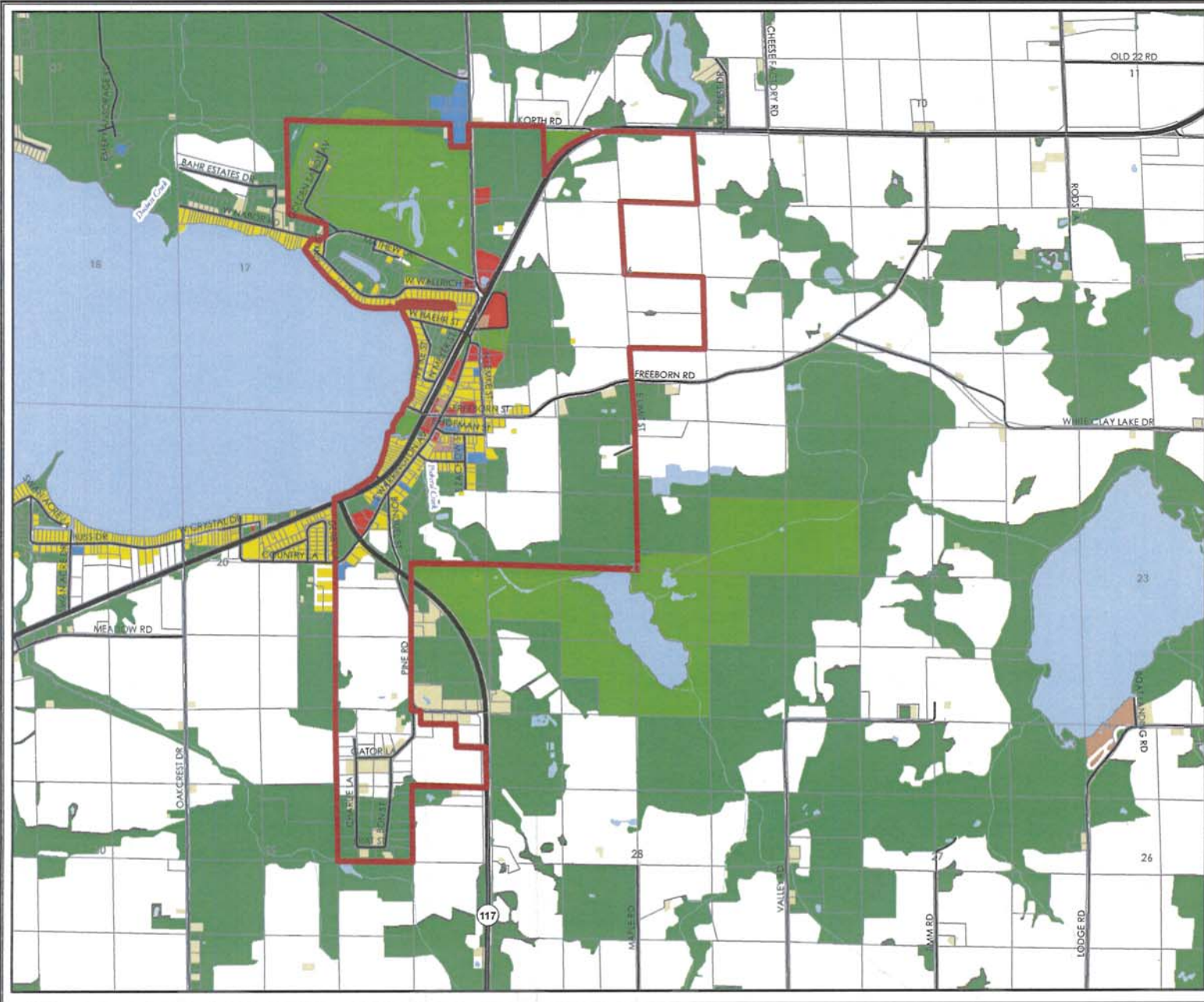
Note: Land use represents the current use of the property and does not necessarily reflect current zoning or future land use desires (see map 5)

Sources: Existing Land Use: ECWRPC
All other data Shawano County LIO

4/30/2008



Vanklewalle & Associates
Planning • Consulting • Architecture
© Vanklewalle & Associates, 2008



Certification of Legal Description

Parcel Identification Number: 111501000290

Site Address: 301 S. Zachow Street, Cecil, Wisconsin 54111

Legal Description

Lots 1, 2 and 3 in Block 3 of Freeborn's Second Addition to the Village of Cecil, Shawano County, Wisconsin, according to the recorded plat thereof.

Certification

I, Steven M. Bartz, certify that the legal description provided above and on the attached Warranty Deed is complete and accurate to the best of my knowledge. The legal description correctly describes the parcel affected by soil and groundwater petroleum contamination for which case closure is being requested.

A copy of the most recent Property Deed for this parcel has been attached

Signature Steven M. Bartz

Title Property Owner

Date 1-22-16

Attachment G Table of Contents

- Deed: Not applicable, no off-site contamination is present.
- Certified Survey Map: Not applicable, no off-site contamination is present.
- Verification of Zoning: Not applicable, no off-site contamination is present.
- Signed Statement: Not applicable, no off-site contamination is present.