



January 22, 2018

Ms. Karen Maron  
7420 W. Drummond St  
Iron River, WI 54847

**KEEP THIS DOCUMENT WITH YOUR PROPERTY RECORDS**

**SUBJECT:** Final Case Closure with Continuing Obligations  
Maron Property, W9468 Iron Road, Beaver Dam, WI  
DNR BRRTS Activity #: 03-14-563925  
FID #: 114109710

Dear Ms. Maron:

The Department of Natural Resources (DNR) considers Maron 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.

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 South-Central Region (SCR) Closure Committee reviewed the request for closure on December 21, 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.

This former commercial manufacturing business had petroleum-related soil and groundwater contamination associated with an underground diesel storage tank that has since been removed. Response actions included investigation activities related to soil, groundwater and sub-slab vapors and a remedial soil excavation.

The conditions of closure and continuing obligations required were based on the property being used for commercial 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.

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 South-Central Regional DNR office, at 3911 Fish Hatchery Rd, Fitchburg, WI 53711. 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 or barrier is required, as shown on the **attached map** (*Location Map, Figure D.2, Maron Property by METCO, 5/26/2015*), 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;
- construction or placement of a building or other structure;
- changing the use or occupancy of the property to a residential exposure setting, which may include certain uses, such as single or multiple family residences, a school, day care, senior center, hospital, or similar residential exposure settings.



### 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 and inspection reports in accordance with the following requirements to:

Department of Natural Resources  
Attn: Remediation and Redevelopment Program Environmental Program Associate  
3911 Fish Hatchery Road  
Fitchburg, WI 53711

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

Groundwater contamination greater than enforcement standards is present on this contaminated property, as shown on the **attached map** (*Groundwater Isoconcentration (8/15/2017), Figure B.3.b. by METCO, 5/26/2015*). 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 in the area of the former underground diesel storage tank which was excavated in 2017 as indicated on the **attached map** (*Residual Soil Contamination, Figure B.2.b. by METCO, 5/26/2015*). If soil in the specific locations described above is excavated in the future, the property owner or right-of-way holder 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 or right-of-way holder 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 and right-of-way holders need to be aware that excavation of the contaminated soil may pose an inhalation or other direct contact hazard and as a result special precautions may need to be taken to prevent a direct contact health threat to humans.

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

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

The pavement that exists in the location shown on the **attached map**, Location Map, Figure D.2, Maron Property by METCO, 5/26/2015 shall be maintained in compliance with the **attached maintenance plan**



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, and to prevent direct contact with residual soil contamination that might otherwise pose a threat to human health.

The cover approved for this closure was designed to be protective for a commercial or industrial use setting. Before using the property for residential purposes, you must notify the DNR at least 45 days before taking an action, to determine if additional response actions are warranted.

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) are 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.

#### 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, with any deed restrictions applied to the property, or with a certificate of completion issued under s. 292.15, Wis. Stats., or
- a property owner fails to maintain or comply with a continuing obligation (imposed under this closure approval letter).



**State of Wisconsin**  
DEPARTMENT OF NATURAL RESOURCES  
3911 Fish Hatchery Rd  
Fitchburg, WI 53711

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



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 Wendy Weihemuller at (608) 275-3212, or at [Wendy.Weihemuller@wisconsin.gov](mailto:Wendy.Weihemuller@wisconsin.gov).

Sincerely,

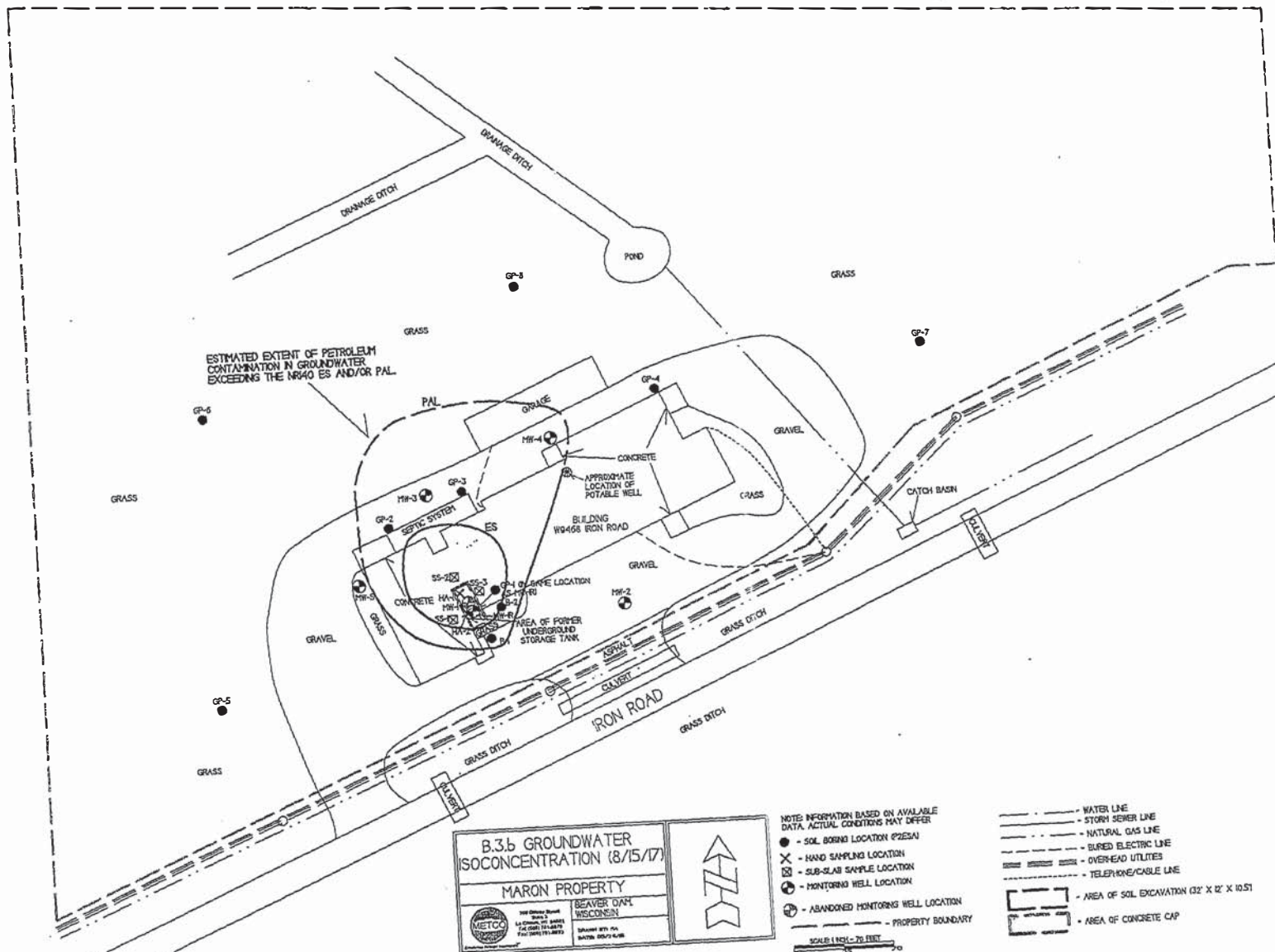
A handwritten signature in black ink, appearing to read 'Steve L. Martin'.

Steve L. Martin  
South Central Region Team Supervisor  
Remediation & Redevelopment Program

Attachments:

- Groundwater Isoconcentration (8/15/2017), Figure B.3.b. by METCO, 5/26/2015
- Residual Soil Contamination, Figure B.2.b. by METCO, 5/26/2015
- Location Map, Figure D.2, Maron Property by METCO, 5/26/2015
- Cap Maintenance Plan, Attachment D.1, 11/15/2017
- Continuing Obligations Inspection and Maintenance Log, DNR Form 4400-305

cc: Jason T. Powell, METCO, 709 Gillette St., Ste 3, La Crosse, WI 54603



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

B.3.b GROUNDWATER ISOCONCENTRATION (8/15/17)	
MARON PROPERTY	
BEAVER DAM, WISCONSIN	
	Map Date: 8/15/17

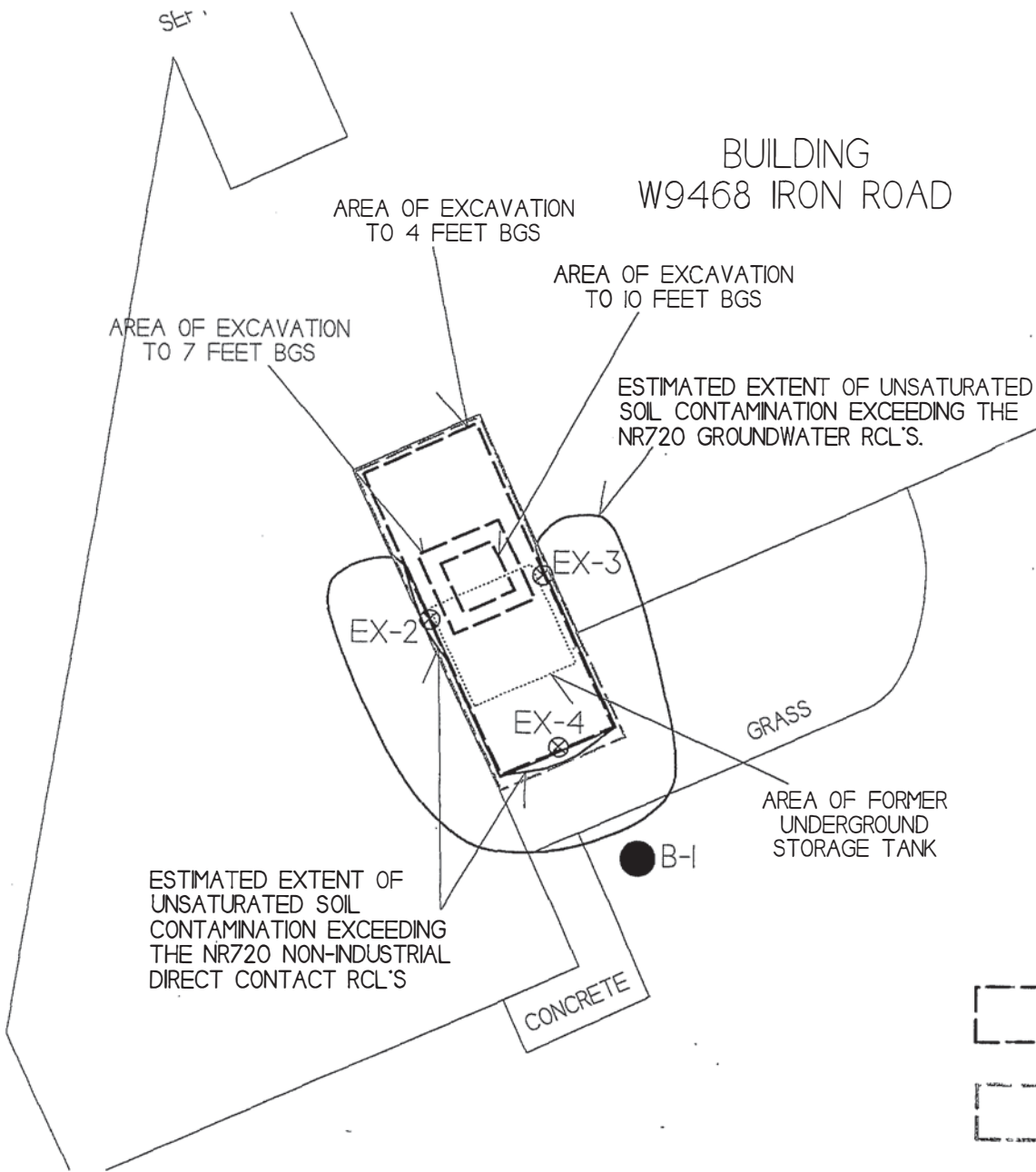


NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER

- - SOIL BORING LOCATION (22ES/41)
- X - HAND SAMPLING LOCATION
- ☒ - SUB-SLAB SAMPLE LOCATION
- ⊙ - MONITORING WELL LOCATION
- ⊕ - ABANDONED MONITORING WELL LOCATION
- - - - - PROPERTY BOUNDARY

SCALE 1 INCH = 75 FEET

- - - - - WATER LINE
- - - - - STORM SEWER LINE
- - - - - NATURAL GAS LINE
- - - - - BURNED ELECTRIC LINE
- - - - - BURIED UTILITIES
- - - - - OVERHEAD UTILITIES
- - - - - TELEPHONE/CABLE LINE
- ⊕ - AREA OF SOIL EXCAVATION (2' X 12' X 10.5')
- ☒ - AREA OF CONCRETE CAP



BUILDING  
W9468 IRON ROAD

B.2.b RESIDUAL SOIL CONTAMINATION		
MARON PROPERTY		
	709 Gillette Street Suite 3 La Crosse, WI 54603 Tel: (608) 781-8879 Fax: (608) 781-8883	
		BEAVER DAM, WISCONSIN DRAWN BY: RA DATE: 05/26/15

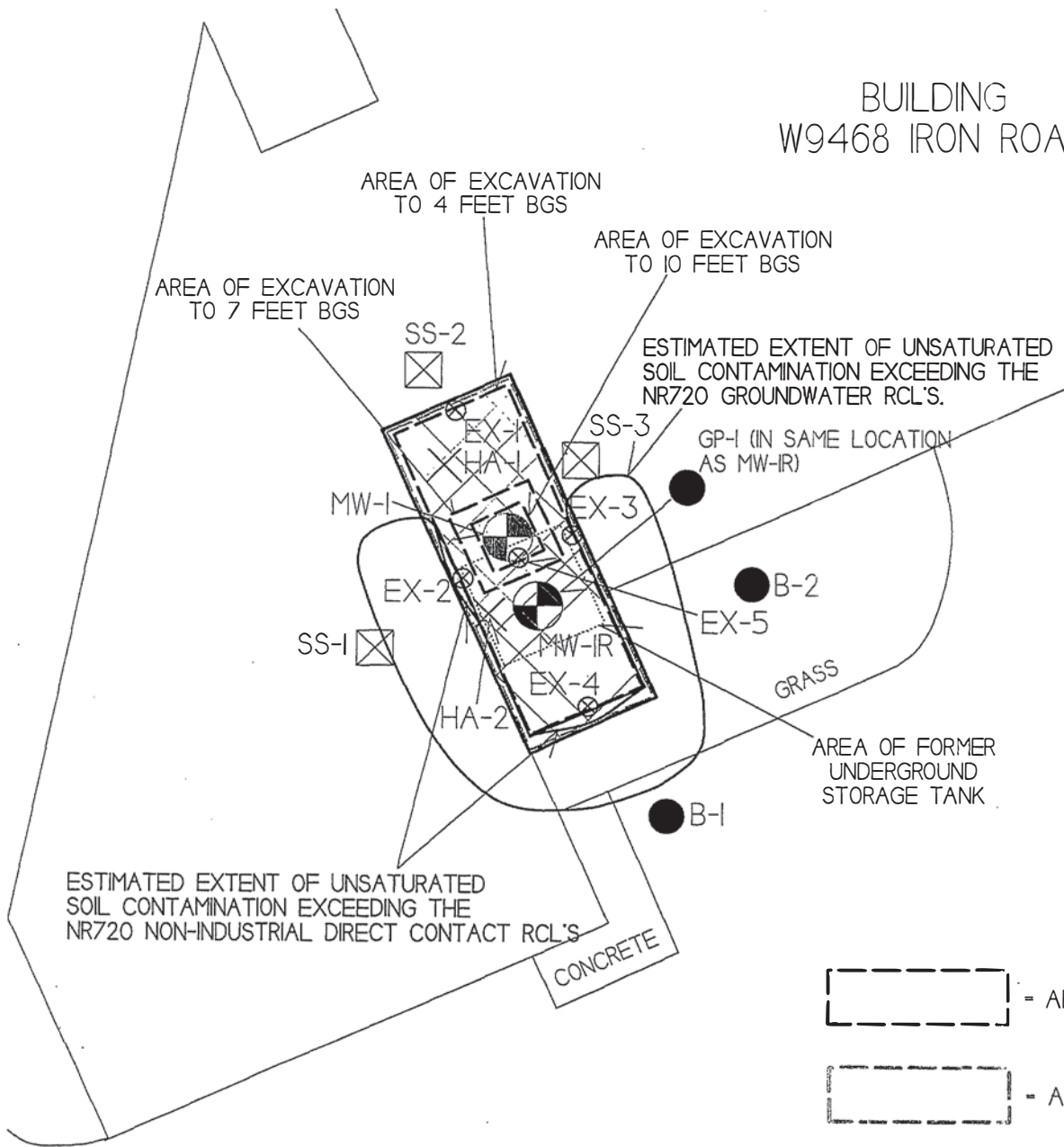
NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER

- = SOIL BORING LOCATION (P2ESA)
- ✕ = HAND SAMPLING LOCATION
- ⊗ = EXCAVATION SAMPLE LOCATION
- ◐ = MONITORING WELL LOCATION
- ◑ = ABANDONED MONITORING WELL LOCATION



- = AREA OF SOIL EXCAVATION (32' X 12' X 10.5')
- = AREA OF CONCRETE CAP

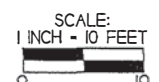
# BUILDING W9468 IRON ROAD



D.2 LOCATION MAP		
MARON PROPERTY		
	BEAVER DAM, WISCONSIN	
709 Gillette Street Suite 3 La Crosse, WI 54603 Tel: (608) 781-4375 Fax: (608) 781-8953		DRAWN BY: RA DATE: 05/26/15

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

- - SOIL BORING LOCATION (P2ESA)
- ⊗ - HAND SAMPLING LOCATION
- ⊗ - EXCAVATION SAMPLE LOCATION
- ⊗ - MONITORING WELL LOCATION
- ⊗ - ABANDONED MONITORING WELL LOCATION
- ⊗ - SUB-SLAB SAMPLE LOCATION



- = AREA OF SOIL EXCAVATION (32' X 12' X 10.5')
- = AREA OF CONCRETE CAP
- = AREA OF CAP TO BE MAINTAINED



## D.1 Description of Maintenance Action(s)

### CAP MAINTENANCE PLAN

November 15, 2017

Property Located at:  
W9468 Iron Road  
Beaver Dam, WI 53916

WDNR BRRTS# 03-14-563925

TAX KEY# 004-1114-0742-001

#### Introduction

This document is the Maintenance Plan for a concrete cap at the above-referenced property in accordance with the requirements of s. NR 724.13(2), Wisconsin Administrative Code. The maintenance activities relate to the existing cap occupying the area over the contaminated groundwater plume or soil on-site.

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

- The case file in the DNR South Central regional office
- BRRTS on the Web (DNR's internet based data base of contaminated sites):  
<http://dnr.wi.gov/botw/SetUpBasicSearchForm.do>
- GIS Registry PDF file for further information on the nature and extent of contamination and
- The DNR project manager for Dodge County.

#### Description of Contamination

Soil contaminated by Petroleum Volatile Organic Compounds (PVOCs) and/or Polynuclear Aromatic Hydrocarbons (PAHs) is located at a depth of 0-3 feet below ground surface (bgs) in the area of the former UST system. Groundwater contaminated by PVOCs is located at a depth of 3.5-7 feet bgs in the area of the former UST system. The extent of the soil contamination is shown on Attachment D.2. Please refer to attachment B.3.b for the extent of groundwater contamination as the groundwater plume was too large to fit on the Attachment D.2 map scale.

#### Description of the Cap to be maintained

The Cap covers the area of the soil excavation, which consists of concrete (approximately 6 inches thick), as shown on Attachment D.2.

### Cover Barrier Purpose

The concrete cap over the contaminated soil and groundwater serves as both a barrier to prevent direct human contact with residual soil contamination that might otherwise pose a threat to human health, and also 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 and future use of the property, the barrier should function as intended unless disturbed.

### Annual Inspection

The concrete cap overlying the contaminated soil and groundwater and as depicted in Attachment 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 exposure to underlying soils or additional infiltration through asphalt or concrete. 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 Form 4400-305 Continuing Obligations 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 inspection log will be kept at the address of the property owner and available for submittal or inspection by Wisconsin Department of Natural Resources ("WDNR") representatives upon their request.

Note: The WDNR 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 a copy of the inspection log must be submitted to the WDNR at least annually after every inspection.

### Maintenance Activities

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 cap overlying the contaminated soil and groundwater plume is 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 WDNR or its successor.

The property owner, in order to maintain the integrity of the concrete cap, will maintain a copy of this Maintenance Plan on-site 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 or Cap

The following activities are prohibited on any portion of the property where the concrete cap 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.

### 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 WDNR.

*Metco, Ron Anderson*

Contact Information

November 2017

**Current Site Owner and Operator:**

Karen Maron *715-813-0073*  
7420 W. Drummond St.  
Iron River, WI 54847

Signature: *Karen M Maron*

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

**Consultant:**

METCO

Ron Anderson

709 Gillette Street, Suite 3

La Crosse, WI 54603

(608) 781-8879

*(608) 781-8879*

**WDNR:**

Dan Graf

3911 Fish Hatchery Rd

Fitchburg, WI 53711

(608) 275-3339



{Click to Add/Edit Image}

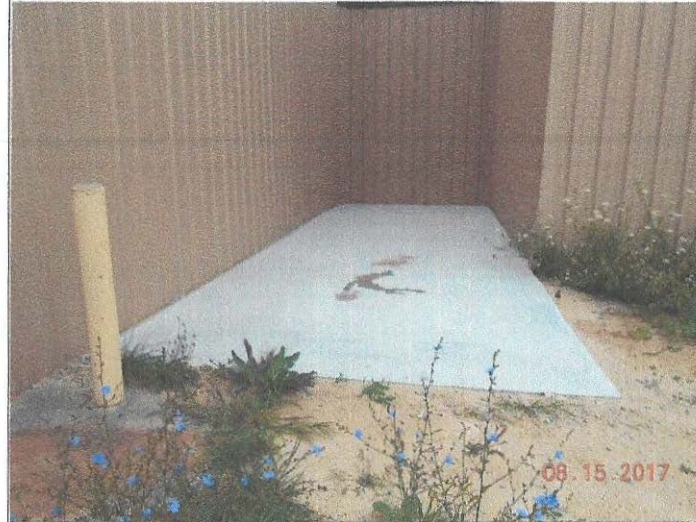
Date added: 11/15/2017



Title: Photo #1: Area of cap to be maintained (looking north/northwest)

{Click to Add/Edit Image}

Date added: 11/15/2017



Title: Photo #2: Area of cap to be maintained (looking north/northwest)

D.3 Photographs

**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 <b>Maron Property</b>	BRRTS No. <b>03-14-563925</b>
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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

D.4 Inspection Log

**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. 03-14-563925	VPLE No.		
Parcel ID No. 004-1114-0742-001			
FID No. 114109710	WTM Coordinates		
	X 611,241	Y 329,630	
BRRTS Activity (Site) Name Maron Property	WTM Coordinates Represent: <input type="checkbox"/> Source Area <input checked="" type="checkbox"/> Parcel Center		
Site Address W9468 Iron Road Acres Ready For Use	City Beaver Dam	State WI	ZIP Code 53916
	8.5		

Responsible Party (RP) Name Karen Maron
Company Name

Mailing Address 7420 W. Drummond St.	City Iron River	State WI	ZIP Code 54847
Phone Number (715) 372-5441	Email buckybeezer@gmail.com		

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

Environmental Consultant Name Ron Anderson
Consulting Firm METCO

Mailing Address 709 Gillette Street, Suite 3	City La Crosse	State WI	ZIP Code 54603
Phone Number (608) 781-8879	Email rona@metcohq.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 Maron Property site, W9468 Iron Road, is located in the NW 1/4, SE 1/4, Section 7, Township 11 North, Range 14 East, in the Town of Beaver Dam, Dodge County, Wisconsin. The subject property is bound by Iron Road to the south, and commercial/agricultural properties to the north, east, and west.
- B. Prior and current site usage: Specifically describe the current and historic occupancy and types of use.  
In February 2015, Partner Engineering and Science, Inc. performed a Phase 1 Environmental Site Assessment (P1ESA) at the Maron Property. According to historical sources, the property was used for residential purposes as early as 1940. In 1956, the existing building was constructed and the property was developed as a salvage yard. The salvage yard operated at the subject property until approximately 1975. A pallet manufacturing business operated on the subject property from approximately 1975 until 2010. Currently the subject property is vacant.
- C. Current zoning (e.g., industrial, commercial, residential) for the site and for neighboring properties, and how verified (Provide documentation in Attachment G).  
According to the Dodge County GIS property assessment, the Maron Property site located at W9468 Iron Road is zoned "Commercial". The neighboring properties to the north and west are zoned "Agriculture" and/or "Commercial", and the neighboring property to the east is zoned "Agricultural" and "Undeveloped".
- D. Describe how and when site contamination was discovered.  
On May 7, 2015, METCO conducted a Phase 2 Environmental Site Assessment (P2ESA) at the subject property. During the P2ESA, eight soil borings (GP-1, -2, -3, -4, -5, -6, -7, and -8) were advanced to a depth of 8 to 10 feet below ground surface (bgs) to assess the following areas: the former UST, salvage yard, and septic system. One soil sample and one groundwater sample were collected from each boring for VOC analysis. The only area where any significant levels of VOCs were detected in soil and groundwater was in the area of the removed diesel UST (GP-1). The petroleum contamination was subsequently reported to the WDNR, who then required that a site investigation be completed.
- E. Describe the type(s) and source(s) or suspected source(s) of contamination.  
Petroleum contamination appears to have originated from the former 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.  
A closed spill case existed for the subject property, Beaver Dam City Compost Site (BRRTS case # 04-14-235314). The spill incident is listed as a release of <200 gallons of water soluble ink, which occurred on September 1, 1999. The spill case was closed on October 21, 1999 with no cleanup required.
- H. List BRRTS activity/site name(s) and number(s) for all properties immediately adjacent to (abutting) this source property.  
No other BRRTS activities exist immediately adjacent to this site.

### 2. General Site Conditions

- A. Soil/Geology
- i. Describe soil type(s) and relevant physical properties, thickness of soil column across the site, vertical and lateral variations in soil types.  
Geologic material in the area of investigation generally consists of tan to brown to gray sandy silt/clay with gravel from ground surface to 10.5 to 13 feet bgs, except in the area of MW-2, where a tan fine to medium grained silty sand was encountered from ground surface to 7 feet bgs and a hard till with cobbles and boulders was encountered from 7 to 13 feet bgs. In the areas of MW-3 and MW-4 a tan to gray fine to medium grained sand w/gravel was encountered at depths ranging from 3 to 4 feet bgs and extending to the bedrock surface (10.5 to 11 feet bgs). In the area of B-2 a tan fine to medium grained silty sand was encountered at 10 to 10.5 feet bgs.
- ii. Describe the composition, location and lateral extent, and depth of fill or waste deposits on the site.  
Fill material was not encountered during the site investigation.
- iii. Describe the depth to bedrock, bedrock type, competency and whether or not it was encountered during the investigation.  
Unconsolidated materials are underlain by a gray dolomite which was encountered at depths ranging from 10.5 to 13 feet bgs.



- 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).

With the exception of the on-site building and a garage, the majority of the property is covered by grass, with a gravel circle drive around the on-site building. A drainage ditch and a small pond also exist on the northern part of the property. The area of the former UST is covered by concrete.

**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.

Groundwater exists at approximately 2.33 to 6.72 feet below ground surface depending on well location and time of year. Free product has never been encountered at the site. The stratigraphic unit where the water table is found consists of sandy silt/clay.

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

Groundwater elevations measured in the monitoring wells indicated a local groundwater flow direction to be predominately towards the north to northwest. Groundwater flow deeper in the aquifer is unknown, as no piezometers were installed during the investigation.

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

On January 21, 2016, METCO conducted slug tests on monitoring wells MW-1, MW-2, and MW-4. The slug test data was evaluated using the curve fitting program "Hydro-Test for Windows" Produced by Dakota Environmental, Inc. Slug test data was evaluated using the Bouwer and Rice method. Hydrogeologic parameters were estimated as follows:

Monitoring Well MW-1

Hydraulic Conductivity (K) =  $5.09 \times 10^{-4}$  cm/sec

Transmissivity =  $1.08 \times 10^{-1}$  cm<sup>2</sup>/sec

Flow Velocity (V=KI/n) = 6.65 m/yr

Monitoring Well MW-2

Hydraulic Conductivity (K) =  $2.05 \times 10^{-4}$  cm/sec

Transmissivity =  $6.71 \times 10^{-2}$  cm<sup>2</sup>/sec

Flow Velocity (V=KI/n) = 2.67 m/yr

Monitoring Well MW-4

Hydraulic Conductivity (K) =  $1.44 \times 10^{-4}$  cm/sec

Transmissivity =  $5.01 \times 10^{-2}$  cm<sup>2</sup>/sec

Flow Velocity (V=KI/n) = 1.88 m/yr

Since the thickness of the unconfined aquifer was unknown, the bottoms of monitoring wells MW-1, -2, and -4 were assumed as the lower extent of the aquifer for calculation purposes.

- iv. Identify and describe locations/distance of potable and/or municipal wells within 1200 feet of the site. Include general summary of well construction (geology, depth of casing, depth of screened or open interval).

The subject property and surrounding properties are all served by private potable wells. The potable well for the subject property exists approximately 110 feet to the northeast of the removed diesel UST system. The nearest developed neighboring properties are approximately 600 feet north/northwest, 900 feet west, and 1,000 feet southwest of the former UST system. Due to the significant distance, there does not appear to be any significant risk to the other nearby potable wells. Based on the Well Constructor's Report the subject property's well is cased to 54 feet bgs with cement pressure grouted from 10 to 54 feet bgs and a clay slurry from ground surface to 10 feet bgs. This well was completed to 222 feet bgs and draws water from a limestone and sandstone aquifer.

**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 May 7, 2015, as part of the Phase 2 Environmental Site Assessment, eight Geoprobe borings (G-1 thru G-8) were completed with twenty-three soil samples and eight groundwater samples were collected for field description and/or laboratory analysis. (Site Investigation Report - July 29, 2016)

On November 30 through December 1, 2015, Ground Source Inc. of De Pere, WI completed a drilling project under the supervision and direction of METCO personnel. During the Drilling Project, six soil borings (MW-1 through MW-4, SB-1, and SB-2) and one hand auger boring (HA-1) were completed with eighteen soil samples collected for field and/

or laboratory analysis. (Site Investigation Report - July 29, 2016)

On January 21, 2016, METCO personnel collected groundwater samples from all four monitoring wells for field and laboratory analysis. Field measurements for water level, temperature, pH, ORP, Dissolved Oxygen, and specific conductance were collected from the monitoring wells. A groundwater sample was also collected from the on-site potable well for laboratory analysis. (Site Investigation Report - July 29, 2016)

On April 18, 2016, METCO personnel collected groundwater samples from all four monitoring wells for field and laboratory analysis. Field measurements for water level, temperature, pH, ORP, Dissolved Oxygen, and specific conductance were collected from the monitoring wells. A groundwater sample was also collected from the on-site potable well for laboratory analysis. (Site Investigation Report - July 29, 2016)

On March 27, 2017, METCO personnel conducted one hand auger boring (HA-2) in the area of the former underground storage tank and collected one soil sample for Diesel Range Organics (DRO) analysis. This sample was required for disposal approval at the landfill. (Letter Report - July 20, 2017)

On April 25, 2017, DKS Construction Services, Inc. of Menomonie, Wisconsin conducted a soil excavation/disposal project at the subject property under the supervision and direction of METCO personnel. Five soil samples were collected from the sidewalls and bottom of the excavation for laboratory analysis. Four sidewall samples were collected at 3 feet bgs and one bottom sample was collected at 10 feet bgs. (Letter Report - July 20, 2017)

On May 4, 2017, Soils & Engineering Services, Inc. (SES) of Madison, Wisconsin, installed one replacement and one additional monitoring well (MW-1R and MW-5) under the direction and supervision of METCO personnel. Both monitoring wells were installed to 13 feet bgs. During the drilling project, six soil samples were collected from the soil borings for PID analysis. (Letter Report - July 20, 2017)

On May 16, 2017, METCO personnel collected groundwater samples from five of the monitoring wells and the on-site private well for field and/or laboratory analysis. Field measurements for water level, Dissolved Oxygen, pH, ORP, temperature, and Specific Conductivity were collected from all sampled monitoring wells. During the groundwater sampling event, the new monitoring wells were surveyed to feet mean sea level (msl) and the pvc was cut down and re-surveyed on monitoring wells MW-3 and MW-4 by METCO personnel. (Letter Report - July 20, 2017)

On August 15, 2017, METCO personnel collected groundwater samples from five of the monitoring wells and the on-site private well for field and/or laboratory analysis. Field measurements for water level, Dissolved Oxygen, pH, ORP, temperature, and Specific Conductivity were collected from all sampled monitoring wells. (Groundwater Sampling Field Notes - August 15, 2017)

- ii. Identify whether contamination extends beyond the source property boundary, and if so describe the media affected (e.g., soil, groundwater, vapors and/or sediment, etc.), and the vertical and horizontal extent of impacts.  
The extent of petroleum contamination in soil and groundwater does not appear to extend beyond the source property boundary.
- iii. Identify any structural impediments to the completion of site investigation and/or remediation and whether these impediments are on the source property or off the source property. Identify the type and location of any structural impediment (e.g., structure) that also serves as the performance standard barrier for protection of the direct contact or the groundwater pathway.

No structural impediments interfered with the completion of the site investigation.

#### B. Soil

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

An area of unsaturated soil contamination, which exceeds the NR720 Groundwater RCL values, exists surrounding the excavation area and the area of the removed UST. This area appears to measure up to 30 feet long, up to 9 feet wide, and 3 feet thick. An area of unsaturated soil contamination exceeding the NR720 Non-Industrial Direct Contact RCL's also exists in the area of soil excavation samples EX-2 and EX-4. The area of EX-2 appears to measure up to 9 feet long, 1 foot wide, and up to 4 feet thick. The area of EX-4 appears to measure up to 11 feet long, 1 foot wide, and up to 4 feet thick.

The extent of petroleum contamination in unsaturated soil exceeding the NR720 RCL's does not come into contact with any utility corridors.

The extent of petroleum contamination in unsaturated soil exceeding the NR720 RCL's appears to extend underneath the on-site building. However, the sub-slab vapor samples collected in this area (SS-1, SS-2, and SS-3) showed no exceedances of the Small Commercial Sub-Slab Vapor Action Levels (VALs).

- ii. Describe the concentration(s) and types of soil contaminants found in the upper four feet of the soil column. Residual soil contamination which exceeds the NR720 RCL's within the upper four feet of ground surface remains in the following locations:

EX-2: Benzo(a)pyrene (0.15 ppm) and Chrysene (0.176 ppm) at 3 feet bgs

EX-3: Benzene (0.036 ppm) at 3 feet bgs

EX-4: Benzo(a)pyrene (0.314 ppm) and Chrysene (0.33 ppm) at 3 feet bgs.

- iii. Identify the ch. NR 720, Wis. Adm. Code, method used to establish the soil cleanup standards for this site. This includes a soil performance standard established in accordance with s. NR 720.08, a Residual Contaminant Level (RCL) established in accordance with s. NR 720.10 that is protective of groundwater quality, or an RCL established in accordance with s. NR 720.12 that is protective of human health from direct contact with contaminated soil. Identify the land use classification that was used to establish cleanup standards. Provide a copy of the supporting calculations/information in Attachment C.

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

#### C. Groundwater

- i. Describe degree and extent of groundwater contamination. Relate this to known or suspected sources and known or potential receptors/migration pathways. Specifically address any potential or existing impacts to water supply wells or interception with building foundation drain systems.

A dissolved phase contaminant plume exceeding the NR140 ES and/or PAL has formed at the watertable in the area of the removed UST and has migrated toward the north to northwest. This plume is approximately 180 feet long and up to 137 feet wide.

One underground utility line, buried electrical, exists in the area of the groundwater contamination plume. Buried electric lines typically exist within 30 inches of ground surface and backfilled with native soil (clay). Due to the shallow depth to groundwater in the area of this line (1.60 to 4.84 feet bgs), this utility line may be intersecting the water table. However, since it is back filled with native soils it is unlikely acting as a potential contaminant migration pathway.

The subject property and surrounding properties are all served by private potable wells. The potable well for the subject property exists approximately 110 feet to the northeast of the removed diesel UST system. The nearest developed neighboring properties are approximately 600 feet north/northwest, 900 feet west, and 1,000 feet southwest of the former UST system. Due to the significant distance, there does not appear to be any significant risk to the other nearby potable wells. Based on the Well Constructor's Report the subject property's well is cased to 54 feet bgs with cement pressure grouted from 10 to 54 feet bgs and a clay slurry from ground surface to 10 feet bgs. This well was completed to 222 feet bgs and draws water from a limestone and sandstone aquifer. Analytical results from the on-site potable well showed no laboratory detects for VOC's (EPA 542.2) during the January 21, 2016 sampling event or PVOC's and Naphthalene during the three following sampling events (April 2016, May 2017, and August 2017).

The extent of the groundwater contamination exceeding the NR140 ES appears to extend underneath the on-site building. However, the sub-slab vapor samples collected in this area (SS-1, SS-2, and SS-3) showed no exceedances of the Small Commercial Sub-Slab Vapor Action Levels (VALs).

- ii. Describe the presence of free product at the site, including the thickness, depth, and locations. Identify the depth and location of the smear zone.

Free product has never been encountered at this 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.

On May 16, 2017, SCS Engineers of Madison, Wisconsin installed three sub-slab vapor sampling ports in the main floor of the building at W9468 Iron Road (SS-1, SS-2, and SS-3). The sub-slab vapor sampling ports were constructed by drilling a 1/2-inch pilot hole through the concrete slab and several inches into the sub slab material with a hammer drill. A 1 1/2-inch outer hole is then drilled to depths ranging from 3/4 -inch to 1-inch, depending on the concrete slab thickness. The holes were cleaned of dust and drilling debris using a shop-vac. A stainless steel vapor pin is installed in the inner hole with a silicon sleeve to obtain an air tight seal with the concrete floor. The remainder of the hole is sealed with hydrated bentonite and a water dam test was conducted to confirm that the seal is air tight.

SCS Engineering then collected vapor samples from the sub-slab sampling ports for PVOC and Naphthalene analysis. Vapor samples were collected by screwing a male adapter with a short length of Teflon tubing into the sampling port. A Suma canister was connected to the other end of the Teflon tubing. The air samples were collected using a Suma canister with a flow regulator that allowed three sub-slab vapor samples to be collected over a 30 minute period. Prior to collecting the sub-slab vapor samples, a shut in test was conducted to assure that the fittings between the sample probe

and sampling container are air tight. No leaks were detected.

- ii. Identify the applicable DNR action levels and the land use classification used to establish them. Describe where the DNR action levels were reached or exceeded (e.g., sub slab, indoor air or both).  
No sub slab vapor samples showed any exceedances of the WDNR Small Commercial Sub-Slab Vapor Action Levels.

E. Surface Water and Sediment

- i. Identify whether surface water and/or sediment was assessed and describe the impacts found. If this pathway was not assessed, explain why.  
The nearest surface water is an unnamed drainage ditch, which exists approximately 275 feet to the north of the removed UST system. Currently, it does not appear that the petroleum contamination has migrated to any surface waters.
- ii. Identify any surface water and/or sediment action levels used to assess the impacts for this pathway and how these were derived. Describe where the DNR action levels were reached or exceeded.  
No surface water or sediment samples were collected.

4. Remedial Actions Implemented and Residual Levels at Closure

- A. General: Provide a brief summary of the remedial action history. List previous remedial action report submittals by name and date. Identify remedial actions undertaken since the last submittal for this project and provide the appropriate documentation in Attachment C.

On April 25, 2017, DKS Construction Services, Inc. of Menomonie, Wisconsin conducted a soil excavation/disposal project at the subject property under the supervision and direction of METCO personnel. During this project, 101.44 tons of contaminated soil was excavated and hauled to the Advanced Disposal - Glacier Ridge Landfill in Horicon, Wisconsin. Prior to any excavation activities, monitoring well MW-1 was properly abandoned by METCO personnel. The excavation consisted of an area measuring up to 32 feet long, 12 feet wide, and 4 feet below ground surface (bgs). Within the excavation, an area measuring 8 feet by 8 feet was extended to 7 feet bgs and an area measuring 5 feet by 5 feet was extended to 10 feet bgs in the area of the removed UST.

Five soil samples were collected from the sidewalls and bottom of the excavation for laboratory analysis (PVOC and PAH). Four sidewall samples were collected at 3 feet bgs and one bottom sample was collected at 10 feet bgs.

Following the excavation project, a concrete cap was installed over the excavation area.

- B. Describe any immediate or interim actions taken at the site under ch NR 708, Wis. Adm. Code.  
No immediate or interim actions occurred at this 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.

On April 25, 2017, DKS Construction Services, Inc. of Menomonie, Wisconsin conducted a soil excavation/disposal project at the subject property under the supervision and direction of METCO personnel. During this project, 101.44 tons of contaminated soil was excavated and hauled to the Advanced Disposal - Glacier Ridge Landfill in Horicon, Wisconsin. Prior to any excavation activities, monitoring well MW-1 was properly abandoned by METCO personnel. The excavation consisted of an area measuring up to 32 feet long, 12 feet wide, and 4 feet below ground surface (bgs). Within the excavation, an area measuring 8 feet by 8 feet was extended to 7 feet bgs and an area measuring 5 feet by 5 feet was extended to 10 feet bgs in the area of the removed UST.

Five soil samples were collected from the sidewalls and bottom of the excavation for laboratory analysis (PVOC and PAH). Four sidewall samples were collected at 3 feet bgs and one bottom sample was collected at 10 feet bgs.

Following the excavation project, a concrete cap was installed over the excavation area.

- D. Describe the alternatives considered during the Green and Sustainable Remediation evaluation in accordance with NR 722.09 and any practices implemented as a result of the evaluation.  
No evaluation of Green and Sustainable Remediation was conducted.
- E. Describe the nature, degree and extent of residual contamination that will remain at the source property or on other affected properties after case closure.  
An area of unsaturated soil contamination, which exceeds the NR720 Groundwater RCL values, exists surrounding the excavation area and the area of the removed UST. This area appears to measure up to 30 feet long, up to 9 feet wide, and 3 feet thick. An area of unsaturated soil contamination exceeding the NR720 Non-Industrial Direct Contact RCL's also exists in the area of soil excavation samples EX-2 and EX-4. The area of EX-2 appears to measure up to 9 feet long, 1 foot wide,



and up to 4 feet thick. The area of EX-4 appears to measure up to 11 feet long, 1 foot wide, and up to 4 feet thick.

A dissolved phase contaminant plume exceeding the NR140 ES and/or PAL has formed at the watertable in the area of the removed UST and has migrated toward the north to northwest. This plume is approximately 180 feet long and up to 137 feet wide.

The extent of petroleum contamination in soil and groundwater does not appear to extent beyond the source property boundary.

- 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.

Residual soil contamination within the upper four feet of ground surface which exceed the NR720 Non-Industrial Direct Contact RCL's remains in the following locations:

EX-2: Benzo(a)pyrene (0.15 ppm) at 3 feet bgs  
EX-4: Benzo(a)pyrene (0.314 ppm) at 3 feet bgs.

- G. Describe the residual soil contamination that is above the observed low water table that attains or exceeds the soil standard(s) for the groundwater pathway.

Residual soil contamination above the observed low water table which currently exceed NR720 RCL's remains in the following locations:

EX-2: Benzo(a)pyrene (0.15 ppm) and Chrysene (0.176 ppm) at 3 feet bgs  
EX-3: Benzene (0.036 ppm) at 3 feet bgs  
EX-4: Benzo(a)pyrene (0.314 ppm) and Chrysene (0.33 ppm) at 3 feet bgs.

- 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.

Any remaining exposure pathways will be addressed via natural attenuation and a cap maintenance plan.

- I. If using natural attenuation as a groundwater remedy, describe how the data collected supports the conclusion that natural attenuation is effective in reducing contaminant mass and concentration (e.g., stable or receding groundwater plume).  
Since the most highly contaminated soils were removed by excavation and since groundwater contaminant levels appear to be stable, natural attenuation appears to be an effective method in reducing contaminant mass and concentration.

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

Any remaining exposure pathways will be addressed via natural attenuation and a cap maintenance plan.

- K. Identify any system hardware anticipated to be left in place after site closure, and explain the reasons why it will remain.  
No system hardware is anticipated to be left in place after site closure.

- L. Identify the need for a ch. NR 140, Wis. Adm. Code, groundwater Preventive Action Limit (PAL) or Enforcement Standard (ES) exemption, and identify the affected monitoring points and applicable substances.

Monitoring wells MW-1R (Benzene and Naphthalene), MW-3 (Chrysene), and MW-4 (Benzo(a)pyrene, Benzo(b) fluoranthene, and Chrysene) currently exceed the NR140 ES and/or PAL.

- 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.

No sub slab vapor samples showed any exceedances of the WDNR Small Commercial Sub-Slab Vapor Action Levels.

- N. Describe the surface water and/or sediment contaminant concentrations and areas after remediation. If a DNR action level was exceeded, describe where it was exceeded and how the pathway was addressed.

No surface water or sediment samples were collected.

**5. Continuing Obligations: 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 checked="" 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 type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vapor: Residual volatile contamination poses future risk of vapor intrusion	NA
xiv.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Site-specific situation: (e. g., fencing, methane monitoring, other) ( <i>discuss with project manager before submitting the closure request</i> )	Site specific

**6. Underground Storage Tanks**

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

### General Instructions

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

### Data Tables (Attachment A)

#### Directions for Data Tables:

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

#### A. Data Tables

- 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.
- 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).
- 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.
- Vapor Analytical Table(s):** Table(s) showing type(s) of samples, sample collection methods, analytical method, sample results, date of sample collection, time period for sample collection, method and results of leak detection, and date, method and results of communication testing.
- Other Media of Concern (e.g., sediment or surface water):** Table(s) showing type(s) of sample, sample collection method, analytical method, sample results, date of sample collection, and time period for sample collection.
- 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.
- 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

- 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.
- 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.
- RR Sites Map:** From RR Sites Map ([http://dnrmaps.wi.gov/sl/?Viewer=RR Sites](http://dnrmaps.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](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.

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

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

**Engineering Certification**

I \_\_\_\_\_ 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."

Printed Name

Title

Signature

Date

P.E. Stamp and Number

**Hydrogeologist Certification**

I Ronald J. Anderson hereby certify that I am a hydrogeologist as that term is defined in s. NR 712.03 (1), Wis. Adm. Code, 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 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."

Ronald J. Anderson

Senior Hydrogeologist/Project Manager

Printed Name

Title



11/28/17

Signature

Date

## **Attachment A/Data Tables**

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

**A.2 Soil Analytical Results Table(s)**

**A.3 Residual Soil Contamination Table(s)**

**A.4 Vapor Analytical Table**

**A.5 Other Media of Concern (e.g., sediment or surface water) – No surface waters or sediments were assessed as part of the site investigation.**

**A.6 Water Level Elevations**

**A.7 Other – Natural Attenuation Data and Slug Test Calculations Data**

**A.1 Groundwater Analytical Table  
(Geoprobe)  
W9468 Iron Rd – Beaver Dam**

Sample ID	Date	GRO (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
G-1-W	05/07/15	NS	<44	<b>5500</b>	<110	<b>1240</b>	<b>1120</b>	<440	<b>23400</b>
G-2-W	05/07/15	NS	<0.44	<0.71	<1.1	<1.6	0.61	<4.4	<3.1
G-3-W	05/07/15	NS	<0.44	2.78	<1.1	<1.6	1.39	<4.4	15.7
G-4-W	05/07/15	NS	<0.44	<0.71	<1.1	<1.6	<0.44	<4.4	<3.1
G-5-W	05/07/15	NS	<0.44	<0.71	<1.1	<1.6	0.48	<4.4	<3.1
G-6-W	05/07/15	NS	<0.44	<0.71	<1.1	<1.6	<0.44	<4.4	<3.1
G-7-W	05/07/15	NS	<0.44	<0.71	<1.1	<1.6	<0.44	<4.4	<3.1
G-8-W	05/07/15	NS	<0.44	<0.71	<1.1	<1.6	0.6	<4.4	<3.1
<b>ENFORCEMENT STANDARD ES = Bold</b>		-	<b>5</b>	<b>700</b>	<b>60</b>	<b>100</b>	<b>800</b>	<b>480</b>	<b>2000</b>
<i>PREVENTIVE ACTION LIMIT PAL = Italics</i>		-	<i>0.5</i>	<i>140</i>	<i>12</i>	<i>10</i>	<i>160</i>	<i>96</i>	<i>400</i>

NS = Not Sampled

(ppb) = parts per billion

(ppm) = parts per million

DRO = Diesel Range Organics

GRO = Gasoline Range Organics



Well Sampling Conducted on May 7, 2015

VOC's

Well Name	GP-1-W	GP-2-W	GP-3-W	GP-4-W	GP-5-W	GP-6-W	GP-7-W	GP-8-W
Benzene/ppb	< 44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44
Bromobenzene/ppb	< 48	< 0.48	< 0.48	< 0.48	< 0.48	< 0.48	< 0.48	< 0.48
Bromodichloromethane/ppb	< 46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46
Bromoform/ppb	< 46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46
tert-Butylbenzene/ppb	< 110	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1
sec-Butylbenzene/ppb	124 "J"	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
n-Butylbenzene/ppb	660	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbon Tetrachloride/ppb	< 65	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65
Chlorobenzene/ppb	< 46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46
Chloroethane/ppb	< 65	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65
Chloroform/ppb	< 43	< 0.43	< 0.43	< 0.43	< 0.43	< 0.43	< 0.43	< 0.43
Chloromethane/ppb	< 190	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
2-Chlorotoluene/ppb	< 40	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
4-Chlorotoluene/ppb	< 63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63
1,2-Dibromo-3-chloropropane/ppb	< 140	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
Dibromochloromethane/ppb	< 45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45
1,4-Dichlorobenzene/ppb	< 49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49
1,3-Dichlorobenzene/ppb	< 52	< 0.52	< 0.52	< 0.52	< 0.52	< 0.52	< 0.52	< 0.52
1,2-Dichlorobenzene/ppb	< 46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46
Dichlorodifluoromethane/ppb	< 87	< 0.87	< 0.87	< 0.87	< 0.87	< 0.87	< 0.87	< 0.87
1,2-Dichloroethane/ppb	< 54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54
1,1-Dichloroethane/ppb	< 110	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1
1,1-Dichloroethene/ppb	< 65	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65
cis-1,2-Dichloroethene/ppb	< 45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45
trans-1,2-Dichloroethene/ppb	< 54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54
1,2-Dichloropropane/ppb	< 43	< 0.43	< 0.43	< 0.43	< 0.43	< 0.43	< 0.43	< 0.43
2,2-Dichloropropane/ppb	< 310	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1
1,3-Dichloropropane/ppb	< 42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42
Diisopropyl ether/ppb	< 44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44
EDB (1,2-Dibromoethane)/ppb	< 63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63
Ethylbenzene/ppb	5500	< 0.71	2.78	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71
Hexachlorobutadiene/ppb	< 220	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2
Isopropylbenzene/ppb	590	< 0.82	< 0.82	< 0.82	< 0.82	< 0.82	< 0.82	< 0.82
p-Isopropyltoluene/ppb	< 110	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1
Methylene chloride/ppb	< 130	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
Methyl tert-butyl ether (MTBE)/ppb	< 110	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1
Naphthalene/ppb	1240	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
n-Propylbenzene/ppb	2690	< 0.77	1.4 "J"	< 0.77	< 0.77	< 0.77	< 0.77	< 0.77
1,1,2,2-Tetrachloroethane/ppb	< 52	< 0.52	< 0.52	< 0.52	< 0.52	< 0.52	< 0.52	< 0.52
1,1,1,2-Tetrachloroethane/ppb	< 48	< 0.48	< 0.48	< 0.48	< 0.48	< 0.48	< 0.48	< 0.48
Tetrachloroethene (PCE)/ppb	< 74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74
Toluene/ppb	1120	0.61 "J"	1.39 "J"	< 0.44	0.48 "J"	< 0.44	< 0.44	0.6 "J"
1,2,4-Trichlorobenzene/ppb	< 170	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
1,2,3-Trichlorobenzene/ppb	< 270	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7
1,1,1-Trichloroethane/ppb	< 84	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84
1,1,2-Trichloroethane/ppb	< 48	< 0.48	< 0.48	< 0.48	< 0.48	< 0.48	< 0.48	< 0.48
Trichloroethene (TCE)/ppb	< 47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47
Trichlorofluoromethane/ppb	< 87	< 0.87	< 0.87	< 0.87	< 0.87	< 0.87	< 0.87	< 0.87
1,2,4-Trimethylbenzene/ppb	16500	< 1.6	11.7	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
1,3,5-Trimethylbenzene/ppb	5100	< 1.5	3.8 "J"	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
Vinyl Chloride/ppb	< 17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
m&p-Xylene/ppb	19500	< 2.2	12	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2
o-Xylene/ppb	3900	< 0.9	3.7	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9

ENFORCEMENT STANDARD = ES - Bold	PREVENTIVE ACTION LIMIT = PAL - Italics
5	0.5
==	==
0.6	0.06
4.4	0.44
==	==
==	==
5	0.5
==	==
400	80
6	0.6
30	3
==	==
==	==
0.2	0.02
60	6
75	15
800	120
600	60
1000	200
5	0.5
850	85
7	0.7
70	7
100	20
5	0.5
==	==
==	==
0.05	0.005
700	140
==	==
==	==
==	==
5	0.5
60	12
100	10
==	==
0.2	0.02
70	7
5	0.5
800	160
70	14
==	==
200	40
5	0.5
5	0.5
==	==
Total TMB's 480	Total TMB's 96
0.2	0.02
Total Xylenes 2000	Total Xylenes 400
10	2
300	60

NS = not sampled, NM = Not Measured  
 Q = Analyte detected above laboratory method detection limit but below practical quantitation limit.  
 == = No Exceedences  
 (ppb) = parts per billion  
 (ppm) = parts per million







A.1 Groundwater Analytical Table  
(PAH)  
Maron Property BRRTS #03-14-563925

Well MW-1

Date	Ace-naphthene (ppb)	Acenaphthylene (ppb)	Anthracene (ppb)	Benzo(a)anthracene (ppb)	Benzo(a)pyrene (ppb)	Benzo(b)fluoranthene (ppb)	Benzo(g,h,i)Perylene (ppb)	Benzo(k)fluoranthene (ppb)	Chrysene (ppb)	Dibenzo(a,h)anthracene (ppb)	Fluoranthene (ppb)	Fluorene (ppb)	Indeno(1,2,3-cd)pyrene (ppb)	1-Methylnaphthalene (ppb)	2-Methylnaphthalene (ppb)	Naphthalene (ppb)	Phenanthrene (ppb)	Pyrene (ppb)
01/21/16	<2	<2.1	<2	<1.9	<1.9	<1.9	<2.4	<1.8	<1.7	<2.5	<1.8	<1.7	<1.8	65	121	380	2.1	<1.8
ENFORCEMENT STANDARD = ES - Bold			3000	-	0.2	0.2	-	-	0.2	-	400	400	-	-	-	100	-	250
PREVENTIVE ACTION LIMIT = PAL - Italics			600	-	0.02	0.02	-	-	0.02	-	80	80	-	-	-	10	-	50

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

Well MW-2

Date	Ace-naphthene (ppb)	Acenaphthylene (ppb)	Anthracene (ppb)	Benzo(a)anthracene (ppb)	Benzo(a)pyrene (ppb)	Benzo(b)fluoranthene (ppb)	Benzo(g,h,i)Perylene (ppb)	Benzo(k)fluoranthene (ppb)	Chrysene (ppb)	Dibenzo(a,h)anthracene (ppb)	Fluoranthene (ppb)	Fluorene (ppb)	Indeno(1,2,3-cd)pyrene (ppb)	1-Methylnaphthalene (ppb)	2-Methylnaphthalene (ppb)	Naphthalene (ppb)	Phenanthrene (ppb)	Pyrene (ppb)
01/21/16	<0.02	<0.021	<0.02	<0.019	<0.019	<0.019	<0.024	<0.018	<0.017	<0.025	0.022	<0.017	<0.018	<0.018	<0.017	<0.018	<0.017	0.020
ENFORCEMENT STANDARD = ES - Bold			3000	-	0.2	0.2	-	-	0.2	-	400	400	-	-	-	100	-	250
PREVENTIVE ACTION LIMIT = PAL - Italics			600	-	0.02	0.02	-	-	0.02	-	80	80	-	-	-	10	-	50

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

Well MW-3

Date	Ace-naphthene (ppb)	Acenaphthylene (ppb)	Anthracene (ppb)	Benzo(a)anthracene (ppb)	Benzo(a)pyrene (ppb)	Benzo(b)fluoranthene (ppb)	Benzo(g,h,i)Perylene (ppb)	Benzo(k)fluoranthene (ppb)	Chrysene (ppb)	Dibenzo(a,h)anthracene (ppb)	Fluoranthene (ppb)	Fluorene (ppb)	Indeno(1,2,3-cd)pyrene (ppb)	1-Methylnaphthalene (ppb)	2-Methylnaphthalene (ppb)	Naphthalene (ppb)	Phenanthrene (ppb)	Pyrene (ppb)
01/21/16	<0.02	<0.021	<0.02	0.028	<0.019	<0.019	<0.024	<0.018	0.022	<0.025	0.029	<0.017	<0.018	0.021	0.025	0.024	0.021	0.027
ENFORCEMENT STANDARD = ES - Bold			3000	-	0.2	0.2	-	-	0.2	-	400	400	-	-	-	100	-	250
PREVENTIVE ACTION LIMIT = PAL - Italics			600	-	0.02	0.02	-	-	0.02	-	80	80	-	-	-	10	-	50

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

A.1 Groundwater Analytical Table  
(PAH)  
Maron Property BRRS #03-14-563925

Well MW-4

Date	Ace-naphthene (ppb)	Acenaphthylene (ppb)	Anthracene (ppb)	Benzo(a)anthracene (ppb)	Benzo(a)pyrene (ppb)	Benzo(b)fluoranthene (ppb)	Benzo(g,h,i)Perylene (ppb)	Benzo(k)fluoranthene (ppb)	Chrysene (ppb)	Dibenzo(a,h)anthracene (ppb)	Fluoranthene (ppb)	Fluorene (ppb)	Indeno(1,2,3-cd)pyrene (ppb)	1-Methylnaphthalene (ppb)	2-Methylnaphthalene (ppb)	Naphthalene (ppb)	Phenanthrene (ppb)	Pyrene (ppb)
01/21/16	<0.02	<0.021	0.042	0.126	0.093	0.75	0.095	0.084	0.138	0.043	0.14	<0.017	0.076	0.026	0.018	0.039	0.048	0.135
ENFORCEMENT STANDARD = ES - Bold			3000	-	0.2	0.2	-	-	0.2	-	400	400	-	-	-	100	-	250
PREVENTIVE ACTION LIMIT = PAL - <i>Italics</i>			600	-	0.02	0.02	-	-	0.02	-	80	80	-	-	-	70	-	50

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

Well W9468 PW

Date	Ace-naphthene (ppb)	Acenaphthylene (ppb)	Anthracene (ppb)	Benzo(a)anthracene (ppb)	Benzo(a)pyrene (ppb)	Benzo(b)fluoranthene (ppb)	Benzo(g,h,i)Perylene (ppb)	Benzo(k)fluoranthene (ppb)	Chrysene (ppb)	Dibenzo(a,h)anthracene (ppb)	Fluoranthene (ppb)	Fluorene (ppb)	Indeno(1,2,3-cd)pyrene (ppb)	1-Methylnaphthalene (ppb)	2-Methylnaphthalene (ppb)	Naphthalene (ppb)	Phenanthrene (ppb)	Pyrene (ppb)
01/21/16	NOT SAMPLED																	
ENFORCEMENT STANDARD = ES - Bold			3000	-	0.2	0.2	-	-	0.2	-	400	400	-	-	-	100	-	250
PREVENTIVE ACTION LIMIT = PAL - <i>Italics</i>			600	-	0.02	0.02	-	-	0.02	-	80	80	-	-	-	70	-	50

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



A.1 Groundwater Analytical Table  
Maron Property BRRTS #03-14-563925

Well Sampling Conducted on: 01/21/16 01/21/16 01/21/16 01/21/16

VOC's

Well Name	MW-1	MW-2	MW-3	MW-4
Benzene/ppb	< 44	< 0.44	< 0.44	< 0.44
Bromobenzene/ppb	< 48	< 0.48	< 0.48	< 0.48
Bromodichloromethane/ppb	< 46	< 0.46	< 0.46	< 0.46
Bromoform/ppb	< 46	< 0.46	< 0.46	< 0.46
tert-Butylbenzene/ppb	< 110	< 1.1	< 1.1	< 1.1
sec-Butylbenzene/ppb	< 120	< 1.2	< 1.2	< 1.2
n-Butylbenzene/ppb	< 100	< 1	< 1	< 1
Carbon Tetrachloride/ppb	< 51	< 0.51	< 0.51	< 0.51
Chlorobenzene/ppb	< 46	< 0.46	< 0.46	< 0.46
Chloroethane/ppb	< 65	< 0.65	< 0.65	< 0.65
Chloroform/ppb	< 43	< 0.43	< 0.43	< 0.43
Chloromethane/ppb	< 190	< 1.9	< 1.9	< 1.9
2-Chlorotoluene/ppb	< 40	< 0.4	< 0.4	< 0.4
4-Chlorotoluene/ppb	< 63	< 0.63	< 0.63	< 0.63
1,2-Dibromo-3-chloropropane/ppt	< 140	< 1.4	< 1.4	< 1.4
Dibromochloromethane/ppb	< 45	< 0.45	< 0.45	< 0.45
1,4-Dichlorobenzene/ppb	< 49	< 0.49	< 0.49	< 0.49
1,3-Dichlorobenzene/ppb	< 52	< 0.52	< 0.52	< 0.52
1,2-Dichlorobenzene/ppb	< 46	< 0.46	< 0.46	< 0.46
Dichlorodifluoromethane/ppb	< 87	< 0.87	< 0.87	< 0.87
1,2-Dichloroethane/ppb	< 48	< 0.48	< 0.48	< 0.48
1,1-Dichloroethane/ppb	< 110	< 1.1	< 1.1	< 1.1
1,1-Dichloroethene/ppb	< 65	< 0.65	< 0.65	< 0.65
cis-1,2-Dichloroethene/ppb	< 45	< 0.45	< 0.45	< 0.45
trans-1,2-Dichloroethene/ppb	< 54	< 0.54	< 0.54	< 0.54
1,2-Dichloropropane/ppb	< 43	< 0.43	< 0.43	< 0.43
2,2-Dichloropropane/ppb	< 310	< 3.1	< 3.1	< 3.1
1,3-Dichloropropane/ppb	< 42	< 0.42	< 0.42	< 0.42
Di-isopropyl ether/ppb	< 44	< 0.44	< 0.44	< 0.44
EDB (1,2-Dibromoethane)/ppb	< 63	< 0.63	< 0.63	< 0.63
Ethylbenzene/ppb	<b>1920</b>	< 0.71	< 0.71	< 0.71
Hexachlorobutadiene/ppb	< 220	< 2.2	< 2.2	< 2.2
Isopropylbenzene/ppb	130 "J"	< 0.82	< 0.82	< 0.82
p-Isopropyltoluene/ppb	< 110	< 1.1	< 1.1	< 1.1
Methylene chloride/ppb	< 130	< 1.3	< 1.3	< 1.3
Methyl tert-butyl ether (MTBE)/ppt	< 110	< 1.1	< 1.1	< 1.1
Naphthalene/ppb	<b>550</b>	< 1.6	< 1.6	< 1.6
n-Propylbenzene/ppb	460	< 0.77	< 0.77	< 0.77
1,1,2,2-Tetrachloroethane/ppb	< 52	< 0.52	< 0.52	< 0.52
1,1,1,2-Tetrachloroethane/ppb	< 48	< 0.48	< 0.48	< 0.48
Tetrachloroethene (PCE)/ppb	< 49	< 0.49	< 0.49	< 0.49
Toluene/ppb	<b>830</b>	< 0.44	< 0.44	< 0.44
1,2,4-Trichlorobenzene/ppb	< 170	< 1.7	< 1.7	< 1.7
1,2,3-Trichlorobenzene/ppb	< 270	< 2.7	< 2.7	< 2.7
1,1,1-Trichloroethane/ppb	< 84	< 0.84	< 0.84	< 0.84
1,1,2-Trichloroethane/ppb	< 48	< 0.48	< 0.48	< 0.48
Trichloroethene (TCE)/ppb	< 47	< 0.47	< 0.47	< 0.47
Trichlorofluoromethane/ppb	< 87	< 0.87	< 0.87	< 0.87
1,2,4-Trimethylbenzene/ppb	<b>3500</b>	< 1.6	< 1.6	< 1.6
1,3,5-Trimethylbenzene/ppb	<b>1060</b>	< 1.5	< 1.5	< 1.5
Vinyl Chloride/ppb	< 17	< 0.17	< 0.17	< 0.17
m&p-Xylene/ppb	<b>7600</b>	< 2.2	< 2.2	< 2.2
o-Xylene/ppb	<b>2390</b>	< 0.9	< 0.9	< 0.9

ENFORCE MENT STANDARD = ES – Bold	PREVENTIVE ACTION LIMIT = PAL - Italics
5	0.5
==	==
0.6	0.06
4.4	0.44
==	==
==	==
==	==
5	0.5
==	==
400	80
6	0.6
30	3
==	==
==	==
0.2	0.02
60	6
75	15
600	120
600	60
1000	200
5	0.5
850	85
7	0.7
70	7
100	20
5	0.5
==	==
==	==
==	==
0.05	0.005
700	140
==	==
==	==
==	==
5	0.5
60	12
100	10
==	==
==	==
0.2	0.02
70	7
5	0.5
800	160
70	14
==	==
==	==
200	40
5	0.5
5	0.5
==	==
==	==
Total TMB's 480	Total TMB's 96
0.2	0.02
Total Xylenes 2000	Total Xylenes 400

NS = not sampled, NM = Not Measured

Q = Analyte detected above laboratory method detection limit but below practical quantitation limit.

= = No Exceedences

(ppb) = parts per billion

(ppm) = parts per million

"J" Flag: Analyte detected between LOD and LOQ LOD Limit of Detection LOQ Limit of Quantitation

Well Sampling Conducted on:

Well Sampling Conducted on January 21, 2016

VOC's

Well Name	W9468 PW	ENFORCE MENT	PREVENTIVE ACTION
		STANDARD = ES - Bold	LIMIT = PAL - <i>Italics</i>
Benzene/ppb	< 0.43	<b>5</b>	<i>0.5</i>
Bromobenzene/ppb	< 0.48	==	==
Bromodichloromethane/ppb	< 0.48	==	==
Bromoform/ppb	< 0.9	==	==
Bromomethane/ppb	< 2.6	==	==
Carbon Tetrachloride/ppb	< 0.51	==	==
Chlorobenzene/ppb	< 0.45	==	==
Chloroethane/ppb	< 0.46	==	==
Chloroform/ppb	< 0.44	==	==
Chloromethane/ppb	< 0.79	==	==
2-Chlorotoluene/ppb	< 0.39	==	==
4-Chlorotoluene/ppb	< 0.46	==	==
Dibromochloromethane/ppb	< 0.6	==	==
Dibromomethane/ppb	< 0.56	==	==
1,4-Dichlorobenzene/ppb	< 0.48	==	==
1,3-Dichlorobenzene/ppb	< 0.54	==	==
1,2-Dichlorobenzene/ppb	< 0.46	==	==
Dichlorodifluoromethane/ppb	< 0.91	==	==
1,2-Dichloroethane/ppb	< 0.48	<b>5</b>	<i>0.5</i>
1,1-Dichloroethane/ppb	< 0.98	<b>850</b>	<i>85</i>
1,1-Dichloroethene/ppb	< 0.52	==	==
cis-1,2-Dichloroethene/ppb	< 0.46	==	==
trans-1,2-Dichloroethene/ppb	< 0.49	<b>70</b>	<i>7</i>
1,2-Dichloropropane/ppb	< 0.5	==	==
2,2-Dichloropropane/ppb	< 2.1	==	==
1,3-Dichloropropane/ppb	< 0.42	==	==
trans-1,3-Dichloropropene/ppb	< 0.51	==	==
cis-1,3-Dichloropropene/ppb	< 0.44	==	==
1,1-Dichloropropene/ppb	< 0.58	==	==
Ethylbenzene/ppb	< 0.39	<b>700</b>	<i>140</i>
Hexachlorobutadiene/ppb	< 0.92	==	==
Isopropylbenzene/ppb	< 0.44	==	==
p-Isopropyltoluene/ppb	< 0.49	==	==
Methylene chloride/ppb	< 0.45	==	==
Methyl tert-butyl ether (MTBE)/ppb	< 1	<b>60</b>	<i>12</i>
Naphthalene/ppb	< 0.67	<b>100</b>	<i>10</i>
Styrene/ppb	< 0.4	==	==
1,1,2,2-Tetrachloroethane/ppb	< 0.53	==	==
1,1,1,2-Tetrachloroethane/ppb	< 0.52	==	==
Tetrachloroethene(PCE)/ppb	< 0.49	<b>5</b>	<i>0.5</i>
Toluene/ppb	< 0.45	<b>800</b>	<i>160</i>
1,2,4-Trichlorobenzene/ppb	< 0.55	==	==
1,1,1-Trichloroethane/ppb	< 0.35	==	==
1,1,2-Trichloroethane/ppb	< 0.55	==	==
Trichloroethene (TCE)/ppb	< 0.48	<b>5</b>	<i>0.5</i>
Trichlorofluoromethane/ppb	< 0.91	==	==
1,2,3-Trichloropropane/ppb	< 0.99	==	==
Trichlorotrifluoroethane/ppb	< 0.86	==	==
1,2,4-Trimethylbenzene/ppb	< 0.52	<b>Total TMB's 480</b> <i>Total TMB's 96</i>	
1,3,5-Trimethylbenzene/ppb	< 0.47		
Vinyl Chloride/ppb	< 0.2	==	==
m&p-Xylene/ppb	< 0.85	<b>Total Xylenes 2000</b> <i>Total Xylenes 400</i>	
o-Xylene/ppb	< 0.55		

Note: Bold type indicates an ES exceedance, *Italics* indicates a PAL exceedance. NS = not sampled, NM = Not Measured

Q = Analyte detected above laboratory method detection limit but below practical quantitation limit.

= = No Exceedences

"J" Flag: Analyte detected between LOD and LOQ LOD Limit of Detection LOQ Limit of Quantitation



A.2. Soil Analytical Results Table  
Maron Property BRRTS #03-14-563925

Sample ID	Depth (feet)	Saturation U/S	Date	PID	Lead (ppm)	DRO (ppm)	GRO (ppm)	Benzene (ppm)	Ethyl Benzene (ppm)	MTBE (ppm)	Naphthalene (ppm)	Toluene (ppm)	1,2,4-Trimethylbenzene (ppm)	1,3,5-Trimethylbenzene (ppm)	Xylene (Total) (ppm)	Other VOC's (ppb)	DIRECT CONTACT PVOC & PAH COMBINED		
																	Exceedance Count	Hazard Index	Cumulative Cancer Risk
GP-1	0-4	U	05/07/15	NM	NS	NS	NS	<0.32	42	<0.5	11.2	16.5	147	50	246	SEE VOC SPREAD SHEET	2	9.19E-01	7.3E-06
GP-1	4-8	S	05/07/15	NM												NOT SAMPLED			
GP-1	8-10	S	05/07/15	NM												NOT SAMPLED			
GP-2	0-4	U	05/07/15	NM	NS	NS	NS	<0.016	<0.027	<0.025	<0.087	<0.031	<0.078	<0.089	<0.029	SEE VOC SPREAD SHEET			
GP-2	4-8	S	05/07/15	NM												NOT SAMPLED			
GP-2	8-10	S	05/07/15	NM												NOT SAMPLED			
GP-3	0-4	U	05/07/15	NM	NS	NS	NS	<0.016	<0.027	<0.025	<0.087	<0.031	<0.078	<0.089	<0.029	SEE VOC SPREAD SHEET			
GP-3	4-8	S	05/07/15	NM												NOT SAMPLED			
GP-3	8-10	S	05/07/15	NM												NOT SAMPLED			
GP-4	0-4	U	05/07/15	NM	NS	NS	NS	<0.016	<0.027	<0.025	<0.087	<0.031	<0.078	<0.089	<0.029	SEE VOC SPREAD SHEET			
GP-4	4-8	S	05/07/15	NM												NOT SAMPLED			
GP-4	8-10	S	05/07/15	NM												NOT SAMPLED			
GP-5	0-4	U	05/07/15	NM	NS	NS	NS	<0.016	<0.027	<0.025	<0.087	<0.031	<0.078	<0.089	<0.029	SEE VOC SPREAD SHEET			
GP-5	4-8	S	05/07/15	NM												NOT SAMPLED			
GP-6	0-4	U	05/07/15	NM	NS	NS	NS	<0.016	<0.027	<0.025	<0.087	<0.031	<0.078	<0.089	<0.029	SEE VOC SPREAD SHEET			
GP-6	4-8	S	05/07/15	NM												NOT SAMPLED			
GP-6	8-10	S	05/07/15	NM												NOT SAMPLED			
GP-7	0-4	U	05/07/15	NM	NS	NS	NS	<0.016	<0.027	<0.025	<0.087	<0.031	<0.078	<0.089	<0.029	SEE VOC SPREAD SHEET			
GP-7	4-8	S	05/07/15	NM												NOT SAMPLED			
GP-7	8-12	S	05/07/15	NM												NOT SAMPLED			
GP-8	0-4	U	05/07/15	NM	NS	NS	NS	<0.016	<0.027	<0.025	<0.087	<0.031	<0.078	<0.089	<0.029	SEE VOC SPREAD SHEET			
GP-8	4-8	S	05/07/15	NM												NOT SAMPLED			
GP-8	8-10	S	05/07/15	NM												NOT SAMPLED			
MW-1-1	3.0	U	11/30/15	450	NS	NS	NS	7.6	122	<0.5	14.3	52	350*	121	658*	SEE VOC SPREADSHEET	6	2.36E+00	2.6E-05
MW-1-2	6.0	S	11/30/15	500	NS	NS	NS	<0.8	125	<1.25	30.3	50	380*	125	651*	NS			
MW-1-3	10.5	S	11/30/15	200	NS	NS	NS	3.4	49	<0.25	12.6	16.6	155	54	263*	NS			
MW-2-1	3.5	U	11/30/15	0												NOT SAMPLED			
MW-2-2	6.5	S	11/30/15	0												NOT SAMPLED			
MW-3-1	3.5	U	11/30/15	0												NOT SAMPLED			
MW-3-2	8.0	S	11/30/15	0												NOT SAMPLED			
MW-3-3	10.5	S	11/30/15	0												NOT SAMPLED			
MW-4-1	3.5	U	11/30/15	0												NOT SAMPLED			
MW-4-2	8.0	S	11/30/15	0												NOT SAMPLED			
MW-4-3	11.0	S	11/30/15	0												NOT SAMPLED			
HA-1	3.0	U	11/30/15	0	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	5	1.17E-01	2.6E-05
B-1-1	3.0	U	12/01/15	0	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
B-1-2	6.0	S	12/01/15	30	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
B-1-3	10.5	S	12/01/15	20	NS	NS	NS	0.6295	0.6169	<0.025	0.179	0.081	0.92	0.33	1.058	NS			
B-2-1	3.0	U	12/01/15	0	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
B-2-2	6.0	S	12/01/15	0	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
B-2-3	10.5	S	12/01/15	0	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
HA-2	03/27/17	NM			NS	NS	NS	886.0	NS							NOT SAMPLED			
EX-1	3.0	U	04/25/17	NM	NS	NS	NS	<0.025	<0.025	<0.025	<0.0153	<0.025	<0.025	<0.025	<0.075	NS			
EX-2	3.0	U	04/25/17	NM	NS	NS	NS	<0.025	<0.025	<0.025	<0.0153	<0.025	<0.025	<0.025	<0.075	NS	1	8.70E-03	1.9E-06
EX-3	3.0	U	04/25/17	NM	NS	NS	NS	0.636	<0.025	<0.025	0.059	0.136	0.124	0.087	0.279	NS	0	1.80E-03	7.9E-08
EX-4	3.0	U	04/25/17	NM	NS	NS	NS	<0.025	<0.025	<0.025	<0.0153	<0.025	<0.025	<0.025	<0.075	NS	1	1.83E-02	4.00E-08
EX-5	10.0	S	04/25/17	NM	NS	NS	NS	<0.025	<0.025	<0.025	<0.0153	<0.025	<0.025	<0.025	<0.075	NS			
MW-1R-1	2.5	U	05/04/17	2												NOT SAMPLED			
MW-1R-2	6.0	U	05/04/17	2												NOT SAMPLED			
MW-1R-3	11.0	S	05/04/17	192												NOT SAMPLED			
MW-5-1	2.5	S	05/04/17	10												NOT SAMPLED			
MW-5-2	6.0	S	05/04/17	5												NOT SAMPLED			
MW-5-3	11.0	S	05/04/17	3												NOT SAMPLED			
Groundwater RCL					27	-	-	0.00512	1.57	0.027	0.6562	1.11		1.38	3.96	-			
Non-Industrial Direct Contact RCL					400	-	-	1.6	8.02	5.62	818	219	182	260	-	-			
Industrial Direct Contact RCL					(800)	-	-	(7.07)	(35.4)	(282)	(24.1)	(819)	(219)	(182)	(250)	-	1.00E+00	1.00E-05	1.00E-05
Soil Saturation Concentration (C-sat)*					-	-	-	1820*	480*	8870*		618*	219*	182*	250*	-	1.00E+00	1.00E-05	1.00E-05

Bold = Groundwater RCL Exceedance  
 Bold & Underline = Non-Industrial Direct Contact RCL Exceedance  
 (Bold & Parentheses) = Industrial Direct Contact RCL Exceedance  
 Bold & Asteric = C-sat Exceedance  
 Italics = Industrial Direct Contact RCL  
 NS = Not Sampled  
 (ppm) = parts per million  
 DRO = Diesel Range Organics  
 GRO = Gasoline Range Organics  
 PID = Photoionization Detector  
 PVOC's = Petroleum Volatile Organic Compounds  
 VOC's = Volatile Organic Compounds  
 Note: Non-Industrial RCLs apply to this site.

U=UNSATURATED (BASED ON ALL TIME LOW WATER TABLE PER WDNR)  
 S=SATURATED (BASED ON ALL TIME LOW WATER TABLE PER WDNR)

A.2. Soil Analytical Results Table  
(PAH)  
Maron Property BRRS #03-14-563925

Sample	Depth (feet)	Saturation U/S	Date	Acenaph-thene (ppm)	Acenaph-thylene (ppm)	Anthracene (ppm)	Benzo(a) anthracene (ppm)	Benzo(a) pyrene (ppm)	Benzo(b) fluoranthene (ppm)	Benzo(g,h,i) perylene (ppm)	Benzo(k) fluoranthene (ppm)	Chrysene (ppm)	Dibenzo(a,h) anthracene (ppm)	Fluoranthene (ppm)	Fluorene (ppm)	Indeno(1,2,3-cd) pyrene (ppm)	1-Methyl-naphthalene (ppm)	2-Methyl-naphthalene (ppm)	Naph-thalene (ppm)	Phenan-threne (ppm)	Pyrene (ppm)	DIRECT CONTACT PVOC & PAH COMBINED		
																						Exceedance Count	Hazard Index	Cumulative Cancer Risk
MW-1-1	3.0	U	11/30/15	<0.1005	<0.099	0.118	0.38	<b>0.195</b>	<b>0.65</b>	0.185	0.36	<b>0.49</b>	<0.075	0.87	0.136	0.162	6.3	13.6	<b>14.3</b>	0.82	0.76	5	2.36E+00	2.6E-05
HA-1	3.0	U	11/30/15	0.158	0.201	0.84	<b>2.27</b>	<b>2.0</b>	<b>3.04</b>	1.37	1.07	<b>2.04</b>	<b>0.309</b>	3.9	0.281	<b>1.17</b>	0.107	0.080	0.086	2.93	3.4	5	1.17E-01	2.6E-05
B-1-1	3.0	U	12/01/15	<0.0201	<0.0198	<0.0171	<0.0191	<0.0143	<0.019	<0.02	<0.0174	<0.0192	<0.015	<0.0192	<0.0184	<0.0165	<0.0205	<0.0199	<0.0203	<0.0198	<0.0192			
B-2-1	3.0	U	12/01/15	<0.0201	<0.0198	<0.0171	<0.0191	<0.0143	<0.019	<0.02	<0.0174	<0.0192	<0.015	<0.0192	<0.0184	<0.0165	<0.0205	<0.0199	<0.0203	<0.0198	<0.0192			
EX-1	3.0	U	04/25/17	<0.0151	<0.0159	<0.0109	<0.0116	<0.0113	<0.013	<0.0114	<0.0147	<0.0121	<0.0078	<0.0147	<0.0179	<0.0114	<0.0203	<0.0113	<0.0153	<0.0111	<0.0153			
EX-2	3.0	U	04/25/17	<0.0151	<0.0159	0.0276	0.129	<b>0.15</b>	0.253	0.089	0.085	<b>0.176</b>	0.0209	0.261	<0.0179	0.09	<0.0203	<0.0113	<0.0153	0.086	0.225	1	8.70E-03	1.9E-06
EX-3	3.0	U	04/25/17	<0.0151	<0.0159	<0.0109	0.0129	<0.0113	0.0251	0.0176	<0.0147	<0.0121	<0.0078	<0.0147	<0.0179	0.0114	0.043	0.074	0.059	<0.0111	<0.0153	0	1.80E-03	7.9E-08
EX-4	3.0	U	04/25/17	<0.0151	0.05	0.094	0.248	<b>0.314</b>	0.47	0.217	0.15	<b>0.33</b>	0.048	0.57	0.036	0.205	<0.0203	0.0168	<0.0153	0.31	0.51	1	1.83E-02	4.00E-06
EX-5	10.0	S	04/25/17	<0.0151	<0.0159	<0.0109	0.043	0.062	0.124	0.045	0.045	0.062	0.0108	0.054	<0.0179	0.045	<0.0203	<0.0113	<0.0153	<0.0111	0.107			
Groundwater RCL				---	---	<b>197</b>	---	<b>0.47</b>	<b>0.4793</b>	---	---	<b>0.145</b>	---	<b>88.8</b>	<b>14.8</b>	---	---	---	<b>0.6582</b>	---	<b>54.5</b>			
Non-Industrial Direct Contact RCL				<b>3590</b>	---	<b>17900</b>	<b>1.140</b>	<b>0.1150</b>	<b>1.150</b>	---	<b>11.50</b>	<b>115</b>	<b>0.1150</b>	<b>2390</b>	<b>2390</b>	<b>1.150</b>	<b>17.6</b>	<b>239</b>	<b>5.52</b>	---	<b>1790</b>		<b>1.00E+00</b>	<b>1.00E-05</b>
Industrial Direct Contact RCL				<b>(45200)</b>	---	<b>(100000)</b>	<b>(20.8)</b>	<b>(2.11)</b>	<b>(21.1)</b>	---	<b>(211)</b>	<b>(2110)</b>	<b>(2.11)</b>	<b>(30100)</b>	<b>(30100)</b>	<b>(21.1)</b>	<b>(72.7)</b>	<b>(3010)</b>	<b>(24.1)</b>	---	<b>(22600)</b>			
Soil Saturation Concentration (C-sat)*				---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---			

Bold = Groundwater RCL Exceedance  
 Bold & Underline = Non Industrial Direct Contact RCL Exceedance  
 (Bold & Parentheses) = Industrial Direct Contact RCL Exceedance  
 Bold & Asteric \* = C-sat Exceedance  
 Italics = Industrial Direct Contact RCL  
 NS = Not Sampled  
 (ppm) = parts per million  
 PAH = Polynuclear Aromatic Hydrocarbons  
 PID = Photoionization Detector  
 VOC's = Volatile Organic Compounds

U=UNSATURATED (BASED ON ALL TIME LOW WATER TABLE PER WDNR)  
 S=SATURATED (BASED ON ALL TIME LOW WATER TABLE PER WDNR)

NM = Not Measured  
 ND = No Detects

A.2. Soil Analytical Results Table  
 Maron Property BRRTS #03-14-563925

Sampling Conducted on: 05/07/15 05/07/15 05/07/15 05/07/15 05/07/15 05/07/15 05/07/15 05/07/15 05/07/15 11/30/15

VOC's Sample ID# Sample Depth/ft.	GP-1-S 0-4	GP-2-S 0-4	GP-3-S 0-4	GP-4-S 0-4	GP-5-S 0-4	GP-6-2 0-4	GP-7-S 0-4	GP-8-S 0-4	MW-1-2 6	Bold = Groundwater RCL	Underline & Bold = Non- Industrial Direct Contact RCL	(Parenthesis & Bold) = Industrial Direct Contact RCL	Asteric * & Bold = Soil Saturation (C-sat) RCL
Solids Percent	87.1	87.7	84.3	79.6	88.2	81.4	84.1	80.3	88.9				
Benzene/ppm	<0.32	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.8	0.00512	<u>1.6</u>	(7.07)	1820*
Bromobenzene/ppm	<0.78	<0.039	<0.039	<0.039	<0.039	<0.039	<0.039	<0.039	<1.95	=	342	(679)	=
Bromodichloromethane/ppm	<0.3	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.75	0.000326	<u>0.418</u>	(1.83)	=
Bromofom/ppm	<0.46	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023	<1.15	0.00233	<u>25.4</u>	(113)	=
tert-Butylbenzene/ppm	<0.7	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<1.75	=	183	(183)	183*
sec-Butylbenzene/ppm	1.86 "J"	<0.036	<0.036	<0.036	<0.036	<0.036	<0.036	<0.036	4.6 "J"	=	145	(145)	145*
n-Butylbenzene/ppm	8.3	<0.086	<0.086	<0.086	<0.086	<0.086	<0.086	<0.086	25.9	=	108	(108)	108*
Carbon Tetrachloride/ppm	<0.42	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<1.05	0.00388	<u>0.916</u>	(4.03)	=
Chlorobenzene/ppm	<0.78	<0.039	<0.039	<0.039	<0.039	<0.039	<0.039	<0.039	<1.95	=	370	(761)	761*
Chloroethane/ppm	<0.9	<0.045	<0.045	<0.045	<0.045	<0.045	<0.045	<0.045	<2.25	0.227	=	=	=
Chloroform/ppm	<0.52	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<1.3	0.0033	<u>0.454</u>	(1.98)	=
Chloromethane/ppm	<5	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<12.5	0.0155	<u>159</u>	(669)	=
2-Chlorotoluene/ppm	<0.58	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<1.45	=	=	=	=
4-Chlorotoluene/ppm	<0.64	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<1.6	=	=	=	=
1,2-Dibromo-3-chloropropane/ppm	<1.56	<0.078	<0.078	<0.078	<0.078	<0.078	<0.078	<0.078	<3.9	0.000173	<u>0.098</u>	(0.092)	=
Dibromochloromethane/ppm	<0.62	<0.031	<0.031	<0.031	<0.031	<0.031	<0.031	<0.031	<1.55	0.032	<u>8.28</u>	(38.9)	=
1,4-Dichlorobenzene/ppm	<0.6	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<1.5	0.144	<u>3.74</u>	(16.4)	=
1,3-Dichlorobenzene/ppm	<0.78	<0.039	<0.039	<0.039	<0.039	<0.039	<0.039	<0.039	<1.95	1.1528	<u>297</u>	(193)	297*
Dichlorodifluoromethane/ppm	<0.86	<0.043	<0.043	<0.043	<0.043	<0.043	<0.043	<0.043	<2.15	1.168	<u>376</u>	(376)	376*
1,2-Dichloroethane/ppm	<0.6	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<1.5	3.0863	<u>126</u>	(530)	=
1,1-Dichloroethane/ppm	<0.5	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<1.5	0.00284	<u>0.652</u>	(2.87)	540*
1,1-Dichloroethene/ppm	<0.58	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<1.25	0.4834	<u>5.06</u>	(22.2)	=
cis-1,2-Dichloroethene/ppm	<0.42	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<1.45	0.00502	<u>320</u>	(1190)	1190*
trans-1,2-Dichloroethene/ppm	<0.48	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<1.05	0.0412	<u>156</u>	(2340)	=
1,2-Dichloropropane/ppm	<0.5	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<1.2	0.626	<u>1560</u>	(1850)	=
2,2-Dichloropropane/ppm	<2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<5	0.00332	<u>0.406</u>	(1.78)	=
1,3-Dichloropropane/ppm	<0.62	<0.031	<0.031	<0.031	<0.031	<0.031	<0.031	<0.031	<1.55	=	527	(527)	527*
Di-isopropyl ether/ppm	<0.24	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.6	=	1490	(1490)	1490*
EDB (1,2-Dibromoethane)/ppm	<0.7	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<1.75	=	2260	(2260)	2260*
Ethylbenzene/ppm	42	<0.027	<0.027	<0.027	<0.027	<0.027	<0.027	<0.027	<1.75	0.0000282	<u>0.05</u>	(0.221)	=
Hexachlorobutadiene/ppm	<2.2	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<5.5	1.57	<u>8.02</u>	(35.4)	480*
Isopropylbenzene/ppm	5.4	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	<12.7	=	1.63	(7.19)	=
p-Isopropyltoluene/ppm	<1.12	<0.056	<0.056	<0.056	<0.056	<0.056	<0.056	<0.056	<2.8	=	=	=	=
Methylene chloride/ppm	<4.4	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<11	=	162	(162)	162*
Methyl tert-butyl ether (MTBE)/ppm	<0.5	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<1.25	0.00256	<u>61.8</u>	(1150)	=
Naphthalene/ppm	11.2	<0.087	<0.087	<0.087	<0.087	<0.087	<0.087	<0.087	<1.25	0.027	<u>63.8</u>	(282)	8870*
n-Propylbenzene/ppm	24.4	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	66	0.6582	<u>5.52</u>	(24.1)	=
1,1,2,2-Tetrachloroethane/ppm	<0.26	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.65	0.000156	<u>0.81</u>	(3.6)	=
1,1,1,2-Tetrachloroethane/ppm	<0.58	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<1.45	0.0534	<u>2.78</u>	(12.3)	=
Tetrachloroethene (PCE)/ppm	<1.08	<0.054	<0.054	<0.054	<0.054	<0.054	<0.054	<0.054	<2.7	0.00454	<u>33</u>	(145)	=
Toluene/ppm	16.5	<0.031	<0.031	<0.031	<0.031	<0.031	<0.031	<0.031	50	=	818	(818)	818*
1,2,4-Trichlorobenzene/ppm	<1.7	<0.085	<0.085	<0.085	<0.085	<0.085	<0.085	<0.085	<4.25	0.408	<u>24</u>	(113)	=
1,2,3-Trichlorobenzene/ppm	<2.4	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<6	=	62.6	(934)	=
1,1,1-Trichloroethane/ppm	<0.8	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<2	0.1402	=	=	=
1,1,2-Trichloroethane/ppm	<0.66	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<1.65	0.00324	<u>1.59</u>	(7.01)	=
Trichloroethene (TCE)/ppm	<0.84	<0.042	<0.042	<0.042	<0.042	<0.042	<0.042	<0.042	<2.1	0.00358	<u>1.3</u>	(8.41)	=
Trichlorofluoromethane/ppm	<1.2	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<3	2.2387	<u>1230</u>	(1230)	1230*
1,2,4-Trimethylbenzene/ppm	147	<0.078	<0.078	<0.078	<0.078	<0.078	<0.078	<0.078	380*	1.38	<u>219</u>	(219)	219*
1,3,5-Trimethylbenzene/ppm	50	<0.089	<0.089	<0.089	<0.089	<0.089	<0.089	<0.089	125	182	<u>182</u>	(182)	182*
Vinyl Chloride/ppm	<0.2	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.5	0.000138	<u>0.07</u>	(2.08)	=
m&p-Xylene/ppm	183	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	480*	=	=	=
o-Xylene/ppm	63	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	171*	3.96	<u>260</u>	(260)	258*

NS = not sampled, NM = Not Measured  
 (ppm) = parts per million  
 DRO = Diesel Range Organics  
 GRO = Gasoline Range Organics  
 = = No Exceedences

\*J Flag: Analyte detected between LOD and LOQ LOD Limit of Detection LOQ Limit of Quantitation



A.3. Residual Soil Contamination Table  
Maron Property BRRS #03-14-563925

Sample ID	Depth (feet)	Saturation U/S	Date	PID	Lead (ppm)	DRO (ppm)	GRO (ppm)	Benzene (ppm)	Ethyl Benzene (ppm)	MTBE (ppm)	Naphthalene (ppm)	Toluene (ppm)	1,2,4-Trime-thylbenzene (ppm)	1,3,5-Trime-thylbenzene (ppm)	Xylene (Total) (ppm)	Other VOC's (ppb)	DIRECT CONTACT PVOC & PAH COMBINED		
																	Exceedance Count	Hazard Index	Cumulative Cancer Risk
B-1-3	10.5	S	12/01/15	20	NS	NS	NS	0.0295	0.0169	<0.025	0.179	0.081	0.92	0.33	1.058	NS			
EX-2	3.0	U	04/25/17	NM	NS	NS	NS	<0.025	<0.025	<0.025	<0.0153	<0.025	<0.025	<0.025	<0.075	NS	1	8.70E-03	1.9E-06
EX-3	3.0	U	04/25/17	NM	NS	NS	NS	0.036	<0.025	<0.025	0.059	0.136	0.124	0.087	0.279	NS	0	1.80E-03	7.9E-08
EX-4	3.0	U	04/25/17	NM	NS	NS	NS	<0.025	<0.025	<0.025	<0.0153	<0.025	<0.025	<0.025	<0.075	NS	1	1.83E-02	4.00E-06
<b>Groundwater RCL</b>					27	-	-	0.00512	1.57	0.027	0.6582	1.11	1.38		3.96	-			
<b>Non-Industrial Direct Contact RCL</b>					400	-	-	1.6	8.02	63.8	5.52	818	219	182	260	-			
<b>Industrial Direct Contact RCL</b>					(800)	-	-	(7.07)	(35.4)	(282)	(24.1)	(818)	(219)	(182)	(258)	-		1.00E+00	1.00E-05
<b>Soil Saturation Concentration (C-sat)*</b>					-	-	-	1820*	480*	8870*	-	818*	219*	182*	258*	-		1.00E+00	1.00E-05

**Bold** = Groundwater RCL Exceedance

**Bold & Underline** = Non Industrial Direct Contact RCL Exceedance

**(Bold & Parentheses)** = Industrial Direct Contact RCL Exceedance

**Bold & Asteric \*** = C-sat Exceedance

*Italics* = Industrial Direct Contact RCL

NS = Not Sampled

NM = Not Measured

(ppm) = parts per million

ND = No Detects

DRO = Diesel Range Organics

GRO = Gasoline Range Organics

PID = Photoionization Detector

PVOC's = Petroleum Volatile Organic Compounds

VOC's = Volatile Organic Compounds

**Note:** Non-Industrial RCLs apply to this site.

U=UNSATURATED (BASED ON ALL TIME LOW WATER TABLE PER WDNR)

S=SATURATED (BASED ON ALL TIME LOW WATER TABLE PER WDNR)

A.3. Residual Soil Contamination Table  
(PAH)  
Maron Property BRRTS #03-14-563925

Sample	Depth (feet)	Saturation U/S	Date	Acenaphthene (ppm)	Acenaphthylene (ppm)	Anthracene (ppm)	Benzo(a)anthracene (ppm)	Benzo(a)pyrene (ppm)	Benzo(b)fluoranthene (ppm)	Benzo(g,h,i)perylene (ppm)	Benzo(k)fluoranthene (ppm)	Chrysene (ppm)	Dibenzo(a,h)anthracene (ppm)	Fluoranthene (ppm)	Fluorene (ppm)	Indeno(1,2,3-cd)pyrene (ppm)	1-Methylnaphthalene (ppm)	2-Methylnaphthalene (ppm)	Naphthalene (ppm)	Phenanthrene (ppm)	Pyrene (ppm)	DIRECT CONTACT PVOC & PAH COMBINED		
																						Exceedance Count	Hazard Index	Cumulative Cancer Risk
EX-2	3.0	U	04/25/17	<0.0151	<0.0159	0.0276	0.129	<b>0.15</b>	0.253	0.089	0.085	<b>0.176</b>	0.0209	0.261	<0.0179	0.09	<0.0203	<0.0113	<0.0153	0.086	0.225	<b>1</b>	8.70E-03	1.9E-06
EX-3	3.0	U	04/25/17	<0.0151	<0.0159	<0.0109	0.0129	<0.0113	0.0251	0.0176	<0.0147	<0.0121	<0.0078	<0.0147	<0.0179	0.0114	0.043	0.074	0.059	<0.0111	<0.0153	0	1.80E-03	7.9E-08
EX-4	3.0	U	04/25/17	<0.0151	0.05	0.094	0.248	<b>0.314</b>	0.47	0.217	0.15	<b>0.33</b>	0.048	0.57	0.036	0.205	<0.0203	0.0168	<0.0153	0.31	0.51	<b>1</b>	1.83E-02	4.00E-06
Groundwater RCL				---	---	197	---	<b>0.47</b>	<b>0.4793</b>	---	---	<b>0.145</b>	---	<b>88.8</b>	<b>14.8</b>	---	---	---	<b>0.6582</b>	---	<b>54.5</b>			
Non-Industrial Direct Contact RCL				<b>3590</b>	---	<b>17900</b>	<b>1.140</b>	<b>0.1150</b>	<b>1.150</b>	---	<b>11.50</b>	<b>115</b>	<b>0.1150</b>	<b>2390</b>	<b>2390</b>	<b>1.150</b>	<b>17.6</b>	<b>239</b>	<b>5.52</b>	---	<b>1790</b>		<b>1.00E+00</b>	<b>1.00E-05</b>
Industrial Direct Contact RCL				<b>(45200)</b>	---	<b>(100000)</b>	<b>(20.8)</b>	<b>(2.11)</b>	<b>(21.1)</b>	---	<b>(211)</b>	<b>(2110)</b>	<b>(2.11)</b>	<b>(30100)</b>	<b>(30100)</b>	<b>(21.1)</b>	<b>(72.7)</b>	<b>(3010)</b>	<b>(24.1)</b>	---	<b>(22600)</b>			
Soil Saturation Concentration (C-sat)*				---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		

**Bold** = Groundwater RCL Exceedance

**Bold & Underline** = Non Industrial Direct Contact RCL Exceedance

**Bold & Parentheses** = Industrial Direct Contact RCL Exceedance

**Bold & Asteric \*** = C-sat Exceedance

*Italics* = Industrial Direct Contact RCL

NS = Not Sampled

NM = Not Measured

(ppm) = parts per million

ND = No Detects

PAH = Polynuclear Aromatic Hydrocarbons

PID = Photoionization Detector

VOC's = Volatile Organic Compounds

U=UNSATURATED (BASED ON ALL TIME LOW WATER TABLE PER WDNR)

S=SATURATED (BASED ON ALL TIME LOW WATER TABLE PER WDNR)

A.4 Vapor Analytical Table  
 Sub-Slab Sampling Data Table for Maron Property  
 BY METCO

Sub-Slab Sampling conducted on May 16, 2017

WDNR

Small Commercial  
 Sub-Slab Vapor Action  
 Levels for Various VOCs

Quick Look-Up Table  
 Updated June, 2017

Sample ID	SS-1	SS-2	SS-3	(ug/m <sup>3</sup> )	
Benzene – ug/m <sup>3</sup>	3.8	4.4	2.8	530	c
Carbon Tetrachloride – ug/m <sup>3</sup>	NS	NS	NS	670	c
Chloroform – ug/m <sup>3</sup>	NS	NS	NS	180	c
Chloromethane – ug/m <sup>3</sup>	NS	NS	NS	13000	n
Dichlorodifluoromethane – ug/m <sup>3</sup>	NS	NS	NS	15000	n
1,1-Dichloroethane (1,1-DCA) – ug/m <sup>3</sup>	NS	NS	NS	2600	c
1,2-Dichloroethane (1,2-DCA) - ug/m <sup>3</sup>	NS	NS	NS	160	c
1,1-Dichloroethylene (1,1-DCE) – ug/m <sup>3</sup>	NS	NS	NS	29000	n
1,2-Dichloroethylene (cis and trans) - ug/m <sup>3</sup>	NS	NS	NS	NA	n
Ethylbenzene – ug/m <sup>3</sup>	74	3.4	7.9	1600	c
Methylene chloride – ug/m <sup>3</sup>	NS	NS	NS	87000	n
Methyl Tert-Butyl Ether (MTBE) – ug/m <sup>3</sup>	<0.16	<0.079	<0.079	16000	c
Naphthalene – ug/m <sup>3</sup>	0.67	1.0J	1.4J	120	c
Tetrachloroethylene -ug/m <sup>3</sup>	NS	NS	NS	6000	n
Toluene – ug/m <sup>3</sup>	13	14	11	730000	n
1,1,1-Trichloroethane – ug/m <sup>3</sup>	NS	NS	NS	730000	n
Trichloroethylene – ug/m <sup>3</sup>	NS	NS	NS	290	n
Trichlorofluoromethane (Halcarbon 11) – ug/m <sup>3</sup>	NS	NS	NS	NA	n
Trimethylbenzene (1,2,4) – ug/m <sup>3</sup>	2.6	2.1	6.5	8700	n
Trimethylbenzene (1,3,5) – ug/m <sup>3</sup>	0.72	0.64J	1.8	8700	n
Vinyl chloride – ug/m <sup>3</sup>	NS	NS	NS	930	c
Xylene (total) -ug/m <sup>3</sup>	320	10	26	15000	n

ug/m<sup>3</sup> = Micrograms per cubic meter.

< = Less than the reporting limit indicated in parentheses.

**Bold = Sub-Slab Standard Exceedance**

c = Carcinogen

n = Non-Carcinogen

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

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

B = Compound was found in the blank and sample

E = Result exceeded calibration range

NS = Not Sampled

**A.6 Water Level Elevations**  
**Maron Property BRRTS #03-14-563925**  
**Beaver Dam, Wisconsin**

	<b>MW-1</b>	<b>MW-1R</b>	<b>MW-2</b>	<b>MW-3</b>	<b>MW-4</b>	<b>MW-5</b>
<b>Ground Surface (feet msl)</b>	882.00	882.04	881.77	880.02	879.64	880.93
<b>PVC top (feet msl)</b>	884.27	NI	881.44	879.52	879.08	NI
<b>Re-surveyed 5-16-17 PVC top (feet msl)</b>		881.46		879.29	878.89	
<b>Well Depth (feet)</b>	13.00	13.00	14.00	13.00	13.00	13.00
<b>Top of screen (feet msl)</b>	879.00	879.04	877.77	877.02	876.64	877.93
<b>Bottom of screen (feet msl)</b>	869.00	869.04	867.77	867.02	866.64	867.93
<b>Depth to Water From Top of PVC (feet)</b>						
01/21/16	7.80	NI	3.84	3.43	3.02	NI
04/18/16	6.57	NI	2.75	2.24	2.08	NI
05/16/17	A	3.36	2.51	1.60	1.69	2.40
08/15/17	A	6.14	5.13	4.84	4.59	5.54
<b>Depth to Water From Ground Surface (feet)</b>						
01/21/16	5.53	NI	4.17	3.93	3.58	NI
04/18/16	4.30	NI	3.08	2.74	2.64	NI
05/16/17	A	3.94	2.84	2.33	2.44	2.72
08/15/17	A	6.72	5.46	5.57	5.34	5.86
<b>Groundwater Elevation (feet msl)</b>						
01/21/16	876.47	NI	877.60	876.09	876.06	NI
04/18/16	877.70	NI	878.69	877.28	877.00	NI
05/16/17	A	878.10	878.93	877.69	877.20	878.21
08/15/17	A	875.32	876.31	874.45	874.30	875.07

CNL = Could Not Locate

A = Abandoned and removed during soil excavation project

NI = Not Installed



A.7 Other  
 Groundwater NA Indicator Results  
 Maron Property BRRTS #03-14-563925

Well MW-1/1R

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Manganese (ppb)
01/21/16	2.26	7.13	155	6.7	769	<0.13	18.9	0.60	70.0
04/18/16	2.57	7.24	128	10.0	510	NS	NS	NS	NS
05/16/17	2.37	7.03	101	12.9	847	NS	NS	NS	NS
08/15/17	2.04	7.47	147	17.4	728	NS	NS	NS	NS
ENFORCE MENT STANDARD = <b>ES – Bold</b>						10	-	-	300
PREVENTIVE ACTION LIMIT = <i>PAL - Italics</i>						2	-	-	60

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

Well MW-2

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Manganese (ppb)
01/21/16	2.23	7.04	224	6.1	1351	0.434	158	0.04	79.6
04/18/16	2.81	7.03	109	10.3	814	NS	NS	NS	NS
05/16/17	6.32	6.87	293	13.1	1516	NS	NS	NS	NS
08/15/17	6.53	7.13	227	17.3	1844	NS	NS	NS	NS
ENFORCE MENT STANDARD = <b>ES – Bold</b>						10	-	-	300
PREVENTIVE ACTION LIMIT = <i>PAL - Italics</i>						2	-	-	60

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

Well MW-3

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Manganese (ppb)
01/21/16	2.88	7.05	224	5.4	883	1.19	30.8	0.03	32.5
04/18/16	3.56	6.97	203	10.0	618	NS	NS	NS	NS
05/16/17	3.17	7.12	216	13.6	1819	NS	NS	NS	NS
08/15/17	3.41	7.07	239	16.8	835	NS	NS	NS	NS
ENFORCE MENT STANDARD = <b>ES – Bold</b>						10	-	-	300
PREVENTIVE ACTION LIMIT = <i>PAL - Italics</i>						2	-	-	60

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

Well MW-4

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Manganese (ppb)
01/21/16	5.11	7.52	227	3.2	486	0.318	31.2	0.07	29.3
04/18/16	3.07	7.11	211	10.1	305	NS	NS	NS	NS
05/16/17	2.99	6.93	268	13.2	510	NS	NS	NS	NS
08/15/17	4.96	6.94	214	16.6	1257	NS	NS	NS	NS
ENFORCE MENT STANDARD = <b>ES – Bold</b>						10	-	-	300
PREVENTIVE ACTION LIMIT = <i>PAL - Italics</i>						2	-	-	60

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

A.7 Other  
 Groundwater NA Indicator Results  
 Maron Property BRRTS #03-14-563925

Well MW-5

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp ( C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Manganese (ppb)
05/16/17	4.69	6.52	257	13.3	1073	NS	NS	NS	NS
08/15/17	5.58	6.77	187	17.1	664	NS	NS	NS	NS
ENFORCE MENT STANDARD = <b>ES - Bold</b>						10	-	-	300
PREVENTIVE ACTION LIMIT = <i>PAL - Italics</i>						2	-	-	60

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

ns = not sampled

nm = not measured

ORP = Oxidation Reduction Potential

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

### A.7 Slug Test Calculations

Maron Property BRRTS #03-14-563925

#### MW-1

	<b>ft/s</b>	<b>cm/s</b>	<b>m/yr</b>
K	1.67E-05	5.09E-04	160.52
	<b>sq ft/s</b>	<b>sq cm/s</b>	
T	1.16E-04	1.08E-01	

#### MW-2

	<b>ft/s</b>	<b>cm/s</b>	<b>m/yr</b>
K	6.72E-06	2.05E-04	64.59
	<b>sq ft/s</b>	<b>sq cm/s</b>	
T	7.22E-05	6.71E-02	

#### MW-4

	<b>ft/s</b>	<b>cm/s</b>	<b>m/yr</b>
K	4.72E-06	1.44E-04	45.37
	<b>sq ft/s</b>	<b>sq cm/s</b>	
T	5.39E-05	5.01E-02	

Date	Elv. (High)	Elv. (Low)	Distance (ft)	Hyd Grad (l)
1/21/16	877.50	876.25	133	0.0093985
4/18/16	878.50	877.25	126	0.0099206
5/16/17	878.75	877.25	107	0.0140187
8/15/17	876.25	874.50	107	0.0163551

**Average**

0.0124232

	K (m/yr)	l	n	Flow Velocity (m/yr)
MW-1	160.52	0.0124232	0.3	6.64740
MW-2	64.59380122	0.0124232	0.3	2.67488
MW-4	45.36945562	0.0124232	0.3	1.87879

## **Attachment B/Maps and Figures**

### **B.1 Location Maps**

**B.1.a Location Map**

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

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

### **B.2 Soil Figures**

**B.2.a Soil Contamination**

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

### **B.3 Groundwater Figures**

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

**B.3.b Groundwater Isoconcentration**

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

**B.3.d Monitoring Wells**

### **B.4 Vapor Maps and Other Media**

**B.4.a Vapor Intrusion Map**

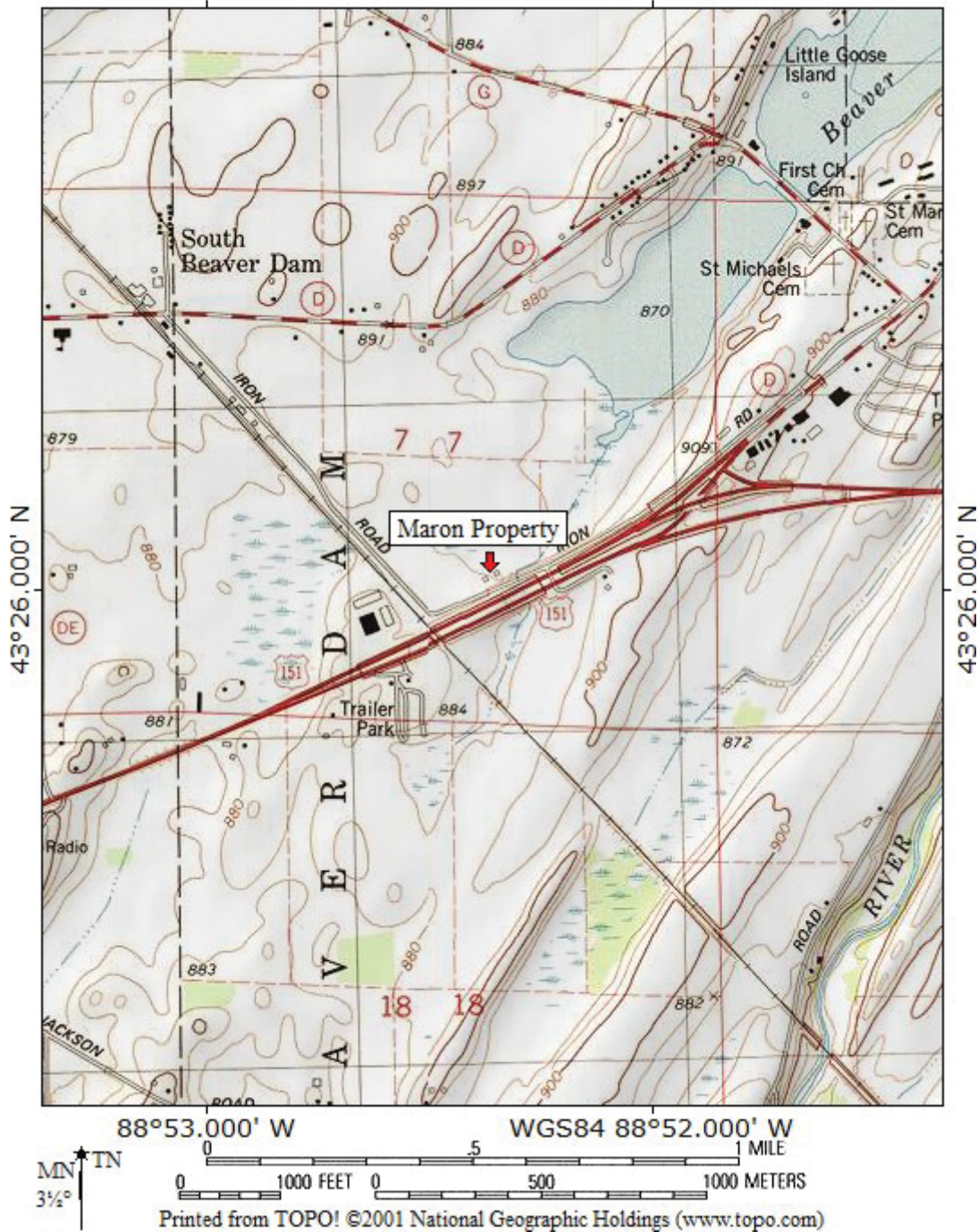
**B.4.b Other media of concern (e.g., sediment or surface water) – No surface waters or sediments were sampled as part of this site investigation.**

**B.4.c Other – No other relevant maps and/or figures are being included.**

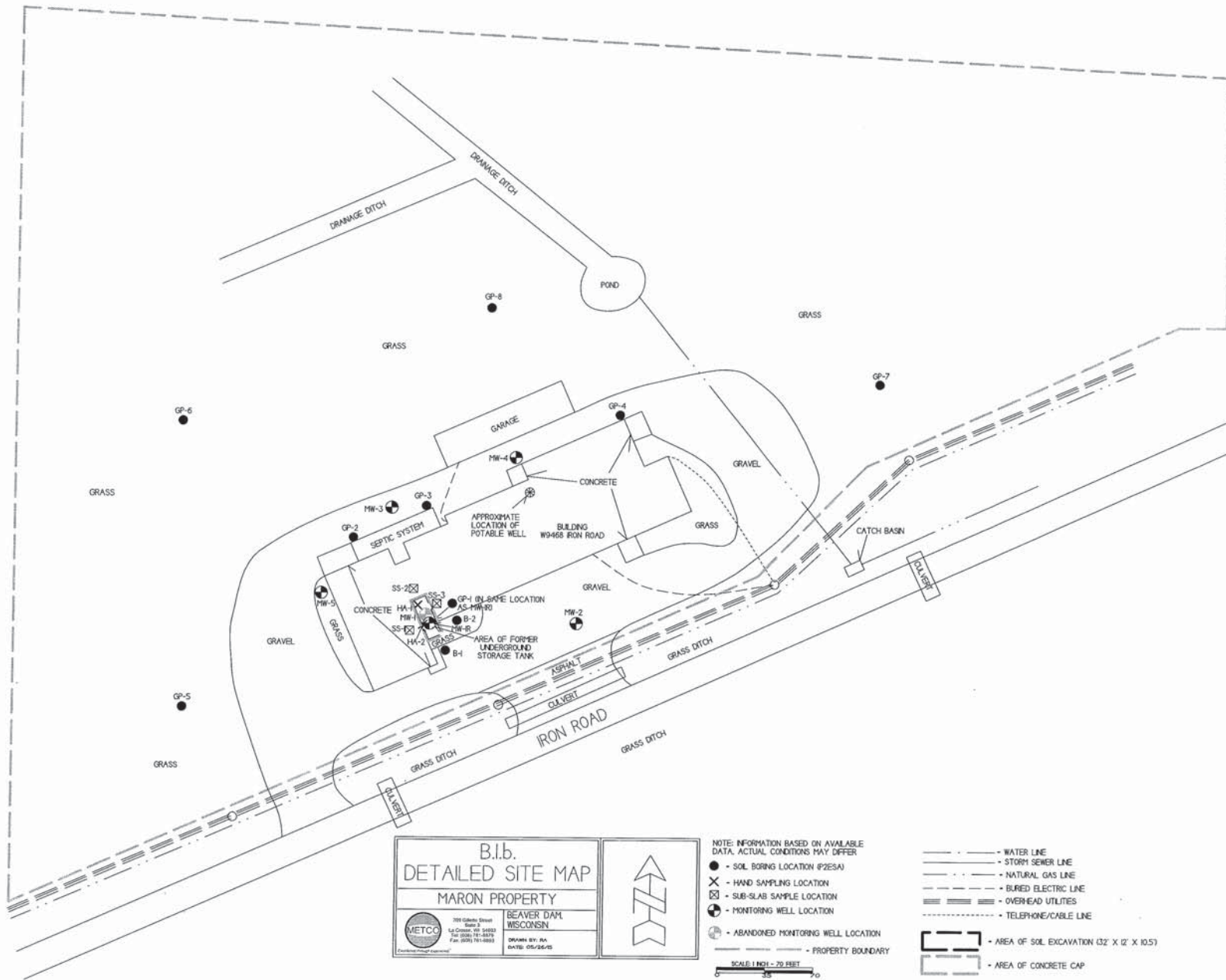
**B.5 Structural Impediment Photos – No structural impediments interfered with the investigation, therefore no photos are being included.**



TOPO! map printed on 10/23/15 from "Wisconsin.tpo" and "Untitled.tpg"  
88°53.000' W WGS84 88°52.000' W



B.1.a LOCATION MAP
CONTOUR INTERVAL 10 FEET
MARON PROPERTY – BEAVER DAM, WI
SEAMLESS USGS TOPOGRAPHIC MAPS ON CD-ROM



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

 <small>METCO        700 Gilman Street        Suite 3        La Crosse, WI 54601        Tel: (608) 785-8879        Fax: (608) 785-1888</small>	<b>BEAVER DAM        WISCONSIN</b> <small>DRAWN BY: JKA        DATE: 05/26/25</small>
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NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER

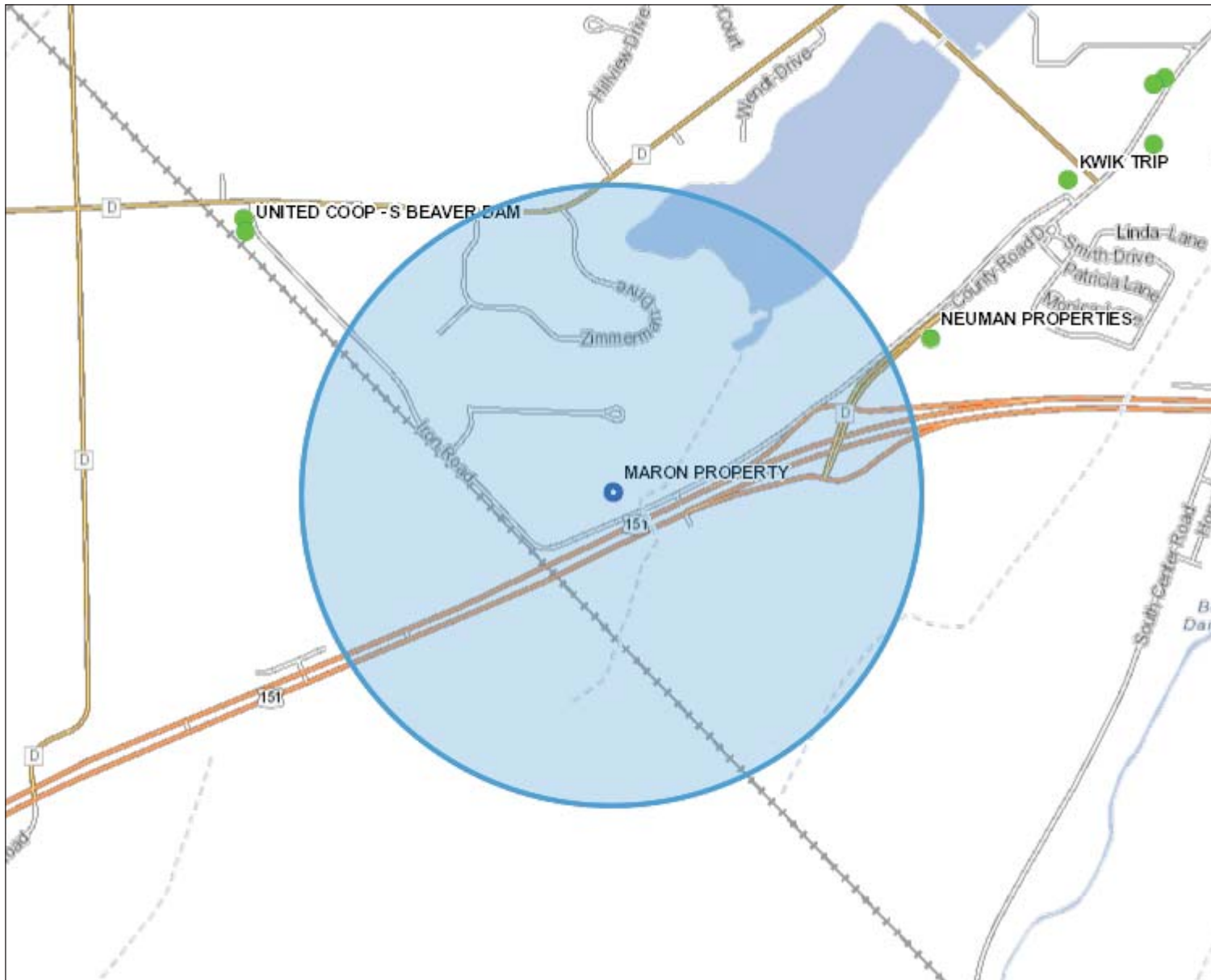
- - SOIL BORING LOCATION (#225A)
- ✕ - HAND SAMPLING LOCATION
- ⊠ - SUB-SLAB SAMPLE LOCATION
- ⊙ - MONITORING WELL LOCATION
- ⊕ - ABANDONED MONITORING WELL LOCATION
- - PROPERTY BOUNDARY

SCALE: 1" = 70 FEET

- WATER LINE
- STORM SEWER LINE
- NATURAL GAS LINE
- BURIED ELECTRIC LINE
- OVERHEAD UTILITIES
- TELEPHONE/CABLE LINE
- AREA OF SOIL EXCAVATION (3' X 12' X 10.5')
- AREA OF CONCRETE CAP



# B.1.c RR Sites Map



### Legend

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



NAD\_1983\_HARN\_Wisconsin\_TM

© Latitude Geographics Group Ltd.

1: 15,840



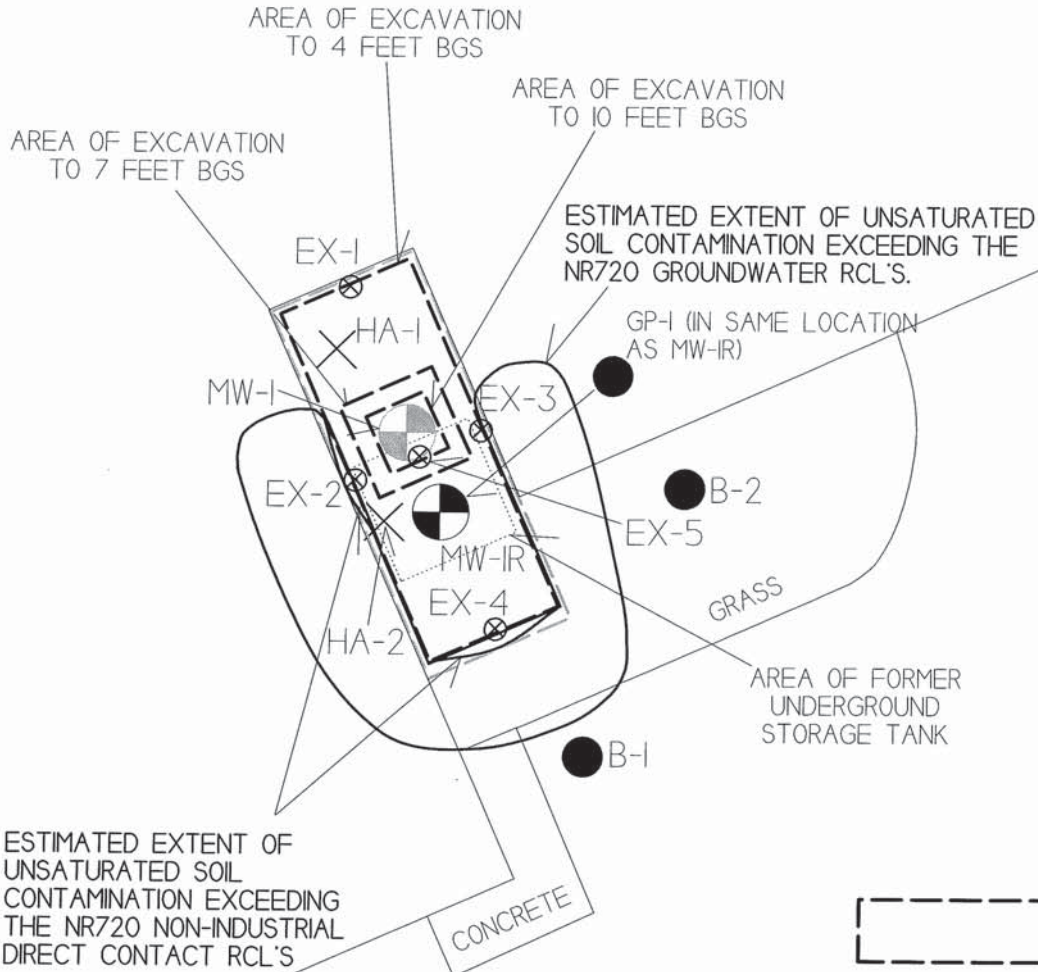
DISCLAIMER: The information shown on these maps has been obtained from various sources, and are of varying age, reliability and resolution. These maps are not intended to be used for navigation or public access. No warranty, expressed or implied, is made regarding accuracy, applicability for a particular 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



BUILDING  
W9468 IRON ROAD



B.2.a SOIL CONTAMINATION		
MARON PROPERTY		
	709 Gillette Street Suite 3 La Crosse, WI 54603 Tel: (608) 781-8879 Fax: (608) 781-8893	BEAVER DAM, WISCONSIN
	DRAWN BY: RA DATE: 05/26/15	

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

- - SOIL BORING LOCATION (P2ESA)
- ✕ - HAND SAMPLING LOCATION
- ⊗ - EXCAVATION SAMPLE LOCATION
- ◐ - MONITORING WELL LOCATION
- ◑ - ABANDONED MONITORING WELL LOCATION

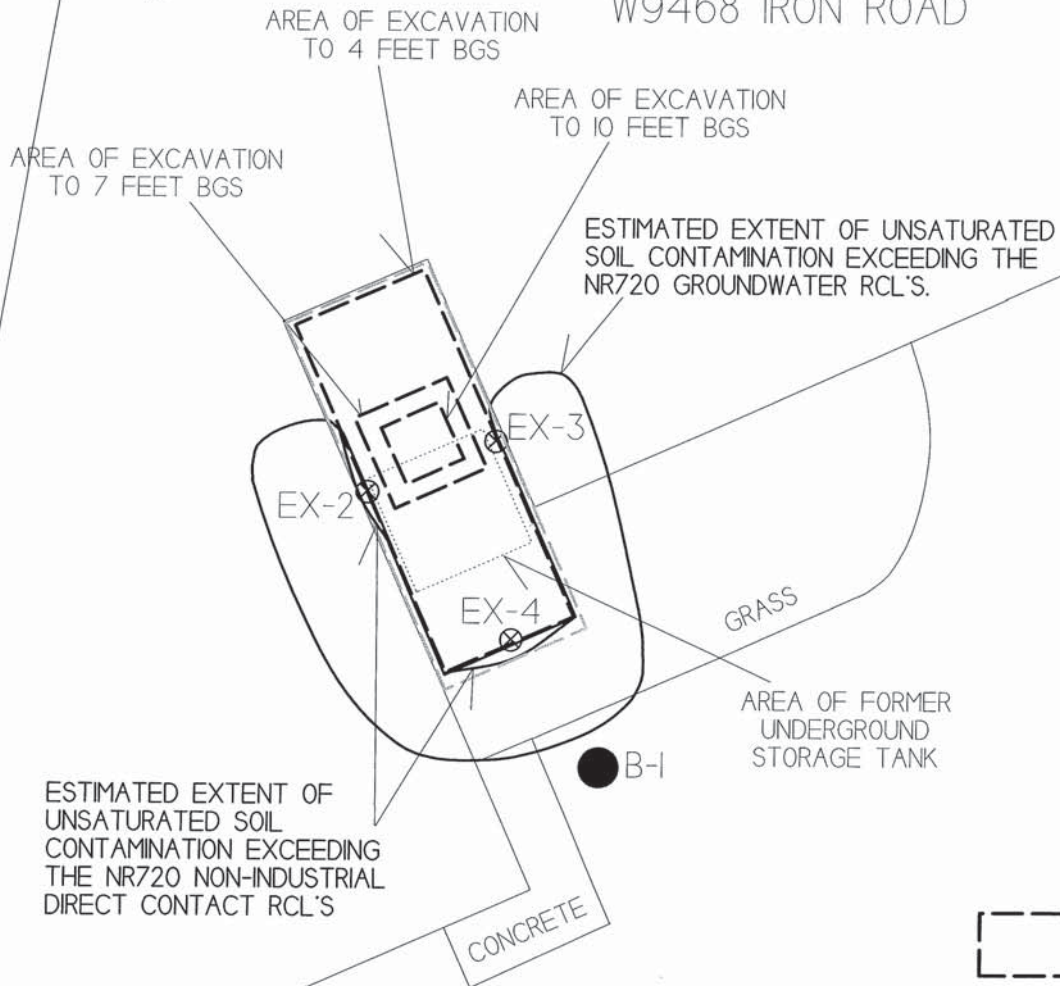




- AREA OF SOIL EXCAVATION (32' X 12' X 10.5')

- AREA OF CONCRETE CAP



BUILDING  
W9468 IRON ROAD





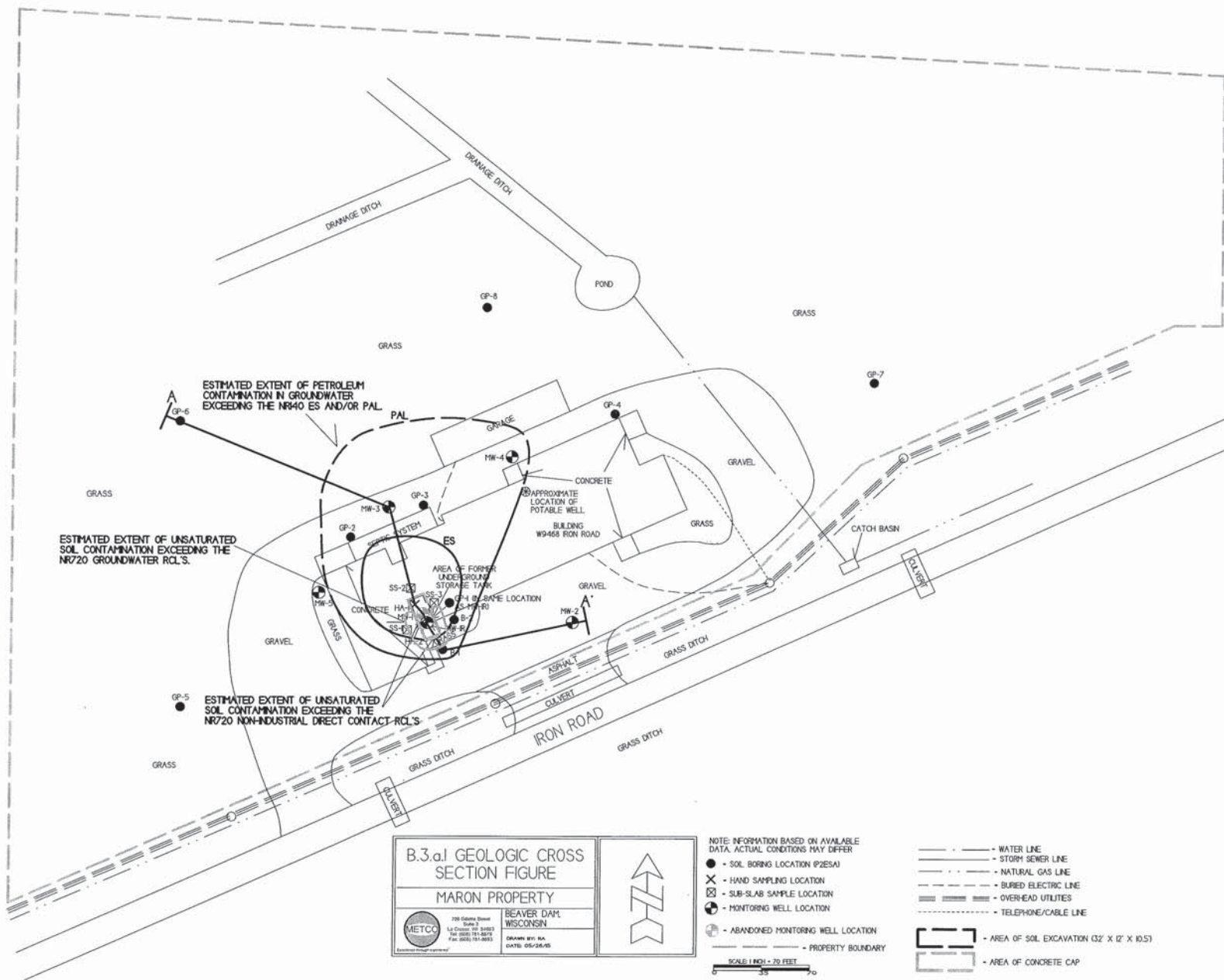
B.2.b RESIDUAL SOIL CONTAMINATION		
MARON PROPERTY		
 <small>709 Gillette Street Suite 3 La Crosse, WI 54603 Tel: (608) 781-8879 Fax: (608) 781-8893 Excellence through experience™</small>	BEAVER DAM, WISCONSIN	
	DRAWN BY: RA DATE: 05/26/15	

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

- = SOIL BORING LOCATION (P2ESA)
- ⊗ = HAND SAMPLING LOCATION
- ⊗ = EXCAVATION SAMPLE LOCATION
- ◐ = MONITORING WELL LOCATION
- ◑ = ABANDONED MONITORING WELL LOCATION



-  = AREA OF SOIL EXCAVATION (32' X 12' X 10.5')
-  = AREA OF CONCRETE CAP



B.3.a.2 GEOLOGIC CROSS SECTION FIGURE (CLOSE UP)

MARON PROPERTY

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

BEAVER DAM, WISCONSIN

DRAWN BY: RA  
DATE: 05/26/15

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

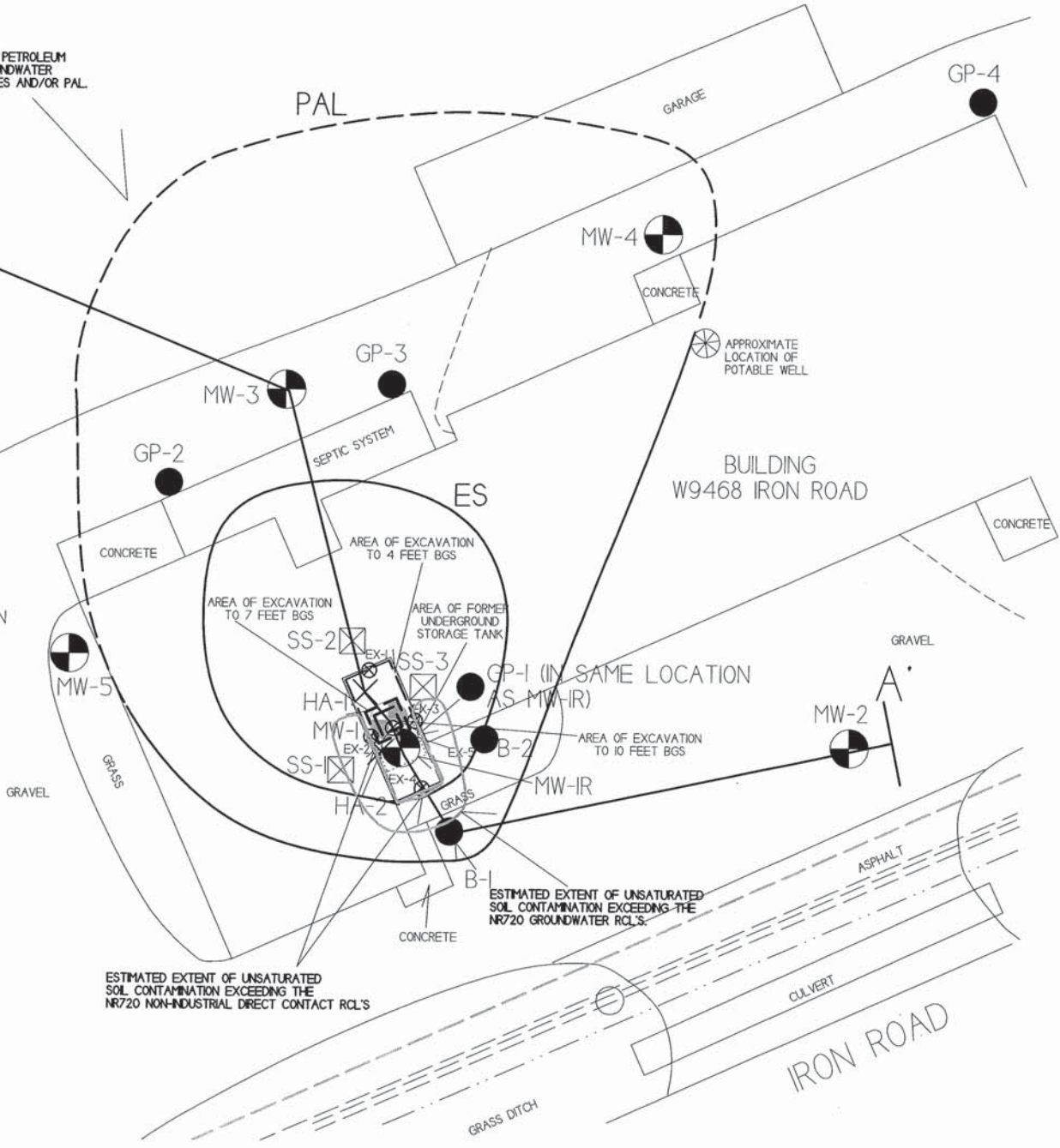
- - SOIL BORING LOCATION (P2ESA)
- ✕ - HAND SAMPLING LOCATION
- ⊠ - SUB-SLAB SAMPLE LOCATION
- ⊗ - EXCAVATION SAMPLE LOCATION
- ⊙ (with cross) - MONITORING WELL LOCATION
- ⊙ (with dot) - ABANDONED MONITORING WELL LOCATION



- - - - - PROPERTY BOUNDARY
- - - - - WATER LINE
- - - - - STORM SEWER LINE
- - - - - NATURAL GAS LINE
- - - - - BURIED ELECTRIC LINE
- ==== OVERHEAD UTILITIES
- ..... TELEPHONE/CABLE LINE

- [Dashed rectangle] - AREA OF SOIL EXCAVATION (32' X 12' X 10.5')
- [Dotted rectangle] - AREA OF CONCRETE CAP

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



ESTIMATED EXTENT OF UNSATURATED SOIL CONTAMINATION EXCEEDING THE NR720 NON-INDUSTRIAL DIRECT CONTACT RCL'S

ESTIMATED EXTENT OF UNSATURATED SOIL CONTAMINATION EXCEEDING THE NR720 GROUNDWATER RCL'S



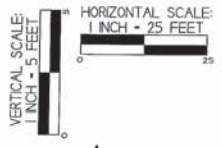
**B.3.a.3 GEOLOGIC CROSS-SECTION FIGURE**

**MARON PROPERTY**

700 Glendale Street  
 Beaver Dam, WI 53009  
 Tel: (608) 781-8872  
 Fax: (608) 781-8873

BEAVER DAM, WISCONSIN

DRAWN BY: HPI  
 DATE: 8/6/2008

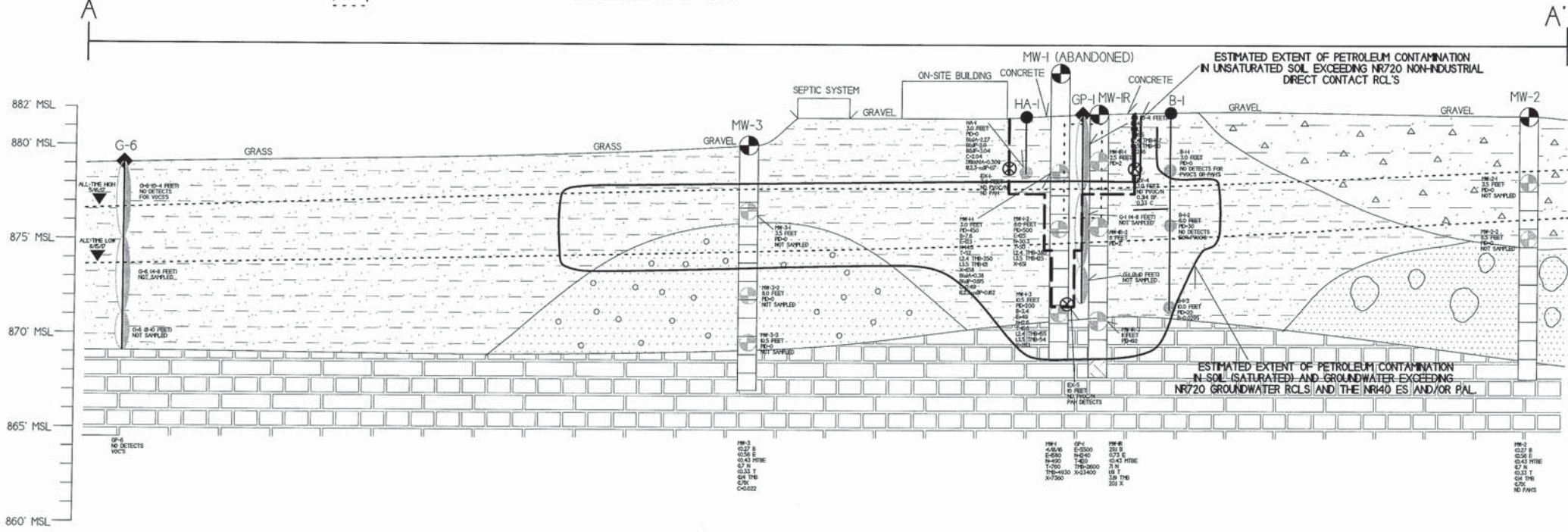


- ◆ - GEOPROBE BORING LOCATION (P2ESA)
- - SOIL BORING LOCATION
- ⊕ - MONITORING WELL LOCATION
- ⊖ - GEOPROBE BORING SAMPLING INTERVAL
- - SOIL BORING SAMPLING LOCATION
- ⊕ - MONITORING WELL SAMPLING LOCATION
- ▼ - WATERTABLE (BASED ON ALL-TIME LOW AND ALL-TIME HIGH MEASUREMENTS)
- ⊠ - EXCAVATION SAMPLE LOCATION
- ⊠ - AREA OF SOIL EXCAVATION (32' X 12' X 10.5')
- ▨ - TAN TO BROWN TO GRAY SANDY SILT/CLAY.
- ▨ - TAN FINE TO MEDIUM GRAINED SILTY SAND WITH GRAVEL.
- ▨ - TAN TO GRAY FINE TO MEDIUM GRAINED SAND WITH GRAVEL.
- ▨ - GRAY DOLOMITE (BEDROCK).
- ▨ - TILL WITH COBBLES AND BOULDERS.

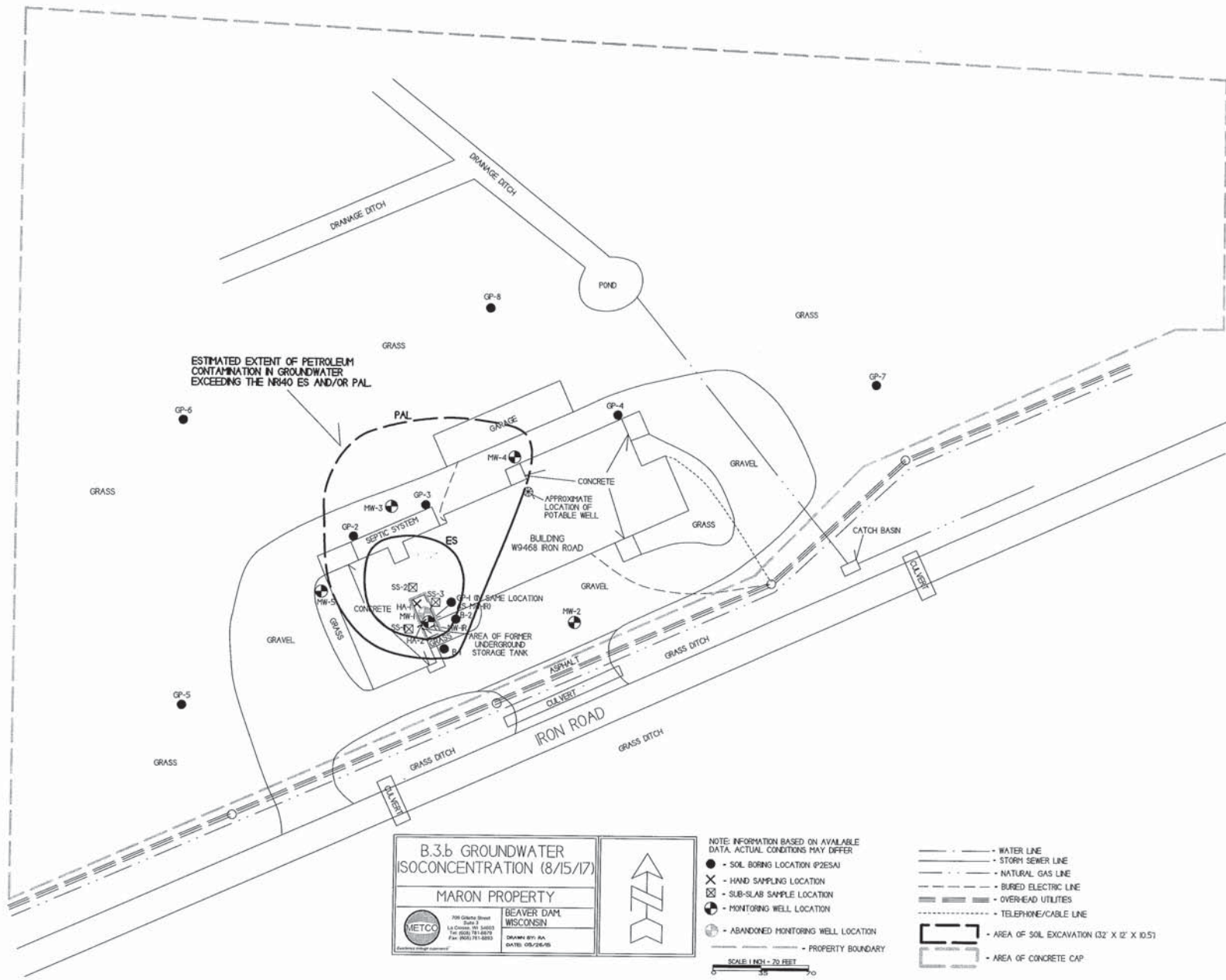
NOTES:

- INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER.
- SOIL SAMPLE RESULTS ARE PRESENTED IN PARTS PER MILLION (PPM)
- GROUNDWATER SAMPLE RESULTS ARE PRESENTED IN PARTS PER BILLION (PPB)
- ONLY SOIL EXCEEDANCES HAVE BEEN DOCUMENTED ON THE MAP. SEE DATA TABLES AND/OR LABORATORY REPORTS FOR ALL SOIL RESULTS.
- SOIL AND GROUNDWATER SAMPLE DATA IS BASED ON LABORATORY RESULTS FROM SAMPLES COLLECTED DURING THE:
  - GEOPROBE PROJECT - (5/7/2005)
  - DRILLING PROJECT - (8/30/2005 & 5/4/2007)
  - ROUND 4 GROUNDWATER SAMPLING - (8/6/2007)

ND - NO DETECTS  
 PD-PHOTOIONIZATION DETECTOR  
 PVOC-PETROLEUM VOLATILE ORGANIC COMPOUNDS  
 PAH-POLYCYCLIC AROMATIC HYDROCARBON  
 B-BENZENE  
 E-ETHYLBENZENE  
 N-NAPHTHALENE  
 T-TOLUENE  
 1,2,4-TMB-1,2,4-TRIMETHYLBENZENE  
 1,3,5-TMB-1,3,5-TRIMETHYLBENZENE  
 X-XYLENE  
 B(a)A-BENZ(a)ANTHRACENE  
 B(a)P-BENZ(a)PYRENE  
 B(b)F-BENZ(b)FLURANTHENE  
 C-CRYSENE  
 B(b)A(h)A-DBENZ(a,h)ANTHRACENE  
 I(1,2,3-cd)P-INDEN(1,2,3-cd)PYRENE







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

DRAINAGE DITCH

POND

PAL

GAUGE

CONCRETE

GRAVEL

SEPTIC SYSTEM

APPROXIMATE LOCATION OF POTABLE WELL

BUILDING W9468 IRON ROAD

CATCH BASIN

CONCRETE

SS-2

SS-3

SS-4

SS-5

SS-6

SS-7

SS-8

SS-9

SS-10

APPROXIMATE LOCATION OF POTABLE WELL

APPROXIMATE LOCATION OF POTABLE WELL

APPROXIMATE LOCATION OF POTABLE WELL

APPROXIMATE LOCATION OF POTABLE WELL

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APPROXIMATE LOCATION OF POTABLE WELL

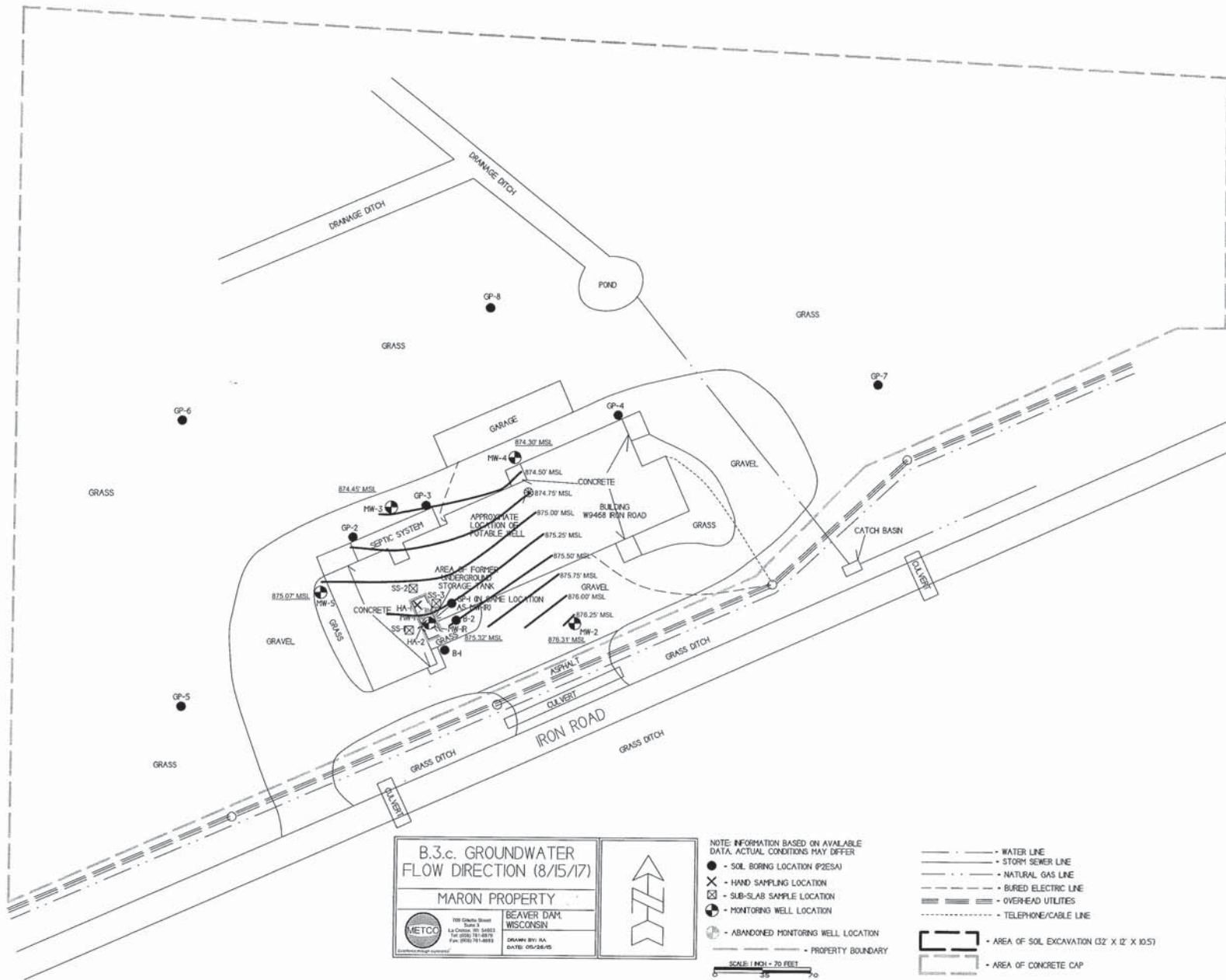
APPROXIMATE LOCATION OF POTABLE WELL

APPROXIMATE LOCATION OF POTABLE WELL

APPROXIMATE LOCATION OF POTABLE WELL

APPROXIMATE LOCATION OF POTABLE WELL

APPROXIMATE LOCATION OF POTABLE WELL



**B.3.c. GROUNDWATER FLOW DIRECTION (8/15/17)**

**MARON PROPERTY**



100 Graham Street  
Suite 3  
144 Center Street  
Fairfield, WI 54621  
Fax: (715) 761-8879  
Fax: (715) 761-8888

**BEAVER DAM WISCONSIN**  
DRAWN BY: JKA  
DATE: 05/08/15



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

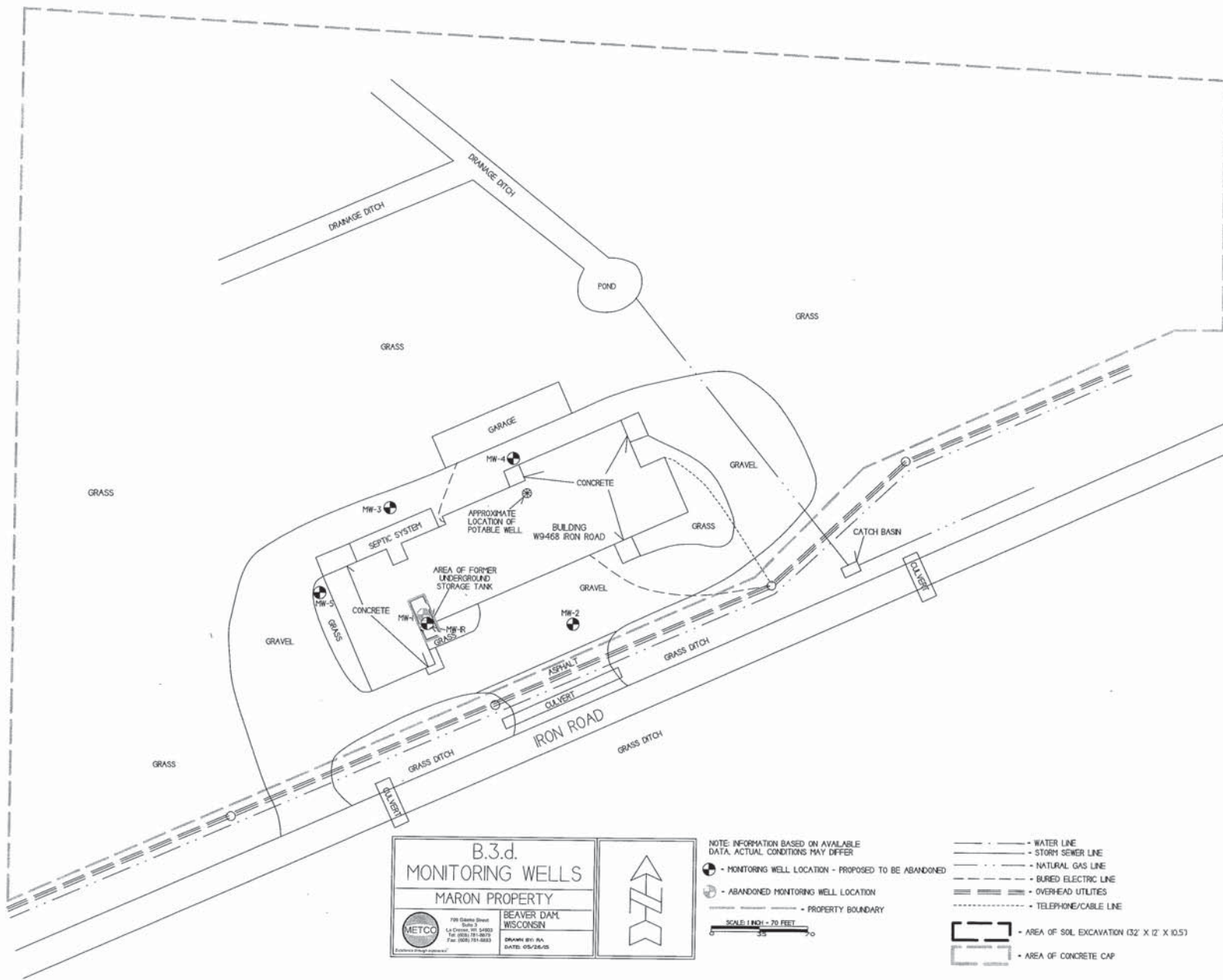
- - SOIL BORING LOCATION (#2ESAJ)
- X - HAND SAMPLING LOCATION
- ⊠ - SUB-SLAB SAMPLE LOCATION
- ⊙ - MONITORING WELL LOCATION
- ⊕ - ABANDONED MONITORING WELL LOCATION

- - PROPERTY BOUNDARY

SCALE: 1 INCH = 20 FEET

- - WATER LINE
- - STORM SEWER LINE
- - NATURAL GAS LINE
- - BURIED ELECTRIC LINE
- - OVERHEAD UTILITIES
- - TELEPHONE/CABLE LINE

- ⊠ - AREA OF SOIL EXCAVATION (3' X 12' X 10.5')
- ⊠ - AREA OF CONCRETE CAP



<p>B.3.d. MONITORING WELLS MARON PROPERTY</p>		
<p>BEAVER DAM WISCONSIN</p>		
	<p>1700 Main Street Suite 2 Beaver Dam, WI 53002 Tel: (920) 761-8873 Fax: (920) 761-8883</p>	<p>BEAVER DAM WISCONSIN DRAWN BY: RA DATE: 05/26/15</p>

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

- MONITORING WELL LOCATION - PROPOSED TO BE ABANDONED  
 - ABANDONED MONITORING WELL LOCATION  
 - PROPERTY BOUNDARY

SCALE 1 INCH = 70 FEET

- WATER LINE
- STORM SEWER LINE
- NATURAL GAS LINE
- BURIED ELECTRIC LINE
- OVERHEAD UTILITIES
- TELEPHONE/CABLE LINE
- AREA OF SOIL EXCAVATION (32' X 12' X 10.5')
- AREA OF CONCRETE CAP







## Attachment C/Documentation of Remedial Action

- C.1 Site Investigation documentation – One round of groundwater monitoring has been conducted since the last submittal to the WDNR. Attached is the laboratory report for the groundwater monitoring event conducted on August 15, 2017.**
- C.2 Investigative waste**
- C.3 Provide a description of the methodology used along with all supporting documentation if the Residual Contaminant Levels are different than those contained in the Department's RCL Spreadsheet available at: <http://dnr.wi.gov/topic/brownfields.Professionals.html> - Residual Contaminant Levels (RCLs) were established in accordance with NR720.10 and NR720.12. Soil RCLs for the protection of the groundwater pathway and for non-industrial direct contact were taken from the RR programs RCL spreadsheet.
- C.4 Construction documentation – No Remedial actions and/or interim actions specified in s.NR724.01(1) occurred at this site.
- C.5 Decommissioning of Remedial Systems – No remedial systems were installed as part of this site investigation.
- C.6 Other – Not applicable

# C.1 Site Investigation Documentation

## Synergy Environmental Lab,

1990 Prospect Ct., Appleton, WI 54914 \*P 920-830-2455 \* F 920-733-0631

KAREN MARON  
KAREN MARON  
7420 W. DRUMMOMD STREET  
IRON RIVER, WI 54847

Report Date 23-Aug-17

Project Name MARON PROPERTY  
Project #

Invoice # E33414

Lab Code 5033414A  
Sample ID W9468 PW  
Sample Matrix Water  
Sample Date 8/15/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.27	ug/l	0.27	0.87	1	GRO95/8021		8/18/2017	CJR	1
Ethylbenzene	< 0.56	ug/l	0.56	1.77	1	GRO95/8021		8/18/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.43	ug/l	0.43	1.36	1	GRO95/8021		8/18/2017	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.27	1	GRO95/8021		8/18/2017	CJR	1
Toluene	< 0.33	ug/l	0.33	1.06	1	GRO95/8021		8/18/2017	CJR	1
1,2,4-Trimethylbenzene	< 0.56	ug/l	0.56	1.78	1	GRO95/8021		8/18/2017	CJR	1
1,3,5-Trimethylbenzene	< 0.58	ug/l	0.58	1.84	1	GRO95/8021		8/18/2017	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.49	1	GRO95/8021		8/18/2017	CJR	1
o-Xylene	< 0.61	ug/l	0.61	1.92	1	GRO95/8021		8/18/2017	CJR	1

Lab Code 5033414B  
Sample ID MW-2  
Sample Matrix Water  
Sample Date 8/15/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.27	ug/l	0.27	0.87	1	GRO95/8021		8/18/2017	CJR	1
Ethylbenzene	< 0.56	ug/l	0.56	1.77	1	GRO95/8021		8/18/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.43	ug/l	0.43	1.36	1	GRO95/8021		8/18/2017	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.27	1	GRO95/8021		8/18/2017	CJR	1
Toluene	< 0.33	ug/l	0.33	1.06	1	GRO95/8021		8/18/2017	CJR	1
1,2,4-Trimethylbenzene	< 0.56	ug/l	0.56	1.78	1	GRO95/8021		8/18/2017	CJR	1
1,3,5-Trimethylbenzene	< 0.58	ug/l	0.58	1.84	1	GRO95/8021		8/18/2017	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.49	1	GRO95/8021		8/18/2017	CJR	1
o-Xylene	< 0.61	ug/l	0.61	1.92	1	GRO95/8021		8/18/2017	CJR	1

Project #

Lab Code 5033414C  
 Sample ID MW-5  
 Sample Matrix Water  
 Sample Date 8/15/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.27	ug/l	0.27	0.87	1	GRO95/8021		8/18/2017	CJR	1
Ethylbenzene	< 0.56	ug/l	0.56	1.77	1	GRO95/8021		8/18/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.43	ug/l	0.43	1.36	1	GRO95/8021		8/18/2017	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.27	1	GRO95/8021		8/18/2017	CJR	1
Toluene	0.38 "J"	ug/l	0.33	1.06	1	GRO95/8021		8/18/2017	CJR	1
1,2,4-Trimethylbenzene	< 0.56	ug/l	0.56	1.78	1	GRO95/8021		8/18/2017	CJR	1
1,3,5-Trimethylbenzene	< 0.58	ug/l	0.58	1.84	1	GRO95/8021		8/18/2017	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.49	1	GRO95/8021		8/18/2017	CJR	1
o-Xylene	< 0.61	ug/l	0.61	1.92	1	GRO95/8021		8/18/2017	CJR	1

Lab Code 5033414D  
 Sample ID MW-4  
 Sample Matrix Water  
 Sample Date 8/15/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.27	ug/l	0.27	0.87	1	GRO95/8021		8/18/2017	CJR	1
Ethylbenzene	< 0.56	ug/l	0.56	1.77	1	GRO95/8021		8/18/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.43	ug/l	0.43	1.36	1	GRO95/8021		8/18/2017	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.27	1	GRO95/8021		8/18/2017	CJR	1
Toluene	< 0.33	ug/l	0.33	1.06	1	GRO95/8021		8/18/2017	CJR	1
1,2,4-Trimethylbenzene	< 0.56	ug/l	0.56	1.78	1	GRO95/8021		8/18/2017	CJR	1
1,3,5-Trimethylbenzene	< 0.58	ug/l	0.58	1.84	1	GRO95/8021		8/18/2017	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.49	1	GRO95/8021		8/18/2017	CJR	1
o-Xylene	< 0.61	ug/l	0.61	1.92	1	GRO95/8021		8/18/2017	CJR	1

Lab Code 5033414E  
 Sample ID MW-3  
 Sample Matrix Water  
 Sample Date 8/15/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.27	ug/l	0.27	0.87	1	GRO95/8021		8/18/2017	CJR	1
Ethylbenzene	< 0.56	ug/l	0.56	1.77	1	GRO95/8021		8/18/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.43	ug/l	0.43	1.36	1	GRO95/8021		8/18/2017	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.27	1	GRO95/8021		8/18/2017	CJR	1
Toluene	< 0.33	ug/l	0.33	1.06	1	GRO95/8021		8/18/2017	CJR	1
1,2,4-Trimethylbenzene	< 0.56	ug/l	0.56	1.78	1	GRO95/8021		8/18/2017	CJR	1
1,3,5-Trimethylbenzene	< 0.58	ug/l	0.58	1.84	1	GRO95/8021		8/18/2017	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.49	1	GRO95/8021		8/18/2017	CJR	1
o-Xylene	< 0.61	ug/l	0.61	1.92	1	GRO95/8021		8/18/2017	CJR	1

Project Name MARON PROPERTY  
 Project #

Invoice # E33414

Lab Code 5033414F  
 Sample ID MW-1R  
 Sample Matrix Water  
 Sample Date 8/15/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	29.1	ug/l	0.27	0.87	1	GRO95/8021		8/18/2017	CJR	1
Ethylbenzene	0.73 "J"	ug/l	0.56	1.77	1	GRO95/8021		8/18/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.43	ug/l	0.43	1.36	1	GRO95/8021		8/18/2017	CJR	1
Naphthalene	71	ug/l	1.7	5.27	1	GRO95/8021		8/18/2017	CJR	1
Toluene	1.61	ug/l	0.33	1.06	1	GRO95/8021		8/18/2017	CJR	1
1,2,4-Trimethylbenzene	1.81	ug/l	0.56	1.78	1	GRO95/8021		8/18/2017	CJR	1
1,3,5-Trimethylbenzene	1.38 "J"	ug/l	0.58	1.84	1	GRO95/8021		8/18/2017	CJR	1
m&p-Xylene	6.6	ug/l	1.1	3.49	1	GRO95/8021		8/18/2017	CJR	1
o-Xylene	13.5	ug/l	0.61	1.92	1	GRO95/8021		8/18/2017	CJR	1

Lab Code 5033414G  
 Sample ID TB  
 Sample Matrix Water  
 Sample Date 8/15/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.27	ug/l	0.27	0.87	1	GRO95/8021		8/18/2017	CJR	1
Ethylbenzene	< 0.56	ug/l	0.56	1.77	1	GRO95/8021		8/18/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.43	ug/l	0.43	1.36	1	GRO95/8021		8/18/2017	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.27	1	GRO95/8021		8/18/2017	CJR	1
Toluene	< 0.33	ug/l	0.33	1.06	1	GRO95/8021		8/18/2017	CJR	1
1,2,4-Trimethylbenzene	< 0.56	ug/l	0.56	1.78	1	GRO95/8021		8/18/2017	CJR	1
1,3,5-Trimethylbenzene	< 0.58	ug/l	0.58	1.84	1	GRO95/8021		8/18/2017	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.49	1	GRO95/8021		8/18/2017	CJR	1
o-Xylene	< 0.61	ug/l	0.61	1.92	1	GRO95/8021		8/18/2017	CJR	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

**Code**      **Comment**

1      Laboratory QC within limits.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature

*Michael Ricker*



CHAIN OF CUSTODY RECORD

# Synergy

## Environmental Lab, Inc.

1990 Prospect Ct. • Appleton, WI 54914  
920-830-2455 • FAX 920-733-0631

Chain # No 338

Page 1 of 1

**Sample Handling Request**

Rush Analysis Date Required \_\_\_\_\_  
(Rushes accepted only with prior authorization)  
 Normal Turn Around

Lab I.D. # \_\_\_\_\_  
Account No. : \_\_\_\_\_ Quote No. : \_\_\_\_\_  
Project #: \_\_\_\_\_  
Sampler: (signature) *Jim Jam*

Project (Name / Location): *Maron Property / Beaver Dam*

Reports To: *Karen Maron*  
Company \_\_\_\_\_  
Address *7420 W. Drummond St*  
City State Zip *Iron River, WI 54847*  
Phone \_\_\_\_\_  
FAX \_\_\_\_\_

Invoice To: *K. Maron*  
Company *C/O METCO*  
Address *709 Gillette St, Ste. 3*  
City State Zip *La Crosse, WI 54603*  
Phone \_\_\_\_\_  
FAX \_\_\_\_\_

Analysis Requested												Other Analysis													
DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 524.2)	VOC (EPA 8260)	8-RCRA METALS												

Lab I.D.	Sample I.D.	Collection Date	Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation
<i>SOS SH14 A</i>	<i>W9468 PW</i>	<i>8-15</i>	<i>840</i>				<i>3</i>	<i>GW</i>	<i>ALL</i>
<i>B</i>	<i>MW-2</i>		<i>900</i>						
<i>C</i>	<i>MW-5</i>		<i>925</i>						
<i>D</i>	<i>MW-4</i>		<i>950</i>						
<i>E</i>	<i>MW-3</i>		<i>1010</i>						
<i>F</i>	<i>MW-1R</i>		<i>1035</i>						
<i>G</i>	<i>TB</i>								

Comments/Special Instructions (\*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)  
*Lab to send copy of report to METCO / Jason P. (Invoice to METCO)*  
*\* rate rates apply*  
*\* Agent status*

Sample Integrity - To be completed by receiving lab.  
Method of Shipment: *GC*  
Temp. of Temp. Blank \_\_\_\_\_ °C On Ice:   
Cooler seal intact upon receipt:  Yes \_\_\_\_\_ No

Relinquished By: (sign) *Jim Jam* Time *2:00 PM* Date *8-15-17*  
Received By: (sign) \_\_\_\_\_ Time \_\_\_\_\_ Date \_\_\_\_\_  
Received in Laboratory By: *Christina P...* Time: *8:00* Date: *8/16/17*



**DKS Transport Services, LLC**

N7349 548th Street  
Menomonie, WI 54751

715-556-2604

INVOICE

4-29

20 16

CUSTOMER

JOB NAME

Karen Maron 90 Matco  
709 Gillette Street Ste 3  
La Crosse WI 54603

Maron Property  
Brown Dam WI

CASH  CHECK # \_\_\_\_\_  IN-HOUSE ACCOUNT

QUANTITY		DESCRIPTION	QTY.	UNIT PRICE		AMOUNT	
DATE	SHIPPED						
	1	Mobilization	1	287	70	287	70
	5	Haul soil drums to Advanced Disposal CC	5	108	15	540	75
	1	Haul metal drum to Advanced Disposal CC	1	42	11	42	11
<i>Thank You</i>							
<i>Matt [Signature]</i>							
						TOTAL	870 56

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

SIGNATURE \_\_\_\_\_

157

*Inv. Waste Disposal (*  
*Reviewed 4/29/16*  
*OK*  
*[Signature]*

# C. 2 Investigative Waste

N7296 HIGHWAY V  
HORIZON, WI 53032  
9203870987

#1

000493  
DKS CONSTRUCTION  
2520 WILSON STREET  
MENOMONIE, WI 54751

INVOICE  
INBOUND

SITE	CELL	TICKET #	OPERATOR	
E6		823568	DSSellnow	
TRUCK		CONTAINER	LICENSE	
DKS 44				
REFERENCE			IN	OUT
MARON PROPERTY			4/25/17 6:41 am	4/25/17 6:56 am

CONTRACT: GRL 170338		GROSS 73,160.00LBS Scale In					
BOL: 153008		TARE 30,000.00LBS Scale Out					
		NET 43,160.00 LBS					
QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL
21.58	TN	C-Soil/33D@, Pet-Fuel Oil		0.00			

Thank you for using Advanced Disposal Glacier Ridge Landfill!

Total  
Paid  
Change  
Check#  
Recpt #

I hereby certify that this load does not contain any unauthorized hazardous waste.

SIGNATURE: \_\_\_\_\_

CUSTOMER COPY

GLACIER RIDGE LANDFILL  
N7296 HIGHWAY V  
HORIZON, WI 53032  
9203870987

#2

000493  
DKS CONSTRUCTION  
2520 WILSON STREET  
MENOMONIE, WI 54751

INVOICE  
INBOUND

SITE	CELL	TICKET #	OPERATOR	
E6		823610	63418	
TRUCK		CONTAINER	LICENSE	
DKS 44				
REFERENCE			IN	OUT
MARON PROPERTY			4/25/17 9:05 am	4/25/17 9:15 am

CONTRACT: GRL 170338		GROSS 72,420.00LBS Scale In					
BOL: 153007		TARE 29,960.00LBS Scale Out					
		NET 42,460.00 LBS					
QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL
21.23	TN	C-Soil/33D@, Pet-Fuel Oil		0.00			

Thank you for using Advanced Disposal Glacier Ridge Landfill!

Total  
Paid  
Change  
Check#  
Recpt #

I hereby certify that this load does not contain any unauthorized hazardous waste.

SIGNATURE: \_\_\_\_\_

CUSTOMER COPY

N7296 HIGHWAY V  
 HORICON, WI 53032  
 9203870987

37

000493  
 DKS CONSTRUCTION  
 2520 WILSON STREET  
 MENOMONIE, WI 54751

INVOICE  
 INBOUND

SITE	CELL	TICKET #	OPERATOR	
E6		823654	63418	
TRUCK		CONTAINER	LICENSE	
DKS 44				
REFERENCE			IN	OUT
MARON			4/25/17 10:57 am	4/25/17 11:06 am

CONTRACT: GRL 170338		GROSS 72,020.00LBS Manual In							
BOL: 153006		TARE 29,920.00LBS Scale Out							
		NET 42,100.00LBS							
QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL		
21.05	TN	C-Soil/33D@, Pet-Fuel Oil		0.00					

Thank you for using Advanced Disposal Glacier Ridge Landfill!

Total  
 Paid  
 Change  
 Check#  
 Recpt #

I hereby certify that this load does not contain any unauthorized hazardous waste.

SIGNATURE: \_\_\_\_\_

CUSTOMER COPY

GLACIER RIDGE LANDFILL  
 N7296 HIGHWAY V  
 HORICON, WI 53032  
 9203870987

44

000493  
 DKS CONSTRUCTION  
 2520 WILSON STREET  
 MENOMONIE, WI 54751

INVOICE  
 INBOUND

SITE	CELL	TICKET #	OPERATOR	
E6		823686	63418	
TRUCK		CONTAINER	LICENSE	
DKS 44				
REFERENCE			IN	OUT
MARON			4/25/17 12:41 pm	4/25/17 12:50 pm

CONTRACT: GRL 170338		GROSS 67,600.00LBS Scale In							
BOL: 153005		TARE 29,820.00LBS Scale Out							
		NET 37,780.00LBS							
QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL		
18.89	TN	C-Soil/33D@, Pet-Fuel Oil		0.00					

Thank you for using Advanced Disposal Glacier Ridge Landfill!

Total  
 Paid  
 Change  
 Check#  
 Recpt #

I hereby certify that this load does not contain any unauthorized hazardous waste.

SIGNATURE: \_\_\_\_\_

CUSTOMER COPY



N7296 HIGHWAY V  
HORICON, WI 53032  
9203870987

#5

000493  
DKS CONSTRUCTION  
2520 WILSON STREET  
MENOMONIE, WI 54751

INVOICE  
INBOUND

SITE	CELL	TICKET #	OPERATOR	
E6		823717	63418	
TRUCK		CONTAINER	LICENSE	
DKS 44				
REFERENCE			IN	OUT
MARON			4/25/17 2:37 pm	4/25/17 2:47 pm

CONTRACT: GRL 170338 BOL: 153004			GROSS	67,140.00LBS	Scale In			
			TARE	29,760.00LBS	Scale Out			
			NET	37,380.00LBS				
QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL	
18.69	TN	C-Soil/33D@, Pet-Fuel Oil		0.00				

Thank you for using Advanced Disposal Glacier Ridge Landfill!

Total  
Paid  
Change  
Check#  
Recpt #

I hereby certify that this load does not contain any unauthorized hazardous waste.

SIGNATURE: \_\_\_\_\_

CUSTOMER COPY

21.58

21.23

21.05

18.89

18.69

101.44 total taxes

# C.2 Investigative Waste

**DKS CONSTRUCTION SERVICES, INC**  
 2520 WILSON STREET  
 MENOMONIE, WI 54751

## Invoice

Date	Invoice #
5/15/2017	2702

Bill To
METCO PO BOX 448 HILLSBORO, WI 54634

P.O. No.	Terms	Project
Maron Property	Net 30	

Quantity	Description	Rate	Amount
1	Mobilization		
		3,000.00	3,000.00
101.44	Excavation	20.00	2,028.80
101.44	Haul	14.00	1,420.16
101.44	Disposal	34.00	3,448.96
79.44	Fill	14.00	1,112.16
22	Rock	18.00	396.00
101.44	Backfill/Compact	9.00	912.96
1	Install Concrete CAP	2,000.00	2,000.00
	Wisconsin Exempt Sales Tax	0.00%	0.00
<p><i>Soil Excavation, Disposal, &amp; Concrete Cap</i>  <i>Reviewed 5/15/17</i>  <i>OK</i></p>			
Phone #		715-235-2600	
		<b>Total</b>	\$14,319.04

VARIANCE





## **Attachment D/Maintenance Plan(s)**

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

**D.2 Location map(s) which show(s)**

**D.3 Photographs**

**D.4 Inspection log**

## D.1 Description of Maintenance Action(s)

### CAP MAINTENANCE PLAN

November 15, 2017

Property Located at:  
W9468 Iron Road  
Beaver Dam, WI 53916

WDNR BRRTS# 03-14-563925

TAX KEY# 004-1114-0742-001

#### Introduction

This document is the Maintenance Plan for a concrete cap at the above-referenced property in accordance with the requirements of s. NR 724.13(2), Wisconsin Administrative Code. The maintenance activities relate to the existing cap occupying the area over the contaminated groundwater plume or soil on-site.

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

- The case file in the DNR South Central regional office
- BRRTS on the Web (DNR's internet based data base of contaminated sites): <http://dnr.wi.gov/botw/SetUpBasicSearchForm.do>
- GIS Registry PDF file for further information on the nature and extent of contamination and
- The DNR project manager for Dodge County.

#### Description of Contamination

Soil contaminated by Petroleum Volatile Organic Compounds (PVOCs) and/or Polynuclear Aromatic Hydrocarbons (PAHs) is located at a depth of 0-3 feet below ground surface (bgs) in the area of the former UST system. Groundwater contaminated by PVOCs is located at a depth of 3.5-7 feet bgs in the area of the former UST system. The extent of the soil contamination is shown on Attachment D.2. Please refer to attachment B.3.b for the extent of groundwater contamination as the groundwater plume was too large to fit on the Attachment D.2 map scale.

#### Description of the Cap to be maintained

The Cap covers the area of the soil excavation, which consists of concrete (approximately 6 inches thick), as shown on Attachment D.2.

### Cover Barrier Purpose

The concrete cap over the contaminated soil and groundwater serves as both a barrier to prevent direct human contact with residual soil contamination that might otherwise pose a threat to human health, and also 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 and future use of the property, the barrier should function as intended unless disturbed.

### Annual Inspection

The concrete cap overlying the contaminated soil and groundwater and as depicted in Attachment 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 exposure to underlying soils or additional infiltration through asphalt or concrete. 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 Form 4400-305 Continuing Obligations 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 inspection log will be kept at the address of the property owner and available for submittal or inspection by Wisconsin Department of Natural Resources ("WDNR") representatives upon their request.

Note: The WDNR 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 a copy of the inspection log must be submitted to the WDNR at least annually after every inspection.



### Maintenance Activities

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 cap overlying the contaminated soil and groundwater plume is 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 WDNR or its successor.

The property owner, in order to maintain the integrity of the concrete cap, will maintain a copy of this Maintenance Plan on-site 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 or Cap

The following activities are prohibited on any portion of the property where the concrete cap 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.

### 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 WDNR.

*Metco, Ron Anderson*

Contact Information

November 2017

**Current Site Owner and Operator:**

Karen Maron *715-813-0073*  
7420 W. Drummond St.  
Iron River, WI 54847

Signature: \_\_\_\_\_

*Karen M. Maron*

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

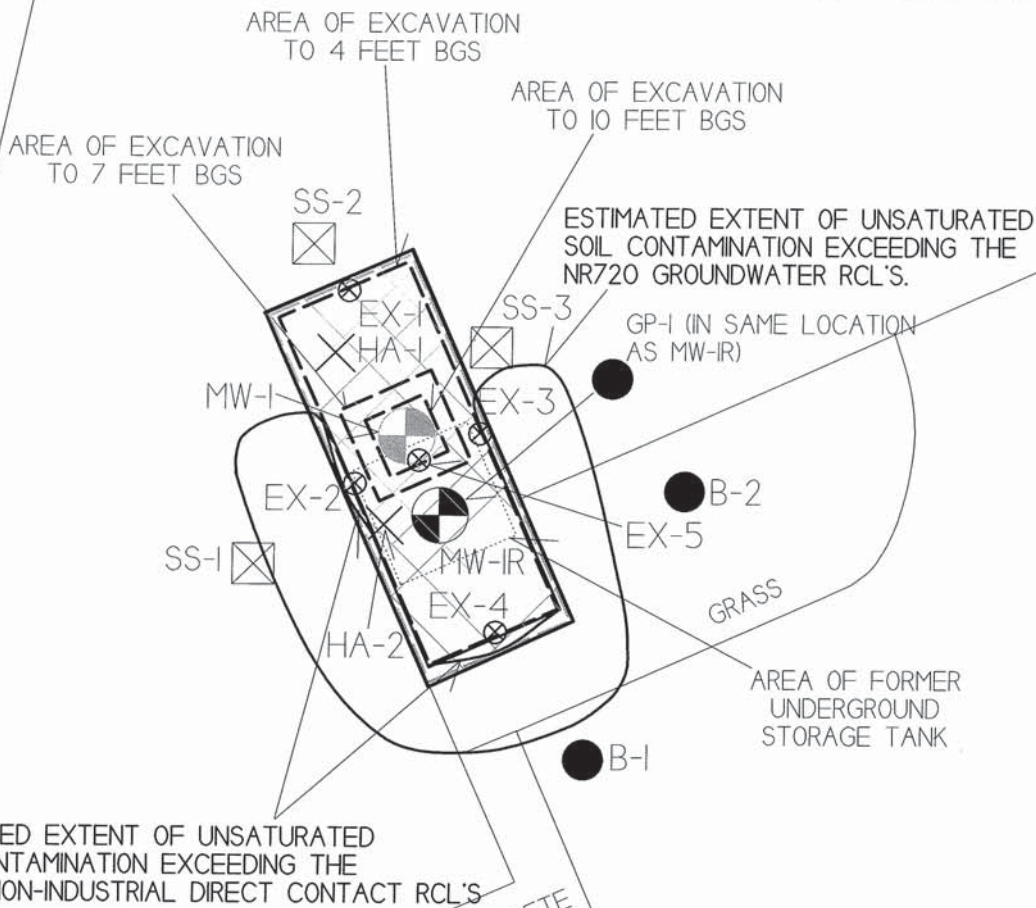
**Consultant:**

METCO  
Ron Anderson  
709 Gillette Street, Suite 3  
La Crosse, WI 54603  
(608) 781-8879  
*(608) 781-8879*

**WDNR:**

Dan Graf  
3911 Fish Hatchery Rd  
Fitchburg, WI 53711  
(608) 275-3339

BUILDING  
W9468 IRON ROAD



D.2 LOCATION MAP		
MARON PROPERTY		
	709 Gillette Street Suite 3 La Crosse, WI 54603 Tel: (608) 781-8879 Fax: (608) 781-8893	BEAVER DAM, WISCONSIN
	DRAWN BY: RA DATE: 05/26/15	

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

- = SOIL BORING LOCATION (P2ESA)
- ⊗ = HAND SAMPLING LOCATION
- ⊗ = EXCAVATION SAMPLE LOCATION
- ◐ = MONITORING WELL LOCATION
- ◑ = ABANDONED MONITORING WELL LOCATION
- ⊠ = SUB-SLAB SAMPLE LOCATION



- = AREA OF SOIL EXCAVATION (32' X 12' X 10.5')
- = AREA OF CONCRETE CAP
- = AREA OF CAP TO BE MAINTAINED

ESTIMATED EXTENT OF UNSATURATED SOIL CONTAMINATION EXCEEDING THE NR720 NON-INDUSTRIAL DIRECT CONTACT RCL'S



{Click to Add/Edit Image}

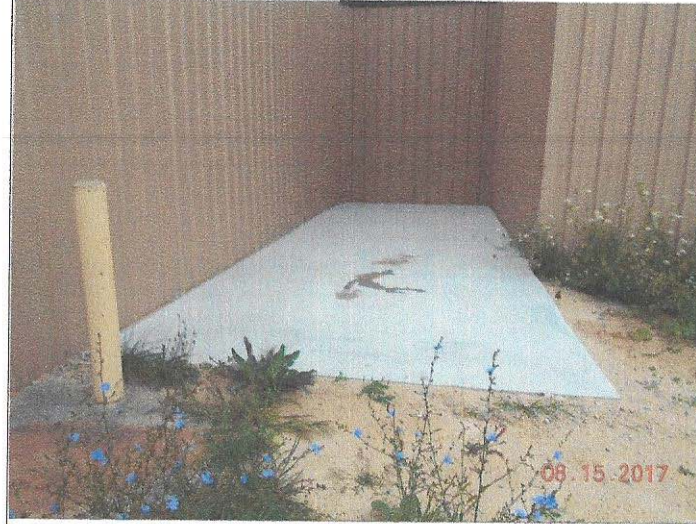
Date added: 11/15/2017



Title: Photo #1: Area of cap to be maintained (looking north/northwest)

{Click to Add/Edit Image}

Date added: 11/15/2017



Title: Photo #2: Area of cap to be maintained (looking north/northwest)

D.3 Photographs

**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 <b>Maron Property</b>	BRRTS No. <b>03-14-563925</b>
---	----------------------------------

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

D.4 Inspection Log

### **Attachment E/Monitoring Well Information**

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



Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Verification Only of Fill and Seal

Route to:

Drinking Water       Watershed/Wastewater       Remediation/Redevelopment

Waste Management       Other: \_\_\_\_\_

**1. Well Location Information**      **2. Facility / Owner Information**

County <b>DODGE</b>	WI Unique Well # of Removed Well _____ <b>VR649</b> _____	Locality #	Facility Name <b>Maron Property</b>
Latitude / Longitude (Degrees and Minutes) <b>43</b> ° <b>26</b> ' N	Method Code (see instructions)	Facility ID (FID or PWS) <b>114109710</b>	License/Permit/Monitoring #
<b>88</b> ° <b>52</b> ' W		Original Well Owner <b>Karen Maron</b>	Present Well Owner <b>Karen Maron</b>
1/4 NW    1/4 SE or Gov't Lot #	Section <b>7</b>	Township <b>11 N</b>	Range <input checked="" type="checkbox"/> E <input type="checkbox"/> W <b>14</b>
Well Street Address <b>W9468 Iron Road</b>	Well City, Village or Town <b>Beaver Dam</b>	Well ZIP Code <b>53916-</b>	Mailing Address of Present Owner <b>7420 W. Drummond Street</b>
Subdivision Name	Lot #	City of Present Owner <b>Iron River</b>	State <b>WI</b>
			ZIP Code <b>54847-</b>

Reason For Removal From Service: **Sampling Complete**

WI Unique Well # of Replacement Well: \_\_\_\_\_

**3. Well / Drillhole / Borehole Information**      **4. Pump, Liner, Screen, Casing & Sealing Material**

<input checked="" type="checkbox"/> Monitoring Well	Original Construction Date (mm/dd/yyyy) <b>5/4/2017</b>	Pump and piping removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<input type="checkbox"/> Water Well	If a Well Construction Report is available, please attach.	Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<input type="checkbox"/> Borehole / Drillhole		Screen removed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug		Casing left in place? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
<input type="checkbox"/> Other (specify): _____		Was casing cut off below surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Formation Type: <input type="checkbox"/> Unconsolidated Formation <input checked="" type="checkbox"/> Bedrock		Did sealing material rise to surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Total Well Depth From Ground Surface (ft.) <b>13</b>	Casing Diameter (in.) <b>2.38</b>	Did material settle after 24 hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
Lower Drillhole Diameter (in.) <b>8</b>	Casing Depth (ft.) <b>2.8</b>	If yes, was hole retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Was well annular space grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		If bentonite chips were used, were they hydrated with water from a known safe source? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
If yes, to what depth (feet)? <b>2</b>	Depth to Water (feet) <b>3.48</b>	Required Method of Placing Sealing Material <input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Screened & Poured (Bentonite Chips) <input checked="" type="checkbox"/> Other (Explain): <b>Gravity</b>
		Sealing Materials <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.) <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite-Sand Slurry " " <input type="checkbox"/> Concrete <input type="checkbox"/> Bentonite Chips
		For Monitoring Wells and Monitoring Well Boreholes Only: <input checked="" type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole	From (ft.)	To (ft.)	Pounds
Bentonite Chips	Surface	13	19.5

**6. Comments**  
Monitoring Well MW-IR

<b>7. Supervision of Work</b>			<b>DNR Use Only</b>	
Name of Person or Firm Doing Filling & Sealing <b>Bryce Kujawa (METCO)</b>	License #	Date of Filling & Sealing (mm/dd/yyyy) <b>2/5/2018</b>	Date Received	Noted By
Street or Route <b>709 Gillette Street, Suite 3</b>	Telephone Number <b>(608) 781-8879</b>	Comments		
City <b>La Crosse</b>	State <b>WI</b>	ZIP Code <b>54603-</b>	Signature of Person Doing Work <i>Bryce Kujawa</i>	Date Signed <b>2/5/18</b>

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Verification Only of Fill and Seal

Route to:  
 Drinking Water       Watershed/Wastewater       Remediation/Redevelopment  
 Waste Management       Other: \_\_\_\_\_

**1. Well Location Information**      **2. Facility / Owner Information**

County <b>DODGE</b>	WI Unique Well # of Removed Well ____ VS812_	Hicap #	Facility Name Maron Property
Latitude / Longitude (Degrees and Minutes) 43 ° 26 ' N	Method Code (see instructions)	Facility ID (FID or PWS) 114109710	License/Permit/Monitoring #
88 ° 52 ' W		Original Well Owner Karen Maron	Present Well Owner Karen Maron
¼ ¼ NW    ¼ SE or Gov't Lot #	Section 7	Township 11 N	Range [X] E 14 [ ] W
Well Street Address W9468 Iron Road	Well City, Village or Town Beaver Dam	Well ZIP Code 53916-	Mailing Address of Present Owner 7420 W. Drummond Street
Subdivision Name	Lot #	City of Present Owner Iron River	State WI
		ZIP Code 54847-	

Reason For Removal From Service:  Sampling Complete      WI Unique Well # of Replacement Well: \_\_\_\_\_

**3. Well / Drillhole / Borehole Information**      **4. Pump, Liner, Screen, Casing & Sealing Material**

<input checked="" type="checkbox"/> Monitoring Well	Original Construction Date (mm/dd/yyyy) 12/1/2015	Pump and piping removed? <input type="checkbox"/> Yes <input type="checkbox"/> No    [X] N/A
<input type="checkbox"/> Water Well	If a Well Construction Report is available, please attach.	Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No    [X] N/A
<input type="checkbox"/> Borehole / Drillhole		Screen removed? <input type="checkbox"/> Yes    [X] No <input type="checkbox"/> N/A
Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug		Casing left in place? [X] Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
<input type="checkbox"/> Other (specify): _____		Was casing cut off below surface? [X] Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Formation Type: <input type="checkbox"/> Unconsolidated Formation    [X] Bedrock		Did sealing material rise to surface? [X] Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Total Well Depth From Ground Surface (ft.) 14	Casing Diameter (in.) 2.37	Did material settle after 24 hours? <input type="checkbox"/> Yes    [X] No <input type="checkbox"/> N/A
Lower Drillhole Diameter (in.) 6	Casing Depth (ft.) 4	If yes, was hole retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No    [X] N/A
Was well annular space grouted? [X] Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		If bentonite chips were used, were they hydrated with water from a known safe source? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
If yes, to what depth (feet)? 3	Depth to Water (feet) 3.41	Required Method of Placing Sealing Material <input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Screened & Poured (Bentonite Chips)    [X] Other (Explain): Gravity
		Sealing Materials <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.) <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite-Sand Slurry " " <input type="checkbox"/> Concrete <input type="checkbox"/> Bentonite Chips
		For Monitoring Wells and Monitoring Well Boreholes Only: [X] Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole	From (ft.)	To (ft.)	Pounds
Bentonite Chips	Surface	14	21

**6. Comments**  
Monitoring Well MW-2

<b>7. Supervision of Work</b>			<b>DNR Use Only</b>	
Name of Person or Firm Doing Filling & Sealing Bryce Kujawa (METCO)	License #	Date of Filling & Sealing (mm/dd/yyyy) 2/5/2018	Date Received	Noted By
Street or Route 709 Gillette Street, Suite 3	Telephone Number (608) 781-8879	Comments		
City La Crosse	State WI	ZIP Code 54603-	Signature of Person Doing Work <i>Bryce Kujawa</i>	Date Signed 2/5/18



Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Verification Only of Fill and Seal

Route to:

Drinking Water       Watershed/Wastewater       Remediation/Redevelopment

Waste Management       Other: \_\_\_\_\_

**1. Well Location Information**      **2. Facility / Owner Information**

County <b>DODGE</b>	WI Unique Well # of Removed Well <b>VS811</b>	Locality #	Facility Name <b>Maron Property</b>
Latitude / Longitude (Degrees and Minutes) <b>43 ° 26 ' N</b> <b>88 ° 52 ' W</b>	Method Code (see instructions)	Facility ID (FID or PWS) <b>114109710</b>	License/Permit/Monitoring #
1/4 NW    1/4 SE or Gov't Lot #	Section <b>7</b>	Township <b>11 N</b>	Range <b>14</b> <input checked="" type="checkbox"/> E <input type="checkbox"/> W
Well Street Address <b>W9468 Iron Road</b>	Well City, Village or Town <b>Beaver Dam</b>	Well ZIP Code <b>53916-</b>	Original Well Owner <b>Karen Maron</b>
Subdivision Name	Lot #	City of Present Owner <b>Iron River</b>	Present Well Owner <b>Karen Maron</b>
Reason For Removal From Service <b>Sampling Complete</b>	WI Unique Well # of Replacement Well	State <b>WI</b>	Mailing Address of Present Owner <b>7420 W. Drummond Street</b>
		ZIP Code <b>54847-</b>	

**3. Well / Drillhole / Borehole Information**      **4. Pump, Liner, Screen, Casing & Sealing Material**

<input checked="" type="checkbox"/> Monitoring Well	Original Construction Date (mm/dd/yyyy) <b>12/1/2015</b>	Pump and piping removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<input type="checkbox"/> Water Well	If a Well Construction Report is available, please attach.	Liner(s) removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<input type="checkbox"/> Borehole / Drillhole		Screen removed?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
Construction Type:		Casing left in place?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
<input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug		Was casing cut off below surface?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
<input type="checkbox"/> Other (specify): _____		Did sealing material rise to surface?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Formation Type:		Did material settle after 24 hours?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
<input type="checkbox"/> Unconsolidated Formation <input checked="" type="checkbox"/> Bedrock		If yes, was hole retopped?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Total Well Depth From Ground Surface (ft.) <b>13</b>	Casing Diameter (in.) <b>2.37</b>	If bentonite chips were used, were they hydrated with water from a known safe source?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Lower Drillhole Diameter (in.) <b>6</b>	Casing Depth (ft.) <b>3</b>	Required Method of Placing Sealing Material	<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped
Was well annular space grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		<input type="checkbox"/> Screened & Poured (Bentonite Chps) <input checked="" type="checkbox"/> Other (Explain): <b>Gravity</b>	
If yes, to what depth (feet)? <b>2.5</b>	Depth to Water (feet) <b>2.82</b>	Sealing Materials	<input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)
		<input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite-Sand Slurry " "	
		<input type="checkbox"/> Concrete <input type="checkbox"/> Bentonite Chps	
		For Monitoring Wells and Monitoring Well Boreholes Only:	
		<input checked="" type="checkbox"/> Bentonite Chps <input type="checkbox"/> Bentonite - Cement Grout	
		<input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry	

5. Material Used To Fill Well / Drillhole	From (ft.)	To (ft.)	Pounds
Bentonite Chips	Surface	13	19.5

**6. Comments**  
Monitoring Well MW-3

<b>7. Supervision of Work</b>			<b>DNR Use Only</b>	
Name of Person or Firm Doing Filling & Sealing <b>Bryce Kujawa (METCO)</b>	License #	Date of Filling & Sealing (mm/dd/yyyy) <b>2/5/2018</b>	Date Received	Noted By
Street or Route <b>709 Gillette Street, Suite 3</b>	Telephone Number <b>(608) 781-8879</b>	Comments		
City <b>La Crosse</b>	State <b>WI</b>	ZIP Code <b>54603-</b>	Signature of Person Doing Work <i>Bryce Kujawa</i>	Date Signed <b>2/5/18</b>



Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Verification Only of Fill and Seal

Route to:

Drinking Water       Watershed/Wastewater       Remediation/Redevelopment

Waste Management       Other: \_\_\_\_\_

1. Well Location Information				2. Facility / Owner Information			
County <b>DODGE</b>		WI Unique Well # of Removed Well <b>VS810</b>	Hicap #	Facility Name <b>Maron Property</b>		Facility ID (FID or PWS) <b>114109710</b>	
Latitude / Longitude (Degrees and Minutes) <b>43 ° 26 ' N</b> <b>88 ° 52 ' W</b>		Method Code (see instructions)		License/Permit/Monitoring #		Original Well Owner <b>Karen Maron</b>	
¼ / ¼ NW	¼ SE	Section <b>7</b>	Township <b>11 N</b>	Range <b>14</b>	<input checked="" type="checkbox"/> E <input type="checkbox"/> W	Present Well Owner <b>Karen Maron</b>	
Well Street Address <b>W9468 Iron Road</b>				Mailing Address of Present Owner <b>7420 W. Drummond Street</b>			
Well City, Village or Town <b>Beaver Dam</b>			Well ZIP Code <b>53916-</b>		City of Present Owner <b>Iron River</b>		State <b>WI</b>
Subdivision Name			Lot #		ZIP Code <b>54847-</b>		

Reason For Removal From Service <b>Sampling Complete</b>	WI Unique Well # of Replacement Well	4. Pump, Liner, Screen, Casing & Sealing Material			
3. Well / Drillhole / Borehole Information		Pump and piping removed?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
<input checked="" type="checkbox"/> Monitoring Well	Original Construction Date (mm/dd/yyyy) <b>12/1/2015</b>	Liner(s) removed?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
<input type="checkbox"/> Water Well	If a Well Construction Report is available, please attach.	Screen removed?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
<input type="checkbox"/> Borehole / Drillhole		Casing left in place?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Construction Type:		Was casing cut off below surface?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
<input checked="" type="checkbox"/> Drilled	<input type="checkbox"/> Driven (Sandpoint)	Did sealing material rise to surface?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
<input type="checkbox"/> Other (specify): _____		Did material settle after 24 hours?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Formation Type:		If yes, was hole retopped?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
<input type="checkbox"/> Unconsolidated Formation	<input checked="" type="checkbox"/> Bedrock	If bentonite chips were used, were they hydrated with water from a known safe source?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Total Well Depth From Ground Surface (ft.) <b>13</b>	Casing Diameter (in.) <b>2.37</b>	Required Method of Placing Sealing Material			
Lower Drillhole Diameter (in.) <b>6</b>	Casing Depth (ft.) <b>3</b>	<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped			
Was well annular space grouted?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	<input type="checkbox"/> Screened & Poured (Bentonite Chips) <input checked="" type="checkbox"/> Other (Explain): <b>Gravity</b>			
If yes, to what depth (feet)? <b>2.5</b>	Depth to Water (feet) <b>2.63</b>	Sealing Materials			
5. Material Used To Fill Well / Drillhole		<input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)			
From (ft.)	To (ft.)	Pounds			
Bentonite Chips	Surface	13	19.5		
6. Comments		<input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite-Sand Slurry " "			
Monitoring Well MW-4		<input type="checkbox"/> Concrete <input type="checkbox"/> Bentonite Chips			
7. Supervision of Work		For Monitoring Wells and Monitoring Well Boreholes Only:			
Name of Person or Firm Doing Filling & Sealing <b>Bryce Kujawa (METCO)</b>		Date of Filling & Sealing (mm/dd/yyyy) <b>2/5/2018</b>		DNR Use Only	
Street or Route <b>709 Gillette Street, Suite 3</b>		Telephone Number <b>(608) 781-8879</b>		Date Received	
City <b>La Crosse</b>		State <b>WI</b>		Noted By	
ZIP Code <b>54603-</b>		Signature of Person Doing Work <i>Bryce Kujawa</i>		Comments	
		Date Signed <b>2/5/18</b>			

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Verification Only of Fill and Seal

Route to:  
 Drinking Water       Watershed/Wastewater       Remediation/Redevelopment  
 Waste Management       Other: \_\_\_\_\_

1. Well Location Information				2. Facility / Owner Information			
County <b>DODGE</b>		WI Unique Well # of Removed Well _____ <b>VR648</b> _____	Hicap #	Facility Name <b>Maron Property</b>		Facility ID (FID or PWS) <b>114109710</b>	
Latitude / Longitude (Degrees and Minutes) <b>43 ° 26 ' N</b> <b>88 ° 52 ' W</b>		Method Code (see instructions)		License/Permit/Monitoring #			
1/4 NW	1/4 SE	Section <b>7</b>	Township <b>11 N</b>	Range <b>14</b>	<input checked="" type="checkbox"/> E <input type="checkbox"/> W	Original Well Owner <b>Karen Maron</b>	
Well Street Address <b>W9468 Iron Road</b>				Present Well Owner <b>Karen Maron</b>			
Well City, Village or Town <b>Beaver Dam</b>			Well ZIP Code <b>53916-</b>		Mailing Address of Present Owner <b>7420 W. Drummond Street</b>		
Subdivision Name			Lot #		City of Present Owner <b>Iron River</b>	State <b>WI</b>	ZIP Code <b>54847-</b>

Reason For Removal From Service Sampling Complete		WI Unique Well # of Replacement Well		4. Pump, Liner, Screen, Casing & Sealing Material			
3. Well / Drillhole / Borehole Information		Original Construction Date (mm/dd/yyyy) <b>5/4/2017</b>		Pump and piping removed?		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
<input checked="" type="checkbox"/> Monitoring Well	If a Well Construction Report is available, please attach.			Liner(s) removed?		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
<input type="checkbox"/> Water Well				Screen removed?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
<input type="checkbox"/> Borehole / Drillhole				Casing left in place?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Construction Type:				Was casing cut off below surface?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
<input checked="" type="checkbox"/> Drilled	<input type="checkbox"/> Driven (Sandpoint)	<input type="checkbox"/> Dug		Did sealing material rise to surface?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
<input type="checkbox"/> Other (specify): _____				Did material settle after 24 hours?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Formation Type:				If yes, was hole retopped?		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
<input type="checkbox"/> Unconsolidated Formation		<input checked="" type="checkbox"/> Bedrock		If bentonite chips were used, were they hydrated with water from a known safe source?			
Total Well Depth From Ground Surface (ft.) <b>13</b>		Casing Diameter (in.) <b>2.38</b>		<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
Lower Drillhole Diameter (in.) <b>8</b>		Casing Depth (ft.) <b>2.8</b>		Required Method of Placing Sealing Material			
Was well annular space grouted?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped	
If yes, to what depth (feet)? <b>2</b>		Depth to Water (feet) <b>3.48</b>		<input type="checkbox"/> Screened & Poured (Bentonite Chips)		<input checked="" type="checkbox"/> Other (Explain): <b>Gravity</b>	
5. Material Used To Fill Well / Drillhole				Sealing Materials			
Bentonite Chips		From (ft.) <b>Surface</b>	To (ft.) <b>13</b>	Pounds <b>19.5</b>		<input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)	
						<input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite-Sand Slurry " "	
						<input type="checkbox"/> Concrete <input type="checkbox"/> Bentonite Chips	
						For Monitoring Wells and Monitoring Well Boreholes Only:	
						<input checked="" type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout	
						<input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry	

5. Material Used To Fill Well / Drillhole	From (ft.)	To (ft.)	Pounds
Bentonite Chips	Surface	13	19.5

6. Comments  
Monitoring Well MW-5

7. Supervision of Work				DNR Use Only	
Name of Person or Firm Doing Filling & Sealing <b>Bryce Kujawa (METCO)</b>		License #	Date of Filling & Sealing (mm/dd/yyyy) <b>2/5/2018</b>	Date Received	Noted By
Street or Route <b>709 Gillette Street, Suite 3</b>			Telephone Number <b>(608) 781-8879</b>	Comments	
City <b>La Crosse</b>	State <b>WI</b>	ZIP Code <b>54603-</b>	Signature of Person Doing Work <i>Bryce Kujawa</i>	Date Signed <b>2/5/18</b>	



## **Attachment F/Source Legal Documents**

**F.1 Deeds – Source Property**

**F.2 Certified Survey Map**

**F.3 Verification of Zoning**

**F.4 Signed Statement**



# F. I Deed

FEE

Vol. 877 Page 401

824362

Doc. # 8

STATE BAR OF WISCONSIN FORM 1 - 1982  
WARRANTY DEED

THIS SPACE RESERVED FOR RECORDING DATA

Office of Register of Deeds  
Dodge County, WI  
RECEIVED FOR RECORD

APR 15 1996

at 10:24 o'clock A.M.

DORIS WESTRA - Registrar

This Deed, made between Thelma E. Birkholz

Grantor,  
and Walter Maron and Karen Maron as survivorship  
marital property

Witnesseth, That the said Grantor, for a valuable consideration

conveys to Grantee the following described real estate in DODGE

County, State of Wisconsin: A part of the Southeast 1/4 of Section 7,  
Township 11 North, Range 14 East, described as: Commencing

at the Northwest Corner of said 1/4 Section; Thence East along the North line of said 1/4  
Section, 13 chains and 43 links; Thence South 21 chains and  
6 links to the center of the highway; Thence Southwesterly along the center of the highway  
to the West line of said 1/4 Section; Thence North 25 chains and 73 links to the place of  
beginning. Also all that part of East 1/2 of Southwest 1/4 of Section 7, Township 11 North,  
Range 14 East, lying Northeasterly of the highway adjoining the Northeasterly line of the  
right-of-way of the Chicago, Sparta and Northwestern Railroad Company and lying North of  
the Beaver Dam and Columbus Road, except that part thereof deeded to the Milwaukee, Sparta  
and Northwestern Railroad Company;  
And except the following described premises: Commencing at a stone monument being the  
West 1/4 corner of said Section 7; Then S. 88° 18' 35" E. along the East-West 1/4 line of said  
Section 7, 1462.48 feet to an iron pipe set on West line of the NE 1/4 of the SW 1/4 of said  
Section 7, said pipe being the point of real beginning; Thence continuing S. 88° 18' 35" E,  
along said East-West 1/4 line, 2206.38 feet to an iron pipe set, said pipe being S. 88° 18' 35" E,  
886.38 feet from the NW corner of the SE 1/4 of Section 7; Thence S. 1° 01' 04" E, parallel with  
the North-South 1/4 line of said Section 7, 791.10 feet to an iron pipe set; Thence N. 88° 08' 28"  
W., 1933.75 feet to an iron pipe set on the Northeasterly right-of-way of the Chicago,  
Northwestern Railroad; Thence N 43° 50' 39" W. along said right-of-way, 401.04 feet to an  
iron pipe set on the West line of the NE 1/4 of the SW 1/4 of Section 7; Thence N. 1° 00' 57" W.  
along said West line, 504.17 feet to the point of real beginning, as contained in the Certified  
Survey of John A. Prunuske of May 25, 1977. Subject to conveyances for highway purposes  
and easement to Wisconsin Telephone Company. Consisting of Approximately 22 acres.

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

Together with all and singular the hereditaments and appurtenances thereunto belonging;

And Thelma E. Birkholz

warrants that the title is good, indefeasible in fee simple and free and clear of encumbrances except this deed was  
originally recorded on August 24, 1995 as document 813628 v 854 P829. This document is  
being rerecorded for the sole purpose of correcting the legal description which has been  
incorrectly recorded since a transfer on May 31, 1957 that appears in V302 P422,  
and will warrant and defend the same.

Dated this 13th day of 4/13/96, 1996.

Thelma E. Birkholz (SEAL)

Thelma E. Birkholz

(SEAL)

(SEAL)

### AUTHENTICATION

Signature(s)

authenticated this day of 19

TITLE: MEMBER STATE BAR OF WISCONSIN

(If not authorized by § 706.06, Wis. Stats.)

THIS INSTRUMENT WAS DRAFTED BY

Jim Scherneck, Attorney

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

### ACKNOWLEDGMENT

STATE OF WISCONSIN

DODGE County, ss.

Personally came before me this 13th day of April, 1996, the above named Thelma E. Birkholz

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

Notary Public DODGE County, Wis.  
My Commission is permanent (if not, state expiration date: Nov 17, 1997)

\*Names of persons signing in any capacity should be typed or printed below their signatures.

WARRANTY DEED

STATE BAR OF WISCONSIN  
FORM No. 1 - 1982

Wisconsin Legal Blank Co. Inc.  
Milwaukee, Wis.

5/15/01, 8/14 7-11-19

069



# F. Z Certified Survey Map

**NEW FRONTIER  
LAND SURVEYING LLC.**  
P.O. BOX 576- BEAVER DAM, WI 53916  
PH (920-885-3904) FAX (920-885-3905)

DOCUMENT # 1203221

Office of Register of Deeds  
Dodge County, Wisconsin  
RECEIVED FOR RECORD

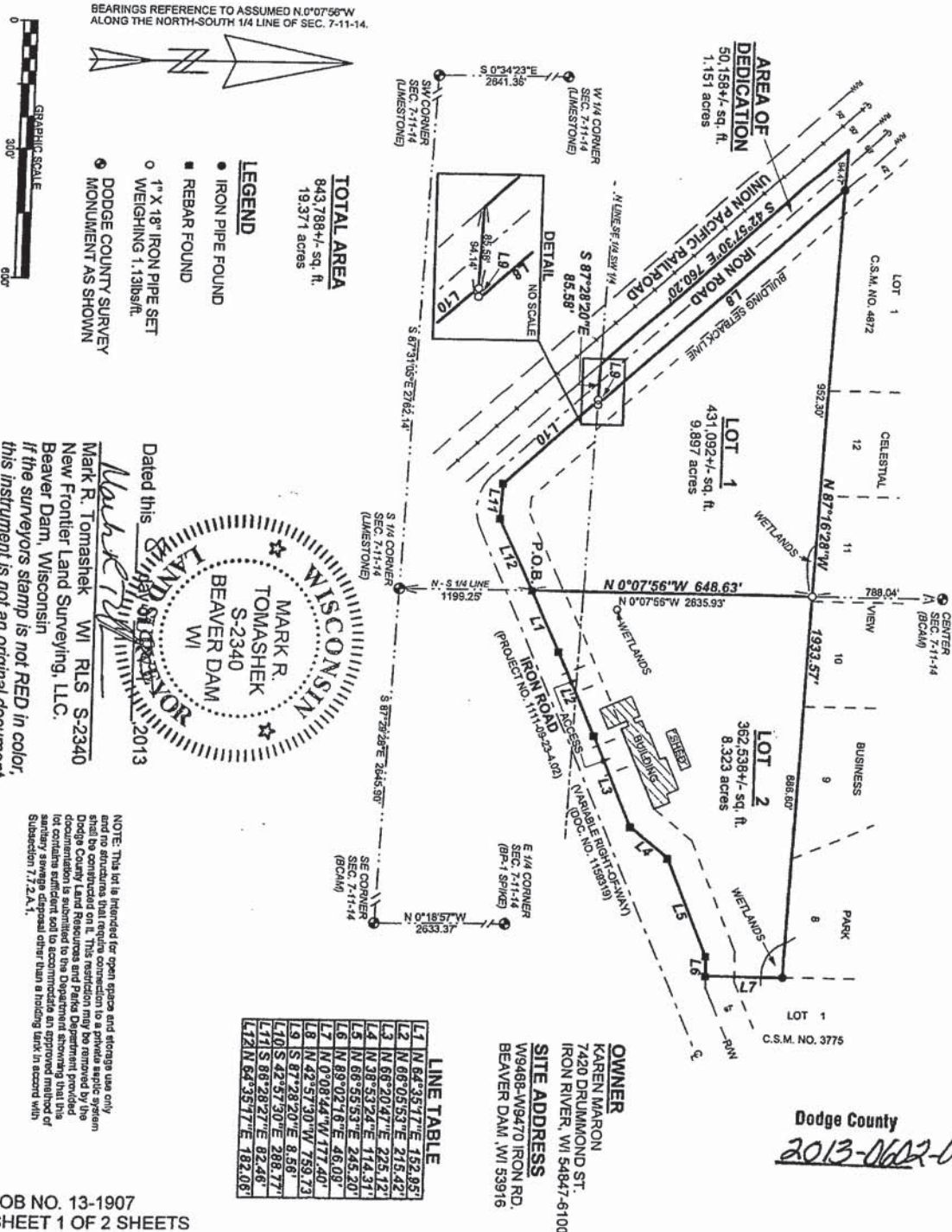
October 06, 2013 12:45 PM

CHRIS PLANASCH - Registrar  
Fee Amount: \$30.00  
# of Pages 2



## CERTIFIED SURVEY MAP NO. 6833

A PART OF THE NORTHEAST 1/4 OF THE SOUTHWEST 1/4, A PART OF THE SOUTHWEST 1/4 OF THE SOUTHWEST 1/4, A PART OF THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4 AND A PART OF THE SOUTHWEST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 7, TOWN 11 NORTH, RANGE 14 EAST, TOWN OF BEAVER DAM, DODGE COUNTY, WISCONSIN.



Dated this 10th day of October, 2013

Mark R. Tomashak  
Surveyor

Mark R. Tomashak WI RLS S-2340  
New Frontier Land Surveying, LLC.  
Beaver Dam, Wisconsin

If the surveyors stamp is not RED in color, this instrument is not an original document.

W 460277

# F.3 Verification of Zoning

Parcel #: 004-1114-0742-001

Valid as of 11/15/2017 07:48 AM

Alt. Parcel #: 004054400000

TOWN OF BEAVER DAM  
DODGE COUNTY,  
WISCONSIN

<b>Owner and Mailing Address:</b> KAREN MARON 7420 W DRUMMOND ST IRON RIVER WI 54847-6100		<b>Co-Owner(s):</b>	
<b>Districts:</b>		<b>Physical Property Address(es):</b>	
<b>Dist#</b>	<b>Description</b>	* W9470 IRON RD	
0336	BEAVER DAM SCHOOL	W9468 IRON RD	
1000	MPTC FOND DU LAC	W9472 IRON RD	
<b>Legal Description:</b> LOT 2 CSM 6833 IN V46 P247 BEING PT NW1/4 SE1/4 & PT SW1/4 SE1/4 SEC 7		<b>Parcel History:</b>	
<b>Acres:</b> 8.323		<b>Date</b>	<b>Doc #</b>
		10/08/2013	1203221
		06/11/2013	1198320
		10/30/2012	1187702
		02/24/2011	1159319
			more...

Plat	Tract (S-T-R 40% 160% GL)	Block/Condo Bldg
* MB-METES AND BOUNDS	07-11N-14E NW SE	

**2017 Valuations:**

Values Last Changed on  
09/07/2015

Class and Description	Acres	Land	Improvement	Total
G2-COMMERCIAL	8.323	86,600.00	304,000.00	390,600.00
<b>Totals for 2017</b>				
General Property	8.323	86,600.00	304,000.00	390,600.00
Woodland	0.000	0.00	0.00	0.00
<b>Totals for 2016</b>				
General Property	8.323	86,600.00	304,000.00	390,600.00
Woodland	0.000	0.00	0.00	0.00

**2017 Taxes**

Taxes have not yet been calculated.

**Key**

\* -  
Primary



#### F.4. Signed Statement

WDNR BRRTS Case #: 03-14-563928

WDNR Site Name: Maron Property

#### Geographic Information System (GIS) Registry of Closed Remediation Sites

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

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

Responsible Party:

Karen M. Maron Sole Owner  
(print name/title)

Karen M. Maron Oct 24, 2017  
(signature) (date)

## **Attachment G/Notification to Owners of Impacted Properties**

There are no impacts to any other deeded properties.