

Source Property Information

BRRTS #:	<input type="text" value="03-60-557729"/>	CLOSURE DATE:	<input type="text" value="04/21/2016"/>
ACTIVITY NAME:	<input type="text" value="Richard A. DeZoute Property"/>	FID #:	<input type="text"/>
PROPERTY ADDRESS:	<input type="text" value="729 S Sauk Trail Rd"/>	DATCP #:	<input type="text"/>
MUNICIPALITY:	<input type="text" value="Oostburg"/>	PECFA#:	<input type="text" value="53070158029A"/>
PARCEL ID #:	<input type="text" value="59165719730"/>		

***WTM COORDINATES:**

X: Y:

** Coordinates are in
WTM83, NAD83 (1991)*

WTM COORDINATES REPRESENT:

- Approximate Center Of Contaminant Source
 Approximate Source Parcel Center

Please check as appropriate: (BRRTS Action Code)

CONTINUING OBLIGATIONS

Contaminated Media for Residual Contamination:

- | | |
|--------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Groundwater Contamination > ES (236) | <input checked="" type="checkbox"/> Soil Contamination > *RCL or **SSRCL (232) |
| <input type="checkbox"/> Contamination in ROW | <input checked="" type="checkbox"/> Contamination in ROW |
| <input type="checkbox"/> Off-Site Contamination | <input type="checkbox"/> Off-Site Contamination |

Site Specific Obligations:

- | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input type="checkbox"/> Soil: maintain industrial zoning (220)
<i>(note: soil contamination concentrations
between non-industrial and industrial levels)</i> | <input checked="" type="checkbox"/> Cover or Barrier (222) |
| <input type="checkbox"/> Structural Impediment (224) | <input checked="" type="checkbox"/> Direct Contact |
| <input type="checkbox"/> Site Specific Condition (228) | <input type="checkbox"/> Soil to GW Pathway |
| | <input checked="" type="checkbox"/> Vapor Mitigation (226) |
| | <input type="checkbox"/> Maintain Liability Exemption (230)
<i>(note: local government unit or economic
development corporation was directed to
take a response action)</i> |

VAPOR: Future Concern

Are all monitoring wells properly abandoned per NR 141? (234)

Yes No N/A

* Residual Contaminant Level
**Site Specific Residual Contaminant Level



April 21, 2016

Mr. Steve Joosse
Kalima LLC
W1897 DeMasters Rd
Oostburg, WI 53070

KEEP THIS DOCUMENT WITH YOUR PROPERTY RECORDS

SUBJECT: Final Case Closure with Continuing Obligations
Richard A. DeZoute Property, 729 S. Sauk Trail Rd, Oostburg, WI
DNR BRRTS Activity #: 03-60-557729

Dear Mr. Joosse:

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

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 Northeast Region (NER) Closure Committee reviewed the request for closure on April 7, 2016. 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 site is a former rural gas station that ceased operation in 1965; the tank system was removed from the site in 1972. The site is zoned "Residential" and a house on the site remains occupied at this time. Four hundred and fifty two tons of contaminated soil was removed from the site. Subsequent sampling indicates that petroleum contaminated soil and groundwater remains on the site and the abutting road rights of way. The conditions of closure and continuing obligations required were based on the property being used for residential purposes.

Continuing Obligations

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

- Groundwater contamination is present at or above ch. NR 140, Wis. Adm. Code enforcement standards.
- Residual soil contamination exists that must be properly managed should it be excavated or removed.

- A soil cover must be maintained over contaminated soil and the DNR must be notified and approve any changes to this barrier.
- Remaining contamination could result in vapor intrusion if future construction activities occur. Future construction includes expansion or partial removal of current buildings as well as construction of new buildings. Vapor control technologies will be required for occupied buildings, unless the property owner assesses the potential for vapor intrusion, and the DNR agrees that vapor control technologies are not needed.

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

GIS Registry

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

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

All site information is also on file at the NER Regional DNR office, at 2984 Shawano Avenue, Green Bay WI 54313-6727. This letter and information that was submitted with your closure request application, including a 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 a soil cover is required, as shown on the attached map (Cap Location Map, Figure D.2, November 19, 2012), unless prior written approval has been obtained from the DNR:

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

Closure Conditions

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

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

Department of Natural Resources
Attn: Remediation and Redevelopment Program Environmental Program Associate
2984 Shawano Avenue
Green Bay WI 54313-6727

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, Figure B.3.b.II, November 19, 2012). 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 B-4, B-7, B-9, B-12, B-14, B-17, NE-2, EN-3, ES-4, SE-5, and S404 as indicated on the attached map (Residual Soil Contamination, Figure B.2.b, November 19, 2012). 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. This continuing obligation also applies to the ROW holders for S Sauk Trail Road and DeMasters Road.

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.

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

The soil cover that exists in the location shown on the attached map (Cap Location Map, Figure D.2, November 19, 2012) shall be maintained in compliance with the attached maintenance plan in order to prevent direct contact with residual soil contamination that might otherwise pose a threat to human health.

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 in your possession. Inspections shall be conducted annually, in accordance with the attached maintenance plan. Submit the inspection log to the DNR only upon request.

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

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

Future Concern: Petroleum contamination remains in soil and groundwater, as shown on the attached maps (Groundwater Isoconcentration, Figure B.3.b.II, November 19, 2012 and Residual Soil Contamination, Figure B.2.b, November 19, 2012) at levels that may be of concern for vapor intrusion in the future, depending on construction and occupancy of a building. A sub-slab vapor test performed in the basement of the residence on the property indicated that vapor intrusion was not an issue there. The garage on the property, used for storage, was not tested, but the infrequent occupancy of that building would validate that vapor intrusion into that structure is not an issue at this time. Therefore, before a building is constructed and/or an existing building is modified, the property owner must notify the DNR at least 45 days before the change. Vapor control technologies are required for construction of occupied buildings unless the property owner assesses the vapor pathway and DNR agrees that vapor control technologies are not needed.

Other Closure Information

General Wastewater Permits for Construction Related Dewatering Activities

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

If you or any other person plan to conduct such activities, you or that person must contact that program, and if necessary, apply for the necessary discharge permit. Additional information regarding discharge permits is available at <http://dnr.wi.gov/topic/wastewater/GeneralPermits.html>. If residual soil or groundwater contamination is likely to affect water collected in a pit/trench that requires dewatering, a general permit for Discharge of Contaminated Groundwater from Remedial Action Operations may be needed. If water collecting in a pit/trench that requires dewatering is expected to be free of pollutants other than suspended solids and oil and grease, a general permit for Pit/Trench Dewatering may be needed.

Chapter NR 140, Wis. Adm. Code Exemption

Recent groundwater monitoring data at this site indicates that for Benzene at MW-15, contaminant levels exceed the NR 140 preventive action limit (PAL) but are below the enforcement standard (ES). The DNR may grant an exemption to a PAL for a substance of public health concern, other than nitrate, pursuant to s. NR 140.28 (2) (b), Wis. Adm. Code, if all of the following criteria are met:

1. The measured or anticipated increase in the concentration of the substance will be minimized to the extent technically and economically feasible.
2. Compliance with the PAL is either not technically or economically feasible.
3. The enforcement standard for the substance will not be attained or exceeded at the point of standards application. [Note: at this site the point of standards application is all points where groundwater is monitored.]
4. Any existing or projected increase in the concentration of the substance above the background concentration does not present a threat to public health or welfare.

Based on the information you provided, that the majority of the contaminant mass was excavated and removed from the site, the DNR believes that these criteria have been or will be met. Therefore, pursuant to s. NR 140.28, Wis. Adm. Code, an exemption to the PAL is granted for Benzene at MW-15. Please keep this letter, because it serves as your exemption.

PECFA Reimbursement

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

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

In Closing

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

- if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety, or welfare or to the environment,
- if the property owner does not comply with the conditions of closure, or
- a property owner fails to maintain or comply with a continuing obligation (imposed under this closure approval letter).

The DNR appreciates your efforts to restore the environment at this site. If you have any questions regarding this closure decision or anything outlined in this letter, please contact Tom Verstegen at 920-424-0025, or at Thomas.Verstegen@wisconsin.gov.

Sincerely,



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

Attachments:

- Groundwater Isoconcentration, Figure B.3.b.II, November 19, 2012
- Residual Soil Contamination, Figure B.2.b, November 19, 2012
- Cap Location Map, Figure D.2, November 19, 2012
- Maintenance Plan, Attachment D, October 14, 2015
- Inspection Log (Form 4400-305)

cc: Matt Dahlem – Fehr Graham (email)
Bill Phelps, DG/5

LEGEND

- MW-5 NR140 Monitoring Well
- MW-9 Abandoned NR140 Monitoring Well
- TW-14 Temp Well
- MW-9S Sump

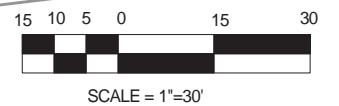
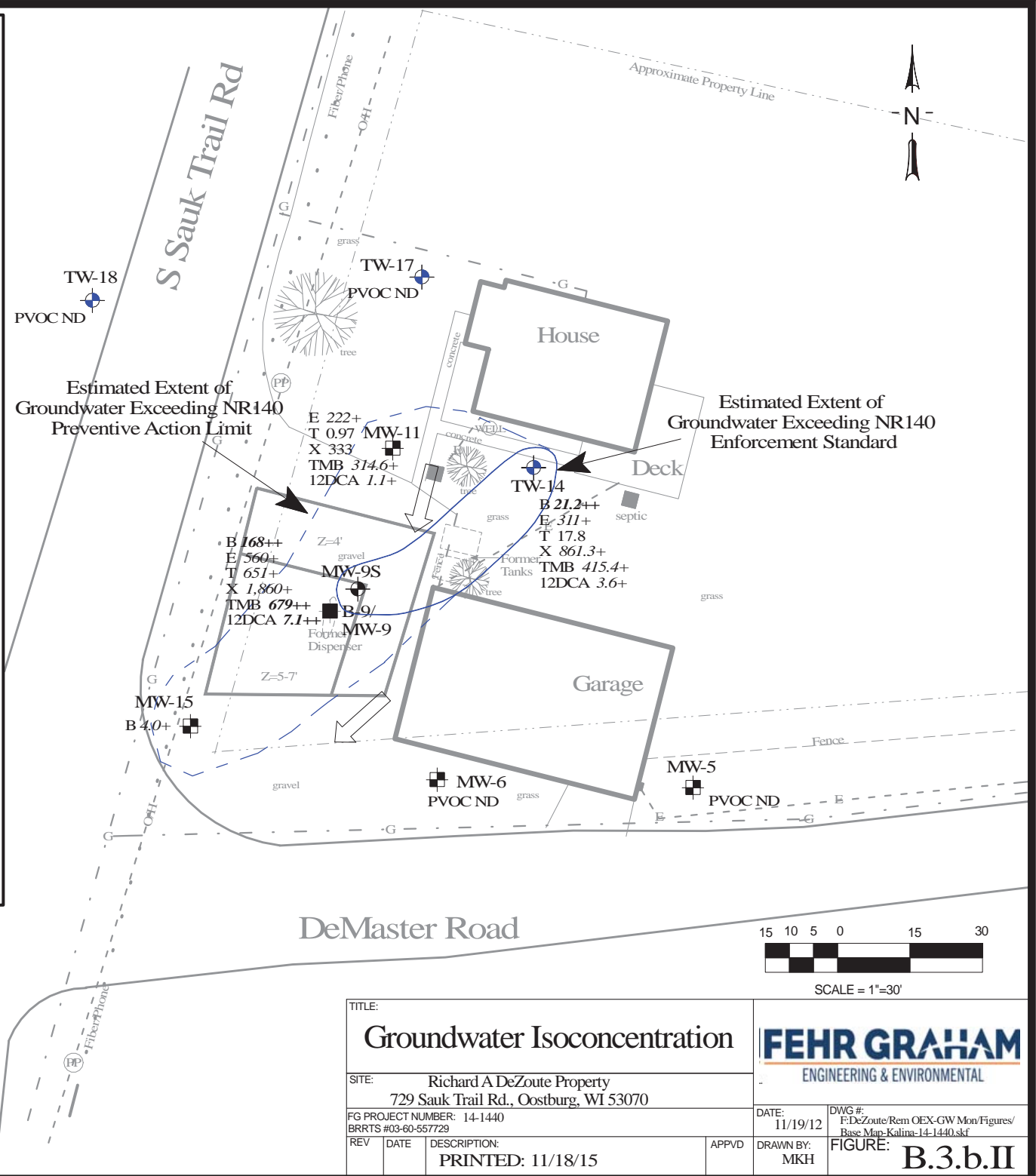
□ December 2014 Excavation Limits
 Z=5-7' Excavation Depth

Groundwater Chemistry (ug/L)

- 3/7/13 Sample Date
- B Benzene (ug/l)
 - E Ethylbenzene (ug/l)
 - T Toluene (ug/l)
 - X Xylenes (ug/l)
 - TMB 1,2,4-, 1,3,5-Trimethylbenzene (ug/l)
 - 12DCA 1,2-Dichloroethane (ug/l)
- ITALICS+* Exceeds NR140 Preventive Action Limit
BOLD++ Exceed NR140 Enforcement Standard
 ND No Detect

Groundwater Flow Direction 8/15/15

- Gas Line
- Fiber Optic Phone
- Electric Overhead Lines



TITLE: Groundwater Isoconcentration					
SITE: Richard A DeZoute Property 729 Sauk Trail Rd., Oostburg, WI 53070				DATE: 11/19/12	DWG #: F:DeZoute/Rem OEX-GW Mon/Figures/ Base Map-Kalina-14-1440.skf
FG PROJECT NUMBER: 14-1440 BRRTS #03-60-557729				APPVD	DRAWN BY: MKH
REV	DATE	DESCRIPTION:	APPVD	FIGURE: B.3.b.II	
		PRINTED: 11/18/15			

LEGEND

B-1 ● Soil Boring

MW-9S  Sump

SE-5 X Dec. 2014 Excavation Sample


 December 2014 Excavation Limits

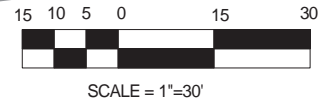
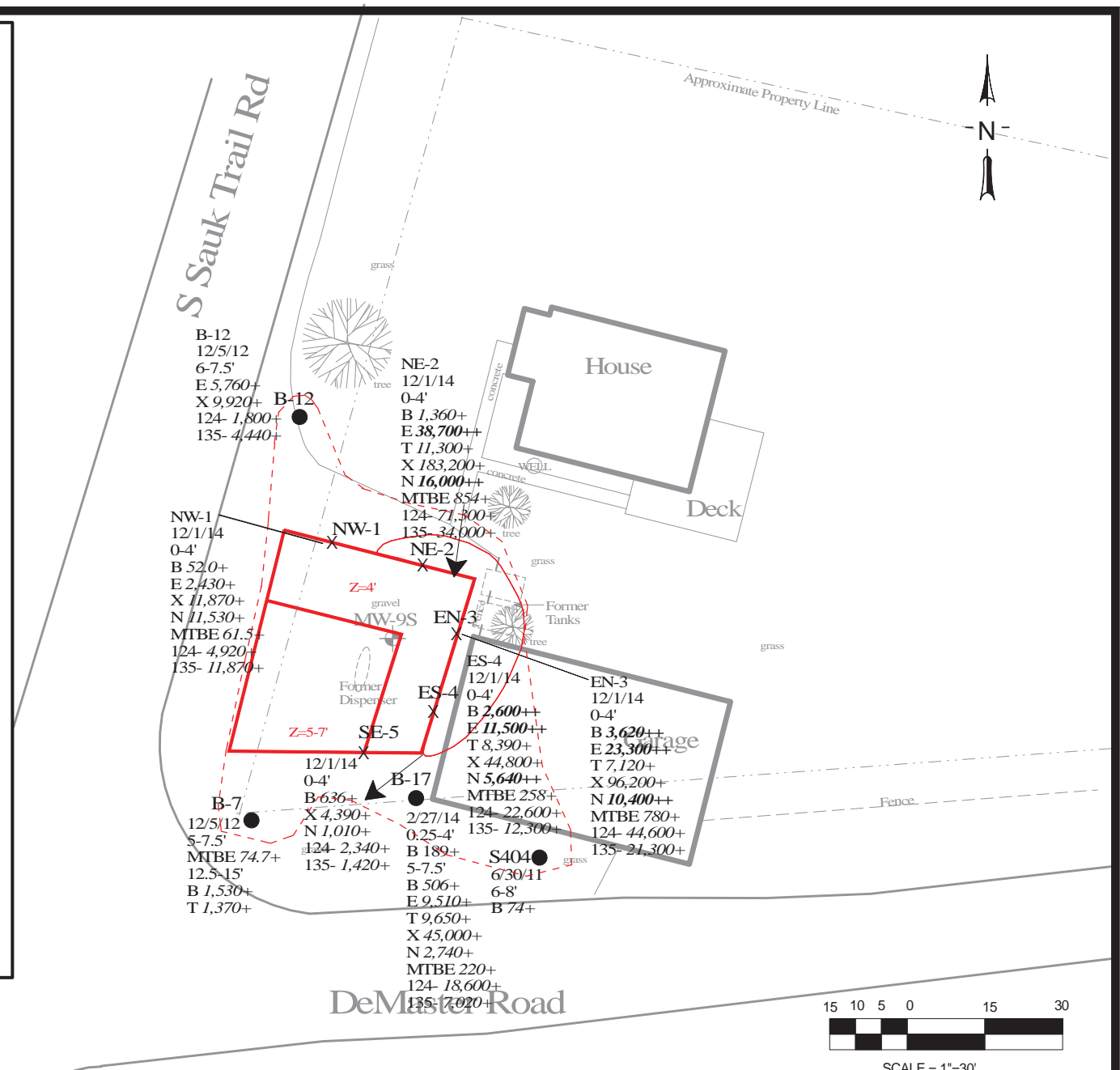
Z=5-7' Excavation Depth


EN-3 Sample ID
 12/1/14 Sample Date
 0-4' Sample Depth
 B Benzene (ug/kg)
 E Ethylbenzene (ug/kg)
 T Toluene (ug/kg)
 X Xylenes, total (ug/kg)
 N Naphthalene (ug/kg)
 MTBE Methyl-Tert-Butyl-Ether (ug/kg)
 124- 1,2,4-Trimethylbenzene (ug/kg)
 135- 1,3,5-Trimethylbenzene (ug/kg)
ITALICS+ Exceeds Groundwater Pathway RCL
BOLD++ Exceeds Direct Contact (0-4') RCL

 Estimated Extent of VOC Contaminated Soil Exceeding Direct Contact RCL

 Estimated Extent of VOC Contaminated Soil Exceeding Groundwater Pathway RCL

 Groundwater Flow Direction 8/15/15



TITLE: Residual Soil Contamination				 ENGINEERING & ENVIRONMENTAL	
SITE: Richard A DeZoute Property 729 Sauk Trail Rd., Oostburg, WI 53070				DATE: 11/19/12	
FG PROJECT NUMBER: 14-1440 BRRTS #03-60-557729				DWG #: F:\DeZoute\Rem OEX-GW Mon\Figures\Base Map-Kalina-14-1114.skf	
REV	DATE	DESCRIPTION:	APPVD	DRAWN BY: MKH	
		PRINTED: 12/9/15		FIGURE: B.2.b	

LEGEND

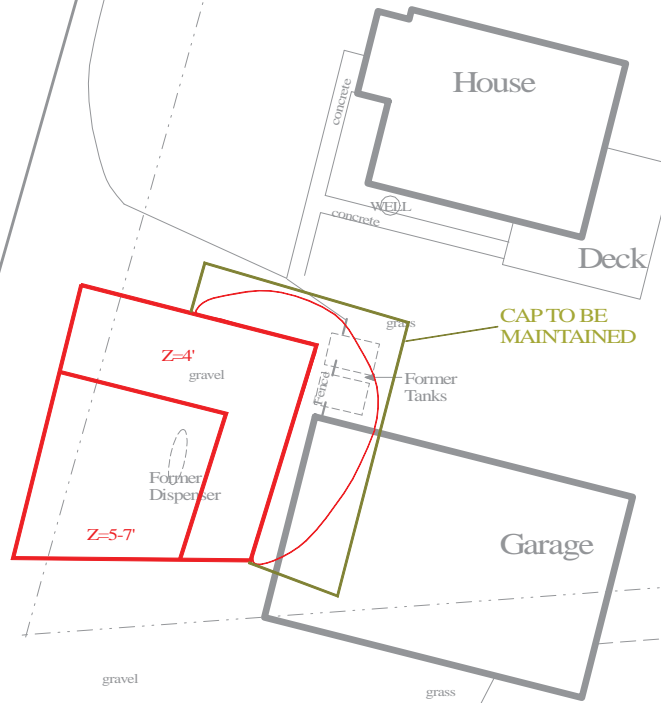
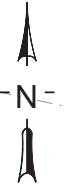
 December 2014 Excavation Limits

Z=5-7' Excavation Depth

 Estimated Extent of VOC Contaminated Soil Exceeding Direct Contact RCL

S Sauk Trail Rd


Approximate Property Line



DeMaster Road



SCALE = 1"=30'

TITLE: Cap Location Map				 ENGINEERING & ENVIRONMENTAL	
SITE: Richard A DeZoute Property 729 Sauk Trail Rd., Oostburg, WI 53070				DATE: 11/19/12	
FG PROJECT NUMBER: 14-1440 BRTS #03-60-557729				DWG #: F:\DeZoute\Rem OEX-GW Mon\Figures/ Base Map-Kalina-14-1114.skf	
REV	DATE	DESCRIPTION:	APPVD	DRAWN BY:	FIGURE:
		PRINTED: 4/12/16		MKH	D.2

COVER / BARRIER MAINTENANCE PLAN

October 14, 2015

Property Located at:

Kalima, LLC
(Former "DEZOUTE RICHARD A PROPERTY")
729 S. Sauk Trail Road
Oostburg, WI 53070
Sheboygan County
SE ¼ of the SE ¼ of Section 06, T13N, R23E
BRRTS # 03-60-557729
WTM: X 698882; Y 351616

Parcel No: 59165719730

PRT SE SE, SEC 6, COM 746' W OF SE COR SD1/4, TH N 120', N78 DEG 23'08" W 260.31' TO CEN USH 141 (NOW SAUK TRAIL RD), S18 DEG 36'28" W 181.87' ON CEN SD HWY TO S LN SEC 6, TH E 313.04' TO BEG.

Introduction

This document is the Maintenance Plan for a cover/barrier which includes a grass vegetation cover, a gravel parking lot, and a 1,500 square foot garage building at the above-referenced property in accordance with the requirements of s. NR 724.13 (2), Wis. Adm. Code. The maintenance activities relate to the existing cover/barrier which addresses or occupies the area over the contaminated soil.

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

- The case file in the DNR Northeast Region (NER) office
- [BRRTS on the Web](#) (DNR's internet based data base of contaminated sites) for the link to a PDF for site-specific information at the time of closure and on continuing obligations;
- [RR Sites Map/GIS Registry layer](#) for a map view of the site, and
- The DNR project manager for Sheboygan County.

D.1. Descriptions:

Description of Contamination

Soil contaminated by petroleum is located at a depth of 2-4 feet at the southwestern portion of the property. Groundwater contaminated by petroleum is located at a depth of approximately 4.5-9-feet below grade. The extent of the soil and groundwater contamination is shown on the attached maps (Figure 1 and Figure 2).

Description of the Cover/Barrier to be Maintained

The Cover/Barrier consists of grass vegetation cover, a gravel parking lot, and a 1,500 square foot garage building. It is located on the northeast corner of S. Sauk Trail Road (729 S. Sauk Trail Road) and DeMaster Road in the Village of Oostburg, Wisconsin as shown on the attached Figure D.2.

Cover/Building/Slab/Barrier Purpose

The grass vegetation cover, gravel parking lot, and 1,500 square foot garage building over the contaminated soil serve as barriers to prevent direct human contact with residual soil contamination that might otherwise pose a threat to human health. The cover/barrier also acts as a partial infiltration barrier to minimize future soil-to-groundwater contamination migration that would violate the groundwater standards in ch. NR 140, Wisconsin Administrative Code. Based on the current use of the property, residential, the barrier should function as intended unless disturbed.

Annual Inspection

The grass vegetation cover, gravel parking lot, and 1,500 square foot garage building overlying the contaminated soil and as depicted in Figure D.2 will be inspected once a year, normally in the spring after all snow and ice is gone, for deterioration, cracks and other potential problems that can cause additional infiltration into or exposure to underlying soils. The inspections will be performed by the property owner or their designated representative. The inspections will be performed to evaluate damage due to settling, exposure to the weather, wear from traffic, increasing age and other factors. Any area where soils have become or are likely to become exposed and where infiltration from the surface will not be effectively minimized will be documented.

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

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

The property owner, in order to maintain the integrity of the cover/barrier, will maintain a copy of this Maintenance Plan at the site; or, if there is no acceptable place to keep it at the site (for example, no building is present), at the address of the property owner and make it available to all interested parties (i.e. on-site employees, contractors, future property owners, etc.) for viewing.

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

The following activities are prohibited on any portion of the property where pavement, a building foundation, soil cover, or other barrier is required as shown on the attached map, unless prior written approval has been obtained from the Wisconsin Department of Natural Resources: 1) removal of the existing barrier; 2) replacement with another barrier; 3) excavating or grading of the land surface; 4) filling on capped or paved areas; 5) plowing for agricultural cultivation; 6) construction or placement of a building or other structure; or 7) changing the use or occupancy of the property to single-family residential use.

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

Amendment or Withdrawal of Maintenance Plan

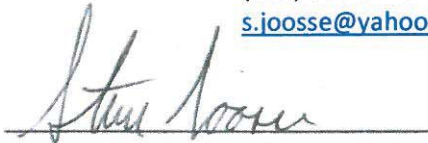
This Maintenance Plan can be amended or withdrawn by the property owner and its successors with the written approval of DNR.

Contact Information

October 2015

Site Owner and Operator: Mr. Steve Joosse
Kalima, LLC
W1897 DeMaster Road
Oostburg, WI 53070-1508
(920) 980-5448
s.joosse@yahoo.com

Signature:



Consultant: Fehr Graham
1237 Pilgrim Road
Plymouth, WI 53073
(920) 892-2444

DNR: Tom Verstegen
OSHKOSH SERVICE CENTER
625 E County Road Y, Suite 700
Oshkosh, WI 54901
(920) 424-0025

D.2 Location Map(s)

Figure 1: Residual Soil Contamination
Figure 2: Groundwater Isoconcentration
Figure 3: Site Location Map

D.3 Photographs of Cover/Barrier

D.4 Continuing Obligations Inspection and Maintenance Log

Use DNR Fillable Form [Form 4400-305](#)

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 DEZOUTE RICHARD A PROPERTY	BRRTS No. 03-60-557729
-----------------------------------------------------------	----------------------------------

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):

Thomas.Verstegen@wisconsin.gov

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
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{Click to Add/Edit Image}

Date added: 10/13/2015



Title: Cap to be maintained, looking North from DeMaster Road

{Click to Add/Edit Image}

Date added:



Title:



April 21, 2016

Ms. Jill Ludens
Clerk/Treasurer Village of Oostburg
PO Box 700227
Oostburg, WI 53070

SUBJECT: Notice of Closure Approval with Continuing Obligations for Rights-of-Way Holders abutting 729 South Sauk Trail Rd, Oostburg
Final Case Closure for Richard A. DeZoute Property (Former), 729 South Sauk Trail Rd, Oostburg
DNR BRRTS Activity #: 03-60-557729

Dear Ms. Ludens:

The Department of Natural Resources (DNR) recently approved the completion of environmental work done at the former Richard A. DeZoute property. This letter describes how that approval applies to the right-of-way at 729 South Sauk Trail Rd, Oostburg. As the right-of-way holder, you are responsible for complying with certain continuing obligations included in the closure approval.

State law directs parties responsible for environmental contamination to take actions to restore the environment and minimize harmful effects. The law allows some contamination to remain in soil and groundwater if it does not pose a threat to public health, safety, welfare or to the environment.

On December 9, 2015, you received information from Mr. Matt Dahlem of the environmental consulting firm Fehr Graham, about the contamination at Richard A. DeZoute Property (Former), located at 729 South Sauk Trail Rd, Oostburg, and about the continuing obligations. Continuing obligations are meant to limit exposure to any remaining contamination.

Applicable Continuing Obligations

The continuing obligations that apply to this right-of-way are described below, and are consistent with Wis. Stat. § 292.12, and Wis. Admin. § NR 700 series.

*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 B-4, B-7, B-9, B-12, B-14, B-17, NE-2, EN-3, ES-4, SE-5, and S404 as indicated on the attached map (Residual Soil Contamination, Figure B.2.b, November 19, 2012).
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. This continuing obligation also applies to the ROW holders for S Sauk Trail Road and DeMaster Road.*

Ms. Jill Ludens
Notice of Closure Approval with Continuing Obligations for Right-of-Way Holders
Richard A. Dezoute Property (Former), BRRTS #03-60-557729

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.

Send all written notifications in accordance with these requirements to Department of Natural Resources, 2984 Shawano Avenue, Green Bay WI 54313-6727, to the attention of the Remediation and Redevelopment Program Environmental Program Associate.

Additional Information

Additional information about this case is available at the DNR's Bureau for Remediation and Redevelopment Tracking System (BRRTS) on the Web at <http://dnr.wi.gov/botw/SetUpBasicSearchForm.do>. Enter 0360557729 in the **Activity Number** field in the initial screen, then click on **Search**. Scroll down and click on the **GIS Registry Packet** link for information about the completion of the environmental work. The site may also be seen on the map view, RR Sites Map. RR Sites Map can be found at <http://dnr.wi.gov/topic/Brownfields/clean.html>.

Please contact Tom Verstegen, the DNR Project Manager, at 920-424-0025 or Thomas.verstegen@wisconsin.gov with any questions or concerns.

Sincerely,

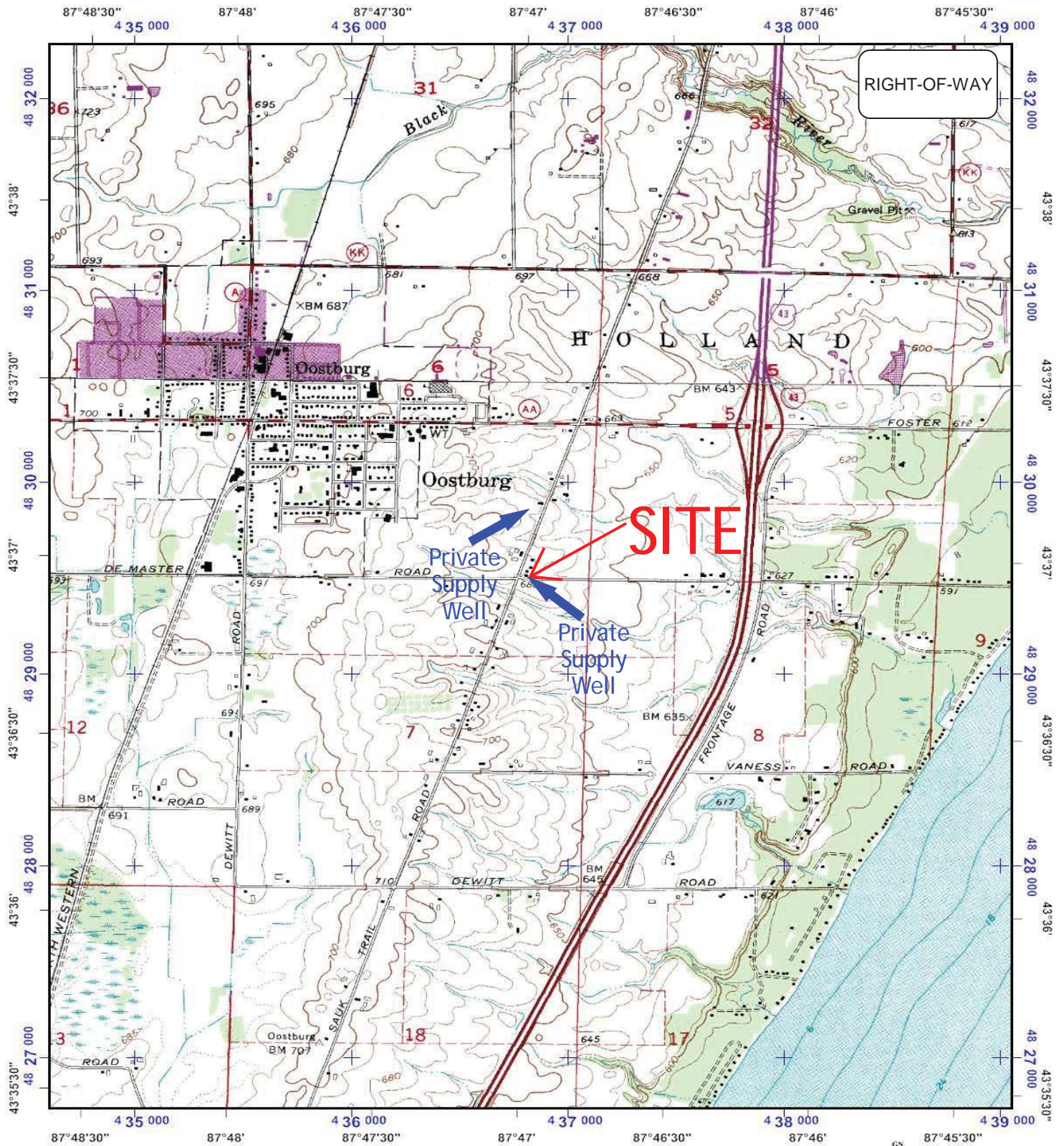


Roxanne N. Chronert
Team Supervisor, Northeast Region
Remediation and Redevelopment Program

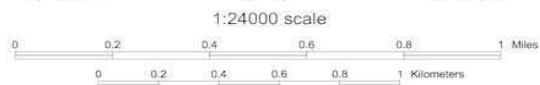
Attachments:

- Location Map, Figure B.1.a, April 7, 2015
- Residual Soil Contamination, Figure B.2.b, November 19, 2012

cc: Mr. Steve Joosse, W1897 DeMaster Rd, Oostburg, WI 53070
Matt Dahlem – Fehr Graham (email)



Universal Transverse Mercator (UTM) Projection Zone 16
 North American Datum of 1983
 1000 meter UTM / USNG / MGRS
 Gnd Zone Designation: 16T
 100,000-m Squares: DP



Magnetic declination of 4W at center of map
 on March 17, 2011

TITLE:		Location Map	
SITE:		Richard A DeZoute Property 729 S Sauk Trail Rd, Oostburg, WI 53070	
REV		DATE	APPVD
		Job # 14-1440 BRRS# 03-60-557729	

FEHR GRAHAM
 ENGINEERING & ENVIRONMENTAL

DATE:	APPVD:	FILE:
4/7/15		0: Site Location - 14-1440.skf
DRAWN:	MH	FIGURE: B.1.a

LEGEND

B-1 ● Soil Boring

MW-9S  Sump

SE-5 X Dec. 2014 Excavation Sample

 December 2014 Excavation Limits

Z=5-7' Excavation Depth

EN-3 Sample ID
 12/1/14 Sample Date
 0-4' Sample Depth
 B Benzene (ug/kg)
 E Ethylbenzene (ug/kg)
 T Toluene (ug/kg)
 X Xylenes, total (ug/kg)
 N Naphthalene (ug/kg)
 MTBE Methyl-Tert-Butyl-Ether (ug/kg)
 124- 1,2,4-Trimethylbenzene (ug/kg)
 135- 1,3,5-Trimethylbenzene (ug/kg)
ITALICS+ Exceeds Groundwater Pathway RCL
BOLD++ Exceeds Direct Contact (0-4') RCL

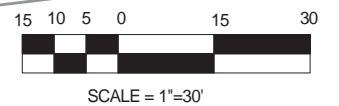
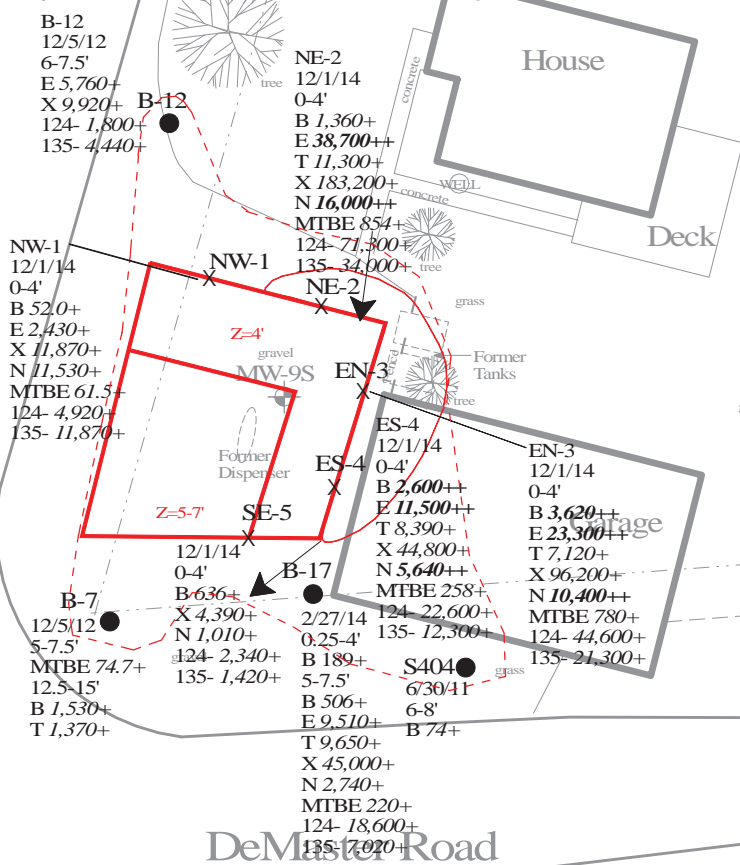
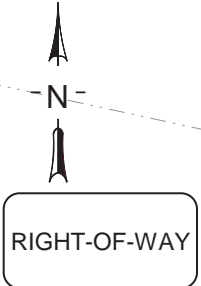
 Estimated Extent of VOC Contaminated Soil Exceeding Direct Contact RCL


 Estimated Extent of VOC Contaminated Soil Exceeding Groundwater Pathway RCL

 Groundwater Flow Direction 8/15/15

S Sauk Trail Rd

Approximate Property Line



TITLE: Residual Soil Contamination					
SITE: Richard A DeZoute Property 729 Sauk Trail Rd., Oostburg, WI 53070					
FG PROJECT NUMBER: 14-1440 BRRTS #03-60-557729				DATE: 11/19/12	DWG #: F:\DeZoute\Rem OEX-GW Mon\Figures\Base Map-Kalina-14-1114.skf
REV	DATE	DESCRIPTION:	APP'VD	DRAWN BY: MKH	FIGURE: B.2.b
PRINTED: 12/9/15					

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. 03-60-557729	VPLE No.		
Parcel ID No. 59165719730	FID No.		
	WTM Coordinates		
	X 698882	Y 351616	
BRRTS Activity (Site) Name DEZOUTE RICHARD A PROPERTY	WTM Coordinates Represent: <input type="checkbox"/> Source Area <input checked="" type="checkbox"/> Parcel Center		
Site Address 729 S SAUK TRAIL RD	City OOSTBURG	State WI	ZIP Code 53070
Acres Ready For Use 0.97			

Responsible Party (RP) Name Steve Joosse			
Company Name Kalima, LLC			
Mailing Address W1897 DeMaster Road	City Oostburg	State WI	ZIP Code 53070
Phone Number (920) 980-5448	Email s.joosse@yahoo.com		

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

Environmental Consultant Name Matt Dahlem			
Consulting Firm Fehr Graham Engineering & Environmental			
Mailing Address 1237 Pilgrim Road	City Plymouth	State WI	ZIP Code 53073
Phone Number (920) 892-2444	Email mdahlem@fehr-graham.com		

Fees and Mailing of Closure Request

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

\$1,050 Closure Fee

\$300 Database Fee for Soil

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

Total Amount of Payment \$ \$1,700.00

Resubmittal, Fees Previously Paid

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

Site Summary

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

1. General Site Information and Site History

- A. Site Location: Describe the physical location of the site, both generally and specific to its immediate surroundings.
The site is located on the northeast corner of S. Sauk Trail Road and DeMaster Road in the Village of Oostburg. The approximately one-acre property is located in the SE 1/4 of the SE 1/4 of Section 06, T13N, R23E. The site consists of a 1,500 square foot garage building and a separate home (basement is 6.5-feet below ground surface), with a private supply well and septic tank.
- B. Prior and current site usage: Specifically describe the current and historic occupancy and types of use.
The property was a gas station up until they discontinued gasoline sales in 1965, when S. Sauk Trail Road closed as a highway and I-43 opened up. Two former underground gasoline storage tanks (USTs) (one 500 gallon leaded gasoline and one 800 gallon leaded gasoline) were present on the property, which were removed in 1972. There were/are no other known tanks on the property.. Kalima, LLC operates as a trucking business on the property, with parking of vehicles and storage of related trucking equipment.
- C. Current zoning (e.g., industrial, commercial, residential) for the site and for neighboring properties, and how verified (Provide documentation in Attachment G).
R-1 - Residential. Verified by Jill E. Ludens, Clerk/Treasurer, Village of Oostburg
- D. Describe how and when site contamination was discovered.
In June 2011, four soil borings (S102, S202, S302 and S404) were installed at the site by Bonestroo Inc., Mequon, WI. The results indicated soil was contaminated with petroleum and a release was reported to the Wisconsin Department of Natural Resources (WDNR).
- E. Describe the type(s) and source(s) or suspected source(s) of contamination.
Leaded gasoline contamination from a former Underground Storage Tank (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.
DEZOUTE RICHARD A PROPERTY 03-60-557729
- H. List BRRTS activity/site name(s) and number(s) for all properties immediately adjacent to (abutting) this source property.
Not Applicable

2. General Site Conditions

- A. Soil/Geology
- i. Describe soil type(s) and relevant physical properties, thickness of soil column across the site, vertical and lateral variations in soil types.
Gravel, grass/topsoil, and asphalt covers the surface of the site. These surficial layers are all underlain by native silty clay, typically reddish brown to the investigated depth of 20 feet. Occasional sand or gravel intervals were noted in a few logs, but in general, the site consists of tight clay.
 - ii. Describe the composition, location and lateral extent, and depth of fill or waste deposits on the site.
Fill was encountered across the site and included up to 3-feet of sand and gravel, up to 3-feet of topsoil and/or up to 0.5-feet of asphalt.
 - iii. Describe the depth to bedrock, bedrock type, competency and whether or not it was encountered during the investigation.
Unconsolidated deposits are mapped as extending to between 100 and 200 feet, with the bedrock consisting of dolomite and shale of the Devonian Milwaukee Formation. Bedrock was not encountered during any investigation activities.
 - iv. Describe the nature and locations of current surface cover(s) across the site (e.g., natural vegetation, landscaped areas, gravel, hard surfaces, and buildings).
The site consists of grass vegetation cover, a gravel parking lot, a 1,500 square foot garage building, a separate home and some asphalt pavement.
- 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.
The depth to water in the five site monitoring wells ranged from 4.5 to 9 feet below grade in August 2015.
- ii. Discuss groundwater flow direction(s), shallow and deep. Describe and explain flow variations, including fracture flow if present.
The August 2015 groundwater elevations indicate a natural shallow groundwater flow direction to the southwest for the onsite wells.
- iii. Discuss groundwater flow characteristics: hydraulic conductivity, flow rate and permeability, or state why this information was not obtained.
The horizontal hydraulic gradient on August 17, 2015 is approximately 0.076 foot/foot from MW-11 to MW-15. The native formation has a low hydraulic conductivity, as all wells completed in the native materials can be purged dry using a bailer. The native deposits are assumed to have a hydraulic conductivity of 10-6 cm/sec.

Using the horizontal hydraulic gradient of 0.076 foot/foot, an average hydraulic conductivity of 10-6 cm/sec, and an assumed porosity of 30%, the estimated advective groundwater velocity is 2.4 feet/year.
- 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).
Unconsolidated deposits are mapped as extending to between 100 and 200 feet. Three well logs on file for the same quarter section (SE quarter, Section 6, T13N, R 23E) have been reviewed. The geology consists of approximately 75 to 90 feet of clay with possible sand intervals, underlain by an estimated 15 to 30 feet of "hardpan" (cemented till). The dolomite bedrock was encountered at approximately 88 to 135 feet below grade, with water present at approximately 37 to 48 feet below grade when the well is completed in the dolomite bedrock.

A well log for the site supply well could not be located. It is suspected the well will have a similar construction as the three other well logs in the same quarter section, with steel casing extending to the bedrock surface more than 100 feet below grade.

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.

Historical Soil Contamination

In June 2011, four soil borings (S102, S202, S302 and S404) were installed at the site by Bonestroo Inc., Mequon, WI. The results indicated soil was contaminated with petroleum and a release was reported to the Wisconsin Department of Natural Resources (WDNR).

In December 2012, ten soil borings were advanced (B-5 to B-14) by Alpha Terra Science, Inc. (currently Fehr Graham), with four completed as NR-141 compliant monitoring wells (MW-5 to MW-9), and one completed as a temporary well (TW-14). The results indicated high concentrations of petroleum constituents were present in the soil from a relatively large area centered near MW-9.

In April 2014, three soil borings were advanced (B-15 to B-17) by Fehr Graham, with two completed as NR-141 compliant monitoring wells (MW-15 and MW-16) in order to delineate any down-gradient contamination. The results indicated on-site soil was contaminated with petroleum constituents.

Based on the historic data, the horizontal extent of soil contamination was defined in most directions, based on relatively clean soil results from borings B-8, B-13, B-10, MW-5, B-4, MW-6 and MW-16. The highest soil contaminant concentrations appeared to be related to the smear zone from approximately 3 to 7.5 feet.

Historical Pre-Remediation Groundwater Contamination

In April 2014, the last round of pre-remedial groundwater samples were obtained from seven groundwater monitoring for analysis of Petroleum Volatile Organic Compounds+ Naphthalene (PVOCs+N), 1,2-dichloroethane (1,2-DCA) and lead. The April 2014 results indicated concentrations of benzene and 1,2-DCA were present in the groundwater at levels above the NR140 Enforcement Standard (ES) in well MW-9. Additionally, 1,2-DCA was present in groundwater from MW-11 at a level above the NR140 ES while benzene was present in groundwater from MW-15 at a level above the NR140 ES. 1,2-DCA was detected above the NR140 Preventative Action Limit (PAL) in MW-6 and MW-15 while benzene was detected above the PAL in MW-11. It should be noted that down-gradient, off-site groundwater monitoring well MW-16 had no PVOCs+N, 1,2-DCA or lead above laboratory method detection limits.

Historical Indoor Vapor

The indoor air laboratory analytical results indicated that several VOCs were identified in subslab vapors; however, all the VOC concentrations were lower than the relevant indoor air standards.

- 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.
Soil contamination at borings S404, B-7, B-12 and B-17 contain elevated PVOC+N concentrations above the non-industrial groundwater pathway within the South Sauk Trail and DeMaster ROWs to depths up to 8-feet below grade.
- 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.

Not Applicable

B. Soil

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

The vast majority of petroleum-contaminated soil related to the former petroleum storage tank system at the site was excavated in December 2014. A total of 451.34 tons of soil from depths of up to 7 feet below grade were removed and properly discarded. The excavation has been backfilled and returned to pre-remedial site conditions as a parking lot.

Soil chemistry results indicate remaining soils at the site contain levels of PVOCs+N at levels above regulatory residual contaminant levels for non-industrial sites. The observed concentrations are present in soil within and beyond the limits of the December 2014 excavation (Figure B.2.b).

- ii. Describe the concentration(s) and types of soil contaminants found in the upper four feet of the soil column.
Direct contact concerns usually apply to those soils located in the upper 4-feet of the ground surface that exceed WDNR non-industrial direct contact values. As shown on Figure B.2.b, there are exceedances of WDNR Non-Industrial Direct Contact RCLs at excavation samples NE-2, EN-3 and ES-4. Exposure to contaminated soil is not a significant migratory pathway of concern, as human contact to soil is limited by the site conditions, including the presence of asphalt, concrete, buildings, gravel and vegetative barriers across the property.

To note, the soil above WDNR Non-Industrial Direct Contact RCLs within the upper 4-feet of soil at the site at borings S102, S202, S302 and B-9/MW-9 were removed with the remedial excavation. The other remaining soil above WDNR Non-Industrial Direct Contact RCLs (B-7, MW-11, B-14/TW-14 and B-17) are all \geq 4-feet bgs, so these areas are not a direct contact concern.

- 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.

Generic WDNR Non-Industrial RCLs were used as soil cleanup standards for this site. Land use classification at the site is R-1 - Residential.

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.

The August 2015 results indicate concentrations of benzene are present in the groundwater at levels above the NR140 ES in wells MW-9S and TW-14 (Figure B.3.b). Additionally, total trimethylbenzenes (TMBs) and 1,2-DCA are above the NR140 ES in well MW-9S. The following analytes were detected above the PAL: 1,2-DCA in MW-6; ethylbenzene, toluene and total xylenes in MW-9S; ethylbenzene, total TMBs and 1,2-DCA in MW-11; and ethylbenzene, total xylenes, total TMBs and 1,2-DCA in TW-14. The 1,2-DCA concentrations in MW-6, MW-9S and TW-14 were detected between the laboratory Limit of Detection (LOD) and Limit of Quantitation (LOQ), meaning these concentrations were considered true hits, but not an accurate concentration and thus, not considered to be substantial.

In general, shallow groundwater contamination exists at the site, but removal of the majority of the petroleum-contaminated soil across the capillary fringe have resulted in improvements to the groundwater. Additionally, the geochemical parameters qualitatively support biodegradation of the petroleum contaminants is actively occurring in the site's groundwater.

- 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.
Not Applicable

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.
One vapor probe was installed immediately beneath the basement floor of the on-site residence at an estimated depth of seven feet below surface grade. The vapor probe was installed near the center of the basement (Figure B.4.a). The house is currently unoccupied, and the basement is not a finished basement, being primarily used for storage.

The vapor probe was installed per WDNR guidance by advancing a 1/2 inch diameter hole through the building floor approximately 2 inches into the underlying silty clay soil. The floor consisted of approximately 4 inches of concrete. The vapor probe consists of brass compression fittings with nylon tubing that extends into the subslab soil. The vapor probe is cemented into place in the concrete floor with quick drying cement, and care was taken to get an airtight seal.

The vapor sample was obtained on November 22, 2013 using a laboratory-provided 6-liter summa canister directly connected to the sub-slab probe with dedicated nylon tubing. Prior to sampling, a shut-in vacuum test was performed using a hand pump and pressure gauge to verify the integrity of the tubing connections to the summa canister. To verify the integrity of the concrete seal around the vapor probe at the floor, during the sampling period, a water dam was built. The water dam consisted of a 2-inch PVC coupling and putty / bentonite that created a watertight seal with the concrete floor. For the duration of sampling, the vapor probe floor penetration was covered with approximately 2 inches of water, which was observed to make sure there was no leakage through the vapor probe penetration into the subsurface.

The vapor sample flow rate was approximately 200 cc / minute using a flow regulator provided by the laboratory, and required approximately 30 minutes for sampling. The starting and ending vacuum on the canister was recorded. The sample was delivered under chain of custody procedures to Pace Analytical Laboratory, St. Paul, MN for analysis of full Volatile Organic Compounds (VOCs) using NIOSH Method TO-15.

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

At the time of sampling on November 22, 2013, field screening for total volatile organic vapors from the building's basement was conducted using a Thermo Instruments 580B PID equipped with a 10.6 electron volt lamp. The PID was calibrated prior to use through the introduction of zero gas and a 250 ppm isobutylene gas standard. No field detections of VOCs were recorded in the basement of the house using the PID during the laboratory vapor testing period.

Standards for inhalation of air in a residential setting have been determined using the risk-based assessment methods of the US EPA. The WDNR and the Wisconsin Department of Health and Family Services accepts these calculated EPA values, but allows for site specific modification of the EPA values to allow for a 1 in 100,000 excess lifetime cancer risk for carcinogens. For non-carcinogens, the hazard index utilized by the EPA of 1.0 is also the value recommended for use by the WDNR and WDHFS, so no modification of the EPA values for non--carcinogens is necessary.

Subslab vapor results are assumed to have a ten-fold dilution factor when compared to concentrations allowed in the indoor air. As shown on Table A.4, the subslab basement results from the on-site residence indicate several VOCs were identified in subslab vapors; however, all the VOC concentrations are lower than the relevant subslab vapor air standards.

E. Surface Water and Sediment

- i. Identify whether surface water and/or sediment was assessed and describe the impacts found. If this pathway was not assessed, explain why.
Not Applicable
- ii. Identify any surface water and/or sediment action levels used to assess the impacts for this pathway and how these were derived. Describe where the DNR action levels were reached or exceeded.
Not Applicable

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.
Not Applicable

- B. Describe any immediate or interim actions taken at the site under ch NR 708, Wis. Adm. Code.
Not Applicable

- 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.

The excavation followed the PECFA-approved procedures from the Fehr Graham July 2, 2014 Proposed Additional Scope of Work. The excavation activities took place on December 1 and December 2, 2014. Groundwater monitoring well MW-9 was properly abandoned prior to the excavation by Fehr Graham.

As the low bidder, Wagner Excavating Inc. of Sheboygan, WI was awarded the contract for remedial excavation services. A standard backhoe/excavator and dump trucks were used for the excavation activities and no stockpiling of contaminated soil occurred at the site.

Per the WDNR approved Scope of Work, the excavation extended to depths of 4-feet to 7-feet below grade, which was below the water table. However, due to winter conditions and since groundwater recharge in clay is very slow, there was minimal groundwater infiltration during excavation activities. A total of 451.34 tons of petroleum impacted soil was removed from the site on December 1-2, 2014, with direct loading and hauling to Advanced Disposal's Hickory Meadows subtitle D landfill in Hilbert, Wisconsin (disposal documentation included in Appendix C). Pictures of the excavation operations are shown in Appendix C.

Fehr Graham replaced MW-9 with a 2-inch PVC sump (MW-9R) to 12-feet bgs (10-foot screen) during remedial excavation activities. The contractor excavated a pit to a depth of approximately 12-feet near MW-9 to allow for installation of the sump below the water table, so it could act as a future groundwater monitoring point. The sump included a ten-foot slotted interval, and was completed flush with the ground surface, with a traffic-weight cover. Fehr Graham provided the sump construction materials and flush mounted cover; the contractor assisted with installation and provided the pea gravel backfill that was placed around the screen. The location of the sump is shown on Figure B.3.d.

During the excavation, Fehr Graham's field representative screened soil samples for the potential presence of contamination through visual inspection and headspace analysis using a ThermoEnvironmental Instruments photoionization detector (PID) equipped with a 10.2 eV lamp. At various sidewall and floor sample locations, an approximately 50/50 mixture of air and soil was placed in a zippered plastic bag, agitated and allowed to de-gas. The headspace gasses in the bag were then tested for volatile organic content using the PID. PID readings ranged from 16.1 parts per million (ppm) at 3W to 838 ppm at ES-4 (Figure B.2.a.1).

Following excavation, eight (8) soil samples from the perimeter (sidewalls) were obtained to document the chemistry of the remaining in-place soil. Floor samples were not retained, as the floor was below the water table surface, and the samples would not be representative of soil chemistry results. Fehr Graham staff sampled the sidewalls for PVOCs+N. Samples were handled according to standard procedures and using appropriate WDNR approved sampling methods. Approximately 10 cubic centimeters of soil were measured in a dedicated plastic syringe and extruded into laboratory-provided sample jars that were pre-preserved with laboratory grade methanol.

Disposable nitrile gloves were worn during all soil sampling activities, and gloves were changed between sample locations to prevent cross contamination. After collection, all samples were stored in a cooler with ice or refrigerated until delivered to the laboratory. Samples were delivered via courier under chain-of-custody procedures to Pace Analytical in Green Bay, WI for analysis. All required holding times for samples were maintained.

- D. Describe the alternatives considered during the Green and Sustainable Remediation evaluation in accordance with NR 722.09 and any practices implemented as a result of the evaluation.
Not Applicable

- 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.

Soil chemistry results indicate remaining soils at the site and within the South Sauk Trail and DeMaster ROWs contain levels of PVOCs+N at levels above regulatory residual contaminant levels for non-industrial sites. The observed concentrations are present in soil on-site and within the South Sauk Trail and DeMaster ROWs are shown on Figure B.2.b.

- 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.

As shown on Figure B.2.b, there are exceedances of WDNR Non-Industrial Direct Contact RCLs at excavation samples NE-2, EN-3 and ES-4. Exposure to contaminated soil is not a significant migratory pathway of concern, as human contact to soil is limited by the site conditions, including the presence of asphalt, concrete, buildings, gravel and vegetative barriers across the property.

- 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.
Excavation sidewall sample results indicated the soil contained elevated PVOC+N concentrations above the non-industrial groundwater pathway RCLs at NW-1, NE-2, EN-3, ES-4 and SE-5. Soil at borings S404, B-7, B-12 and B-17 also contain elevated PVOC+N concentrations above the non-industrial groundwater pathway. With the approximate water table interface at 2.08 feet below ground surface (bgs) at sump MW-9S, located within the excavation, the petroleum soil contamination could represent saturated soil that is reflective of groundwater contamination and not soil contamination.
- H. Describe how the residual contamination will be addressed, including but not limited to details concerning: covers, engineering controls or other barrier features; use of natural attenuation of groundwater; and vapor mitigation systems or measures.
The observed soil above RCLs does not pose a risk to human health or the environment due to the limited potential for direct contact exposure. The site has a grass vegetation cover, a gravel parking lot, a 1,500 square foot garage building, a separate home and some asphalt pavement, minimizing the potential for exposure to shallow soil via either ingestion or particulate inhalation. A Cap Maintenance Plan has been prepared in accordance with the requirements of s. NR 724.13(2), WAC. The various cover materials will serve as a barrier to prevent direct human contact with residual soil contamination that might otherwise pose a threat to human health. Based on the current and future use of the Property, this barrier should function as intended unless disturbed. Future plans for the site may include capping of the property parking lot with asphalt, which should completely eliminate the potential for direct ingestion of underlying soil; but construction of the parking lot has not been verified by Kalima, LLC at this time. Kalima, LLC understands that WDNR may charge fees for a cap modification approval in the future.
- 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).
In general, the shallow groundwater contamination at the site is showing decreasing trends with geochemical data supporting that petroleum contamination in the shallow aquifer will continue to degrade at the site over time.
- J. Identify how all exposure pathways (soil, groundwater, vapor) were removed and/or adequately addressed by immediate, interim and/or remedial action(s).
Soil

The vast majority of petroleum-contaminated soil related to the former petroleum storage tank system at the site was excavated in December 2014. A total of 451.34 tons of soil from depths of up to 7 feet below grade were removed and properly discarded. The excavation has been backfilled and returned to pre-remedial site conditions as a parking lot.

Soil chemistry results indicate remaining soils at the site contain levels of PVOCs+N at levels above regulatory residual contaminant levels for non-industrial sites. The observed concentrations are present in soil within and beyond the limits of the December 2014 excavation.

The observed soil above RCLs does not pose a risk to human health or the environment due to the limited potential for direct contact exposure. The site has a grass vegetation cover, a gravel parking lot, a 1,500 square foot garage building, a separate home and some asphalt pavement, minimizing the potential for exposure to shallow soil via either ingestion or particulate inhalation. A Cap Maintenance Plan has been prepared in accordance with the requirements of s. NR 724.13(2), WAC. The various cover materials will serve as a barrier to prevent direct human contact with residual soil contamination that might otherwise pose a threat to human health. Based on the current and future use of the Property, this barrier should function as intended unless disturbed. Future plans for the site may include capping of the property parking lot with asphalt, which should completely eliminate the potential for direct ingestion of underlying soil; but construction of the parking lot has not been verified by Kalima, LLC at this time. Kalima, LLC understands that WDNR may charge fees for a cap modification approval in the future.

Groundwater

In general, shallow groundwater contamination exists at the site. However, removal of the source of the contamination (two USTs) in 1972 and removal of the majority of the petroleum-contaminated soil across the capillary fringe have resulted in improvements to the groundwater. Additionally, the geochemical parameters qualitatively support biodegradation of the petroleum contaminants is actively occurring in the site's groundwater.

Vapors

The subslab basement results from the site residence indicate several volatile organic compounds were identified in subslab vapors; however, all the VOC concentrations are lower than the relevant subslab vapor air standards.

- K. Identify any system hardware anticipated to be left in place after site closure, and explain the reasons why it will remain.
Not Applicable

- 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.
Not Applicable:
1) The source of the contamination (two former USTs) were removed in 1972.
2) The vast majority of petroleum-contaminated soil related to the former petroleum storage tank system at the site was excavated in December 2014.
3) The shallow groundwater contamination at the site is showing decreasing trends with geochemical data supporting that petroleum contamination in the shallow aquifer will continue to degrade at the site over time.
- M. If a DNR action level for vapor intrusion was exceeded (for indoor air, sub slab, or both) describe where it was exceeded and how the pathway was addressed.
Not Applicable
- N. Describe the surface water and/or sediment contaminant concentrations and areas after remediation. If a DNR action level was exceeded, describe where it was exceeded and how the pathway was addressed.
Not Applicable

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

Directions: For each of the 3 property types below, check all situations that apply to this closure request.
(NOTE: Monitoring wells to be transferred to another site are addressed in Attachment E.)

This situation applies to the following property or Right of Way (ROW):			Case Closure Situation - Continuing Obligation Inclusion on the GIS Registry is Required (ii. - xiv.)	Maintenance Plan Required	
Property Type:					
Source Property	Affected Property (Off-Source)	ROW			
i.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input 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 ESSs.	NA
iii.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cover/Barrier/Engineered Cover or Control for (soil) groundwater infiltration pathway	Yes
vii.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Structural Impediment: impedes completion of investigation or remedial action (not as a performance standard cover)	NA
viii.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Residual soil contamination meets NR 720 industrial soil RCLs, land use is classified as industrial	NA
ix.	<input type="checkbox"/>	<input type="checkbox"/>	NA	Vapor Mitigation System (VMS) required due to exceedances of vapor risk screening levels or other health based concern	Yes
x.	<input type="checkbox"/>	<input type="checkbox"/>	NA	Vapor: Dewatering System needed for VMS to work effectively	Yes
xi.	<input type="checkbox"/>	<input type="checkbox"/>	NA	Vapor: Compounds of Concern in use: full vapor assessment could not be completed	NA
xii.	<input type="checkbox"/>	<input type="checkbox"/>	NA	Vapor: Commercial/Industrial exposure assumptions used.	NA
xiii.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vapor: Residual volatile contamination poses future risk of vapor intrusion	NA
xiv.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Site-specific situation; (e. g., fencing, methane monitoring, other) <i>(discuss with project manager before submitting the closure request)</i>	Site specific

6. Underground Storage Tanks

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

General Instructions

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

Data Tables (Attachment A)

Directions for Data Tables:

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

A. Data Tables

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

Maps, Figures and Photos (Attachment B)

Directions for Maps, Figures and Photos:

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

B.1. Location Maps

- B.1.a. Location Map:** A map outlining all properties within the contaminated site boundaries on a United States Geological Survey (U.S.G.S.) topographic map or plat map in sufficient detail to permit easy location of all affected and/or adjacent parcels. If groundwater standards are exceeded, include the location of all potable wells, including municipal wells, within 1200 feet of the area of contamination.
- B.1.b. Detailed Site Map:** A map that shows all relevant features (buildings, roads, current ground surface cover, individual property boundaries for all affected properties, contaminant sources, utility lines, monitoring wells and potable wells) within the contaminated area. This map is to show the location of all contaminated public streets, and highway and railroad rights-of-way in relation to the source property and in relation to the boundaries of groundwater contamination attaining or exceeding a ch. NR 140 ES, and/or in relation to the boundaries of soil contamination attaining or exceeding a RCL. Provide parcel identification numbers for all affected properties.
- B.1.c. RR Sites Map:** From RR Sites Map ([http://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)

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

 Matt Dahlem
Printed Name

 Senior Hydrogeologist
Title

 Matt Dahlem
Signature

 12/9/15
Date

Attachment A: Data Tables

- A.1.i Groundwater Analytical Table - VOCs
- A.1.ii Groundwater Analytical Table - Lead
- A.2.i Soil Analytical Results Table - PVOCs
- A.2.ii Soil Analytical Results Table - Lead
- A.3.i Residual Soil Contamination Table - PVOCs
- A.3.ii Residual Soil Contamination Table - Lead
- A.4 Vapor Analytical Table - VOCs
- A.5 Other Media of Concern: Not Applicable - No other media was identified as being of concern during site activities
- A.6 Water Level Elevations
- A.7 Other: 1) Natural Attenuation Data and Semi-log plots of concentrations versus time and concentrations versus groundwater elevations from monitoring well MW-109; 2) Engineered Remedial Systems - No attachment because there are no engineered remedial systems required at the site; 3) Other Data Relevant to Case Closure - Not Applicable

Sample ID		NR 140.10 Preventive Action Limit	NR 140.10 Enforcement Standard	MW-5				MW-6				MW-9				MW-9S						
Date	12/19/12			3/7/13	11/22/13	4/24/14	3/11/15	8/17/15	12/19/12	3/7/13	11/22/13	4/24/14	3/11/15	8/17/15	12/19/12	3/7/13	11/22/13	4/24/14	3/11/15	8/17/15		
Groundwater Elevation				682.43	683.76	684.13	684.38	682.33	681.28	DRY	677.06	681.07	681.34	677.16	681.17	671.14	684.71	680.75	685.54	(1)	(1)	
Benzene	(ug/L)	<i>0.5</i>	5	<0.41	<0.047	Not Sampled	<0.50	<0.50	<0.50	Not Sampled	<0.047	Not Sampled	<0.50	<0.50	<0.50	<i>303</i>	<i>1,100</i>	<i>1,900</i>	<i>1,360</i>	Removed - Excavation December 2014	<i>480</i>	<i>168</i>
Ethylbenzene	(ug/L)	<i>140</i>	700	<0.54	<0.078		<0.50	<0.50	<0.50		<0.078		<0.50	<0.50	<0.50	<2.2	101	83.7	134		<i>910</i>	<i>560</i>
Toluene	(ug/L)	<i>160</i>	800	<0.67	<0.065		<0.50	<0.50	<0.50		<0.065		<0.50	<0.50	<0.50	58.7	<i>281</i>	34.2	117		<i>2,350</i>	<i>651</i>
Xylenes (TOTAL)	(ug/L)	<i>400</i>	2,000	<2.63	<0.27		<1.5	<1.5	<1.5		<0.27		<1.5	<1.5	<1.5	240.4	<i>831</i>	58.0J	298		<i>5,600</i>	<i>1,860</i>
m&p-Xylene	(ug/L)	NS	NS	<1.8	<0.15		NR	<1.0	NR		<0.15		NR	<1.0	NR	10.4	494	50.0	NR		3,810	1,490
o-Xylene	(ug/L)	NS	NS	<0.83	<0.12		NR	<0.50	NR		<0.12		NR	<0.50	NR	230	336	8.0J	NR		1,790	368
MTBE	(ug/L)	<i>12</i>	60	<0.61	<0.048		<0.17	<0.17	<0.17		<0.048		<0.17	<0.17	<0.17	<2.4	<0.048	<4.9	<1.7		<4.4	<1.7
1,2,4-Trimethylbenzene	(ug/L)	NS	NS	<0.97	<0.050		<0.50	<0.50	<0.50		<0.050		<0.50	<0.50	<0.50	<3.9	82.4	14.1	49.5		891	537
1,3,5-Trimethylbenzene	(ug/L)	NS	NS	<0.83	<0.086		<0.50	<0.50	<0.50		<0.086		<0.50	<0.50	<0.50	16.1	51.3	6.6J	12.6		233	142
Trimethylbenzene Total (1,2,4- & 1,3,5-)	(ug/L)	<i>96</i>	480	<1.8	<0.136		<1.0	<1.0	<1.0		<0.136		<1.0	<1.0	<1.0	16.1	<i>133.7</i>	20.7	62.1		<i>1,124</i>	<i>679</i>
Methylene Chloride	(ug/L)	<i>0.5</i>	5	<0.43	<2.0	NA	NA	NA	<2.0	NA	NA	NA	<1.7	<2.0	<3.6	NA	NA	NA				
1,2-Dichloroethane	(ug/L)	<i>0.5</i>	5	<0.36	<0.053	<0.17	<0.17	<0.17	<i>0.35J</i>	<i>1.2</i>	<i>1.0</i>	<i>0.64 J</i>	<i>331</i>	<i>191</i>	<i>342</i>	<i>159</i>	<i>25.6</i>	<i>7.1 J</i>				

Notes:

- NS = No standard established
- NA = Not analyzed for parameter
- NR = Not Reported
- ITALICS* indicates exceedance of NR 140.10 Preventive Action Limit
- BOLD** indicates exceedance of NR 140.10 Enforcement Standard
- (1) = Well not Surveyed

A.1.I
 Groundwater Analytical Table - PVOC
 Richard A. DeZoute Property
 729 Sauk Trail Road, Oostburg, WI 53070
 BRRTS# 03-60-557729

Sample ID		NR 140.10 Preventive Action Limit	NR 140.10 Enforcement Standard	MW-11						TW-14					Well		MW-15			MW-16				
Date	12/19/12			3/8/13	11/22/13	4/24/14	3/11/15	8/17/15	12/19/12	3/7/13	11/22/13	4/24/14	3/11/15	8/17/15	12/18/12	3/7/13	4/24/14	3/11/15	8/17/15	4/24/14	3/11/15	8/17/15		
Groundwater Elevation	685.77			685.48	685.79	686.00	683.72	684.66	684.49	684.27	683.19	683.50	682.75	682.73	NA	NA	674.16	673.34	679.17	669.10	673.34	680.71		
Benzene	(ug/L)	0.5	5	<4.1	<0.047	<i>1.7</i>	<i>0.65J</i>	<i>0.55J</i>	<0.50	<i>29.0</i>	<i>29.7</i>	<i>54.5</i>	Not Sampled	<i>22.8</i>	<i>21.2</i>	<0.047	<0.047	<i>8.2</i>	<i>1.6</i>	<i>4.0</i>	<0.50	<0.50	<0.50	
Ethylbenzene	(ug/L)	140	700	<i>463</i>	108	87.1	61.8	48.1	222	120	181	147		<i>293</i>	<i>311</i>	<0.0078	<0.078	2.6	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Toluene	(ug/L)	160	800	<6.7	0.82	<0.44	<0.50	0.66J	0.97 J	9.0	29.3	13.5		14.6	17.8	<0.065	<0.065	72.2	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Xylenes (TOTAL)	(ug/L)	400	2,000	<i>1,175</i>	249	6.1	42.8	80.7	333	<i>593.7</i>	<i>1,440</i>	<i>549.8</i>		<i>644.8</i>	<i>861.3</i>	<0.27	<0.27	62.1	<1.5	<1.5	<1.50	<1.5	<1.5	<1.5
m&p-Xylene	(ug/L)	NS	NS	1,010	203	3.3	NR	60.8	289	571	1,400	524		608	813	<0.15	<0.15	28.0	<1.0	NR	<1.0	<1.0	NR	NR
o-Xylene	(ug/L)	NS	NS	165	45.3	2.8	NR	19.9	44.0	22.7	36.2	25.8		36.8	48.3	<0.12	<0.12	34.1	<0.50	NR	<0.50	<0.50	NR	NR
MTBE	(ug/L)	12	60	<6.1	<0.048	<0.49	<0.17	<0.17	<0.17	<1.5	<0.048	<0.49		<0.70	<0.70	<0.048	<0.048	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
1,2,4-Trimethylbenzene	(ug/L)	NS	NS	<9.9	169	2.1	40.1	68.7	254	244	351	144		278	376	<0.050	<0.050	1.3	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,3,5-Trimethylbenzene	(ug/L)	NS	NS	481	67.7	0.65J	3.0	12.1	60.6	76.0	102	42.3		28.9	39.4	<0.086	<0.080	0.83J	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Trimethylbenzene Total (1,2,4- & 1,3,5-)	(ug/L)	96	480	<i>481</i>	<i>236.7</i>	2.75	43.1	80.8	<i>314.6</i>	<i>320</i>	<i>453</i>	<i>186.3</i>		<i>306.9</i>	<i>415.4</i>	<0.136	<0.136	2.13	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methylene Chloride	(ug/L)	0.5	5	<4.3	<2.0	<0.36	NA	NA	NA	<1.1	<2.0	<0.36		NA	NA	<2.0	<2.0	<0.23	NA	NA	<0.23	NA	NA	NA
1,2-Dichloroethane	(ug/L)	0.5	5	<3.6	<0.053	<i>12.6</i>	<i>5.4</i>	<i>4.7</i>	<i>1.1</i>	<i>17.6</i>	<i>10.1</i>	<i>15.0</i>		<i>6.8</i>	<i>3.6J</i>	<0.053	<0.053	1.2	<i>0.65J</i>	<0.17	<0.17	<0.17	<0.17	<0.17

Notes:

- NS = No standard established
- NA = Not analyzed for parameter
- NR = Not Reported
- ITALICS* indicates exceedance of NR 140.10 Preventive Action Limit
- BOLD** indicates exceedance of NR 140.10 Enforcement Standard
- (1) = Well not Surveyed

A.1.1

Groundwater Analytical Table - PVOC

Richard A. DeZoute Property
 729 Sauk Trail Road, Oostburg, WI 53070
 BRRTS# 03-60-557729

Sample ID		NR 140.10 Preventive Action Limit	NR 140.10 Enforcement Standard	TW-17		TW-18		Trip Blank				
Date				3/11/15	8/17/15	3/11/15	8/17/15	12/19/12	3/7/13	11/22/13	4/24/14	3/11/15
Groundwater Elevation				(1)	(1)	(1)	(1)	NA	NA	NA	NA	NA
Benzene	(ug/L)	<i>0.5</i>	5	<0.50	<0.50	<0.50	<0.50	<0.41	<0.047	<0.50	<0.50	<0.50
Ethylbenzene	(ug/L)	<i>140</i>	700	<0.50	<0.50	<0.50	<0.50	<0.54	<0.078	<0.50	<0.50	<0.50
Toluene	(ug/L)	<i>160</i>	800	<0.50	<0.50	<0.50	<0.50	<0.67	<0.065	<0.44	<0.50	<0.50
Xylenes (TOTAL)	(ug/L)	<i>400</i>	2,000	<1.5	<1.5	<1.5	<1.5	<2.63	<0.27	<1.32	<1.50	<1.5
m&p-Xylene	(ug/L)	NS	NS	<1.0	NR	<1.0	NR	<1.8	<0.15	<0.82	<1.0	<1.0
o-Xylene	(ug/L)	NS	NS	<0.50	NR	<0.50	NR	<0.83	<0.12	<0.50	<0.50	<0.50
MTBE	(ug/L)	<i>12</i>	60	<0.17	<0.17	<0.17	<0.17	<0.61	<0.048	<0.49	<0.17	<0.17
1,2,4-Trimethylbenzene	(ug/L)	NS	NS	<0.50	<0.50	<0.50	<0.50	<0.97	<0.050	<0.50	<0.50	<0.50
1,3,5-Trimethylbenzene	(ug/L)	NS	NS	<0.50	<0.50	<0.50	<0.50	<0.83	<0.080	<0.50	<0.50	<0.50
Trimethylbenzene Total (1,2,4- & 1,3,5-)	(ug/L)	<i>96</i>	480	<1.0	<1.0	<1.0	<1.0	<1.8	<0.136	<1.0	<1.0	<1.0
Methylene Chloride	(ug/L)	<i>0.5</i>	5	NA	NA	NA	NA	0.47J	<2.0	<0.36	0.43J	NA
1,2-Dichloroethane	(ug/L)	<i>0.5</i>	5	<0.17	<0.17	<0.17	<0.17	<0.36	<0.053	<0.48	<0.17	<0.17

Notes:

NS = No standard established

NA = Not analyzed for parameter

NR = Not Reported

ITALICS indicates exceedance of NR 140.10 Preventive Action Limit

BOLD indicates exceedance of NR 140.10 Enforcement Standard

(1) = Well not Surveyed

TABLE A.1.ii
 Groundwater Analytical Table - Lead
 Richard A. DeZoute Property
 729 Sauk Trail Road, Oostburg, WI
 BRRTS# 03-60-557729

Sample ID		NR 140.10 Preventive Action Limit	NR 140.10 Enforcement Standard	MW-5		MW-6		MW-9		MW-11		MW-15	MW-16	TW-14		Well	
Date	12/19/12			3/7/13	12/19/12	3/7/13	12/19/12	3/7/13	12/19/12	3/7/13	4/24/14	4/24/14	12/19/12	3/7/13	12/19/12	3/7/13	
Groundwater Elevation	682.43			683.76	NA	677.06	671.14	684.71	685.77	685.48	674.16	669.10	684.49	684.27	NA	NA	
Lead	(ug/L)	7.5	15	<1.7	<1.2	NA	<1.2	<i>2.4J</i>	<i>3.2J</i>	<i>2.4J</i>	<1.2	<3.0	<3.0	<1.7	<i>6.7J</i>	<1.7	<1.2

Notes:
 NS = No standard established
 NA = Not analyzed for parameter
ITALICS indicates exceedance of NR 140.10 Preventive Action Limit
BOLD indicates exceedance of NR 140.10 Enforcement Standard
 * Standards according to NR 140.12

TABLE A.2.i
 SOIL ANALYTICAL TABLE - PVOCs
 Richard A DeZoute Property
 729 S. Sauk Trail Rd., Oostburg, WI 53070
 BRRTS# 03-60-557729
 PECFA# 53070-1580-29

Sample ID	Date	Depth	Description	DEPTH to Seasonal Low Water Table (ft BGS)	Saturated (S) or Unsaturated (U)	PID Reading	Notes	Site Investigation																											
								S102*				S202*		S302*		S404*		MW-5		MW-6		MW7		B-8		B-9/MW-9			MW-10		MW-11		B-12		
								6/30/11	6/30/11	6/30/11	6/30/11	12/5/12	12/5/12	12/5/12	12/5/12	12/5/12	12/5/12	12/5/12	12/5/12	12/5/12	12/5/12	12/5/12	12/5/12	12/5/12	12/5/12	12/5/12	12/5/12	12/5/12	12/5/12	12/5/12	12/5/12	12/5/12	12/5/12		
								2-4'	2-4'	2-4'	6-8'	7.5-10'	17.5-20'	5-7.5'	18-20'	5-7.5'	12.5-15'	7.5-10'	10-15'	3.75-5'	3.75-5'	17.5-20'	7.5-10'	12.5-15'	5-7.5'	17-20'	6-7.5'	6-7.5'	12.5-15'						
								Silty Clay	Silty Clay	Silty Clay	Silty Clay	Clay	Clay	Clay	Clay	Clay	Clay	Clay	Clay	Clay	Clay	Clay	Clay	Clay	Clay	Clay	Clay	Clay	Clay						
								6'	10'	15'	13'	8'	8'	13'	13'	15'	15'	15'	15'	7'	7'	7'	7'	7'	5'	5'	5'	5'	5'						
								U	U	U	U	S	S	U	S	U	U	U	U	U	U	S	S	S	S	S	S	S	S						
								3,160	3,643	2,400	61.9	12.3	11.7	7.7	47.1	182.3	25.5	21.9	3.7	>2,000	>2,000	3.2	13.9	0.0	808	0.0	338	338	1.4						
								<i>RMVD</i>	<i>RMVD</i>	<i>RMVD</i>										<i>RMVD</i>	<i>+ / RMVD</i>														
Benzene	(ug/kg)	5.12	1,490	7,000	7,200	5,500	74	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	1,530	<25.0	<25.0	8,720	6,780J	971	<25.0	<25.0	<500	<25.0	<200	<100	<25.0									
Ethylbenzene	(ug/kg)	1,570	7,470	27,100	42,000	31,500	430	<25.0	<25.0	87.4	<25.0	723	45.8J	53.6J	<25.0	127,000	115,000	<25.0	194	<25.0	11,800	<25.0	5,760	<100	<25.0										
Toluene	(ug/kg)	1,110	818,000	10,000	30,200	11,300	203	<25.0	<25.0	<25.0	<25.0	<25.0	1,370	<25.0	<25.0	184,000	184,000	<25.0	<25.0	<25.0	<500	<25.0	<200	<100	<25.0										
Xylenes (TOTAL)	(ug/kg)	3,940	258,000	94,900	187,000	118,300	840	<75.0	<75.0	179.1	<75.0	1,966	182.1	167.8	<75.0	1,044,000	1,121,000	<75.0	376	<75.0	41,500	<75.0	9,920	<300	<75.0										
m&p-Xylene	(ug/kg)	NS	778,000	81,000	134,000	92,000	470	<50.0	<50.0	123J	<50.0	1,500	112J	85.9J	<50.0	712,000	779,000	<50.0	242	<50.0	35,400	<50.0	4,340	<200	<50.0										
o-Xylene	(ug/kg)	NS	434,000	13,900	53,000	26,300	370	<25.0	<25.0	56.1J	<25.0	466	70.1	81.9	<25.0	332,000	342,000	<25.0	134	<25.0	6,100	<25.0	5,580	<100	<25.0										
Naphthalene	(ug/kg)	659	5,150	--	--	--	--	--	--	--	--	--	--	--	--	--	35,200	--	--	--	--	--	--	--	<100	--									
MTBE	(ug/kg)	27	59,400	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	74.7	<25.0	<25.0	<25.0	<2,000	<5,000	<25.0	<25.0	<25.0	<500	<25.0	<200	<100	<25.0										
1,2,4-Trimethylbenzene	(ug/kg)	1,380	89,800	53,000	85,000	79,000	262	<25.0	<25.0	<25.0	<25.0	498	<25.0	38.7J	35.5J	605,000	644,000	<25.0	207	<25.0	49,600	<25.0	1,800	<100	<25.0										
1,3,5-Trimethylbenzene	(ug/kg)	1,380	182,000	21,000	30,800	27,400	173	<25.0	<25.0	<25.0	<25.0	955	<25.0	<25.0	<25.0	247,000	240,000	<25.0	<25.0	<25.0	23,500	<25.0	4,440	<100	<25.0										
Trimethylbenzene Total (1,2,4- & 1,3,5-)	(ug/kg)	1382.1	NS	74,000	115,800	106,400	435	<50.0	<50.0	<50.0	<50.0	1,453	<25.0	38.7	35.5	852,000	884,000	<50.0	207	<50.0	73,100	<50.0	6,240	<200	<50.0										
GRO	(mg/kg)	NS	NS	2,280	3,130	2,670	31	<2.9	<2.9	25.0	<2.9	217	5.1	17.6	<2.9	8,860	NA	<2.9	36.3	<2.9	1,910	<2.9	910	NA	<3.0										
No. of Individual Exceedances (DC)								2	2	2	0	0	0	0	0	1	0	0	6	6	0	0	0	1	0	0	0	0							
Cumulative Hazard Index (DC)								0.7951	1.2766	1.1068	0.0049	0.	0.	0.0002	0.	0.0092	0.0143	0.0006	0.0004	8.8196	8.8196	0.0087	0.0028	0.	0.6318	0.	0.0382	0.	0.						
Cumulative Cancer Risk (DC)								8.3E-06	1.0E-05	7.9E-06	1.1E-07	0.0E+00	0.0E+00	1.2E-08	0.0E+00	9.8E-08	1.0E-06	7.2E-09	0.0E+00	2.8E-05	2.8E-05	6.5E-07	2.6E-08	0.0E+00	1.6E-06	0.0E+00	7.7E-07	0.0E+00	0.0E+00						

Exceedance Highlights:

BOLD Red font indicates DC RCL exceedance per DNR RCL calculator 7/14/14, and BTV exceedance for metals. ***B1***: Cumulative exceedance (HI > 1), eventhough no individual DC RCL was exceeded.

Italic font indicates GW RCL Exceedance per DNR RCL calculator 7/14/14. Groundwater quality (> NR 140 ES) may be affected when GW RCLs are exceeded.

Notes:

Xylenes reported as total of m-, o-, p-xylenes
 NS = No standard established
 NA = Not analyzed for parameter
 NR = Not Reported

* Samples collected by Bonestroo Inc.

+ = Sample analyzed by method EPA 8260

1: No Detects are reported on a wet weight basis

RMVD = Sampled removed during Dec. 2014 Excavation

TABLE A.2.ii
 SOIL ANALYTICAL TABLE - LEAD
 Richard A DeZoute Property
 729 S. Sauk Trail Rd., Oostburg, WI 53070
 BRRTS# 03-60-557729
 PECFA# 53070-1580-29

Sample ID	Groundwater Pathway RCL	Non-Industrial Direct Contact RCL	Background Threshold Value	USGS Background*	MW-5	MW-6	MW-7	MW-8	B-9/MW-9	MW-10	MW-11	B-12	B-13	B-14/TW-14	MW-15	MW-16	B-17														
Date					12/5/12	12/5/12	12/5/12	12/5/12	12/5/12	12/5/12	12/5/12	12/5/12	12/5/12	12/5/12	12/6/12	12/6/12	4/7/14	4/7/14	4/7/14												
Depth					7.5-10'	17.5-20'	5-7.5'	18-20'	5-7.5'	12.5-15'	7.5-10'	10-15'	3.75-5'	17.5-20'	7.5-10'	12.5-15'	5-7.5'	17-20'	6-7.5'	12.5-15'	8.5-10'	14-17'	5-7.5'	12.5-15'	0-4'	5-7.5'	0-4'	5-7'	0.25-4'	5-7.5'	
Description					Clay	Clay	Clay	Clay	Clay	Clay	Clay	Clay	Clay	Clay	Clay	Clay	Clay	Clay	Clay	Clay	Clay	Clay	Clay	Clay	Clay	Clay	Clay	Clay	Clay	Clay	Clay
DEPTH to Seasonal Low Water Table (ft BGS)					3.16'	3.16'	10.61'	10.61'	NA	NA	NA	NA	7.36	7.36	NA	NA	NA	NA	NA	NA	NA	NA	5.72'	5.72'	--	--	--	--	--	--	
Saturated (S) or Unsaturated (U)					S	S	U	S	NA	NA	NA	NA	U	S	NA	NA	NA	NA	NA	NA	S	S	U	S	S	S	S	S	S	S	
PID Reading					12.3	11.7	7.7	47.1	182.3	25.5	21.9	3.7	>2,000	3.2	13.9	0.0	808	0.0	338	1.4	0.0	12.6	749	32.7	0.0	16	0.0	0.0	0.0	3.1	119.9
NOTES													<i>RMVD</i>																		
Lead (mg/kg)	27	400	52*	< 10-300	4.8	4.7	4.8	4.7	5.0	4.9	4.6	4.5	268*	4.6	5.0	4.7	10.2	4.9	12.5	4.9	4.7	5.0	8.8	5.0	5.4	5.3	6.3	5.2	5.9	5.4	
No. of Individual Exceedances (DC)					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cumulative Hazard Index (DC)					0.	0.	0.	0.	0.	0.	0.	0.	0.67	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
Cumulative Cancer Risk (DC)					0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

Exceedance Highlights:
BOLD Red font indicates DC RCL exceedance per DNR RCL calculator 7/14/14, and BTV exceedance for metals. ***B1***: Cumulative exceedance (HI > 1), even though no individual DC RCL was exceeded.

Italic font indicates GW RCL Exceedance per DNR RCL calculator 7/14/14. Groundwater quality (> NR 140 ES) may be affected when GW RCLs are exceeded.

Notes:
 * = Exceeds Background Threshold Value
 NS = No standard established
 NA = Not analyzed for parameter
 NR = Not Reported
 ++ NS/0.293 mg/kg is TOTAL CrIII & CrIV / Hexavalent Cr.
RMVD = Sample removed during Dec. 2012 Excavation
 "J" qualifier indicates the result is in between the Limit of Detection and the Limit of Quantification

The surficial soil background threshold values (BTVs) are included in a separate column in the spreadsheet for use in comparing the metal concentrations in site soils. The BTVs are the non-outlier maximum metal concentrations from 664 surficial (to 0.5 ft depth) soil background samples collected statewide in 2006 and 2007. Background threshold values are non-outlier trace element maximum levels in Wisconsin surface soils from the United States Geological Survey (USGS) Report at: <http://pubs.usgs.gov/sir/2011/5202>.
 -USGS background concentrations for the eastern United States from USGS Professional Paper 1270

Sample ID		Site Investigation																		
		S404*	MW-5			MW-6		MW-7		MW-8		B-9/MW-9	MW-10		MW-11		B-12			
Date	Depth	6/30/11	12/5/12			12/5/12		12/5/12		12/5/12		17.5-20'	12/5/12		12/5/12		12/5/12			
Description	Groundwater Pathway RCL	6-8'	7.5-10'	17.5-20'	5-7.5'	18-20'	5-7.5'	12.5-15'	7.5-10'	10-15'	17.5-20'	7.5-10'	12.5-15'	5-7.5'	17-20'	6-7.5'	6-7.5'	12.5-15'		
DEPTH to Seasonal Low Water Table (ft BGS)	Non-Industrial Direct-Contact RCL	Silty Clay	Clay	Clay	Clay	Clay	Clay	Clay	Clay	Clay	Clay	Clay	Clay	Clay	Clay	Clay	Clay	Clay		
Saturated (S) or Unsaturated (U)	PID Reading	13'	8'	8'	13'	13'	15'	15'	15'	15'	7'	7'	7'	5'	5'	5'	5'	5'		
Notes		U	S	S	U	S	U	U	U	U	S	S	S	S	S	S	S	S		
		61.9	12.3	11.7	7.7	47.1	182.3	25.5	21.9	3.7	3.2	13.9	0.0	808	0.0	338	338	1.4		
																		+		
Benzene	(ug/kg)	5.12	1,490	74	<25.0	<25.0	<25.0	<25.0	<25.0	1,530	<25.0	<25.0	971	<25.0	<25.0	<500	<25.0	<200	<100	<25.0
Ethylbenzene	(ug/kg)	1,570	7,470	430	<25.0	<25.0	87.4	<25.0	723	45.8J	53.6J	<25.0	<25.0	194	<25.0	11,800	<25.0	5,760	<100	<25.0
Toluene	(ug/kg)	1,110	818,000	203	<25.0	<25.0	<25.0	<25.0	<25.0	1,370	<25.0	<25.0	<25.0	<25.0	<25.0	<500	<25.0	<200	<100	<25.0
Xylenes (TOTAL)	(ug/kg)	3,940	258,000	840	<75.0	<75.0	179.1	<75.0	1,966	182.1	167.8	<75.0	<75.0	376	<75.0	41,500	<75.0	9,920	<300	<75.0
m&p-Xylene	(ug/kg)	NS	778,000	470	<50.0	<50.0	123J	<50.0	1,500	112J	85.9J	<50.0	<50.0	242	<50.0	35,400	<50.0	4,340	<200	<50.0
o-Xylene	(ug/kg)	NS	434,000	370	<25.0	<25.0	56.1J	<25.0	466	70.1	81.9	<25.0	<25.0	134	<25.0	6,100	<25.0	5,580	<100	<25.0
Naphthalene	(ug/kg)	659	5,150	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<100	--
MTBE	(ug/kg)	27	59,400	<25.0	<25.0	<25.0	<25.0	<25.0	74.7	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<500	<25.0	<200	<100	<25.0
1,2,4-Trimethylbenzene	(ug/kg)	1,380	89,800	262	<25.0	<25.0	<25.0	<25.0	498	<25.0	38.7J	35.5J	<25.0	207	<25.0	49,600	<25.0	1,800	<100	<25.0
1,3,5-Trimethylbenzene	(ug/kg)	1,380	182,000	173	<25.0	<25.0	<25.0	<25.0	955	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	23,500	<25.0	4,440	<100	<25.0
Trimethylbenzene Total (1,2,4- & 1,3,5-)	(ug/kg)	1382.1	NS	435	<50.0	<50.0	<50.0	<50.0	1,453	<25.0	38.7	35.5	<50.0	207	<50.0	73,100	<50.0	6,240	<200	<50.0
No. of Individual Exceedances (DC)		0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0
Cumulative Hazard Index (DC)		0.0049	0.	0.	0.0002	0.	0.0092	0.0143	0.0006	0.0004	0.0087	0.0028	0.	0.6318	0.	0.0382	0.	0.	0.	
Cumulative Cancer Risk (DC)		1.1E-07	0.0E+00	0.0E+00	1.2E-08	0.0E+00	9.8E-08	1.0E-06	7.2E-09	0.0E+00	6.5E-07	2.6E-08	0.0E+00	1.6E-06	0.0E+00	7.7E-07	0.0E+00	0.0E+00	0.0E+00	

Exceedance Highlights:

BOLD Red font indicates DC RCL exceedance per DNR RCL calculator 7/14/14, and BTV exceedance for metals. ***B1***: Cumulative exceedance (HI > 1), eventhough no individual DC RCL was exceeded.

Italic font indicates GW RCL Exceedance per DNR RCL calculator 7/14/14. Groundwater quality (> NR 140 ES) may be affected when GW RCLs are exceeded.

Notes:

Xylenes reported as total of m-, o-, p-xylenes

NS = No standard established

NA = Not analyzed for parameter

NR = Not Reported

* Samples collected by Bonestroo Inc.

+ = Sample analyzed by method EPA 8260

1: No Detects are reported on a wet weight basis

TABLE A.3.ii
 RESIDUAL SOIL CONTAMINATION - LEAD
 Richard A DeZoute Property
 729 S. Sauk Trail Rd., Oostburg, WI 53070
 BRRTS# 03-60-557729
 PECFA# 53070-1580-29

Sample ID	Groundwater Pathway RCL	Non-Industrial Direct Contact RCL	Background Threshold Value	USGS Background*	MW-5	MW-6	MW-7	MW-8	B-9/MW-9	MW-10	MW-11	B-12	B-13	B-14/TW-14	MW-15	MW-16	B-17													
Date					12/5/12	12/5/12	12/5/12	12/5/12	12/5/12	12/5/12	12/5/12	12/5/12	12/5/12	12/5/12	12/5/12	12/6/12	12/6/12	4/7/14	4/7/14	4/7/14										
Depth					7.5-10'	17.5-20'	5-7.5'	18-20'	5-7.5'	12.5-15'	7.5-10'	10-15'	17.5-20'	7.5-10'	12.5-15'	5-7.5'	17-20'	6-7.5'	12.5-15'	8.5-10'	14-17'	5-7.5'	12.5-15'	0-4'	5-7.5'	0-4'	5-7'	0.25-4'	5-7.5'	
Description					Clay	Clay	Clay	Clay	Clay	Clay	Clay	Clay	Clay	Clay	Clay	Clay	Clay	Clay	Clay	Clay	Clay	Clay	Clay	Clay	Clay	Clay	Clay	Clay	Clay	Clay
DEPTH to Seasonal Low Water Table (ft BGS)					3.16'	3.16'	10.61'	10.61'	NA	NA	NA	NA	7.36	NA	NA	3.73	3.16'	NA	NA	NA	NA	NA	NA	5.72'	5.72'	--	--	--	--	--
Saturated (S) or Unsaturated (U)					S	S	U	S	NA	NA	NA	NA	S	NA	NA	S	S	NA	NA	NA	NA	NA	S	S	U	S	S	S	S	S
PID Reading	12.3	11.7	7.7	47.1	182.3	25.5	21.9	3.7	3.2	13.9	0.0	808	0.0	338	1.4	0.0	12.6	749	32.7	0.0	16	0.0	0.0	0.0	3.1	119.9				
NOTES																														
Lead (mg/kg)	27	400	52*	< 10-300	4.8	4.7	4.8	4.7	5.0	4.9	4.6	4.5	4.6	5.0	4.7	10.2	4.9	12.5	4.9	4.7	5.0	8.8	5.0	5.4	5.3	6.3	5.2	5.9	5.4	
No. of Individual Exceedances (DC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Cumulative Hazard Index (DC)	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
Cumulative Cancer Risk (DC)	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	

Exceedance Highlights:
BOLD Red font indicates DC RCL exceedance per DNR RCL calculator 7/14/14, and BTV exceedance for metals. ***B1***: Cumulative exceedance (HI > 1), even though no individual DC RCL was exceeded.

Italic font indicates GW RCL Exceedance per DNR RCL calculator 7/14/14. Groundwater quality (> NR 140 ES) may be affected when GW RCLs are exceeded.

Notes:
 * = Exceeds Background Threshold Value
 NS = No standard established
 NA = Not analyzed for parameter
 NR = Not Reported
 ++ NS/0.293 mg/kg is TOTAL CrIII & CrIV / Hexavalent Cr.
RMVD = Sample removed during Dec. 2012 Excavation

"J" qualifier indicates the result is in between the Limit of Detection and the Limit of Quantification

The surficial soil background threshold values (BTVs) are included in a separate column in the spreadsheet for use in comparing the metal concentrations in site soils. The BTVs are the non-outlier maximum metal concentrations from 664 surficial (to 0.5 ft depth) soil background samples collected statewide in 2006 and 2007. Background threshold values are non-outlier trace element maximum levels in Wisconsin surface soils from the United States Geological Survey (USGS) Report at: <http://pubs.usgs.gov/sir/2011/5202>.
 -USGS background concentrations for the eastern United States from USGS Professional Paper 1270

TABLE A.4
Vapor Analytical Table - VOC
Richard A. DeZoute Property
729 Sauk Trail Road, Oostburg, WI 53070
BRRTS# 03-60-557729

Sample ID		C-Carcinogen N-Non Carcinogen	WDNR / WDHFS Residential Subslab	WDNR / WDHFS Residential Indoor Air	VP-1
Sample Date					11/22/2013
Sample Location					Basement
Type of Sample					Grab
Collection Method					sub-slab
Time Period of Collection					30 min
Analytical Method					TO15
Method/Result Leak Detection					Water Dam/shut in
PCE	µg/m ³				N
TCE	µg/m ³	C	21	2.1	<0.69
cis-1,2 Dichloroethene	µg/m ³		NS	NS	<1.0
trans-1,2 Dichloroethene	µg/m ³	N	630	63	<1.0
Vinyl Chloride	µg/m ³	C	16	1.6	<0.33
Benzene	µg/m ³	C	31	3.1	<0.41
Carbon Tetrachloride	µg/m ³	C	41	4.1	<0.81
Ethyl Benzene	µg/m ³	C	97	9.7	5.2
Toluene	µg/m ³	N	52,000	5,200	5.3
Xylenes	µg/m ³	N	1,000	100	45.3
1,2,4-Trimethylbenzene	µg/m ³	N	73	7.3	8.7
1,3,5-Trimethylbenzene	µg/m ³	N	NS	NS	<1.3
Trichlorofluoromethane		N	7,300	730	<1.4
1,1,1-Trichloroethane	µg/m ³	N	52,000	5,200	<1.4
Methyl-tert-butyl-ether (MTBE)	µg/m ³	C	940	94	<0.92
Chloroform	µg/m ³	C	11	1.1	<1.2
1,1-Dichloroethane	µg/m ³	C	150	15	<1.0
1,2-Dichloroethane	µg/m ³	C	9.4	0.94	<0.52
1,1-Dichloroethylene	µg/m ³	N	2,100	210	<1.0
Naphthalene	µg/m ³	C	7.2	0.72	3.9
Acetone	µg/m ³	N	320,000	32,000	4.5
1,1,2-Trichlorotrifluoroethane	µg/m ³	N	NS	NS	<0.69
Methyl Ethyl Ketone	µg/m ³	N	52,000	5,200	5.9
Methyl Isobutyl Ketone	µg/m ³	N	31,000	3,100	<1.0
Ethanol	µg/m ³		NS	NS	54.0
Isopropyl Alcohol	µg/m ³		NS	NS	NA
1-Ethyl-4-Methyl Benzene	µg/m ³		NS	NS	NA
Dichlorodifluoromethane	µg/m ³	N	1,000	100	7.8
Vinyl Acetate	µg/m ³	N	2,100	210	<0.90
Hexane	µg/m ³	N	7,300	730	<0.91
Chlorobenzene	µg/m ³	N	520	52	<1.2
Ethyl Acetate	µg/m ³	N	730	73	<0.92
Styrene	µg/m ³	N	10,000	1,000	1.4
Acrolein	µg/m ³	N	0.21	0.021	NA
Methylene Chloride	µg/m ³	c	6,300	630	2.8
Carbon Disulfide	µg/m ³	N	7,300	730	<0.79
1,2-Dichloropropane	µg/m ³	C	24	2.4	<1.2
1,3-Dichlorobenzene	µg/m ³		NS	NS	<1.5
1,4-Dichlorobenzene	µg/m ³	C	22	2.2	<1.5
1,2-Dichlorobenzene	µg/m ³	N	2,100	210	<1.5
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/m ³	N	310,000	31,000	<2.0
Chloromethane (Methyl Chloride)	µg/m ³	N	940	94	<0.53
Propene	µg/m ³		NS	NS	<0.44
Heptane	µg/m ³		NS	NS	1.6
1,2-Dichlorotetrafluoroethane	µg/m ³		NS	NS	<1.8
Halo Carbon 11	µg/m ³		NS	NS	NA
Tetrahydrofuran	µg/m ³	N	21,000	2,100	18.8
Cyclo hexane	µg/m ³	N	10,000	1,000	1.8

Notes:

* = 40 degrees F used in conversion factor based on estimated sample temperature (November)

* =68 degrees F (20 C) used in conversion factor based on estimated sample temperature (July)

N = Noncarcinogen; C = Carcinogen

ITALICS : Exceeds Subslab Vapor Standard

BOLD Exceeds Non-Residential Indoor Air Standard

TABLE A.6

Water Level Elevations
 Kalina, LLC (Former Richard DeZoute Property)
 729 Sauk Trail Road, Oostburg, WI
 BRRTS# 03-60-557729

Well Identification	MW-5	MW-6	MW-9	MW-11
Top of Casing Elevation (ft MSL)	689.07	690.11	687.69	688.78
Ground Surface Elevation (ft. MSL)	686.92	687.67	688.11	689.21
Stickup	2.15	2.44	-0.42	-0.43
Total Depth (ft below PVC)	22.57	22.69	21.58	19.58

Well Identification	TW-14	MW-15	MW-16
Top of Casing Elevation (ft MSL)	688.72	688.01	690.65
Ground Surface Elevation (ft. MSL)	688.91	688.26	688.21
Stickup	-0.19	-0.25	2.44
Total Depth (ft below PVC)	18.46	19.64	22.25

Sample Date	MW-5			MW-6			MW-9		
	Depth to Water (ft below PVC Lip)	Depth to Water (below grade)	Groundwater Elev. (ft msl)	Depth to Water (ft below PVC Lip)	Depth to Water (below grade)	Groundwater Elev. (ft msl)	Depth to Water (ft below PVC Lip)	Depth to Water (below grade)	Groundwater Elev. (ft msl.)
12/19/2012	6.64	4.49	682.43		DRY		16.55	16.97	671.14
3/7/2013	5.31	3.16	683.76	13.05	10.61	677.06	2.98	3.40	684.71
11/22/2013	4.94	2.79	684.13	9.04	6.60	681.07	6.94	7.36	680.75
4/24/2014	4.69	2.54	684.38	8.77	6.33	681.34	2.15	2.57	685.54
3/11/2015	6.74	4.59	682.33	12.95	10.51	677.16	Removed 12/2/14 - Remedial Excavation		
8/17/2015	7.79	5.64	681.28	8.94	6.50	681.17			

Sample Date	MW-11			TW-14			MW-15		
	Depth to Water (ft below PVC Lip)	Depth to Water (below grade)	Groundwater Elev. (ft msl)	Depth to Water (ft below PVC Lip)	Depth to Water (below grade)	Groundwater Elev. (ft msl)	Depth to Water (ft below PVC Lip)	Depth to Water (below grade)	Groundwater Elev. (ft msl.)
12/19/2012	3.01	3.44	685.77	4.23	4.42	684.49	Installed 4/7/14		
3/7/2013	3.30	3.73	685.48	4.45	4.64	684.27	Installed 4/7/14		
11/22/2013	3.00	3.43	685.78	5.53	5.72	683.19	Installed 4/7/14		
4/24/2014	2.78	3.21	686.00	5.22	5.41	683.50	13.85	14.10	674.16
3/11/2015	5.06	5.49	683.72	5.97	6.16	682.75	14.67	14.92	673.34
8/17/2015	4.12	4.55	684.66	5.99	6.18	682.73	8.84	9.09	679.17

Sample Date	MW-16			MW-9S (Sump)			TW-17		
	Depth to Water (ft below PVC Lip)	Depth to Water (below grade)	Groundwater Elev. (ft msl)	Depth to Water (ft below PVC Lip)	Depth to Water (below grade)	Groundwater Elev. (ft msl)	Depth to Water (ft below PVC Lip)	Depth to Water (below grade)	Groundwater Elev. (ft msl)
4/24/2014	Installed 4/7/14			Not Installed			Not Installed		
3/11/2015	21.55	19.11	669.10	Installed 12/2/14			Installed 12/2/14		
8/17/2015	12.57	10.13	678.08	4.85	--	--	7.98	--	--
	9.94	7.50	680.71	2.08	--	--	6.42	--	--

Sample Date	TW-18		
	Depth to Water (ft below PVC Lip)	Depth to Water (below grade)	Groundwater Elev. (ft msl)
3/11/2015	Installed 12/2/14		
8/17/2015	7.56	--	--
	2.52	--	--

NA: Not Analyzed
 ft msl: feet above mean sea level
 -- = Not Surveyed

A.7
 Groundwater Natural Attenuation
 Richard A. DeZoute Property
 729 Sauk Trail Road, Oostburg, WI 53070
 BRRTS# 03-60-557729

Sample ID		NR 140 Preventive Action Limit	NR 140 Enforcement Standard	MW-5	MW-6	MW-9S	MW-11	MW-15	MW-16
Sample Date				8/17/2015	8/17/2015	8/17/2015	8/17/2015	8/17/2015	8/17/2015
Groundwater Elevation				681.28	681.17	--	684.66	679.17	680.71
Notes						1			
FIELD PARAMETERS									
Temperature	C°	NS	NS	10.36	10.76	17.81	9.60	11.40	11.65
Specific Conductivity	mS/cm	NS	NS	586	1,653	1,010	695	1,009	1,038
Dissolved Oxygen (field)	mg/l	NS	NS	4.86	3.97	6.15	3.42	1.25	6.50
pH		NS	NS	5.24	5.71	6.91	4.88	6.50	7.11
ORP	eV	NS	NS	209.9	182.0	21.6	57.1	89.3	127.3
LABORATORY PARAMETERS									
Alkalinity	mg/l	NS	NS	--	--	--	--	--	--
Dissolved Iron	ug/l	150	300	--	--	--	--	--	--
Dissolved Manganese	ug/l	25	50	--	--	--	--	--	--
Sulfate	mg/l	125	250	--	--	--	--	--	--
Methane	ug/l	NS	NS	--	--	--	--	--	--
Ethane	ug/l	NS	NS	--	--	--	--	--	--
Ethene	ug/l	NS	NS	--	--	--	--	--	--

Notes:

Bold value indicates exceedance of NR 140.10 or 140.12
 Enforcement Standard

ITALICS value exceeds NR 140.10 or 140.12 PAL

NS = No standard established

-- = Not Analyzed

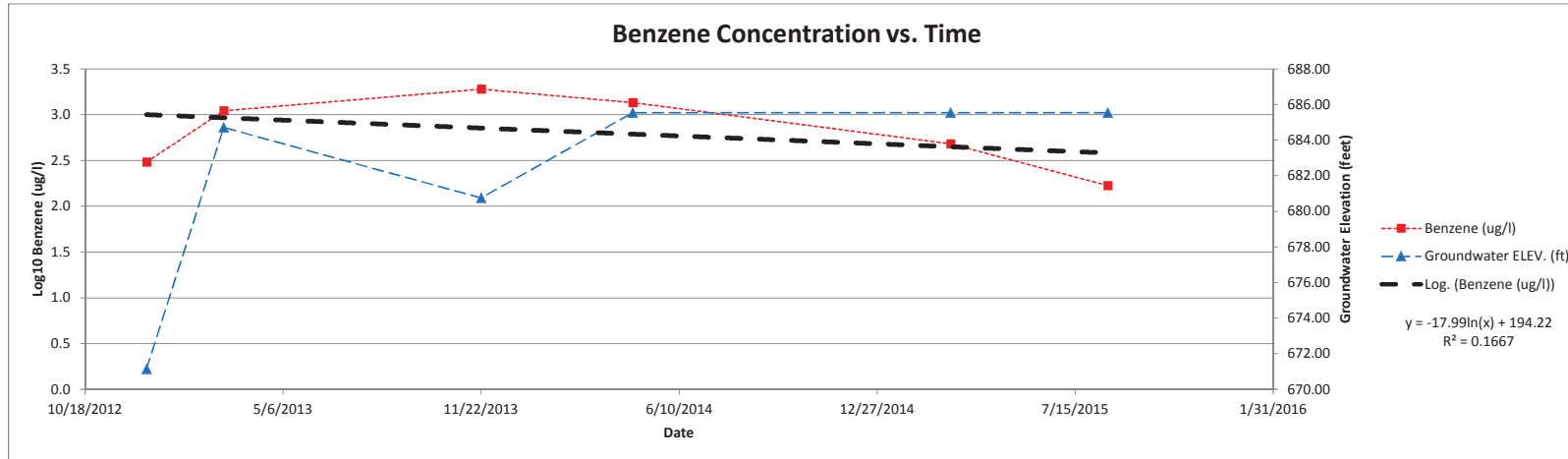
1 = Well Not Surveyed

*: Public Welfare Standard from Table 2, NR 140.12

** : Values beyond standard range of concentration, meter
 operation suspect

Groundwater monitoring data

MW	9/9S							
Groundwater ELEV. (ft)	671.14	684.71	680.75	685.54	685.54	685.54		
Sampling Dates	12/19/2012	3/7/2013	11/22/2013	4/24/2014	3/11/2015	8/17/2015		
	Max		Min					
Benzene (ug/l)	303.0	1,100.0	1,900.0	1,360.0	480.0	168.0	1,900.0	303.0
Log ₁₀ [Benzene (ug/l)]	2.5	3.0	3.3	3.1	2.7	2.2		



Notes:

The logarithm (to the base 10) of the benzene concentration data is plotted as a function of time.

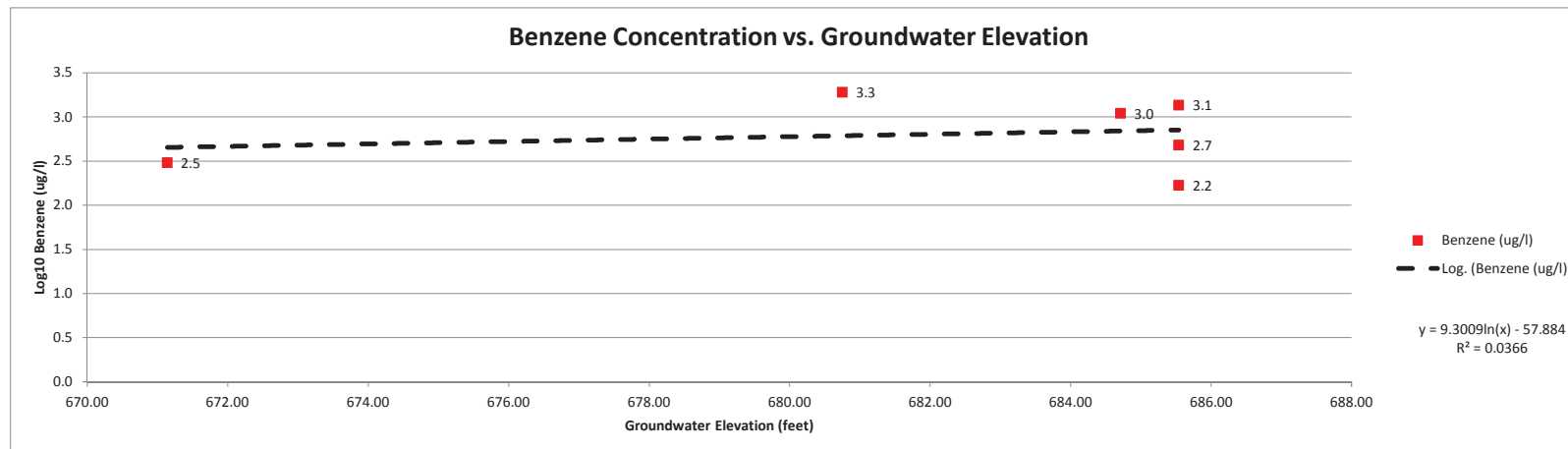
The trend line is the semi-log₁₀-transformed regression line.

Groundwater elevation data is superimposed on the concentration data.

For the graph above, benzene concentrations appear to be decreasing, and it appears groundwater levels have risen since December 2012.

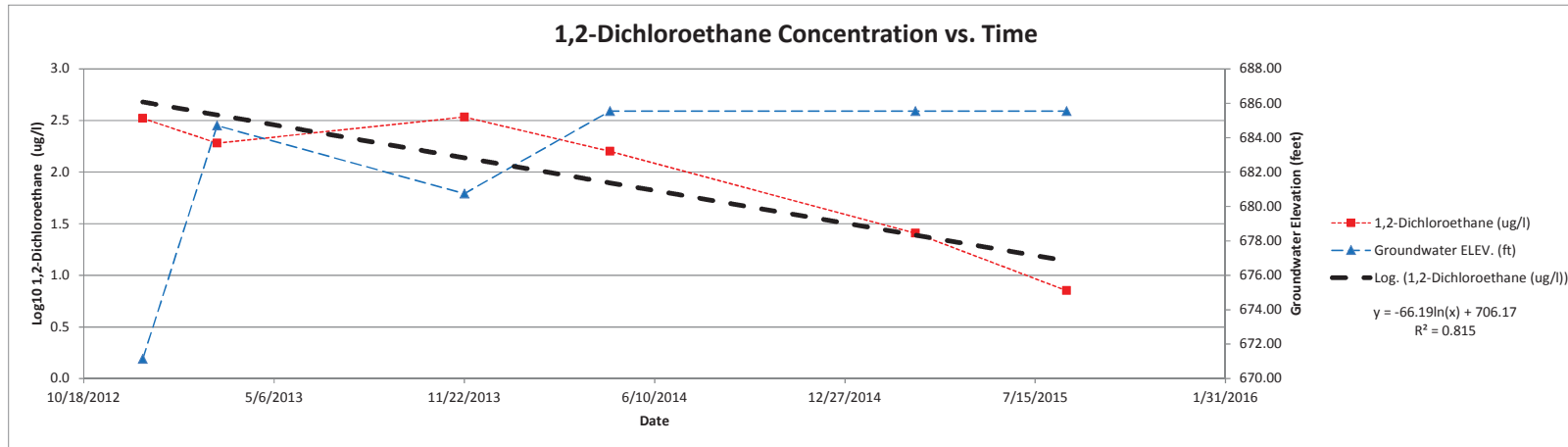
For the graph below, benzene concentrations appear to increase as a function of increasing water levels.

It should be noted that April 2014 groundwater level data from MW-9 is used for MW-9S March/August 2015 groundwater levels since this well has not been surveyed.



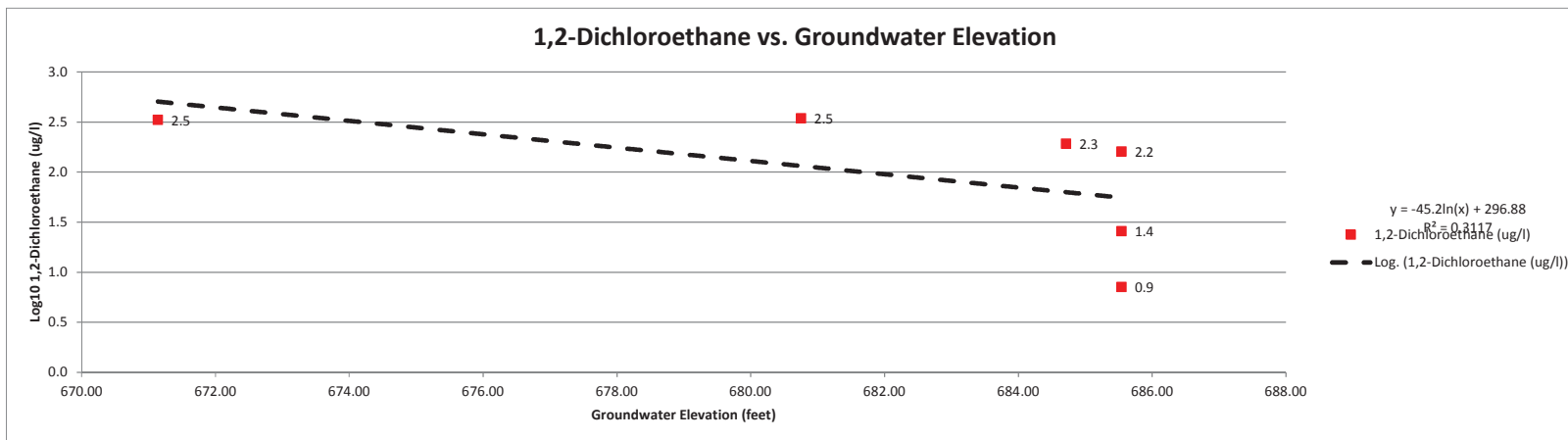
Groundwater monitoring data

MW 9/9S							
Groundwater ELEV. (ft)	671.14	684.71	680.75	685.54	685.54	685.54	
Sampling Dates	12/19/2012	3/7/2013	11/22/2013	4/24/2014	3/11/2015	8/17/2015	
	Max		Min				
1,2-Dichloroethane (ug/l)	331.0	191.0	342.0	159.0	25.6	7.1	342.0 159.0
₁₀ [1,2-Dichloroethane (ug/l)]	2.5	2.3	2.5	2.2	1.4	0.9	



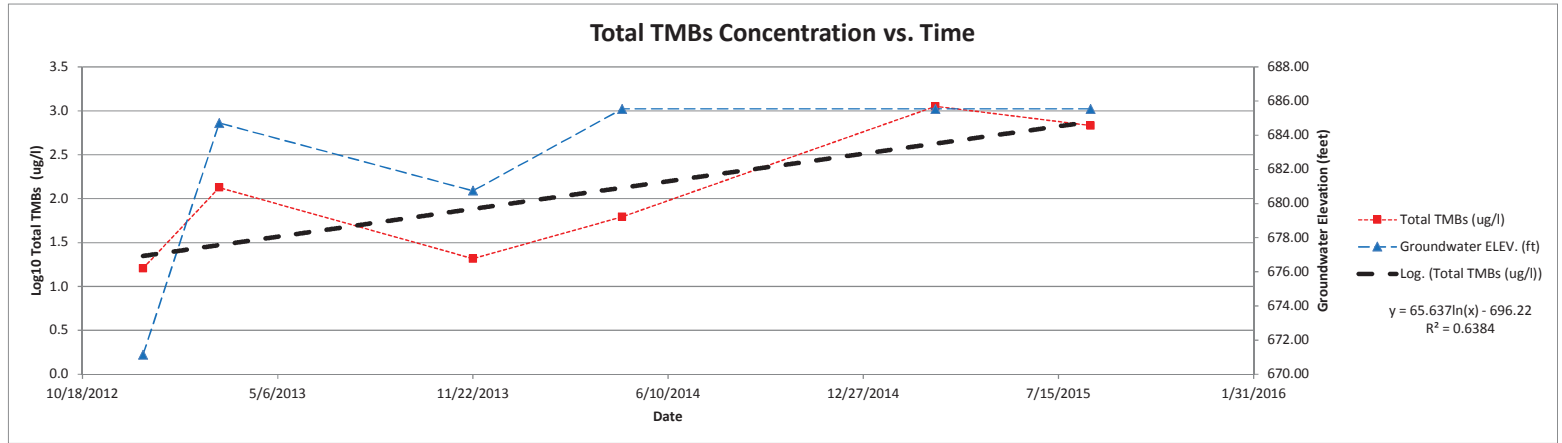
Notes:

The logarithm (to the base 10) of the 1,2-Dichloroethane concentration data is plotted as a function of time. The trend line is the semi-log10-transformed regression line. Groundwater elevation data is superimposed on the concentration data. For the graph above, 1,2-Dichloroethane concentrations appear to be decreasing, and it appears groundwater levels have risen since December 2012. For the graph below, 1,2-Dichloroethane concentrations appear to decrease as a function of increasing water levels. It should be noted that April 2014 groundwater level data from MW-9 is used for MW-9S March/August 2015 groundwater levels since this well has not been surveyed.



Groundwater monitoring data

MW 9/9S						
Groundwater ELEV. (ft)	671.14	684.71	680.75	685.54	685.54	685.54
Sampling Dates	12/19/2012	3/7/2013	11/22/2013	4/24/2014	3/11/2015	8/17/2015
Total TMBs (ug/l)	16.1	133.7	20.7	62.1	1,124.0	679.0
Log ₁₀ [Total TMBs (ug/l)]	1.2	2.1	1.3	1.8	3.1	2.8
					Max	Min



Notes:

The logarithm (to the base 10) of the Total TMBs concentration data is plotted as a function of time.

The trend line is the semi-log₁₀-transformed regression line.

Groundwater elevation data is superimposed on the concentration data.

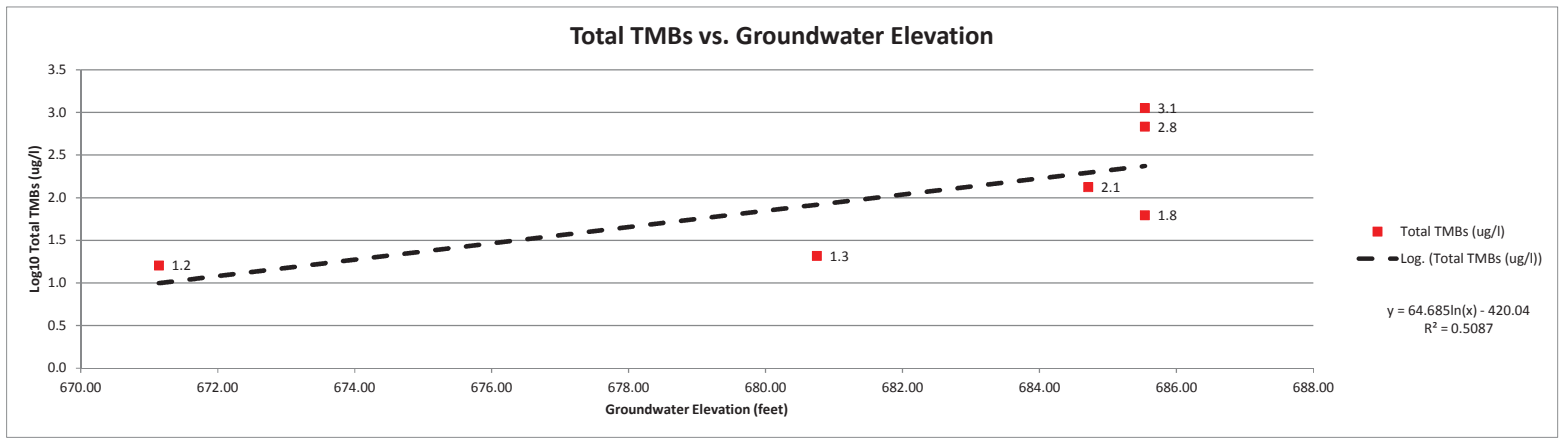
For the graph above, Total TMBs concentrations appear to be increasing, and it appears groundwater levels have risen since December 2012.

For the graph below, Total TMBs concentrations appear to increase as a function of increasing water levels.

It should be noted that April 2014 groundwater level data from MW-9 is used for MW-9S March/August 2015 groundwater levels since this well has not been surveyed.

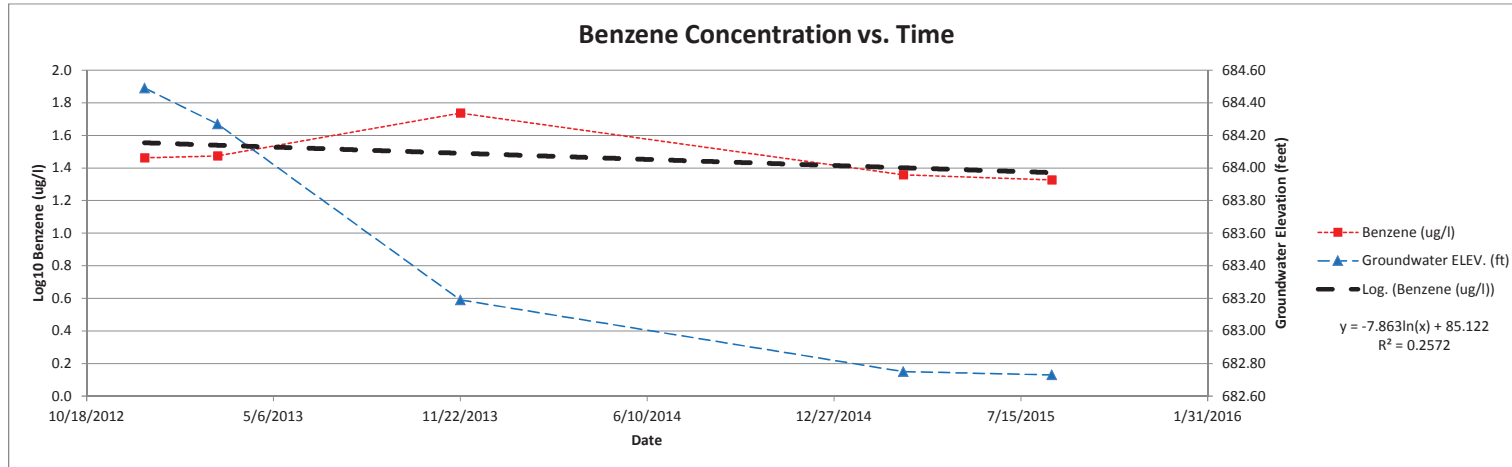
Total TMBs = Total Trimethylbenzenes ((1,2,4- & 1,3,5-))

Even though the semi-log plot shows total TMBs increasing over time, the last event shows total TMB levels significantly dropped from 1,124 to 679 ug/l.



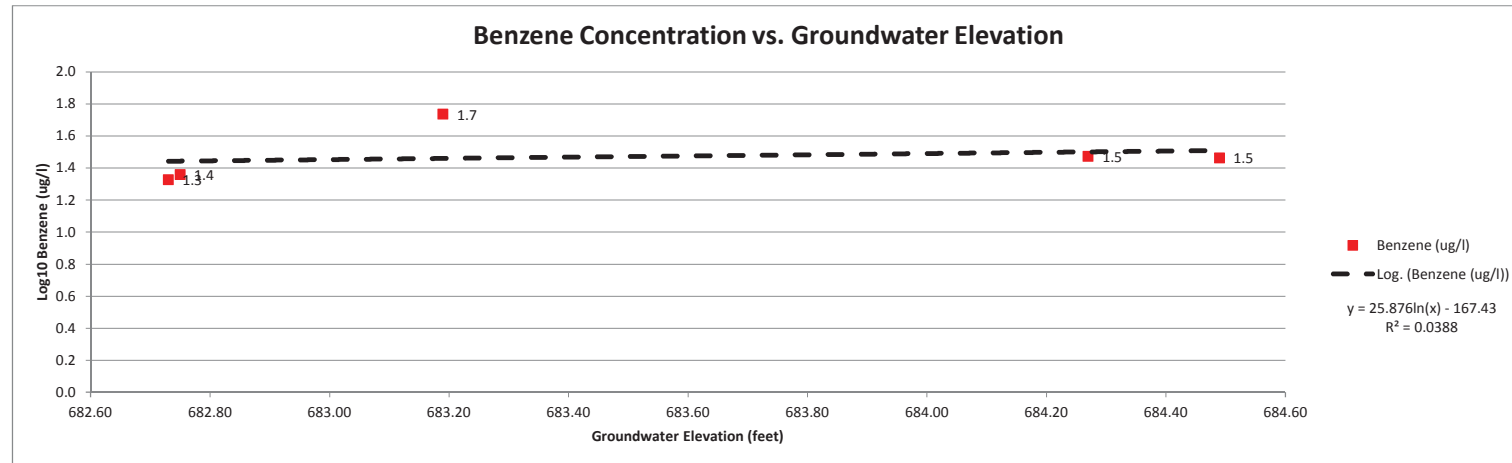
Groundwater monitoring data

TW 14					
Groundwater ELEV. (ft)	684.49	684.27	683.19	682.75	682.73
Sampling Dates	12/19/2012	3/7/2013	11/22/2013	3/11/2015	8/17/2015
	Max		Min		
Benzene (ug/l)	29.0	29.7	54.5	22.8	21.2
Log ₁₀ [Benzene (ug/l)]	1.5	1.5	1.7	1.4	1.3



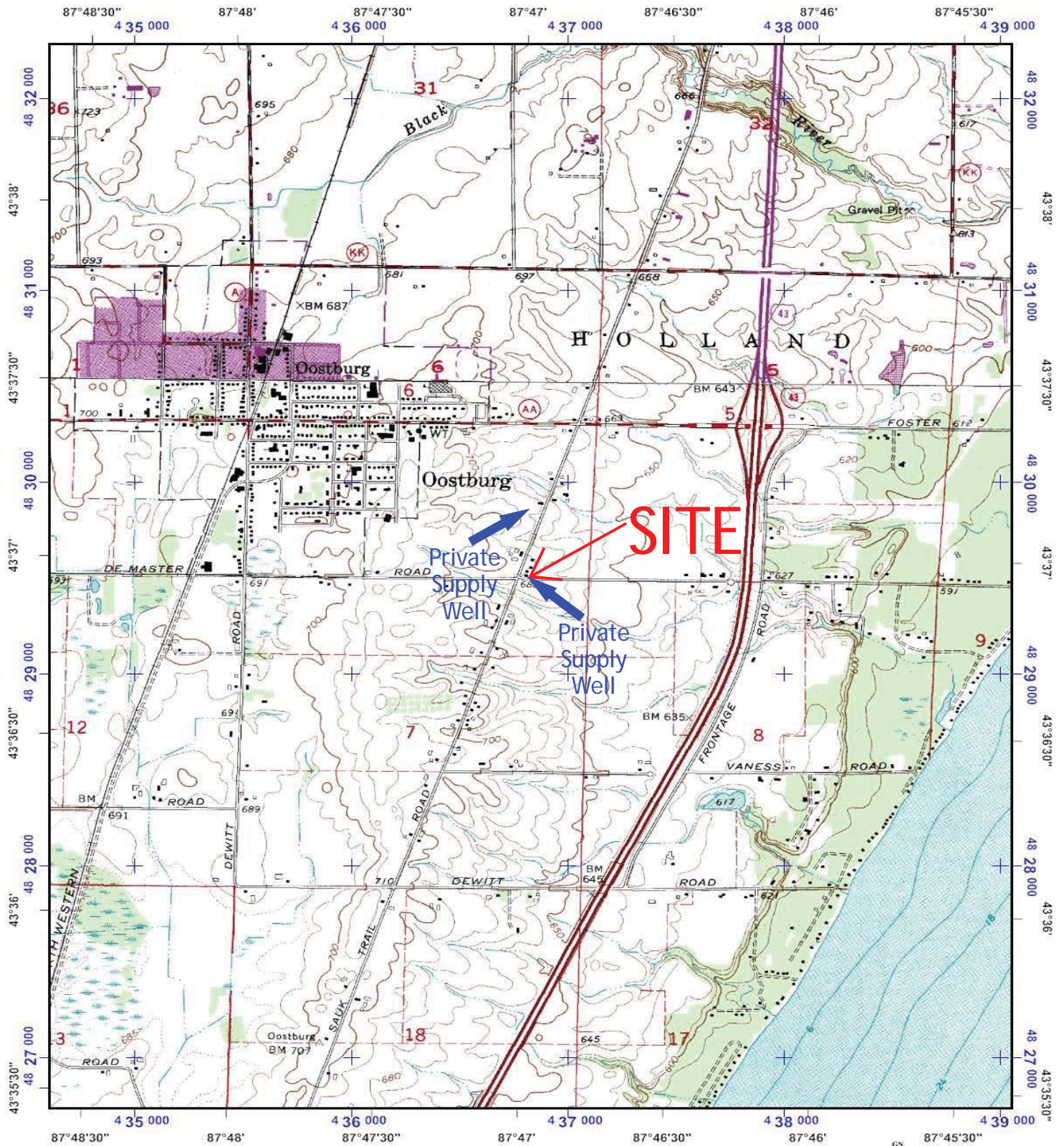
Notes:

The logarithm (to the base 10) of the benzene concentration data is plotted as a function of time.
 The trend line is the semi-log₁₀-transformed regression line.
 Groundwater elevation data is superimposed on the concentration data.
 For the graph above, benzene concentrations appear to be increasing, and there seems to be an decreasing water level with time.
 For the graph below, benzene concentrations appear to increase as a function of increasing water levels.

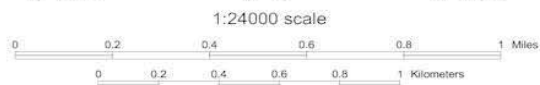


Attachment B: Maps, Figures, and Photos

- B.1.a Location Map
- B.1.b Detailed Site Map
- B.1.c RR Sites Map
- B.2.a.I Bonestroo SI Soil Chemistry - June 2011
- B.2.a.II Soil Chemistry December 2012
- B.2.a.III Pre-Remedial Soil Chemistry - April 2014
- B.2.a.IV Excavation Soil Chemistry & PID Readings - December 2014
- B.2.a.V Soil Contamination
- B.2.b Residual Soil Contamination
- B.3.a.I Geologic Cross-Section Locations
- B.3.a.II Geologic Cross-Section: North / South (A-A')
- B.3.a.III Geologic Cross-Section: West / East (B-B')
- B.3.b.I Pre-Remedial Groundwater Chemistry - April 2014
- B.3.b.II Post-Remedial Groundwater Isoconcentration Map - August 2015
- B.3.c Groundwater Flow Direction - August 2015
- B.3.d Monitoring Wells
- B.4.a Vapor Intrusion Map - November 2013
- B.4.b Other Media of Investigation: Not Applicable - No other media was identified as being of concern during site activities
- B.4.c Other: Not Applicable - All Figures included are listed above
- B.5 Structural Impediment Photos: Not Applicable - Structural impediment feature(s) which precluded a complete site investigation or remediation at the time of the closure request were not present at the site



Universal Transverse Mercator (UTM) Projection Zone 16
 North American Datum of 1983
 1000 meter UTM / USNG / MGRS
 Gnd Zone Designation: 16T
 100,000-m Squares: DP







Magnetic declination of 4W at center of map
 on March 17, 2011

TITLE:		Location Map	
SITE:		Richard A DeZoute Property 729 S Sauk Trail Rd, Oostburg, WI 53070	
REV		DATE	APPVD
		Job # 14-1440 BRRTS# 03-60-557729	

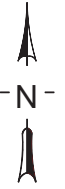
FEHR GRAHAM
 ENGINEERING & ENVIRONMENTAL

DATE:	APPVD:	FILE:
4/7/15		0: Site Location - 14-1440.skf
DRAWN:	MH	FIGURE:
		B.1.a

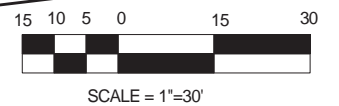
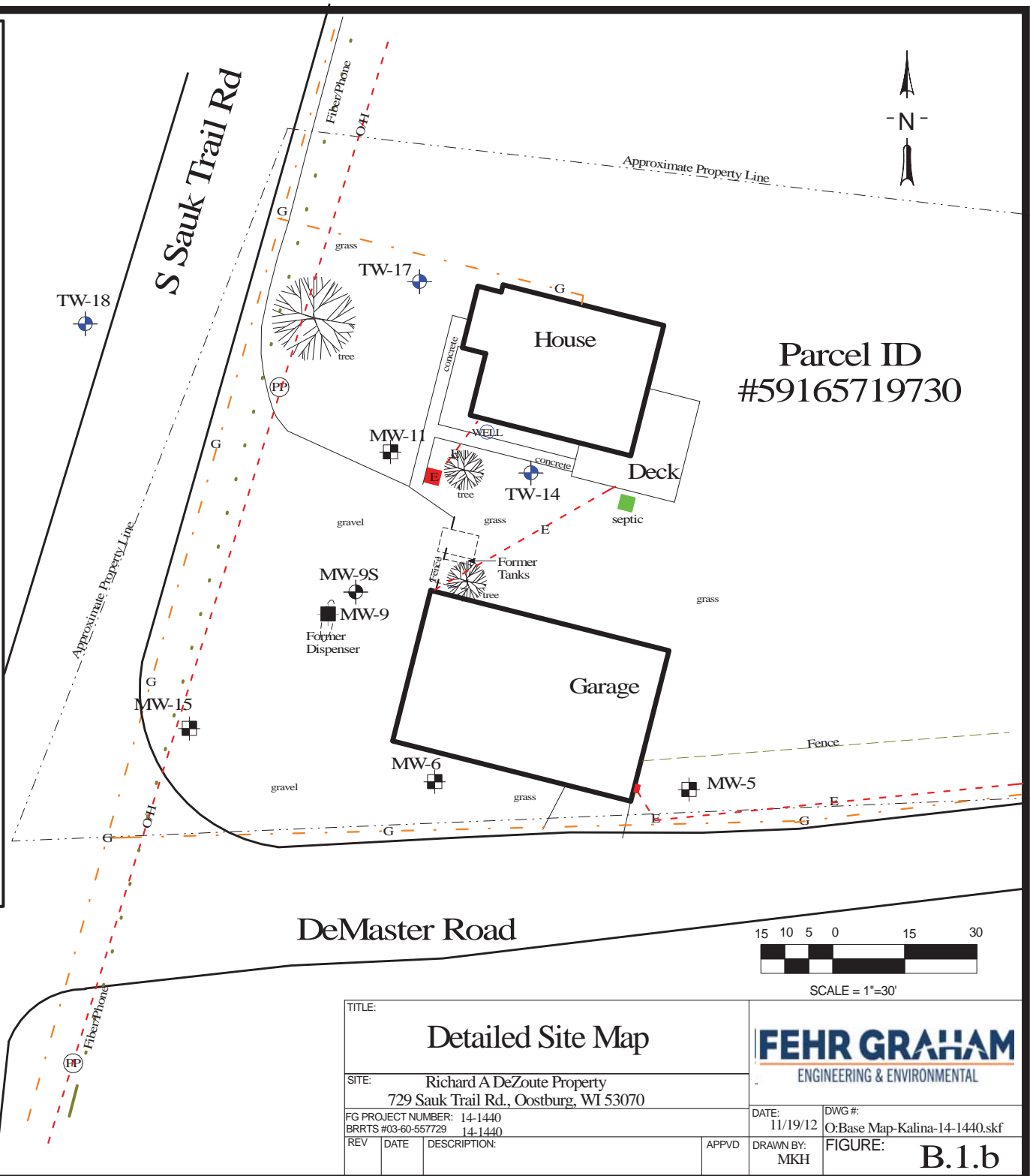
LEGEND

- MW-5  NR140 Monitoring Well
- MW-9  Abandoned NR140 Monitoring Well
- MW-9S  Sump
- TW-17  Temporary Monitoring Well

-  Gas Line
-  Fiber Optic Phone
-  Electric Overhead Lines



Parcel ID
#59165719730




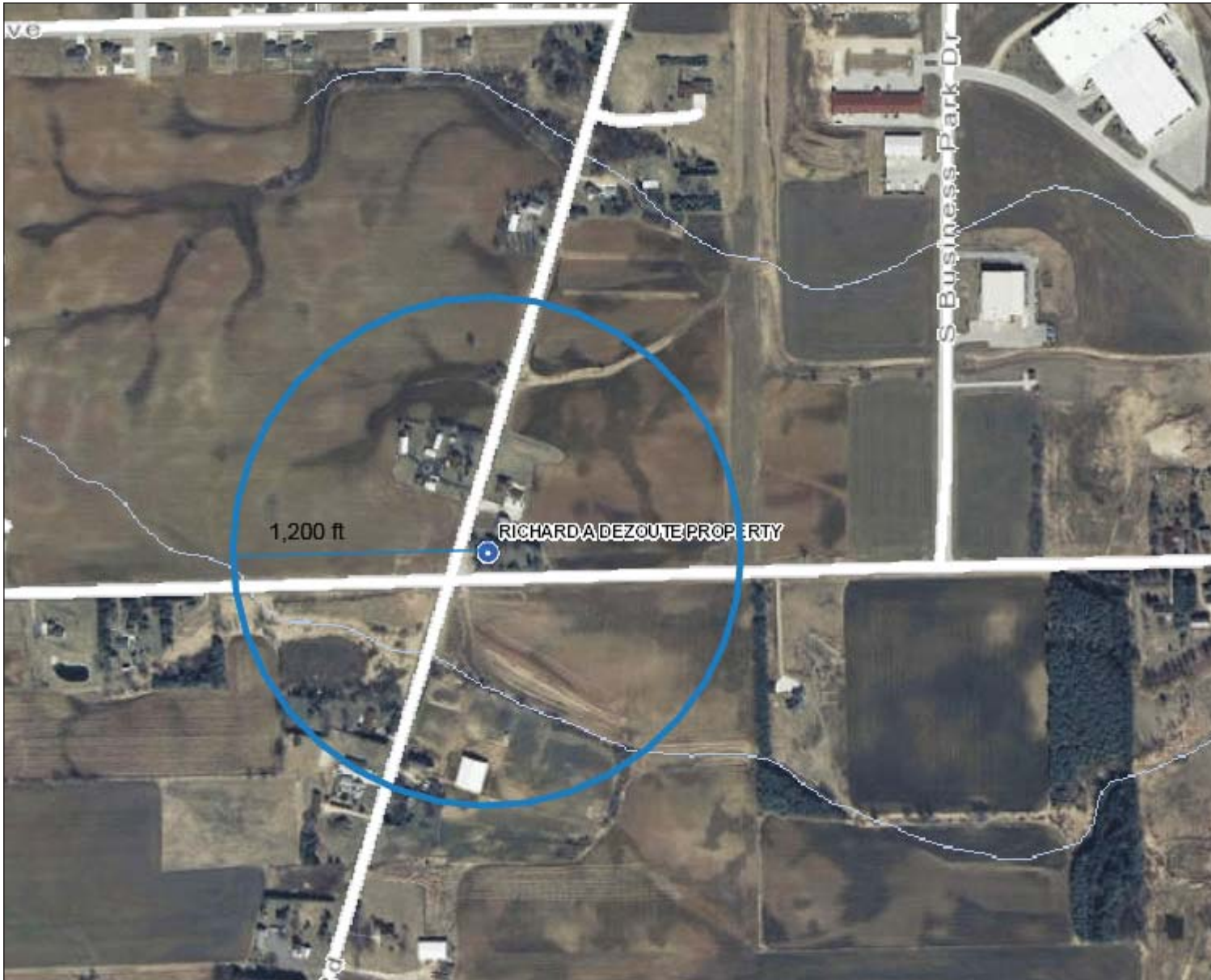
TITLE: Detailed Site Map				 ENGINEERING & ENVIRONMENTAL	
SITE: Richard A DeZoute Property 729 Sauk Trail Rd., Oostburg, WI 53070				DATE: 11/19/12	DWG #: O:Base Map-Kalina-14-1440.skf
FG PROJECT NUMBER: 14-1440 BRRTS #03-60-557729 14-1440				REV	DESCRIPTION:
APPVD	DRAWN BY: MKH	FIGURE: B.1.b			



Figure B.1.c RR Sites Map

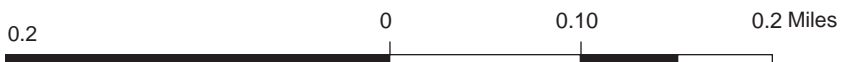


Legend

- Open Site (ongoing cleanup)
- Open Site Boundary
- Closed Site (completed cleanup)
- Closed Site Boundary
- Groundwater Contamination
- Soil Contamination
- Groundwater and Soil Contamination
- Contamination From Another Property
- Dryclean Environmental Response Fund (DERF)
- Green Space Grant (2004-2009)
- Ready for Reuse
- Site Assessment Grant (2001-2009)
- State Funded Response
- Sustainable Urban Development Zone (SUDZ)
- General Liability Clarification Letters
- Superfund NPL
- Voluntary Party Liability Exemption
- Rivers and Streams
- Open Water

Notes

Richard A DeZoute Property
BRRTS #03-60-557729
Print Date: 9/1/15



NAD_1983_HARN_Wisconsin_TM

© Latitude Geographics Group Ltd.

1: 6,502



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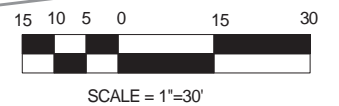
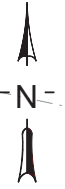
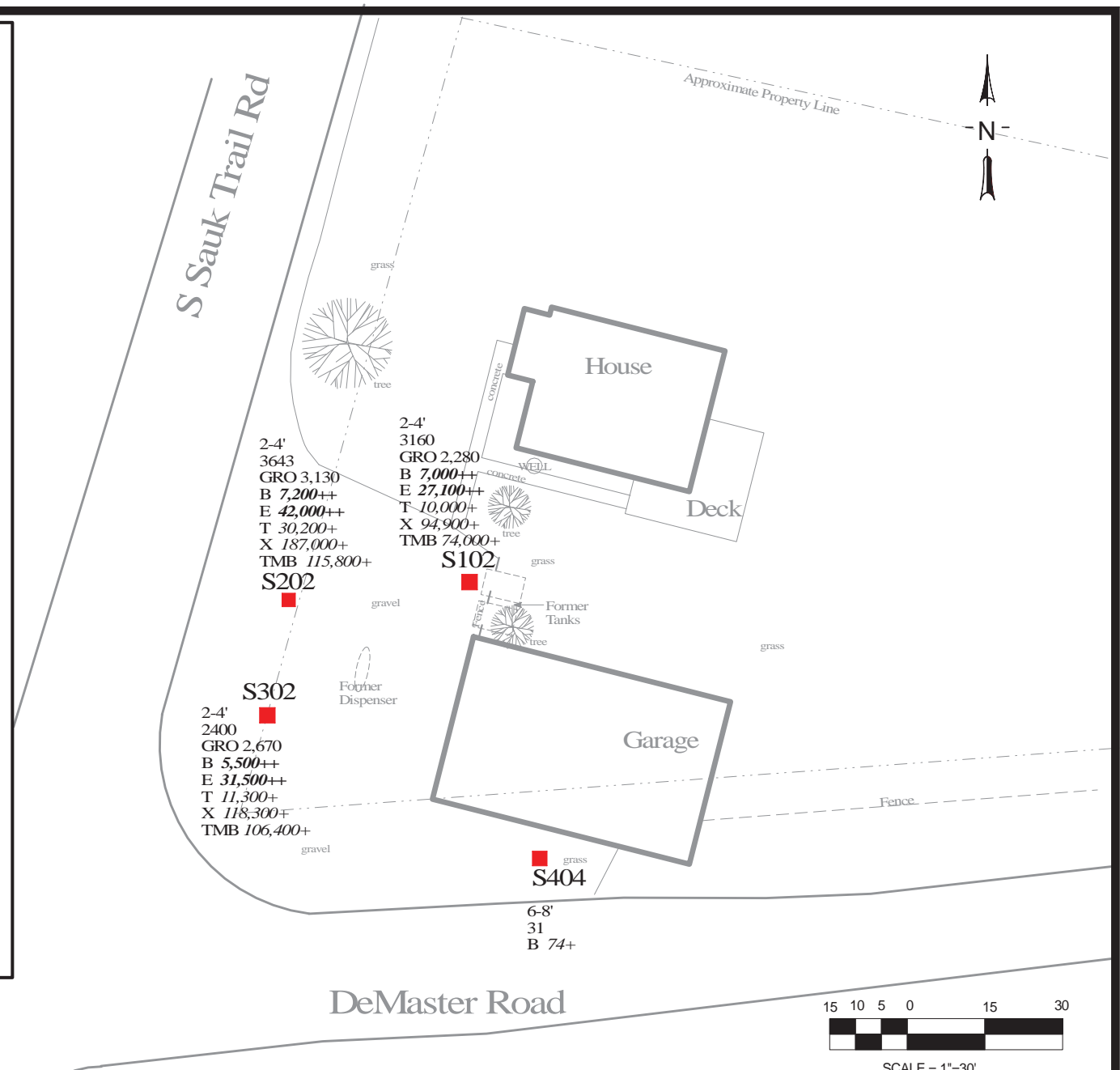
Note: Not all sites are mapped.

LEGEND

- 2-4' Sample Depth
- 3643 PID reading (iui)
- GRO Gasoline Range Organics (mg/kg)
- B Benzene (ug/kg)
- E Ethylbenzene (ug/kg)
- T Toluene (ug/kg)
- X Xylenes, total (ug/kg)
- TMB Trimethylbenzenes, total (ug/kg)

ITALICS+ Exceeds Groundwater Pathway RCL
BOLD++ Exceeds Non-Industrial Direct Contact (0-4') RCL

S202
■ Bonestroo Soil Boring 6/2011



DeMaster Road

Bonestroo SI Soil Chemistry					
TITLE:				DATE: 11/19/12	
SITE: Richard A DeZoute Property 729 Sauk Trail Rd., Oostburg, WI 53070				DWG #: F:\DeZoute\Rem OEX-GW Mon\Figures\ Base Map-Kalina-14-1114.skf	
FG PROJECT NUMBER: 14-1440 BRRTS #03-60-557729				DRAWN BY: MKH	
REV	DATE	DESCRIPTION:	APPVD	FIGURE: B.2.a.I	
		PRINTED: 12/2/15			

LEGEND

- MW-5  NR140 Monitoring Well
- MW-9  Abandoned NR140 Monitoring Well
- B-13  Alpha Terra (Fehr Graham) Soil Boring 12/5/12
- TW-14  Temp Well

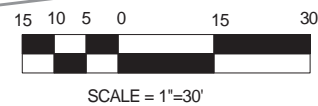
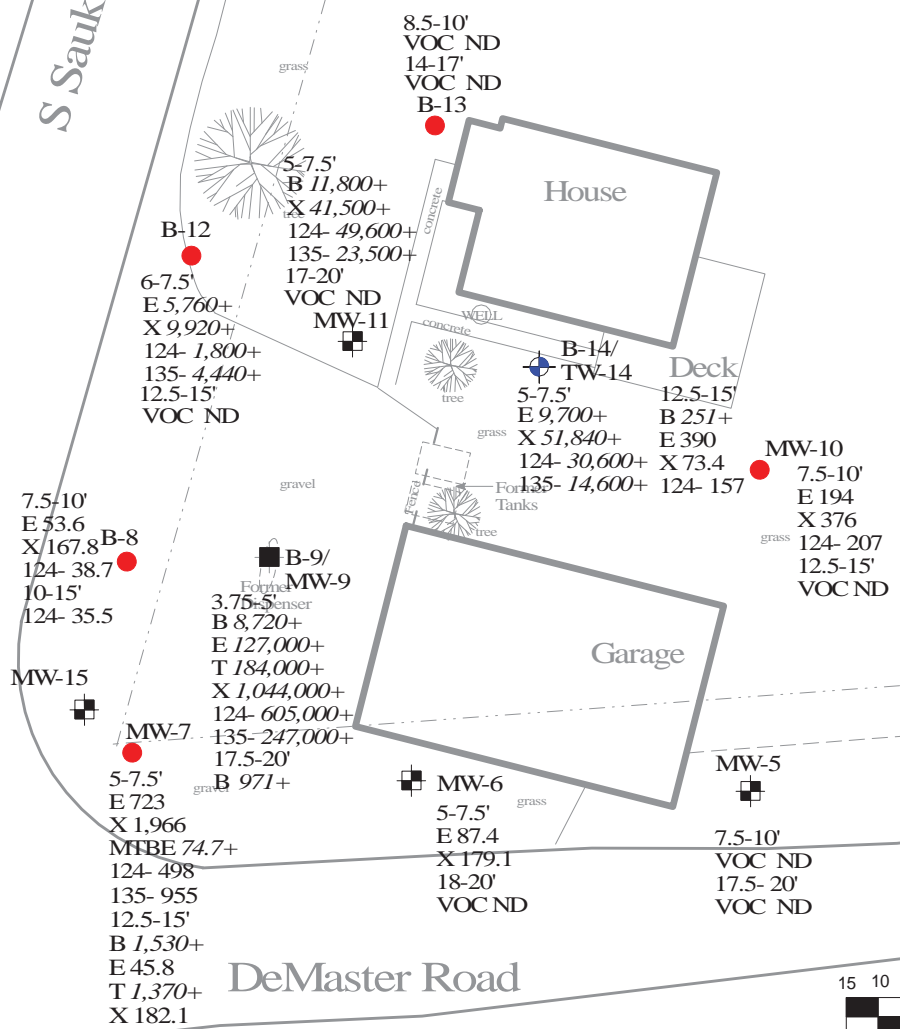
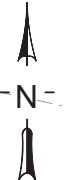
Soil Chemistry

- 5-7.5' Sample Depth
- B Benzene (ug/kg)
- E Ethylbenzene (ug/kg)
- T Toluene (ug/kg)
- X Xylenes, total (ug/kg)
- N Naphthalene (ug/kg)
- 124- 1,2,4-Trimethylbenzene (ug/kg)
- 135- 1,3,5-Trimethylbenzene (ug/kg)
- MTBE Methyl-tert-butyl-ether (ug/kg)

BOLD++ Exceeds Non-Industrial Direct Contact (0-4') RCL
ITALICS+ Exceeds Groundwater Pathway RCL
 ND No Detect

S Sauk Trail Rd

Approximate Property Line



TITLE: Soil Chemistry December 2012				FEHR GRAHAM ENGINEERING & ENVIRONMENTAL	
SITE: Richard A DeZoute Property 729 Sauk Trail Rd., Oostburg, WI 53070				DATE: 11/19/12	DWG #: F:DeZoute/Rem OEX-GW Mon/Figures/ Base Map-Kalina-14-1114.skf
FG PROJECT NUMBER: 14-1440 BRRTS #03-60-55729				APPVD	FIGURE: B.2.a.II
REV	DATE	DESCRIPTION: PRINTED: 12/2/15		DRAWN BY: MKH	

MW-16 

LEGEND

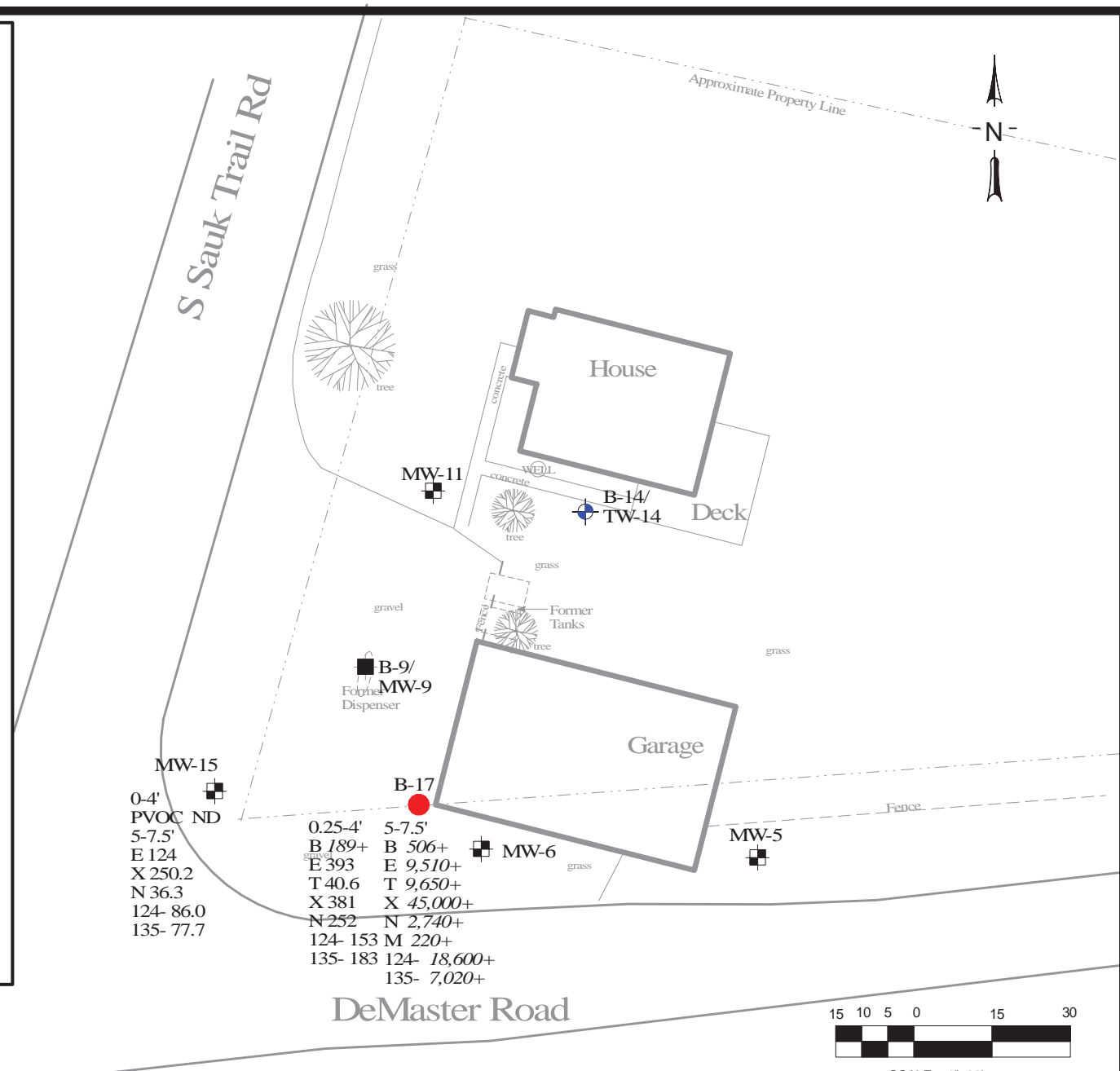
- MW-5 NR140 Monitoring Well
- MW-9 Abandoned NR140 Monitoring Well
- TW-14 Temp Well

B-17 Alpha Terra/Fehr Graham Soil Boring 4/7/14

Soil Chemistry

- 5-7.5' Sample Depth
- B Benzene (ug/kg)
- E Ethylbenzene (ug/kg)
- T Toluene (ug/kg)
- X Xylenes, total (ug/kg)
- N Naphthalene (ug/kg)
- 124 1,2,4-Trimethylbenzene (ug/kg)
- 135 1,3,5-Trimethylbenzene (ug/kg)
- M Methyl-tert-butyl-ether (ug/kg)

ITALICS+ Exceeds Groundwater Pathway RCL
BOLD++ Exceeds Non-Industrial Direct Contact (0-4') RCL
 ND No Detect



MW-15
 0-4' PVOC ND
 5-7.5' E 124
 X 250.2
 N 36.3
 124- 86.0
 135- 77.7

B-17
 0.25-4' B 189+
 5-7.5' E 393
 T 40.6
 X 381
 N 252
 124- 153
 135- 183

MW-6
 5-7.5' B 506+
 E 9,510+
 T 9,650+
 X 45,000+
 N 2,740+
 124- 18,600+
 135- 7,020+

MW-16
 0-4' PVOC ND
 5-7' PVOC ND

TITLE: Soil Chemistry April 7, 2014 Pre-Remedial Soil Contamination					
SITE: Richard A DeZoute Property 729 Sauk Trail Rd., Oostburg, WI 53070				DATE: 11/19/12	DWG #: F:\DeZoute\Rem OEX-GW Mon\Figures\Base Map-Kalina-14-1114.skf
FG PROJECT NUMBER: 14-1440 BRRTS #03-60-557729		DESCRIPTION: PRINTED: 12/2/15		APPVD	DRAWN BY: MKH
				FIGURE: B.2.a.III	

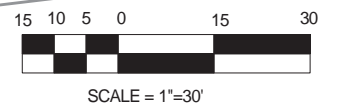
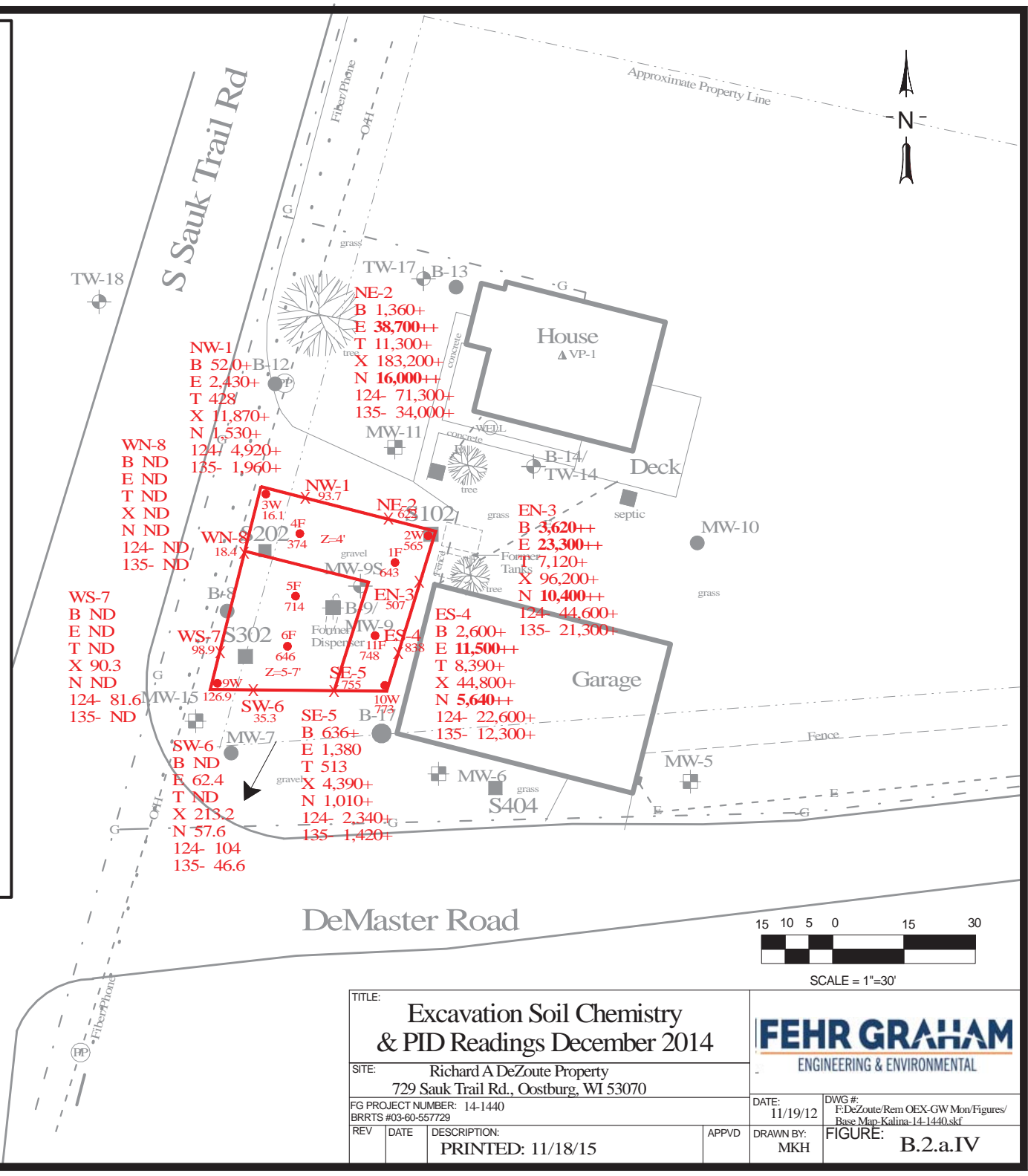
LEGEND

- MW-5 NR140 Monitoring Well
- MW-9 Abandoned NR140 Monitoring Well
- MW-9S Sump
- B-17 Alpha Terra/Fehr Graham Soil Boring
- December 2014 Excavation Limits
- Z=5-7' Excavation Depth
- NW-1 Excavation Sample
- TW-14 Temp Well
- VP-1 Vapor Point 11.22.13
- S202 Bonestroo Soil Boring 6/2011
- Benzene (ug/kg)
- Ethylbenzene (ug/kg)
- Toluene (ug/kg)
- Naphthalene (ug/kg)
- 1,2,4-Trimethylbenzene (ug/kg)
- 1,3,5-Trimethylbenzene (ug/kg)
- Xylenes (ug/kg)
- No Detect
- Exceeds Groundwater Pathway RCL
- Exceeds Non-Industrial Direct-Contact RCL
- Note: All Excavation Samples taken from 0-4'

- Soil Chemistry
- B Benzene (ug/kg)
 - E Ethylbenzene (ug/kg)
 - T Toluene (ug/kg)
 - N Naphthalene (ug/kg)
 - 124 1,2,4-Trimethylbenzene (ug/kg)
 - 135 1,3,5-Trimethylbenzene (ug/kg)
 - X Xylenes (ug/kg)
 - ND No Detect
 - + Exceeds Groundwater Pathway RCL
 - ++ Exceeds Non-Industrial Direct-Contact RCL
- Note: All Excavation Samples taken from 0-4'

5F
93.7 PID Location (wall/floor) & Reading (ppm)

- Gas Line
- Fiber Optic Phone
- Electric Overhead Lines



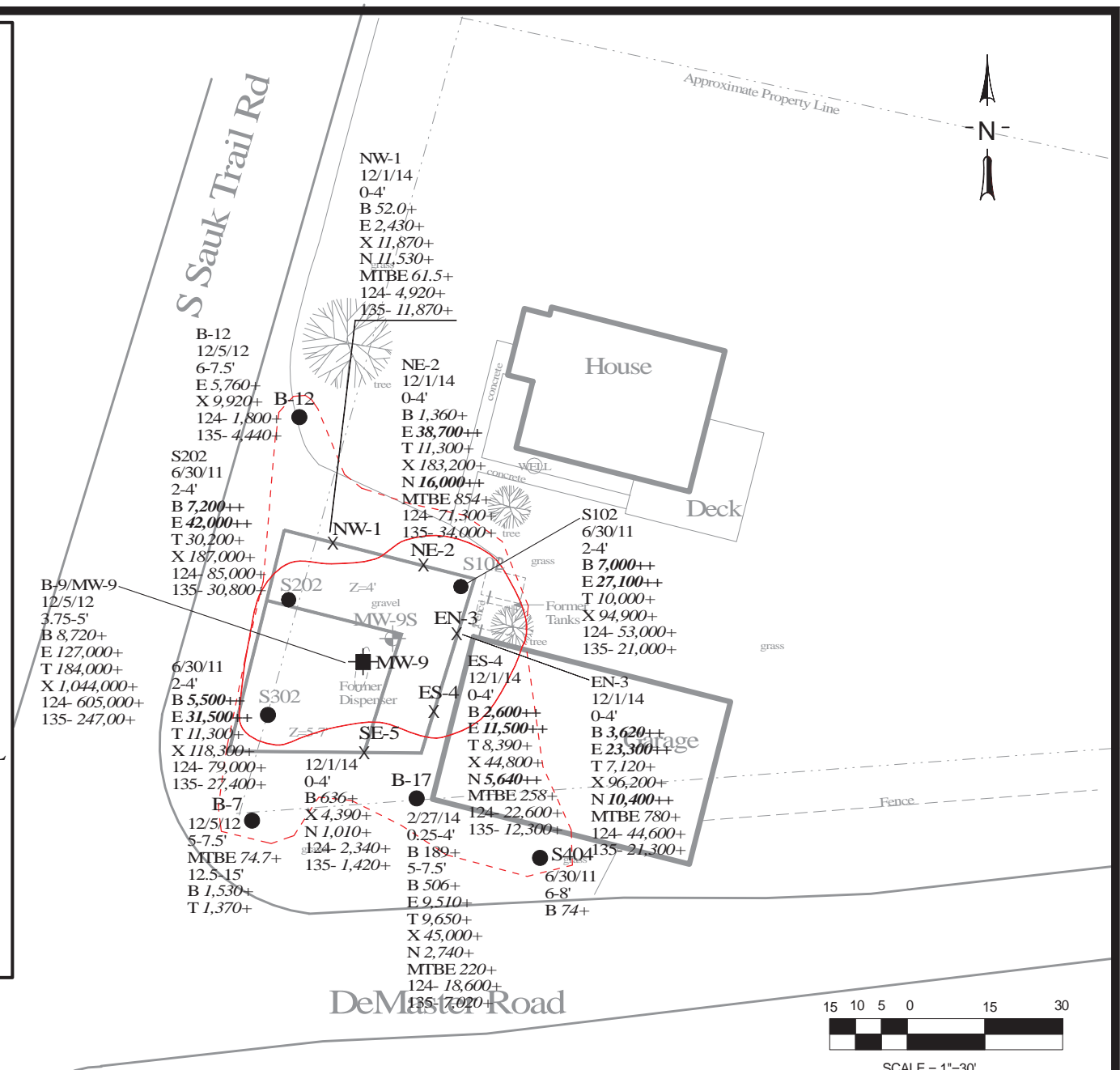
TITLE: Excavation Soil Chemistry & PID Readings December 2014					
SITE: Richard A DeZoute Property 729 Sauk Trail Rd., Oostburg, WI 53070				DATE: 11/19/12	
FG PROJECT NUMBER: 14-1440 BRRTS #03-60-557729				DWG #: F:DeZoute/Rem OEX-GW Mon/Figures/ Base Map-Kalina-14-1440.skf	
REV	DATE	DESCRIPTION:	APPVD	DRAWN BY:	FIGURE:
		PRINTED: 11/18/15		MKH	B.2.a.IV

LEGEND

- B-1 ● Soil Boring
- SE-5 X Dec. 2014 Excavation Sample
- December 2014 Excavation Limits
- Z=5-7' Excavation Depth

- EN-3 Sample ID
- 12/1/14 Sample Date
- 0-4' Sample Depth
- B Benzene (ug/kg)
- E Ethylbenzene (ug/kg)
- T Toluene (ug/kg)
- X Xylenes, total (ug/kg)
- N Naphthalene (ug/kg)
- MTBE Methyl-Tert-Butyl-Ether (ug/kg)
- 124- 1,2,4-Trimethylbenzene (ug/kg)
- 135- 1,3,5-Trimethylbenzene (ug/kg)
- ITALICS+* Exceeds Groundwater Pathway RCL
- BOLD++** Exceeds Direct Contact (0-4') RCL

- Estimated Extent of VOC Contaminated Soil Exceeding Direct Contact RCL
- ⊖ Estimated Extent of VOC Contaminated Soil Exceeding Groundwater Pathway RCL



TITLE: Soil Contamination					
SITE: Richard A DeZoute Property 729 Sauk Trail Rd., Oostburg, WI 53070				DATE: 11/19/12	
FG PROJECT NUMBER: 14-1440 BRRTS #03-60-557729				DWG #: F:DeZoute/Rem OEX-GW Mon/Figures/ Base Map-Kalina-14-1114.skf	
REV	DATE	DESCRIPTION:	APPVD	DRAWN BY:	FIGURE:
		PRINTED: 12/9/15		MKH	B.2.a.V

LEGEND

B-1 ● Soil Boring

MW-9S  Sump

SE-5 X Dec. 2014 Excavation Sample

 December 2014 Excavation Limits

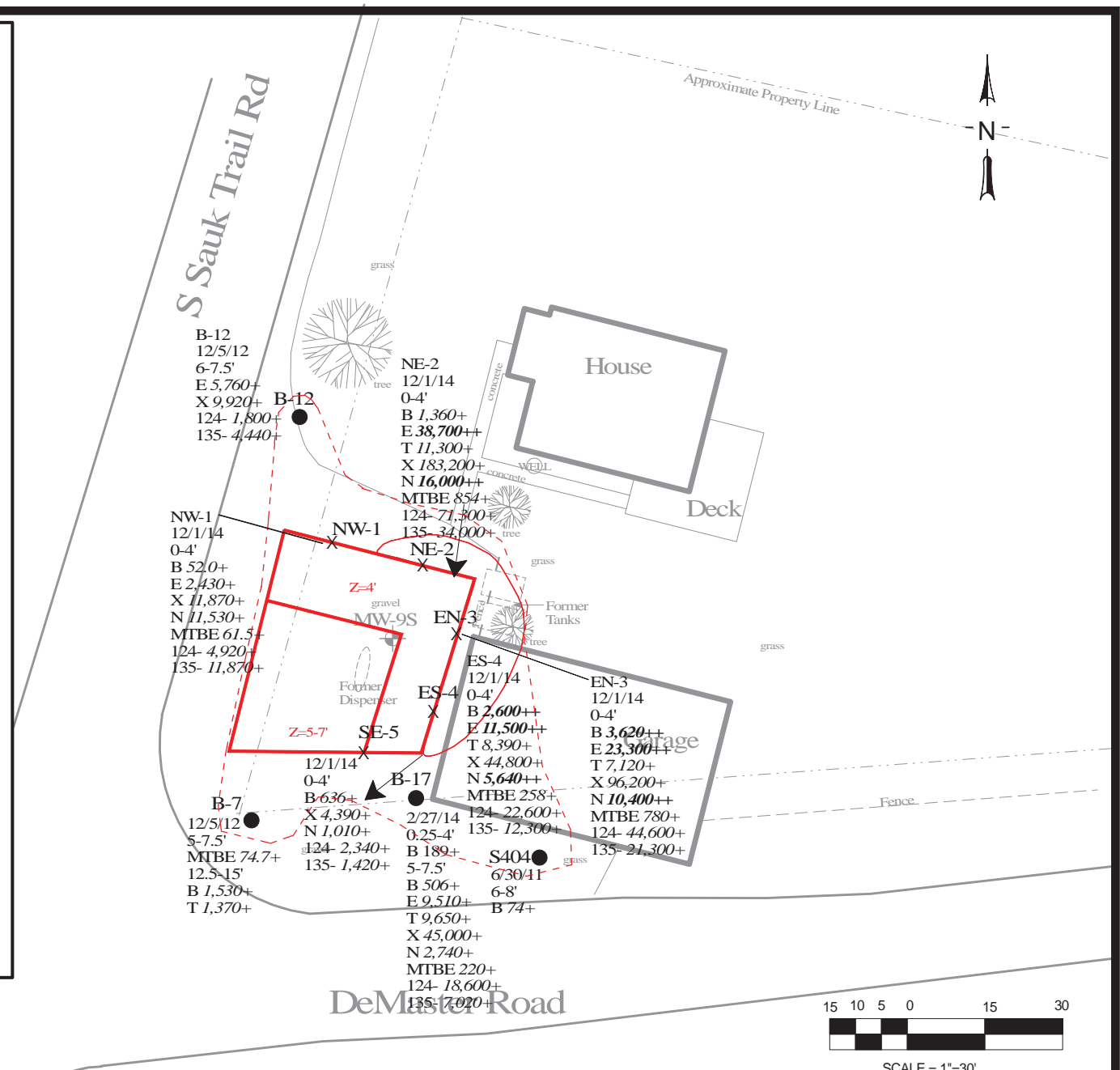
Z=5-7' Excavation Depth

EN-3 Sample ID
 12/1/14 Sample Date
 0-4' Sample Depth
 B Benzene (ug/kg)
 E Ethylbenzene (ug/kg)
 T Toluene (ug/kg)
 X Xylenes, total (ug/kg)
 N Naphthalene (ug/kg)
 MTBE Methyl-Tert-Butyl-Ether (ug/kg)
 124- 1,2,4-Trimethylbenzene (ug/kg)
 135- 1,3,5-Trimethylbenzene (ug/kg)
ITALICS+ Exceeds Groundwater Pathway RCL
BOLD++ Exceeds Direct Contact (0-4') RCL

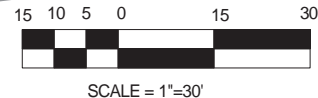
 Estimated Extent of VOC Contaminated Soil Exceeding Direct Contact RCL


 Estimated Extent of VOC Contaminated Soil Exceeding Groundwater Pathway RCL

 Groundwater Flow Direction 8/15/15



DeMester Road



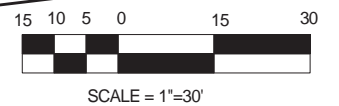
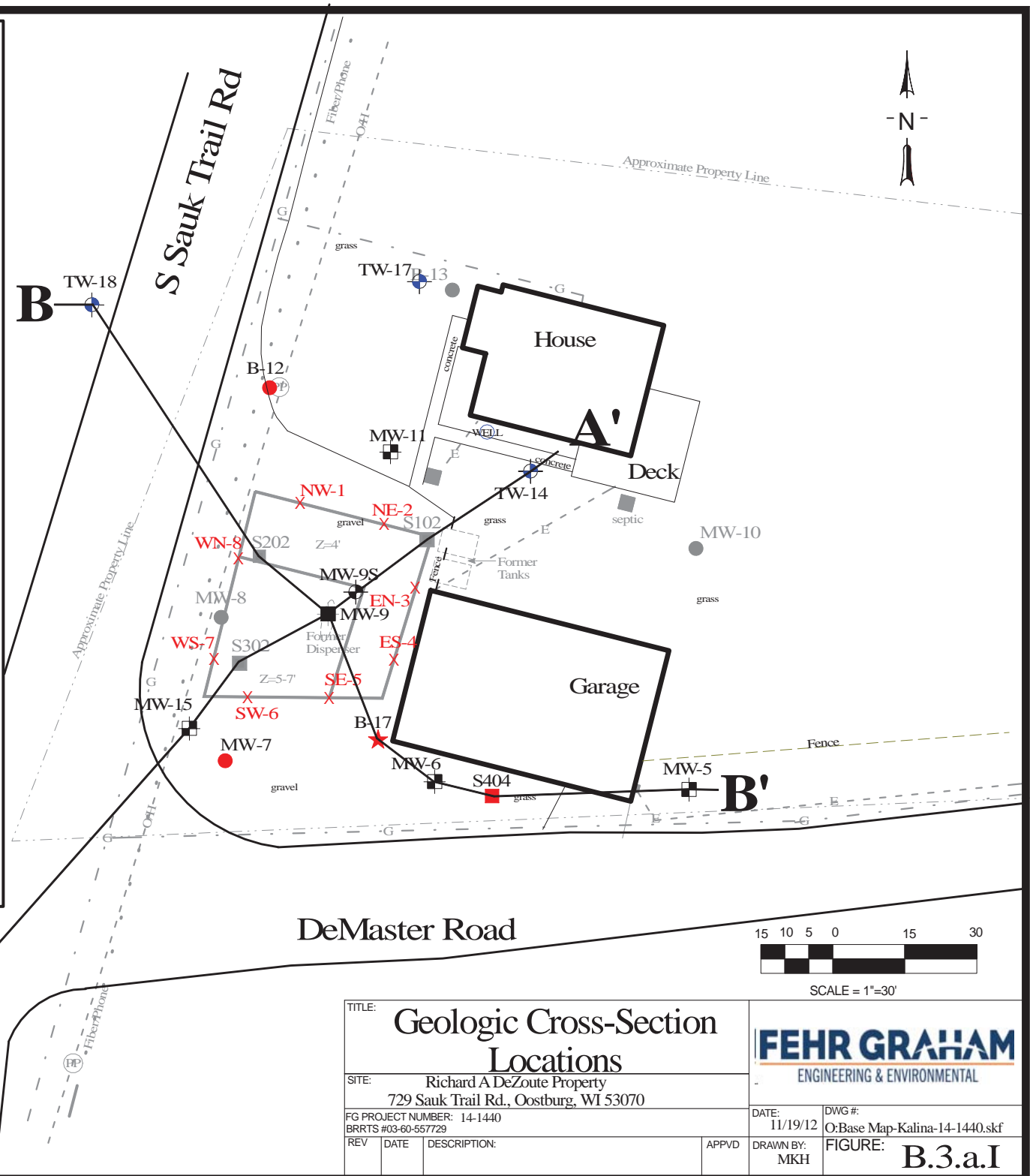
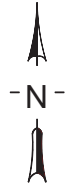
TITLE: Residual Soil Contamination					
SITE: Richard A DeZoute Property 729 Sauk Trail Rd., Oostburg, WI 53070				DATE: 11/19/12	
FG PROJECT NUMBER: 14-1440 BRRTS #03-60-557729				DWG #: F:\DeZoute\Rem OEX-GW Mon\Figures\Base Map-Kalina-14-1114.skf	
REV	DATE	DESCRIPTION:	APPVD	DRAWN BY:	FIGURE:
		PRINTED: 12/9/15		MKH	B.2.b

LEGEND

- MW-5 NR140 Monitoring Well
- TW-14 Temp Well
- MW-9 Abandoned NR140 Monitoring Well
- Bonestroo Soil Boring 6/2011
- B-13 Alpha Terra (Fehr Graham) Soil Boring 12/5/12
- B-17 Fehr Graham Soil Boring 12/5/12
- MW-9S Sump
- NW-1 Excavation Sample

December 2014 Excavation Limits
 Z=5-7' Excavation Depth

Gas Line Fiber Optic Phone Electric Overhead Lines

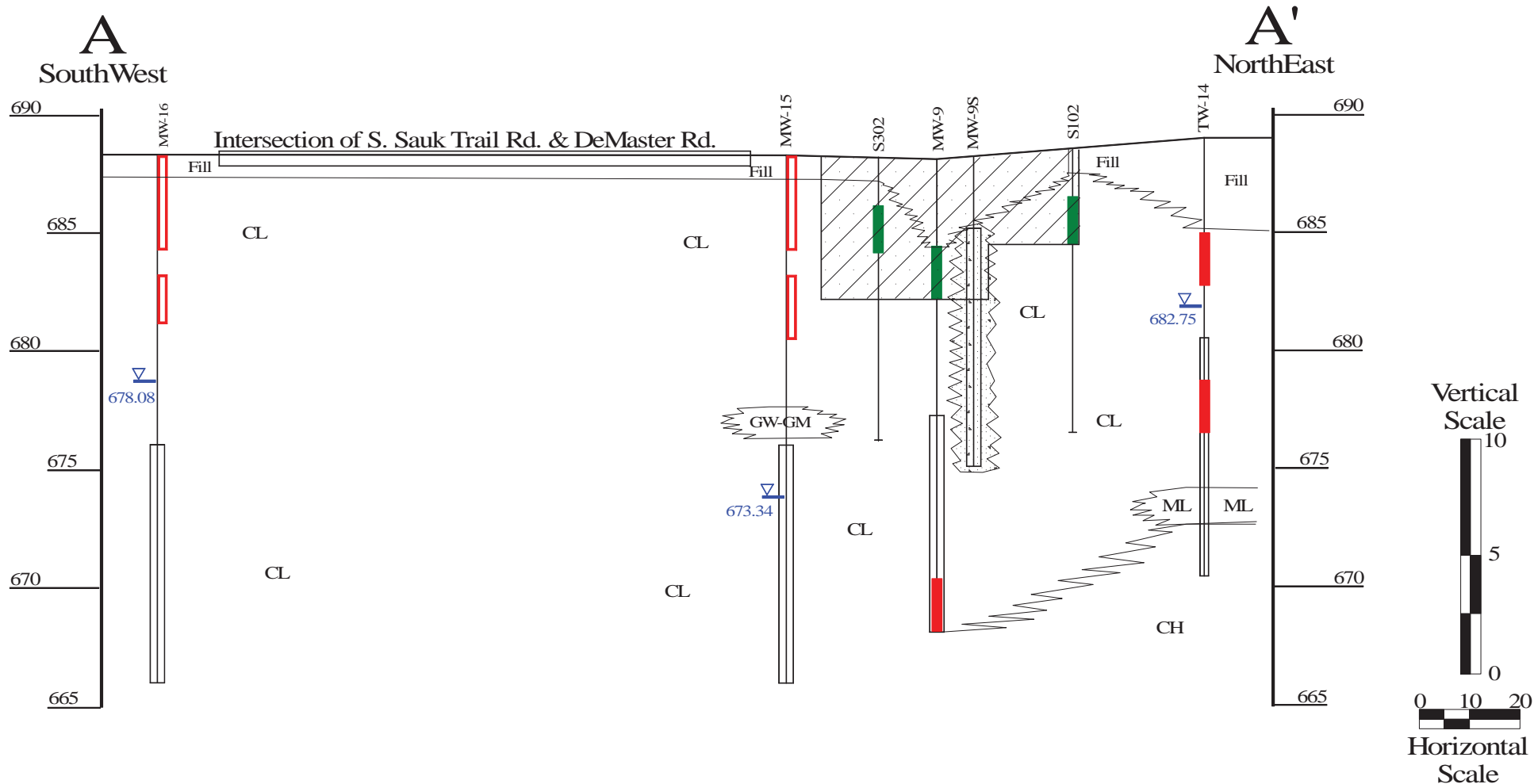


TITLE: Geologic Cross-Section Locations				FEHR GRAHAM ENGINEERING & ENVIRONMENTAL	
SITE: Richard A DeZoute Property 729 Sauk Trail Rd., Oostburg, WI 53070				DATE: 11/19/12	DWG #: O:Base Map-Kalina-14-1440.skf
FG PROJECT NUMBER: 14-1440 BRRTS #03-60-557729				APPVD	DRAWN BY: MKH
REV	DATE	DESCRIPTION:			FIGURE: B.3.a.I

A MW-16

B TW-18

B' MW-5



LEGEND

Stratigraphic Boundary (dashed where inferred)

Water Table March 2015

Road

Remedial Excavation Dec. 2014 Backfilled w/ clay, surface gravel

Peagravel Surrounding MW-9S Sump

Lithologic Units

Fill: Silty Sandy Gravel
 CL: Silty Clay (low plasticity)
 CH: Silty Clay (high plasticity)
 SP: Poorly Graded Sand
 OL: Organic Silty Clay
 ML: Silt
 GW-GM: Gravel w/ Silt

Monitoring Well w/ Screened Interval

Soil Sample Interval < RCL

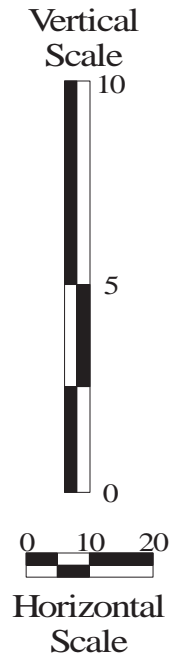
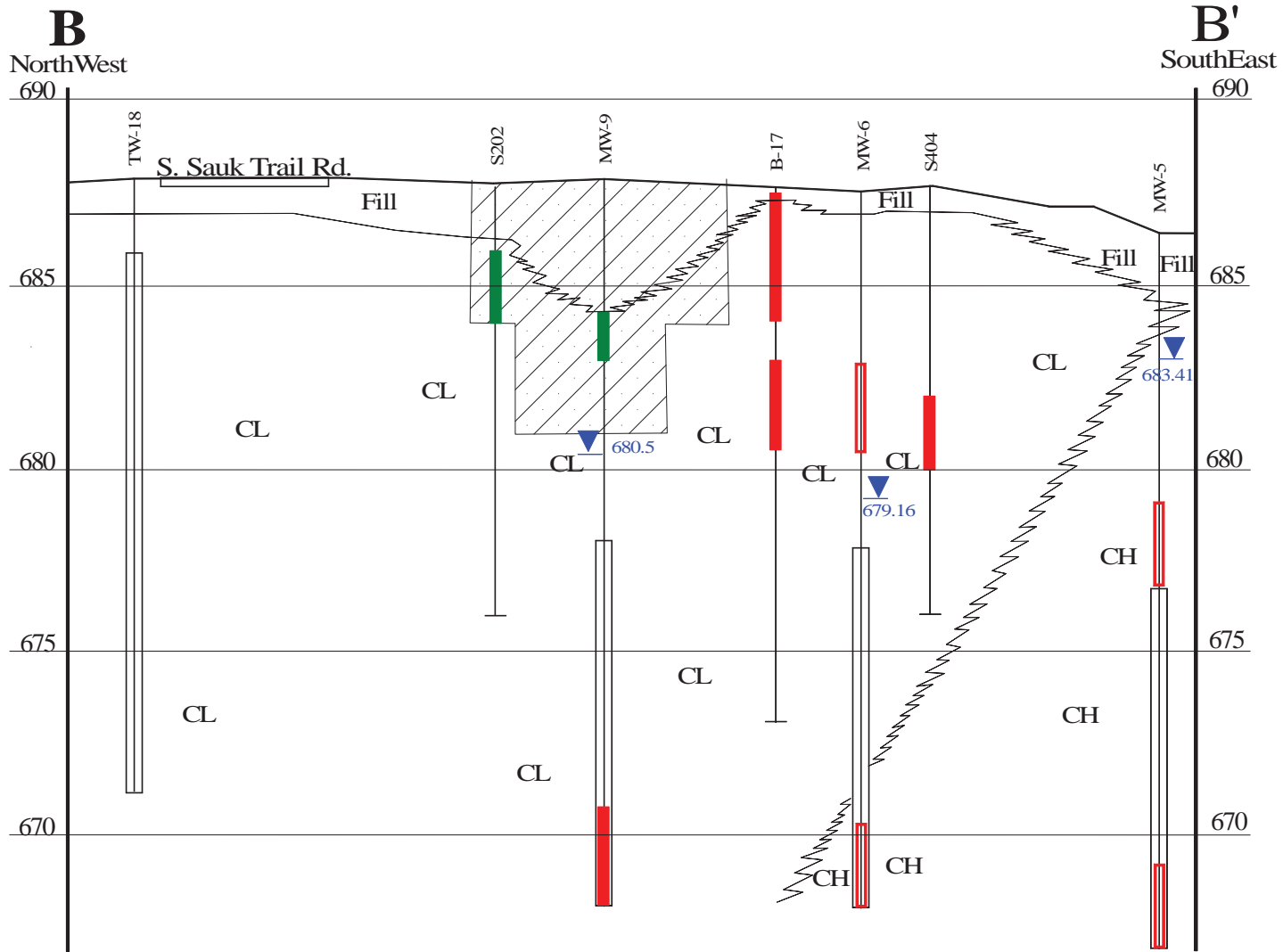
Soil Sample Interval > RCL

Removed Soil Sample Interval > RCL

Notes:

1. Elevation referenced to the North American Vertical Datum of 1988 (NAVD88) in feet above mean sea level (amsl)
2. For detailed lithologic descriptions and well construction details, see boring logs & well construction reports in Attachment E
3. Water table elevation averaged from March 2013 to April 2014
4. See Figure 1 for location of cross section

TITLE: Geologic Cross Section A-A'		FEHR GRAHAM ENGINEERING & ENVIRONMENTAL	
SITE: 729 Sauk Trail Rd., Oostburg, WI 53070		DATE: 11/19/12	DWG #: O:Base Map-Kalina-14-1440.skf
SCALE:	ATS PROJECT NUMBER: Kalina 14-1440	APPVD:	FIGURE: B.3.a.II
REV	DATE	DESCRIPTION:	DRAWN BY: MKH



LEGEND

- Stratigraphic Boundry (dashed where inferred)
 - Water Table
679.16
 - Road
 - Remedial Excavation Dec. 2014 Backfilled w/ clay, surface gravel
 - Monitoring Well w/ Screened Interval
 - Soil Sample Interval < RCL
 - Soil Sample Interval > RCL
 - Removed Soil Sample Interval > RCL
- Lithologic Units**
- Fill: Silty Sandy Gravel
 - CL: Silty Clay (low plasticity)
 - CH: Silty Clay (high plasticity)
 - SP: Poorly Graded Sand
 - OL: Organic Silty Clay
 - ML: Silt
 - GW-GM: Gravel w/ Silt

Notes:

1. Elevation referenced to the North American Vertical Datum of 1988 (NAVD88) in feet above mean sea level (amsl)
2. For detailed lithologic descriptions and well construction details, see boring logs & well construction reports in Attachment E
3. Water table elevation averaged from March 2013 to March 2015
4. See Figure 1 for location of cross section

TITLE: Geologic Cross Section B-B'				FEHR GRAHAM ENGINEERING & ENVIRONMENTAL	
SITE: 729 Sauk Trail Rd., Oostburg, WI 53070				DATE: 11/19/12	DWG #: F:Base Map-XSectbb-14.1440.skf
SCALE:	ATS PROJECT NUMBER: Kalina 14-1440			REV	DATE
DESCRIPTION:	APPVD	DRAWN BY: MKH	FIGURE: B.3.a.III		

LEGEND

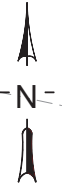
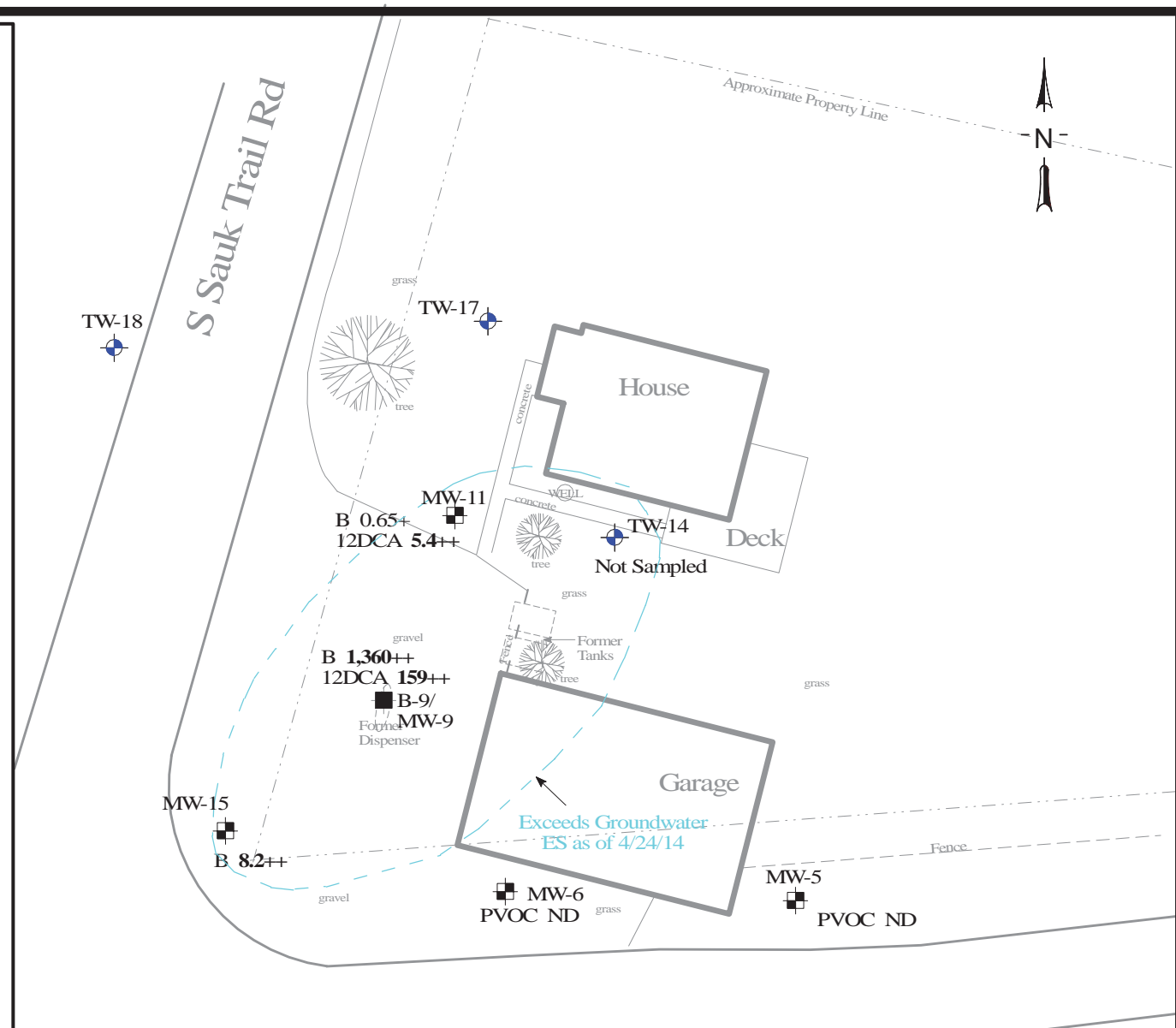
- MW-5  NR140 Monitoring Well
- MW-9  Abandoned NR140 Monitoring Well
- TW-14  Temp Well
-  Monitoring Well

Groundwater Chemistry (ug/L)


3/7/13 Sample Date

B Benzene
12DCA 1,2-Dichloroethane

+ Exceeds NR 140 Preventive Action Limit
++ Exceeds NR 140 Enforcement Standard
ND No Detect



SCALE = 1"=30'

TITLE:		Groundwater Chemistry April 24, 2014		 ENGINEERING & ENVIRONMENTAL	
SITE:		Richard A DeZoute Property 729 Sauk Trail Rd., Oostburg, WI 53070		DATE:	11/19/12
FG PROJECT NUMBER:		14-1440		DWG #:	F:\DeZoute\Rem OEX-GW Mon\Figures/ Base Map-Kalina-14-1440.skf
BRRTS #03-60-557729		REV	DATE	DESCRIPTION:	APPVD
				PRINTED: 11/18/15	
DRAWN BY:		MKH		FIGURE:	
				B.3.b.I	

PVOC ND

MW-16 

DeMaster Road

S Sauk Trail Rd

House

Approximate Property Line

Deck

Not Sampled

Former Tanks

Garage

Exceeds Groundwater
ES as of 4/24/14

Fence

MW-6
PVOC ND

MW-5
PVOC ND

MW-11
B 0.65+
12DCA 5.4++

MW-9
B 1,360++
12DCA 159++
Former
Dispenser

MW-15
B 8.2++

TW-18

TW-17

TW-14

LEGEND

- MW-5 NR140 Monitoring Well
- MW-9 Abandoned NR140 Monitoring Well
- TW-14 Temp Well
- MW-9S Sump
- December 2014 Excavation Limits
- Z=5-7' Excavation Depth

Groundwater Chemistry (ug/L)

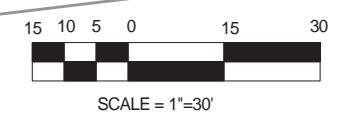
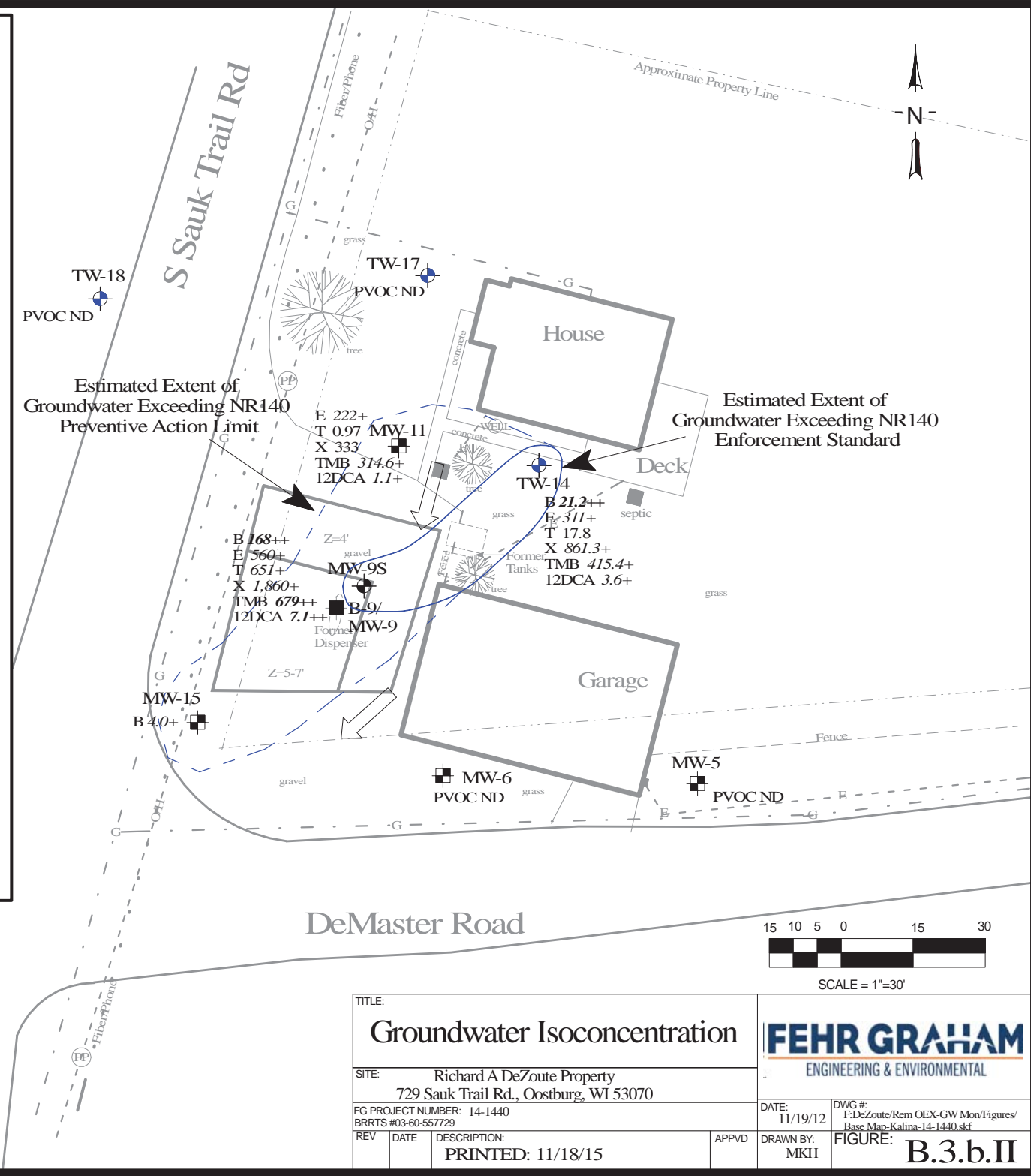
3/7/13 Sample Date

- B Benzene (ug/l)
- E Ethylbenzene (ug/l)
- T Toluene (ug/l)
- X Xylenes (ug/l)
- TMB 1,2,4-, 1,3,5-Trimethylbenzene (ug/l)
- 12DCA 1,2-Dichloroethane (ug/l)

- ITALICS+* Exceeds NR140 Preventive Action Limit
- BOLD++** Exceed NR140 Enforcement Standard
- ND No Detect

Groundwater Flow Direction 8/15/15

- Gas Line
- Fiber Optic Phone
- Electric Overhead Lines



TITLE: Groundwater Isoconcentration				FEHR GRAHAM ENGINEERING & ENVIRONMENTAL	
SITE: Richard A DeZoute Property 729 Sauk Trail Rd., Oostburg, WI 53070				DATE: 11/19/12	DWG #: F:DeZoute/Rem OEX-GW Mon/Figures/ Base Map-Kalina-14-1440.skf
FG PROJECT NUMBER: 14-1440 BRRTS #03-60-557729				APPVD	DRAWN BY: MKH
REV	DATE	DESCRIPTION: PRINTED: 11/18/15			FIGURE: B.3.b.II

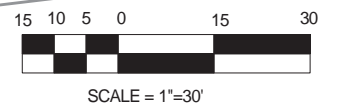
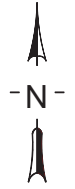
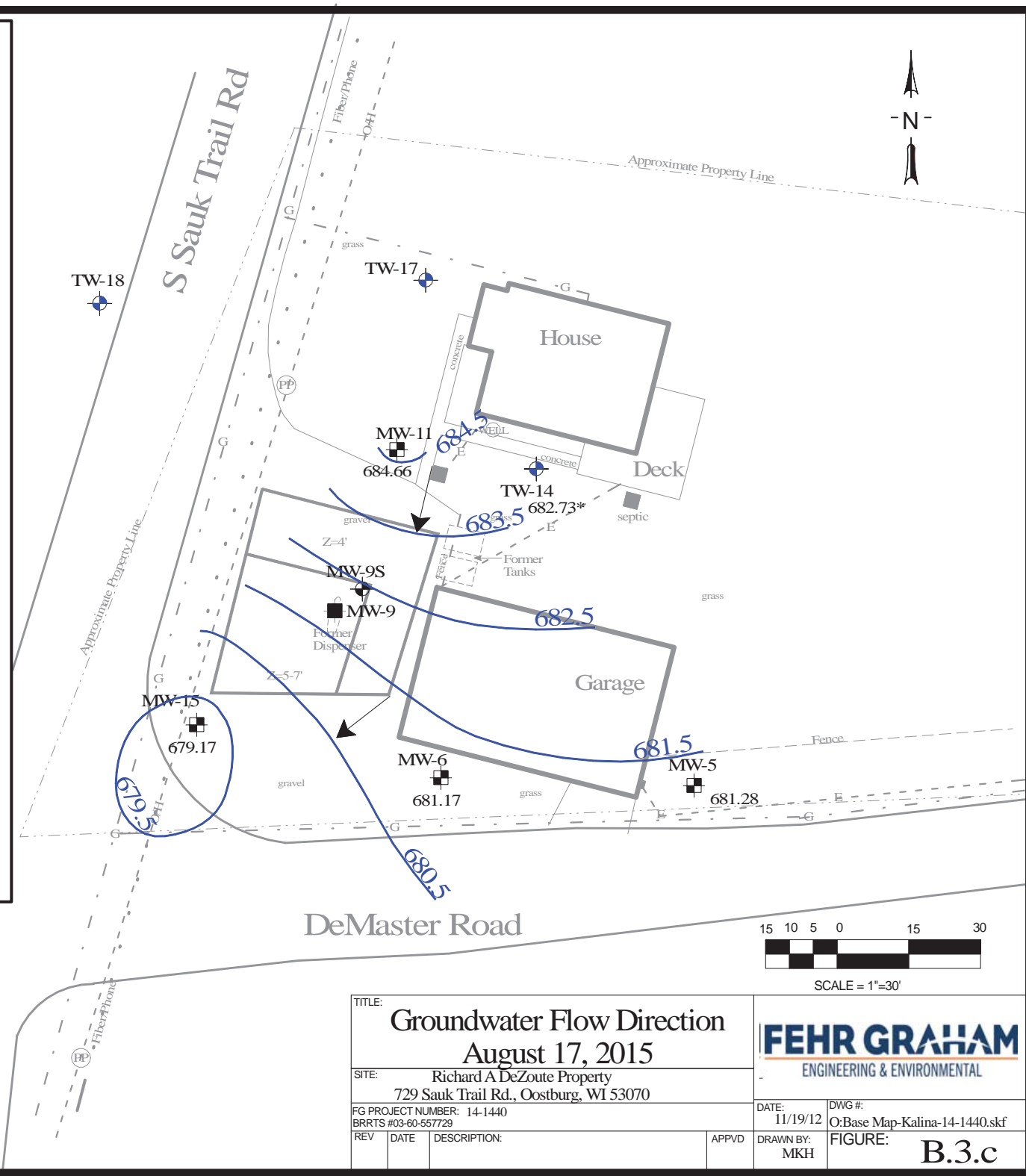
MW-16
PVOC ND

LEGEND

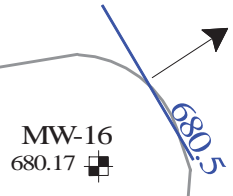
- MW-5 NR140 Monitoring Well
 - TW-14 Temp Well
 - MW-9 Abandoned NR140 Monitoring Well
 - MW-9S Sump
 - Groundwater flow direction
 - 681.34 Groundwater Elevation (ft/msl)
 - 682.75* Not used in contour
- Note: Wells MW-9S (sump), TW-17, TW-18 Not Surveyed

- December 2014 Excavation Limits
- Z=5-7' Excavation Depth





- Gas Line
- Fiber Optic Phone
- Electric Overhead Lines



TITLE: Groundwater Flow Direction August 17, 2015			 ENGINEERING & ENVIRONMENTAL	
SITE: Richard A DeZoute Property 729 Sauk Trail Rd., Oostburg, WI 53070			DATE: 11/19/12	
FG PROJECT NUMBER: 14-1440 BRRTS #03-60-557729			DWG #: O:Base Map-Kalina-14-1440.skf	
REV	DATE	DESCRIPTION:	APPVD	DRAWN BY: MKH
			FIGURE: B.3.c	



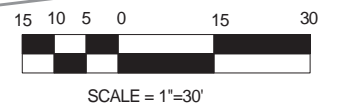
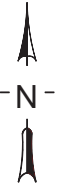
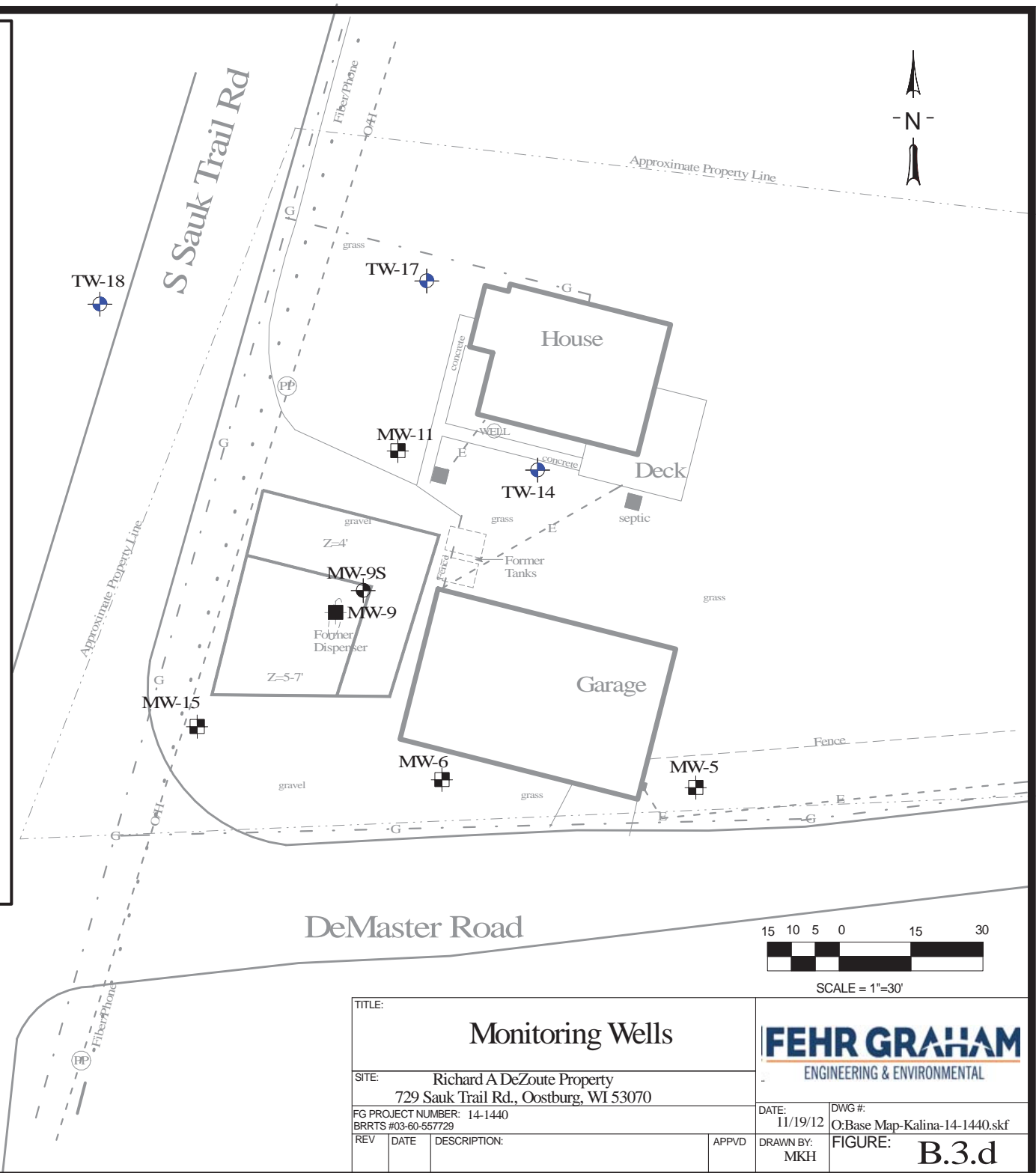
LEGEND

- MW-5  NR140 Monitoring Well
- TW-14  Temp Well
- MW-9  Abandoned NR140 Monitoring Well
- MW-9S  Sump

Monitoring Wells, Temp Wells, & Sump to be abandoned upon closure of site

 December 2014 Excavation Limits
 Z=5-7' Excavation Depth

 Gas Line  Fiber Optic Phone  Electric Overhead Lines



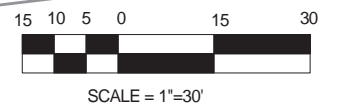
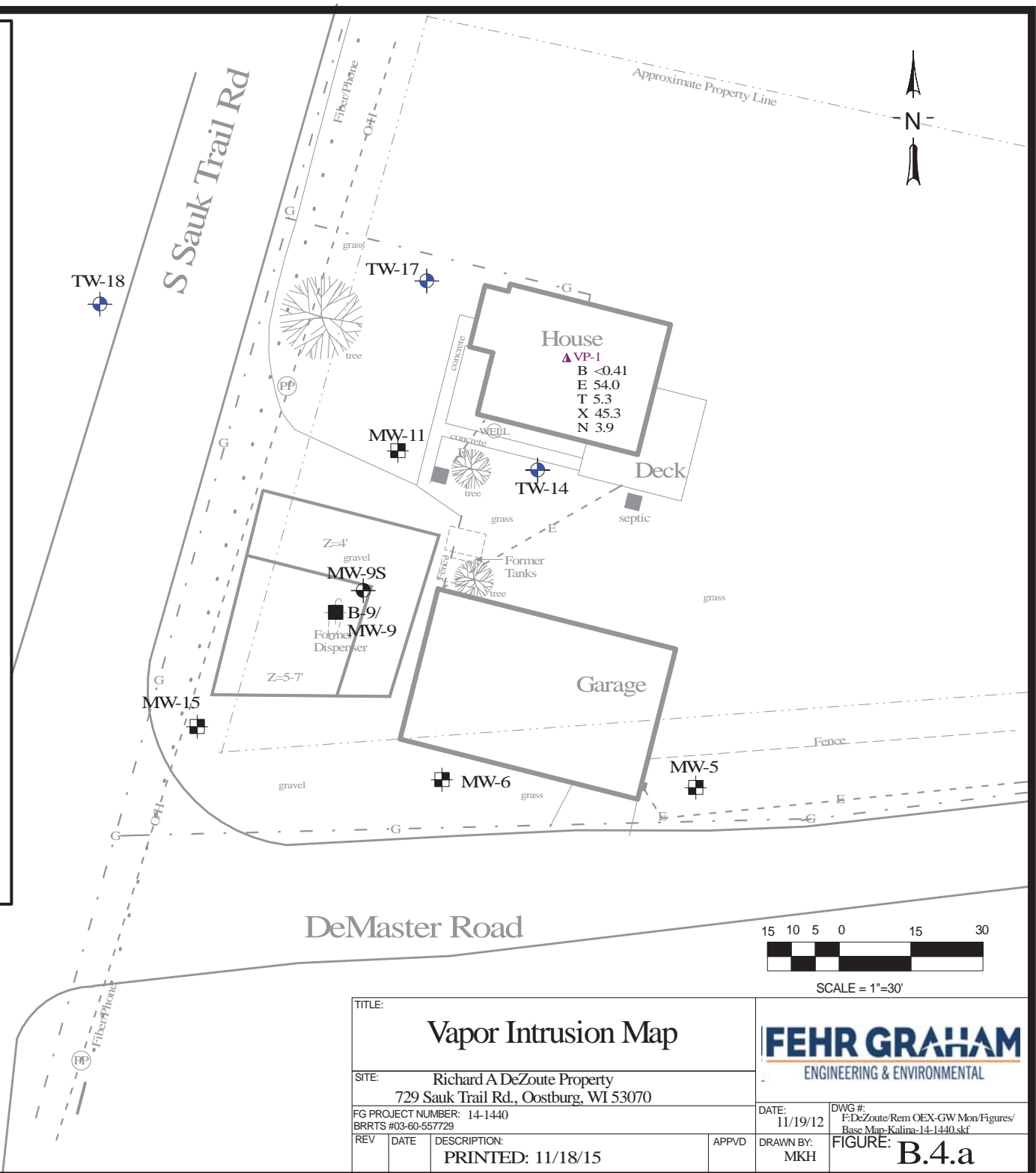
Monitoring Wells				FEHR GRAHAM ENGINEERING & ENVIRONMENTAL	
TITLE:				DATE: 11/19/12	
SITE: Richard A DeZoute Property 729 Sauk Trail Rd., Oostburg, WI 53070				DWG #: O:Base Map-Kalina-14-1440.skf	
FG PROJECT NUMBER: 14-1440 BRRTS #03-60-557729				DRAWN BY: MKH	
REV	DATE	DESCRIPTION:	APPVD	FIGURE: B.3.d	


MW-16 

LEGEND

- MW-5  NR140 Monitoring Well
- MW-9  Abandoned NR140 Monitoring Well
- VP-1  Vapor Point 11.22.13
- B Benzene (ug/mg3)
- E Ethanol (ug/mg3)
- T Toluene (ug/mg3)
- X Xylenes (m-,o-,&p-) (ug/mg3)
- N Napthalene (ug/mg3)
- TW-14  Temp Well
- MW-9S  Sump

-  December 2014 Excavation Limits
- Z=5-7' Excavation Depth
-  Gas Line
-  Fiber Optic Phone
-  Electric Overhead Lines



TITLE: Vapor Intrusion Map				 ENGINEERING & ENVIRONMENTAL	
SITE: Richard A DeZoute Property 729 Sauk Trail Rd., Oostburg, WI 53070					
FG PROJECT NUMBER: 14-1440 BRRTS #03-60-557729				DATE: 11/19/12	DWG #: F:\DeZoute\Rem OEX-GW Mon\Figures/ Base Map-Kalina-14-1440.skf
REV	DATE	DESCRIPTION: PRINTED: 11/18/15	APPVD	DRAWN BY: MKH	FIGURE: B.4.a

Documentation of Remedial Action (Attachment C)

DISCLAIMER

Documents contained in Attachment C of the Case Closure – GIS Registry (Form 4400-202) are not included in the electronic version (GIS Registry Packet) available on RR Sites Map to limit file size.

For information on how to obtain a copy or to review the file, please contact the Remediation & Redevelopment (RR) Environmental Program Associate (EPA) at <http://dnr.wi.gov/topic/Brownfields/Contact.html>



COVER / BARRIER MAINTENANCE PLAN

October 14, 2015

Property Located at:

Kalima, LLC
(Former "DEZOUTE RICHARD A PROPERTY")
729 S. Sauk Trail Road
Oostburg, WI 53070
Sheboygan County
SE ¼ of the SE ¼ of Section 06, T13N, R23E
BRRTS # 03-60-557729
WTM: X 698882; Y 351616

Parcel No: 59165719730

PRT SE SE, SEC 6, COM 746' W OF SE COR SD1/4, TH N 120', N78 DEG 23'08" W 260.31' TO CEN USH 141 (NOW SAUK TRAIL RD), S18 DEG 36'28" W 181.87' ON CEN SD HWY TO S LN SEC 6, TH E 313.04' TO BEG.

Introduction

This document is the Maintenance Plan for a cover/barrier which includes a grass vegetation cover, a gravel parking lot, and a 1,500 square foot garage building at the above-referenced property in accordance with the requirements of s. NR 724.13 (2), Wis. Adm. Code. The maintenance activities relate to the existing cover/barrier which addresses or occupies the area over the contaminated soil.

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

- The case file in the DNR Northeast Region (NER) office
- [BRRTS on the Web](#) (DNR's internet based data base of contaminated sites) for the link to a PDF for site-specific information at the time of closure and on continuing obligations;
- [RR Sites Map/GIS Registry layer](#) for a map view of the site, and
- The DNR project manager for Sheboygan County.

D.1. Descriptions:

Description of Contamination

Soil contaminated by petroleum is located at a depth of 2-4 feet at the southwestern portion of the property. Groundwater contaminated by petroleum is located at a depth of approximately 4.5-9-feet below grade. The extent of the soil and groundwater contamination is shown on the attached maps (Figure 1 and Figure 2).

Description of the Cover/Barrier to be Maintained

The Cover/Barrier consists of grass vegetation cover, a gravel parking lot, and a 1,500 square foot garage building. It is located on the northeast corner of S. Sauk Trail Road (729 S. Sauk Trail Road) and DeMaster Road in the Village of Oostburg, Wisconsin as shown on the attached Figure D.2.

Cover/Building/Slab/Barrier Purpose

The grass vegetation cover, gravel parking lot, and 1,500 square foot garage building over the contaminated soil serve as barriers to prevent direct human contact with residual soil contamination that might otherwise pose a threat to human health. The cover/barrier also acts as a partial infiltration barrier to minimize future soil-to-groundwater contamination migration that would violate the groundwater standards in ch. NR 140, Wisconsin Administrative Code. Based on the current use of the property, residential, the barrier should function as intended unless disturbed.

Annual Inspection

The grass vegetation cover, gravel parking lot, and 1,500 square foot garage building overlying the contaminated soil and as depicted in Figure D.2 will be inspected once a year, normally in the spring after all snow and ice is gone, for deterioration, cracks and other potential problems that can cause additional infiltration into or exposure to underlying soils. The inspections will be performed by the property owner or their designated representative. The inspections will be performed to evaluate damage due to settling, exposure to the weather, wear from traffic, increasing age and other factors. Any area where soils have become or are likely to become exposed and where infiltration from the surface will not be effectively minimized will be documented.

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

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

The property owner, in order to maintain the integrity of the cover/barrier, will maintain a copy of this Maintenance Plan at the site; or, if there is no acceptable place to keep it at the site (for example, no building is present), at the address of the property owner and make it available to all interested parties (i.e. on-site employees, contractors, future property owners, etc.) for viewing.

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

The following activities are prohibited on any portion of the property where pavement, a building foundation, soil cover, or other barrier is required as shown on the attached map, unless prior written approval has been obtained from the Wisconsin Department of Natural Resources: 1) removal of the existing barrier; 2) replacement with another barrier; 3) excavating or grading of the land surface; 4) filling on capped or paved areas; 5) plowing for agricultural cultivation; 6) construction or placement of a building or other structure; or 7) changing the use or occupancy of the property to single-family residential use.

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

Amendment or Withdrawal of Maintenance Plan

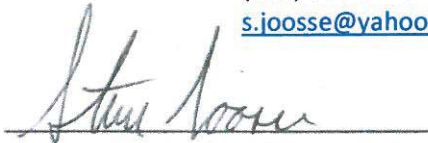
This Maintenance Plan can be amended or withdrawn by the property owner and its successors with the written approval of DNR.

Contact Information

October 2015

Site Owner and Operator: Mr. Steve Joosse
Kalima, LLC
W1897 DeMaster Road
Oostburg, WI 53070-1508
(920) 980-5448
s.joosse@yahoo.com

Signature:



Consultant: Fehr Graham
1237 Pilgrim Road
Plymouth, WI 53073
(920) 892-2444

DNR: Tom Verstegen
OSHKOSH SERVICE CENTER
625 E County Road Y, Suite 700
Oshkosh, WI 54901
(920) 424-0025

D.2 Location Map(s)

Figure 1: Residual Soil Contamination
Figure 2: Groundwater Isoconcentration
Figure 3: Site Location Map

D.3 Photographs of Cover/Barrier

D.4 Continuing Obligations Inspection and Maintenance Log

Use DNR Fillable Form [Form 4400-305](#)

LEGEND

B-1 ● Soil Boring

MW-9S  Sump

SE-5 X Dec. 2014 Excavation Sample

 December 2014 Excavation Limits


Z=5-7' Excavation Depth

EN-3 Sample ID
 12/1/14 Sample Date
 0-4' Sample Depth
 B Benzene (ug/kg)
 E Ethylbenzene (ug/kg)
 T Toluene (ug/kg)
 X Xylenes, total (ug/kg)
 N Naphthalene (ug/kg)
 MTBE Methyl-Tert-Butyl-Ether (ug/kg)
 124- 1,2,4-Trimethylbenzene (ug/kg)
 135- 1,3,5-Trimethylbenzene (ug/kg)

ITALICS+ Exceeds Groundwater Pathway RCL
BOLD++ Exceeds Direct Contact (0-4') RCL

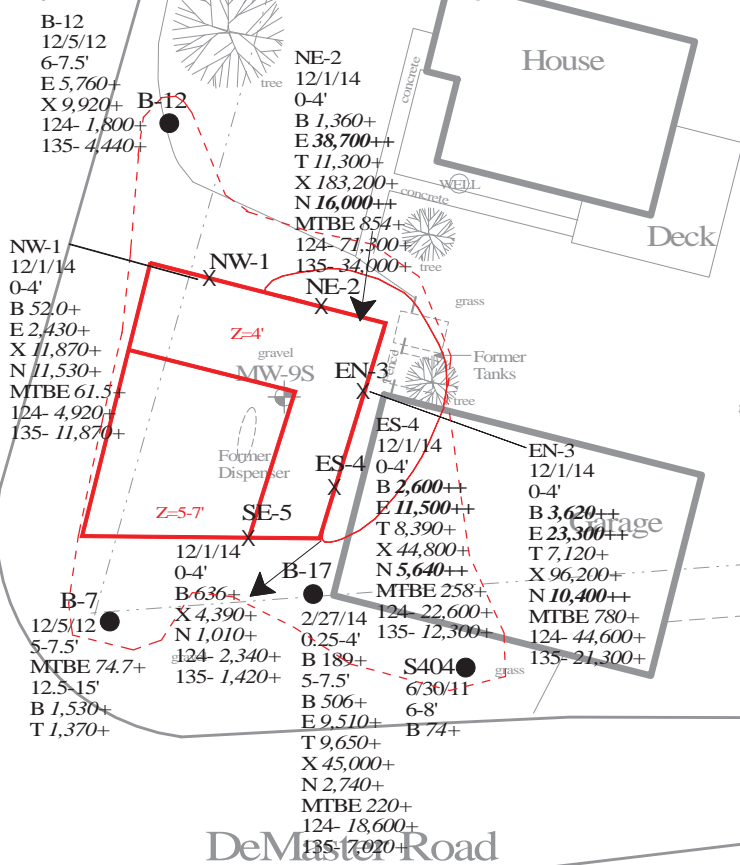
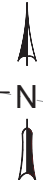
 Estimated Extent of VOC Contaminated Soil Exceeding Direct Contact RCL

 Estimated Extent of VOC Contaminated Soil Exceeding Groundwater Pathway RCL


 Groundwater Flow Direction 8/15/15

S Sauk Trail Rd

Approximate Property Line



SCALE = 1"=30'

TITLE: Residual Soil Contamination					
SITE: Richard A DeZoute Property 729 Sauk Trail Rd., Oostburg, WI 53070					
FG PROJECT NUMBER: 14-1440 BRRTS #03-60-557729				DATE: 11/19/12	DWG #: F:\DeZoute\Rem OEX-GW Mon\Figures\Base Map-Kalina-14-1114.skf
REV	DATE	DESCRIPTION:	APPVD	DRAWN BY: MKH	FIGURE: 1
PRINTED: 12/9/15					

LEGEND

- MW-5 NR140 Monitoring Well
- MW-9 Abandoned NR140 Monitoring Well
- TW-14 Temp Well
- MW-9S Sump

□ December 2014 Excavation Limits

Z=5-7' Excavation Depth

Groundwater Chemistry (ug/L)

3/7/13 Sample Date

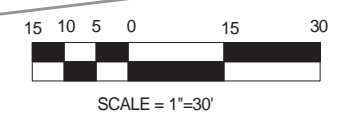
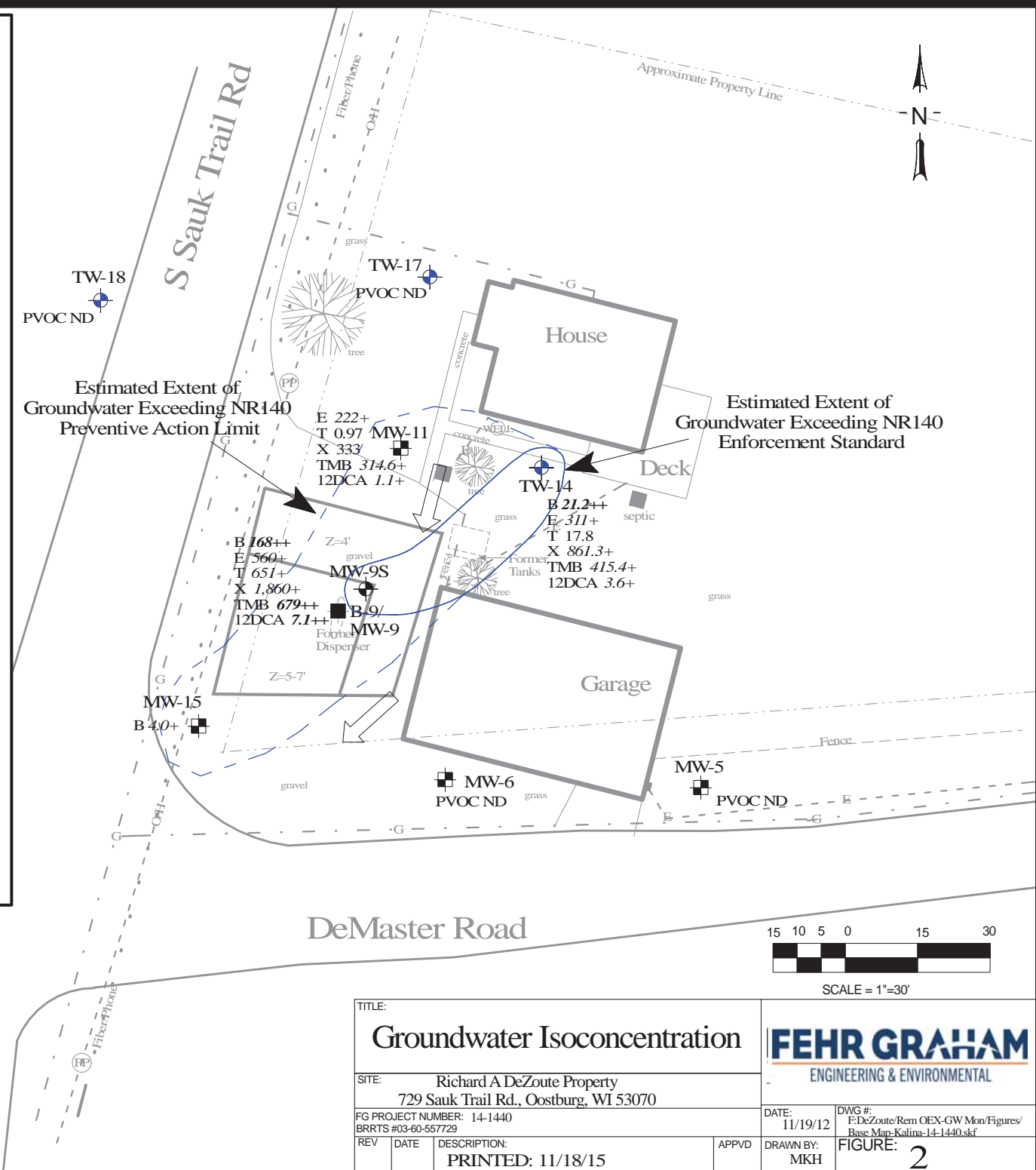
- B Benzene (ug/l)
- E Ethylbenzene (ug/l)
- T Toluene (ug/l)
- X Xylenes (ug/l)
- TMB 1,2,4-, 1,3,5-Trimethylbenzene (ug/l)
- 12DCA 1,2-Dichloroethane (ug/l)

ITALICS+ Exceeds NR140 Preventive Action Limit
BOLD++ Exceed NR140 Enforcement Standard
 ND No Detect



Groundwater Flow Direction 8/15/15







- Gas Line
- Fiber Optic Phone
- Electric Overhead Lines



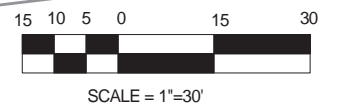
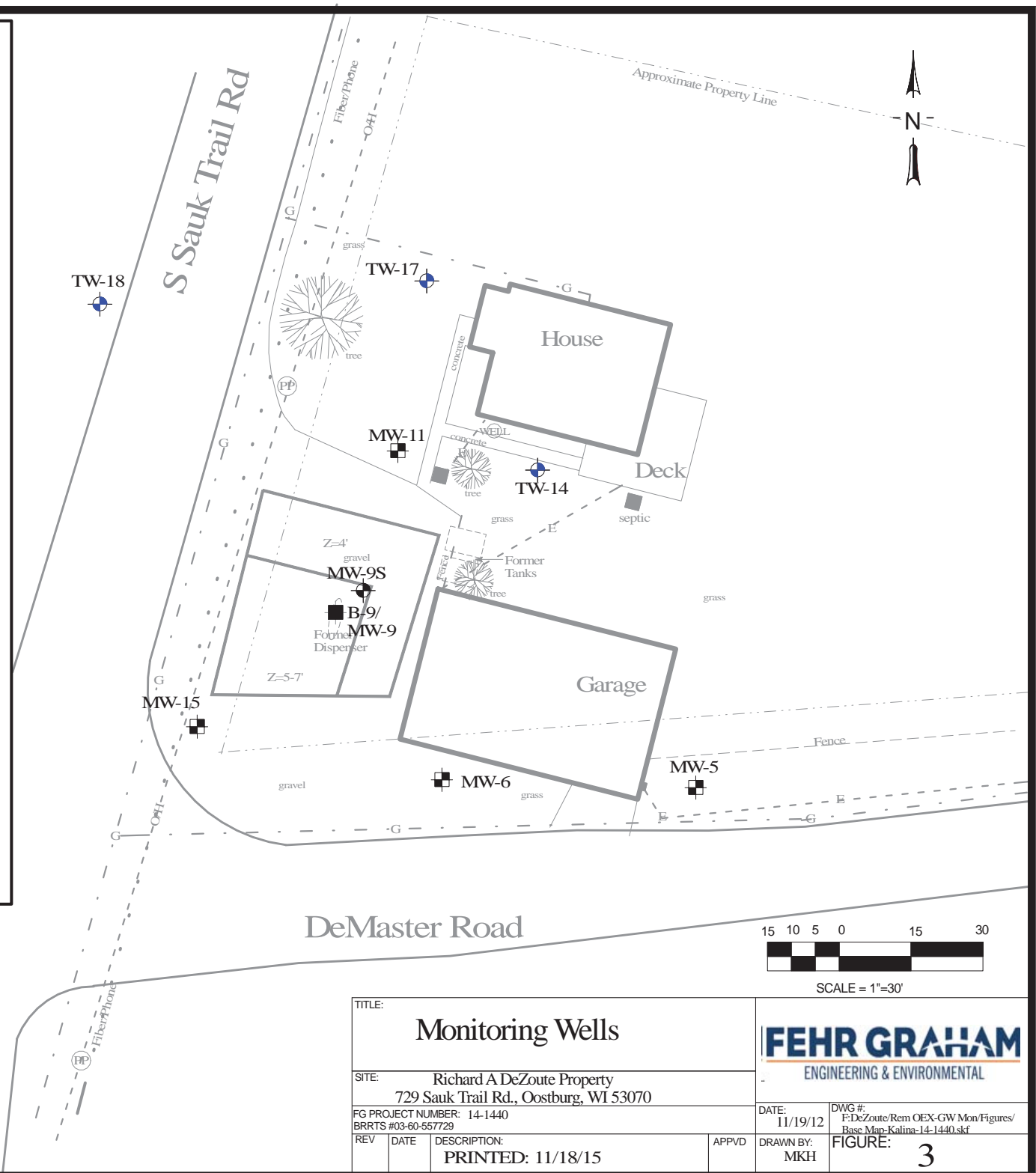
TITLE: Groundwater Isoconcentration			 ENGINEERING & ENVIRONMENTAL	
SITE: Richard A DeZoute Property 729 Sauk Trail Rd., Oostburg, WI 53070			DATE: 11/19/12	DWG #: F:DeZoute/Rem OEX-GW Mon/Figures/ Base Map-Kalina-14-1440.skf
FG PROJECT NUMBER: 14-1440 BRRTS #03-60-557729			APPVD	DRAWN BY: MKH
REV	DATE	DESCRIPTION: PRINTED: 11/18/15	FIGURE: 2	


MW-16
PVOC ND

LEGEND

- MW-5  NR140 Monitoring Well
- MW-9  Abandoned NR140 Monitoring Well
-  December 2014 Excavation Limits
- Z=5-7'  Excavation Depth
- TW-14  Temp Well
- MW-9S  Sump

-  Gas Line
-  Fiber Optic Phone
-  Electric Overhead Lines



TITLE: Monitoring Wells				 ENGINEERING & ENVIRONMENTAL	
SITE: Richard A DeZoute Property 729 Sauk Trail Rd., Oostburg, WI 53070					
FG PROJECT NUMBER: 14-1440 BRRTS #03-60-557729				DATE: 11/19/12	DWG #: F:\DeZoute\Rem OEX-GW Mon\Figures/ Base Map-Kalina-14-1440.skf
REV	DATE	DESCRIPTION: PRINTED: 11/18/15	APPVD	DRAWN BY: MKH	FIGURE: 3

LEGEND

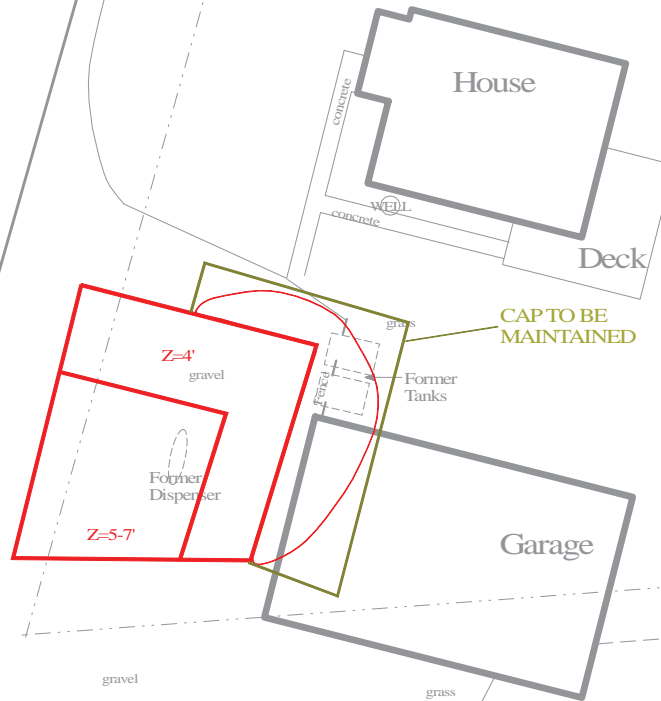
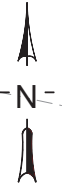
 December 2014 Excavation Limits

Z=5-7' Excavation Depth

 Estimated Extent of VOC Contaminated Soil Exceeding Direct Contact RCL

S Sauk Trail Rd


Approximate Property Line



DeMaster Road



SCALE = 1"=30'

TITLE: Cap Location Map					
SITE: Richard A DeZoute Property 729 Sauk Trail Rd., Oostburg, WI 53070				DATE: 11/19/12	
FG PROJECT NUMBER: 14-1440 BRTS #03-60-557729				DWG #: F:\DeZoute\Rem OEX-GW Mon\Figures/ Base Map-Kalina-14-1114.skf	
REV	DATE	DESCRIPTION:	APPVD	DRAWN BY:	FIGURE:
		PRINTED: 4/12/16		MKH	D.2

BRRTS # 03-60-557729
PECFA # 53070-1580-29

Kalima, LLC - Former "DEZOUTE RICHARD A PROPERTY")
Oostburg, WI



Corner Sauk Trail & DeMaster facing North; Gravel Cap & Garage



Close-Up Cap

BRRTS # 03-60-557729
PECFA # 53070-1580-29

Kalima, LLC - Former "DEZOUTE RICHARD A PROPERTY")
Oostburg, WI



Area of TW-14 facing West



Grass Cap (TW-14) facing Southwest; Garage

BRRTS # 03-60-557729
PECFA # 53070-1580-29

Kalima, LLC - Former "DEZOUTE RICHARD A PROPERTY")
Oostburg, WI



Grass Cap (TW-17); facing Northeast



Grass & Gravel Cap (MW-11); facing East



MW-5; facing East



MW-6 & MW-16 (far left) facing West

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 DEZOUTE RICHARD A PROPERTY	BRRTS No. 03-60-557729
-----------------------------------------------------------	----------------------------------

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):

Thomas.Verstegen@wisconsin.gov

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

{Click to Add/Edit Image}

Date added: 10/13/2015



Title: Cap to be maintained, looking North from DeMaster Road

{Click to Add/Edit Image}

Date added:



Title:

Attachment E: Monitoring Wells

Documentation of Monitoring Well abandonment of the attached monitoring wells will be provided to WDNR Project Manager upon conditional closure of the site. Groundwater monitoring well MW-9 was properly abandoned on December 1, 2014 prior to remedial excavation activities and replaced with a 2-inch PVC sump (MW-9S). Documentation of included herein.

Monitoring Well Logs are in Case File.

Attachment F: Source Legal Documents

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



8 2 9 0 2 7 5

Tx:4076263

1986899

SHEBOYGAN COUNTY, WI

RECORDED ON

06/02/2014 11:35 AM

ELLEN R. SCHLEICHER

REGISTER OF DEEDS

RECORDING FEE: 30.00

TRANSFER FEE: 90.00

EXEMPTION #

Cashier ID: 9

PAGES: 1

State Bar of Wisconsin Form 2-2003

WARRANTY DEED

Document Number

THIS DEED, made between Richard A. DeZoute, a single person, ("Grantor," whether one or more), and Kalima LLC, a Wisconsin limited liability company ("Grantee," whether one or more).

Grantor, for a valuable consideration, conveys and warrants to Grantee the following described real estate, together with the rents, profits, fixtures and other appurtenant interests, in Sheboygan County, State of Wisconsin ("Property"):

Tract 1 of a Certified Survey Map recorded in Volume 1 of Certified Survey Maps, on pages 121/2 as Document No. 922111, being part of the SE1/4 of the SE1/4 of Section 6, Township 13 North, Range 23 East, Village of Oostburg, Sheboygan County, Wisconsin.

Recording Area

Name and Return Address

Steven Joosse
W1897 DeMaster Rd.
Oostburg WI 53070

Exceptions to warranties: Easements and restrictions of record.

Parcel Number: 59165-719730

Dated this 30th day of May, 2014.

This is homestead property.

Richard A. DeZoute (SEAL)

AUTHENTICATION

ACKNOWLEDGMENT

Signature of Richard A. DeZoute authenticated on _____, 2014.

STATE OF WISCONSIN)
) ss.
SHEBOYGAN COUNTY)

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

Personally came before me on May 30, 2014, the above-named Richard A. DeZoute, to me known to be the person who executed the foregoing instrument and acknowledged the same.

THIS INSTRUMENT DRAFTED BY:
Ronald W. Damp, Attorney

Daniel J. Wynne
Notary Public, State of Wisconsin
My Commission expires: Feb 8, 2015

* Type name below signatures.

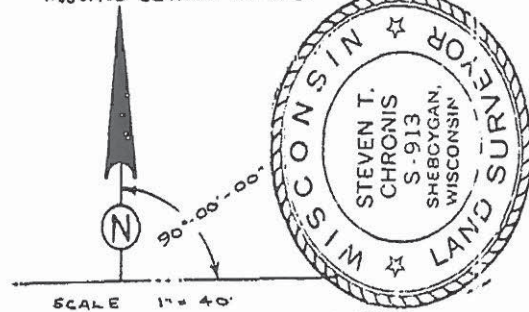
(Signatures may be authenticated or acknowledged. Both are not necessary.)

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

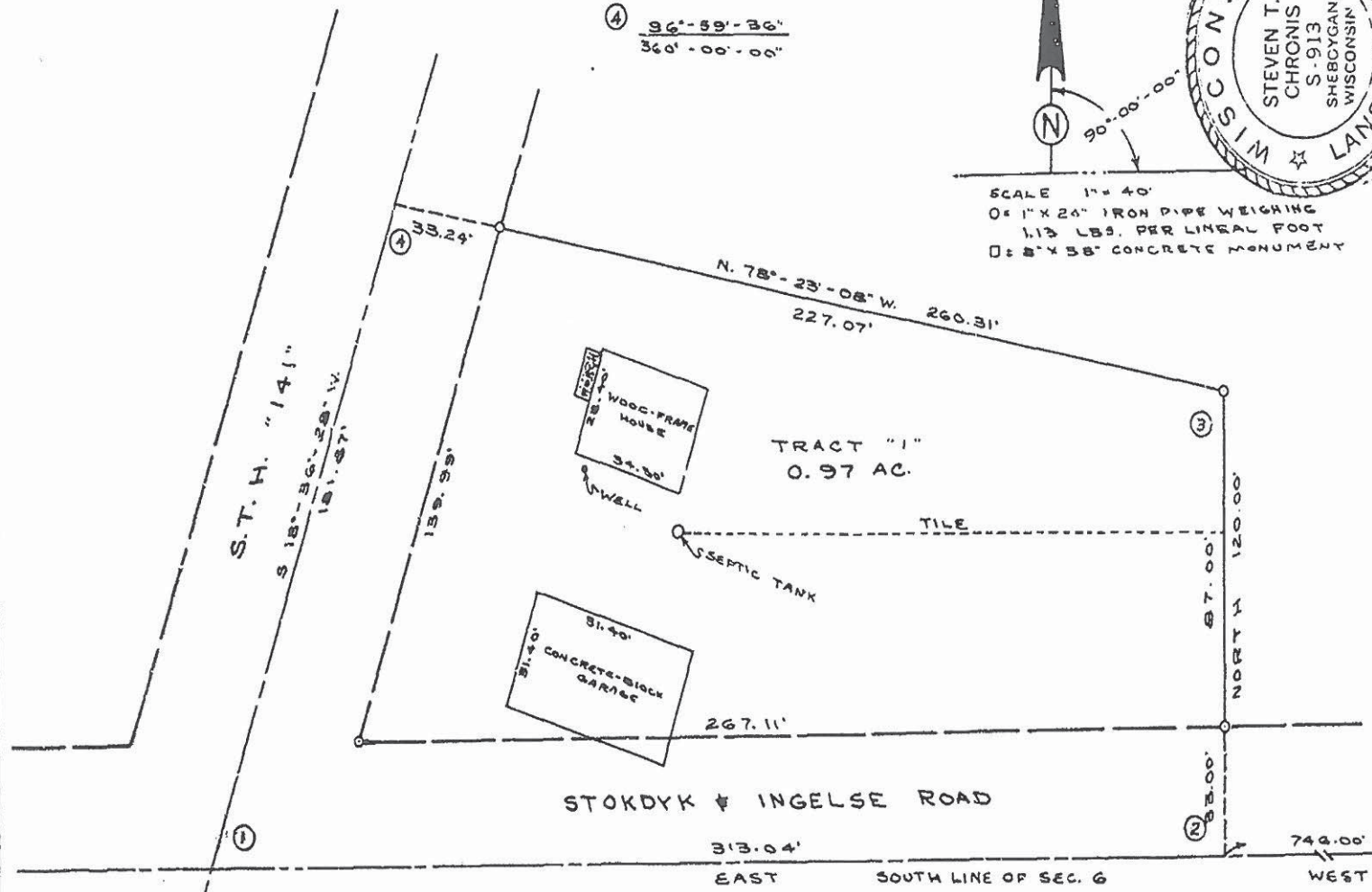
INTERIOR ANGLES

- ① 71°-23'-32"
- ② 90°-00'-00"
- ③ 101°-36'-52"
- ④ $\frac{96^{\circ}-59'-36''}{360^{\circ}-00'-00''}$

BEARING REFERENCED TO THE SOUTH LINE
OF THE S.E. 1/4 OF SEC. 6, T.13 N., R. 23 E.
ASSUMED BEARING OF EAST



SCALE 1" = 40'
 ○ = 1" X 24" IRON PIPE WEIGHING
 1.13 LBS. PER LINEAL FOOT
 □ = 2' X 55" CONCRETE MONUMENT



S.E. CORNER OF
SEC. 6, T.13 N., R. 23 E.

DONOHUE & ASSOCIATES, INC.
ENGINEERS & SURVEYORS
P.O. BOX 489 - SHEBOYGAN, WISC.

Steven T. Chronis
WIS. REGISTERED LAND SURVEYOR S-913

Matt Dahlem

From: Jill Ludens <Jill.Ludens@oostburg.org>
Sent: Thursday, October 08, 2015 1:01 PM
To: Matt Dahlem
Subject: RE: site zoning

R-1. Residential (along road) The back part of that lot is actually part of the Business park – so BPD. When that section was annexed to the village, the property along the road (150' deep) was all zoned R-1. The back part of that lot is zoned BPD according to the zoning map.

Jill E. Ludens
Clerk/Treasurer
Village of Oostburg
P. O. Box 700227
Oostburg, WI 53070
920-564-3214
jill.ludens@oostburg.org

From: Matt Dahlem [<mailto:mdahlem@fehr-graham.com>]
Sent: Thursday, October 08, 2015 12:49 PM
To: Jill Ludens
Subject: site zoning

Hey Jill, I have a site at 729 S. Sauk Trail Road in Oostburg. Can you tell me what that property is zoned (industrial, commercial, residential) with any supporting documentation?

Thanks much!!

Matt

MATT DAHLEM, P.G. | Senior Project Hydrogeologist
Fehr Graham - Engineering & Environmental

1237 Pilgrim Road
Plymouth, Wisconsin 53073
P: 920.892.2444
F: 920.892.2620
www.fehr-graham.com

October 13, 2015

As the responsible party for the soil contamination at Kalima, LLC (Former "DEZOUTE RICHARD A PROPERTY") located at 729 S. Sauk Trail Road in Oostburg, WI 53070, I believe that the legal description provided below describes the correct contaminated property.

Parcel No: 59165719730

PRT SE SE, SEC 6, COM 746'W OF SE COR SD1/4, TH N 120', N78 DEG 23'08"W 260.31' TO CEN USH 141 (NOW SAUK TRAIL RD), S18 DEG 36'28"W 181.87' ON CEN SD HWY TO S LN SEC 6, TH E 313.04' TO BEG.



Steve Joosse

Kalima, LLC

W1897 DeMaster Road

Oostburg, WI 53070-1508

Attachment G: Notification to Owners of Affected Offsite Properties

Forms:

Notification of Continuing Obligations and Residual Contamination Form 4400-286

Maps:

Figure B.2.b: Soil Isoconcentration Map

Factsheets:

RR 819, Continuing Obligations for Environmental Protection

Notice: Pursuant to s. 292.12(4), Wis. Stats., written notification of parties affected by residual contamination is required. Pursuant to ch. NR 725, Wis. Adm. Code, this form is required to be completed for those sites meeting the criteria in s. NR 725.05 (see below), by a responsible party seeking case closure approval pursuant to ch. NR 726, Wis. Adm. Code or by those persons seeking a remedial action plan approval pursuant to ch. NR 722, Wis. Adm. Code, or by local government units or economic development corporations that are required to take an action pursuant to ch. NR 708, Wis. Adm. Code, when the Department of Natural Resources (DNR) determines that notification is necessary. Personally identifiable information collected will be used for program administration and may be provided to requesters to the extent required by Wisconsin's Open Records law (ss. 19.31-19.39, Wis. Stats.). (Unless otherwise noted, citations refer to Wis. Adm. Code.)

Note: A copy of each completed form must also be submitted to the WI Department of Natural Resources, in accordance with s. NR 726.09 (3), Wis. Adm. Code.

Directions:

1. Include the first page of this form, **Contact Information**, as an attachment with all notifications sent using Sections A and B. (*Filling out the Contact Information page allows for automatic entry of the contact information within the letter.*)
2. To notify affected parties about residual contamination and continuing obligations, use the appropriate section (A, B or C), based on the type of property to which the required notification is to be sent, per s. NR 725.05 and 725.07, Wis. Adm. Code:
 - Section A: Deeded Properties**
 - Section B: Right-of-Way (ROW) - non-Department of Transportation**
 - Section C: Department of Transportation (DOT) ROW**
3. Select and use the applicable paragraphs, based on the types of residual contamination and continuing obligations for the specific property. For the "Residual Contamination" and "Continuing Obligations on Your Property" sections, the applicable language will appear upon selection of the checkboxes.
4. Include the information requested within each paragraph. If requesting remedial action plan approval, or if the Department has directed a local governmental unit to take an action at a site, modify the language regarding a "closure request" to reflect the appropriate situation ("remedial action plan approval" or a "liability clarification letter").
5. Once completed, print the form for mailing.
6. Under s. NR 725.07, Wis. Adm. Code, notification letters under section A and B are required to be sent via certified mail, return receipt requested, or priority mail with signature confirmation. If the notifications are sent via priority mail with signature confirmation, you may use the signature waiver option if you have reason to believe that the owner of the property or other recipient may refuse to sign for the notification.

Situations for Which Notifications are Required:

Under s. NR 725.07, Wis. Adm. Code, notification is required for the following situations:

- groundwater contamination that attains or exceeds applicable standards remains upon completion of the remedial action
- soil contamination that attains or exceeds applicable standards remains upon completion of the remedial action,
- one or more monitoring wells have not been located for abandonment (fill and seal), or
- one or more monitoring wells will be kept for future monitoring,
Do not use this option if the well/s are to be transferred to another site for continued monitoring. That will be addressed in the final closure letter, upon documentation that responsibility for the well/s has been accepted by the responsible party for the other site.
- a cover (which may include soil covers, pavement, engineered cover, foundations) was used to address exposure by either direct contact or the groundwater pathway,
- a structural impediment (generally a building or other type of structure) prevented completion of a site investigation or remedial action. *This may also apply to site-specific situations which prevent a complete investigation or cleanup, such as an overhead power lines. Contact the agency with administrative authority first for site-specific situations.*
- soil contamination has only been cleaned up to industrial residual contaminant levels, and the property's land use has been classified as industrial under ch. NR 720,
- (vapor) the continued operation of a vapor mitigation system is necessary in order to limit or prevent vapor intrusion. *Notification is provided to the current property owner when that person is not the responsible party conducting the cleanup, and to any other property owners when sub-slab vapor risk screening levels are exceeded, and the operation and maintenance of a vapor mitigation system is necessary in order to limit or prevent vapor intrusion.*

- (vapor) vapor inhalation exposure assumptions for a non-residential setting will be applied for closure.
Notification is provided to the current property owner when that person is not the responsible party conducting the cleanup, and to any other property owner where residential vapor action levels are exceeded, including at properties used for commercial or industrial purposes.
- (vapor) contamination in soil or groundwater from volatile compounds remains after completion of the remedial action, that could lead to vapor intrusion upon new construction, reconstruction or occupation of an existing building.
This is especially important in cases where elevated residual soil concentrations or large volumes of soil contaminated with volatile compounds remain. Notification is provided to the current property owner when that person is not the responsible party conducting the cleanup, and to any other property owner where vapors may pose a health issue if buildings are to be constructed in the future, or if other land use changes or actions could result in a completed vapor pathway. This includes expansion or reconstruction of existing buildings.

The Department may also require a condition based on site-specific circumstances. In this case, consult with the project manager to determine what specific information to include in the notification of any affected property owner or right-of-way holder. *This has been used in limited situations where actions such as methane monitoring or fencing were required.*

Parties Receiving Notifications:

Under s. NR 725.05, Wis. Adm. Code, notification must be provided to:

- the owner of each property within or partially within the contaminated site or facility boundaries, other than properties owned by the responsible party,
- occupants of affected properties, as appropriate, *(consult with the project manager if you have questions)*
- the clerk of the county, town, village or city in which an affected public street or highway ROW is located, and municipal department or state agency that is responsible for the maintaining the public street or highway,
- the railroad that maintains the railroad right of way, and
- the owner of each property where a monitoring well will remain, for future abandonment or continued monitoring.

A summary of the notifications sent is to be provided in the case closure request form (4400-202). The attachment for "Notifications to Owners of Affected Properties", in Form 4400-202 includes a summary table of all notifications sent to all property owners or occupants of affected properties and to holders of affected ROWs, a copy of each letter sent, and a proof of receipt for each letter.

Note: A response to a closure request cannot be provided until at least 30 days after this notification letter has been sent. Documentation that this letter has been sent must be provided to the agency with administrative authority for an approval or decision under ch. NR 726, Wis. Adm. Code.

List of Potential Attachments:

(list all attachments to be included; include name of attachment and figure numbers)

Maps

Section A

Monitoring Well Location Map - (Filling & Sealing, Continue Sampling of Wells)
Location of Cover in relation to the extent of contamination (Maintenance of a Cover)

Section B

Monitoring Well Location Map - (Filling & Sealing, Continue Sampling of Wells)

Section C:

Groundwater Isoconcentration Map
Soil Isoconcentration Map

Maintenance plan

Section A

Maintenance of Plan - (Maintenance of a cover, Barrier, and/or Vapor Mitigation System)

Factsheets:

Section A

RR 819, Continuing Obligations for Environmental Protection
RR 671, What Landowners Should Know: Information About Using Natural Attenuation to Clean Up Contaminated Groundwater
RR 892, Vapor Intrusion: What to Expect if Vapor Intrusion from Soil and Groundwater Contamination Exist on My Property

Section B

Groundwater RR 892, Vapor Intrusion: What to Expect if Vapor Intrusion from Soil and Groundwater Contamination Exist on My Property

The affected property is:

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

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

Contact Information

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

Responsible Party Name Kalima, LLC

Contact Person Last Name Joosse	First Steve	MI	Phone Number (include area code) (920) 980-5448	
Address W1897 DeMaster Road	City Oostburg	State WI	ZIP Code 53070	
E-mail <u>s.joosse@yahoo.com</u>				

Name of Party Receiving Notification:

Business Name, if applicable: Village of Oostburg

Title Ms.	Last Name Ludens	First Jill	MI E	Phone Number (include area code) (920) 564-3214	
Address P. O. Box 700227	City Oostburg	State WI	ZIP Code 53070		

Site Name and Source Property Information:

Site (Activity) Name DEZOUTE RICHARD A PROPERTY

Address 729 S SAUK TRAIL RD	City OOSTBURG	State WI	ZIP Code 53070	
DNR ID # (BRRTS#) 03-60-557729	(DATCP) ID #			

Contacts for Questions:

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

Environmental Consultant: Fehr Graham Engineering & Environmental

Contact Person Last Name Dahlem	First Matt	MI J	Phone Number (include area code) (920) 892-2444	
Address 1237 Pilgrim Road	City Plymouth	State WI	ZIP Code 53073	
E-mail <u>mdahlem@fehr-graham.com</u>				

Department Contact:

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

Department of: Natural Resources (DNR)

Address 625 E County Rd Y STE 700	City Oshkosh	State WI	ZIP Code 54901	
Contact Person Last Name Verstegen	First Tom	MI	Phone Number (include area code) (920) 424-0025	
E-mail (Firstname.Lastname@wisconsin.gov) <u>Thomas.Verstegen@wisconsin.gov</u>				

**Notification of Continuing Obligations
and Residual Contamination**

Form 4400-286 (9/15)

Section B: ROW Notification: Residual Contamination and/or Continuing Obligations - Non-DOT ROWs**KEEP THIS DOCUMENT WITH YOUR PROPERTY RECORDS**

P. O. Box 700227
Oostburg, WI, 53070

Dear Ms. Ludens:

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

Leaded gasoline contamination from a former Underground Storage Tank (UST) system.
on 729 S SAUK TRAIL RD, OOSTBURG, WI, 53070 that has shown that contamination
remains in the right-of-way for which village of Oostburg is responsible.

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

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

The DNR will not review my closure request for at least 30 days after the date of this letter. As an affected right-of-way holder, you have a right to contact the DNR to provide any technical information that you may have that indicates that closure should not be granted for this site. If you would like to submit any information to the DNR that is relevant to this closure request, you should mail that information to the DNR contact: 625 E County Rd Y STE 700, Oshkosh, WI, 54901, or at Thomas.Verstegen@wisconsin.gov.

Residual Contamination:***Soil Contamination:***

Soil contamination remains at:
S404, B-7, B-12 and B-17

The remaining contaminants include :

Petroleum Volatile Organic Compounds+ Naphthalene (PVOCs+N)

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

The observed soil above RCLs does not pose a risk to human health or the environment due to the limited potential for direct contact exposure. The site has a grass vegetation cover, a gravel parking lot, a 1,500 square foot garage building, a separate home and some asphalt pavement, minimizing the potential for exposure to shallow soil via either ingestion or particulate inhalation. A Cap Maintenance Plan has been prepared in accordance with the requirements of s. NR 724.13(2), WAC. The various cover materials will serve as a barrier to prevent direct human contact with residual soil contamination that might otherwise pose a threat to human health. Based on the current and future use of the Property, this barrier should function as intended unless disturbed. Future plans for the site may include capping of the property parking lot with asphalt, which should completely eliminate the potential for direct ingestion of underlying soil.

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

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

Residual Soil Contamination:

If soil is excavated from the areas with residual contamination, the right-of-way holder at the time of excavation will be responsible for the following:

- determine if contamination is present,
 - determine whether the material would be considered solid or hazardous waste,
 - ensure that any storage, treatment or disposal is in compliance with applicable statutes and rules.
- Contaminated soil may be managed in-place, in accordance with s. NR 718, Wis. Adm. Code, with prior Department approval.

The right-of-way holder needs to be aware that excavation of the contaminated soil may pose an inhalation or other direct contact hazard and as a result special precautions may need to be taken during excavation activities to prevent a health threat to humans from ingestion, inhalation or dermal contact.

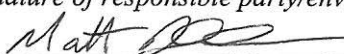
Depending on site-specific conditions, construction over contaminated soils or groundwater may result in vapor migration of contaminants into enclosed structures or migration along newly placed underground utility lines. The potential for vapor inhalation and means of mitigation should be evaluated when 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.

GIS Registry and Well Construction Requirements:

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

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

If you have any questions regarding this notification, I can be reached at: (920) 892-2444
mdahlem@fehr-graham.com

<i>Signature of responsible party/environmental consultant for the responsible party</i> 	Date Signed 12/9/15
---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------

Attachments**Contact Information****Legal Description for each Parcel:**

LEGEND

B-1
● Soil Boring

MW-9S
⊕ Sump

SE-5
X Dec. 2014 Excavation Sample

□ December 2014 Excavation Limits

Z=5-7' Excavation Depth

EN-3 Sample ID
12/1/14 Sample Date
0-4' Sample Depth
B Benzene (ug/kg)
E Ethylbenzene (ug/kg)
T Toluene (ug/kg)
X Xylenes, total (ug/kg)
N Naphthalene (ug/kg)
MTBE Methyl-Tert-Butyl-Ether (ug/kg)
124- 1,2,4-Trimethylbenzene (ug/kg)
135- 1,3,5-Trimethylbenzene (ug/kg)

ITALICS+ Exceeds Groundwater Pathway RCL

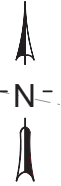
BOLD++ Exceeds Direct Contact (0-4') RCL

○ Estimated Extent of VOC Contaminated Soil Exceeding Direct Contact RCL

⊖ Estimated Extent of VOC Contaminated Soil Exceeding Groundwater Pathway RCL

↓ Groundwater Flow Direction 8/15/15

RIGHT-OF-WAY



S Sauk Trail Rd

B-12
12/5/12
6-7.5'
E 5,760+
X 9,920+
124- 1,800+
135- 4,440+

NE-2
12/1/14
0-4'
B 1,360+
E 38,700++
T 11,300+
X 183,200+
N 16,000+
MTBE 854+
124- 71,300+
135- 34,000+

NW-1
12/1/14
0-4'
B 52.0+
E 2,430+
X 11,870+
N 11,530+
MTBE 61.5+
124- 4,920+
135- 11,870+

NE-2
12/1/14
0-4'
B 2,600++
E 11,500++
T 8,390+
X 44,800+
N 5,640++
MTBE 258+
124- 22,600+
135- 12,300+

B-7
12/5/12
5-7.5'
MTBE 74.7+
124- 2,340+
135- 1,420+

ES-4
12/1/14
0-4'
B 2,600++
E 11,500++
T 8,390+
X 44,800+
N 5,640++
MTBE 258+
124- 22,600+
135- 12,300+

B-17
2/27/14
0.25-4'
B 189+
5-7.5'
B 506+
E 9,510+
T 9,650+
X 45,000+
N 2,740+
MTBE 220+
124- 18,600+
135- 17,020+

S404
6/30/11
6-8'
B 74+

EN-3
12/1/14
0-4'
B 3,620++
E 23,300++
T 7,120+
X 96,200+
N 10,400++
MTBE 780+
124- 44,600+
135- 24,300+

DeMester Road



SCALE = 1"=30'

TITLE: Residual Soil Contamination					
SITE: Richard A DeZoute Property 729 Sauk Trail Rd., Oostburg, WI 53070				DATE: 11/19/12	
FG PROJECT NUMBER: 14-1440 BRRTS #03-60-557729				DWG #: F:\DeZoute\Rem OEX-GW Mon\Figures\ Base Map-Kalina-14-1114.skf	
REV	DATE	DESCRIPTION:	APPVD	DRAWN BY:	FIGURE:
		PRINTED: 12/9/15		MKH	B.2.b