State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
1300 W Clairemont Ave.
Eau Claire, WI 54701

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

July 2, 2019

Matthew Lechner
PO Box 86
Black River Falls, WI 54615

KEEP THIS DOCUMENT WITH YOUR PROPERTY RECORDS

SUBJECT: Final Case Closure with Continuing Obligations
Dave's Gas Station (Former), 405 N Washington St, Merrillan, WI
DNR BRRTS Activity #: 03-27-001459

Dear Mr. Lechner:

The Department of Natural Resources (DNR) considers the Dave's Gas Station (Former) site closed, with continuing obligations. No further investigation or remediation is required at this time. However, you, future property owners and occupants 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 to anyone who purchases, rents or leases this property from you. 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 West Central Regional (WCR) Closure Committee reviewed the request for closure on April 1, 2019. The Closure Committee reviewed this environmental remediation case for compliance with state laws and standards. A request for remaining actions needed was issued by the DNR on April 12, 2019, and documentation that the conditions in that letter were met was received on Jun 26, 2019.

This former gas station and service garage operated from the mid-century until the early 1990s. Soil contamination along N Washington Street was discovered in 1984, and the leaking underground storage tanks were removed from the site in 1987. Responses included soil excavation, free product recovery and groundwater monitoring. 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 enforcement standards.
- Residual soil contamination exists that must be properly managed should it be excavated or removed.

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.

DNR Database

This site will be included on the Bureau for Remediation and Redevelopment Tracking System (BRRTS) on the Web (BOTW) at dnr.wi.gov, 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, at dnr.wi.gov..

The DNR's approval prior to well construction or reconstruction is required 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 dnr.wi.gov and search "3300-254".

All site information is also on file at the WCR Regional DNR office, at 1300 W Clairemont Ave, Eau Claire, WI 54701. This letter and information that was submitted with your closure request application, including any maps, can be found as a PDF on BOTW.

Closure Conditions

Compliance with the requirements of this letter is a responsibility to which you, and any subsequent property owners must adhere.

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

Department of Natural Resources
Attn: Remediation and Redevelopment Program Environmental Program Associate
1300 W Clairemont Ave
Eau Claire, WI 54701

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

Groundwater contamination greater than enforcement standards is present both on this contaminated property and off this contaminated property, as shown on the attached map, B.3.b Groundwater Isoconcentration (6-27-18). If you intend to construct a new well, or reconstruct an existing well, you'll need prior DNR approval. Affected property owners were notified of the presence of groundwater contamination. This continuing obligation also applies to the ROW holders for N Washington St/US 12/STH 27.

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

Soil contamination remains around the west and north sides of the site building and in the vicinity if boring B-15 as indicated on the attached map, B.2.b Residual Soil Contamination. If soil in the specific locations described above is excavated in the future, the property owner at the time of excavation must sample and analyze the excavated soil to determine if contamination remains. If sampling confirms that contamination is present, the property owner at the time of excavation will need to determine whether the material is considered solid or hazardous waste and ensure that any storage, treatment or disposal is in compliance with applicable standards and rules. Contaminated soil may be managed in accordance with ch. NR 718, Wis. Adm. Code, with prior DNR approval. This continuing obligation also applies to the ROW holders for N Washington St/US 12/STH 27.

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

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.

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 dnr.wi.gov and search "wastewater permits". If residual soil or groundwater contamination is likely to affect water collected in a pit/trench that requires dewatering, a general permit for Discharge of Contaminated Groundwater from Remedial Action Operations may be needed. If water collecting in a pit/trench that requires dewatering is expected to be free of pollutants other than suspended solids and oil and grease, a general permit for Pit/Trench Dewatering may be needed.

PECFA Reimbursement

Section 101.143, Wis. Stats., requires that Petroleum Environmental Cleanup Fund Award (PECFA) claimants seeking reimbursement of interest costs, for sites with petroleum contamination, submit a final reimbursement claim within 120 days after they receive a closure letter on their site. For claims not received within 120 days of the date of this letter, interest costs after 60 days of the date of this letter will not be eligible for PECFA reimbursement. If there is equipment purchased with PECFA funds remaining at the site, contact the DNR program 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 within180 days of incurring the costs, the costs will not be eligible for PECFA reimbursement.

In Closing

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

- if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety, or welfare or to the environment,
- if the property owner does not comply with the conditions of closure, with any deed restrictions applied to the property, or with a certificate of completion issued under s. 292.15, Wis. Stats, or
- a property owner fails to maintain or comply with a continuing obligation (imposed under this closure approval letter).

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 the DNR Project Manager, Matthew Vitale at (715) 839-3760, or at Matthew.Vitale@Wisconsin.gov.

Sincerely,

Dave Rozeboom
West Central Region Team Supervisor
Remediation & Redevelopment Program

Attachments:

- Groundwater Isoconcentration (6-27-18) Map, Figure B.3.b
- Residual Soil Contamination Map, Figure B.2.b

cc: Ron Anderson, METCO, Inc. – email only

B.3.b GROUNDWATER ISOCONCENTRATION (6-27-18)

DAVE'S GAS STATION (FORMER)

MERRILLAN, WISCONSIN

METCO
709 Gillette Street, Suite 3
La Crosse, WI 54603
Tel: (608) 781-8879
Fax: (608) 781-8893
"Excellence through experience!"

DRAWN BY: ED
DATE: 03/26/2013
UPDATED BY: JJ (10/22/2015)

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

- ⊕ - P2ESA SOIL BORING LOCATION
- ◆ - WDNR EXCAVATION SOIL SAMPLE LOCATION
- ● - WDNR EXCAVATION PID SOIL SAMPLE LOCATION
- ⊗ - EXCAVATION PROJECT SOIL SAMPLING LOCATION
- ✕ - GEOPROBE BORING LOCATION
- ◓ - MONITORING WELL LOCATION
- ⊕ - ABANDONED MONITORING WELL LOCATION
- ■ - SUB SLAB VAPOR SAMPLING LOCATION

- WATER LINE
- SANITARY SEWER LINE
- NATURAL GAS LINE
- OVERHEAD UTILITIES
- PROPERTY BOUNDARY
- TELEPHONE LINE
- BURIED ELECTRIC LINE

SCALE:
1 INCH = 35 FEET
0 17.5 35

- EXCAVATION AREA (METCO, JUNE 2017)

RESIDENCE
JOEY DEMASKE
402 WASHINGTON STREET

MERRILLAN CAFE
400 WASHINGTON STREET

JOYCE SCHEPPA
409 WASHINGTON STREET

TAVERN
403 WASHINGTON STREET

FORMER DAVE'S GAS STATION
405 WASHINGTON STREET

APPROXIMATE LIMITS OF WDNR OVEREXCAVATION

AREA OF REMOVED USTS

FORMER PUMP ISLAND

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

ES

PAL

WASHINGTON STREET USH 12/STH 27

UNION PACIFIC RAILROAD RIGHT OF WAY (100 FEET WIDE)

CANADIAN NATIONAL RAILROAD RIGHT OF WAY (200 FEET WIDE)

EDGE OF RAILROAD TRACKS

GRASS
GRAVEL
ASPHALT
SIDEWALK
LIGHT
SIGN

B.2.b RESIDUAL SOIL CONTAMINATION

DAVE'S GAS STATION (FORMER)

METCO
709 Gillette Street, Suite 3
La Crosse, WI 54603
Tel: (608) 781-8879
Fax: (608) 781-8893
"Excellence through experience!"

MERRILLAN, WISCONSIN

DRAWN BY: ED
DATE: 03/26/2013
UPDATED BY: JJ 10/22/2015)

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

⊕ - P2ESA SOIL BORING LOCATION

⊗ - EXCAVATION PROJECT SOIL SAMPLING LOCATION

✕ - GEOPROBE BORING LOCATION

- WATER LINE
- SANITARY SEWER LINE
- NATURAL GAS LINE
- OVERHEAD UTILITIES
- PROPERTY BOUNDARY
- TELEPHONE LINE
- BURIED ELECTRIC LINE

SCALE:
1 INCH = 35 FEET
0 17.5 35

- EXCAVATION AREA (METCO, JUNE 2017)

JOYCE SCHEPPA
409 WASHINGTON STREET

UNION PACIFIC RAILROAD RIGHT OF WAY (100 FEET WIDE)

RESIDENCE
JOEY DEMASKE
402 WASHINGTON STREET

APPROXIMATE LIMITS OF WDNR OVEREXCAVATION

SIDEWALK
GRASS
GRASS
SIDEWALK

GRASS

GRAVEL

G-14
AREA OF REMOVED USTS
G-2
G-3
EX-3
EX-4
EX-1
FORMER PUMP ISLAND
FORMER DAVE'S GAS STATION
405 WASHINGTON STREET
ASPHALT

TAVERN
403 WASHINGTON STREET

GRAVEL

GRAVEL

LIGHT

LIGHT

MERRILLAN CAFE
400 WASHINGTON STREET

GRASS

GRAVEL

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

B-15

SIDEWALK
GRASS
SIGN

GRASS

GRAVEL

GRAVEL

GRAVEL

GRAVEL

SIDEWALK
GRASS

WASHINGTON STREET USH 12/STH 27

CANADIAN NATIONAL RAILROAD RIGHT OF WAY (200 FEET WIDE)

EDGE OF RAILROAD TRACKS

Vitale, Matthew J - DNR

From: Vitale, Matthew J - DNR
Sent: Friday, April 12, 2019 11:40 AM
To: 'Ron Anderson'
Subject: Remaining Actions Needed - Dave's Gas Station (Fmr), BRRTS # 03-27-001459
Attachments: Remaining actions letter.pdf

Ron,

Please find the attached Remaining Actions Needed letter going out to the RP today. In addition to the remaining well abandonment/waste disposal, there are changed needed in the closure request packet, as outlined below. Let me know if you have any questions:

Soil tables
Fix the calculation of cumulative risks: The calculations must include all contaminants that were analyzed (including lead). Non-detects must also be included in the cumulative risk calculations, using the laboratory detection limit as the concentration. This should fix the tables' Direct Contact PVOC columns where there is no HI or CCR result for shallow soil samples. Remove "PVOC" from the column heading.

Sample B-22 is missing from the maps. Is this sample not a part of this site? It may have come from the 2011 Phase II ESA at a different site along the highway. Please adjust the tables or figures as necessary.

Vapor table: Update vapor table to use Residential VRSL. All results are below the residential standard. Revise the closure packet Sections 3.D.ii and 4.M

Groundwater figures
Adjust the isoconcentrations as follows:

- G-2 should be outside of the ES line
- g-14 and G-15 are non-detect and should be outside the PAL line
- G4 = PAL and should on the PAL line

Figure F.3 should have an annotation showing where the site is located.

All tables and figures
As per Guidance for Submitting Documents (RR-690) and Wis. Admin. Code § NR 700.11(3g), all table and figures should be electronic readable versions, not printed and rescanned versions. Please resubmit these.

-Matt

We are committed to service excellence.
Visit our survey at http://dnr.wi.gov/customersurvey to evaluate how I did.

Matthew Vitale
Hydrogeologist
Remediation and Redevelopment Program
Wisconsin Department of Natural Resources
Eau Claire Regional Office
1300 W. Clairemont Ave.
Eau Claire, WI 54701
Phone: (715) 839-3760

State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
1300 W Clairemont Ave.
Eau Claire, WI 54701

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

April 12, 2019

Matthew Lechner
PO Box 86
Black River Falls, WI 54615

Subject: Remaining Actions Needed for Case Closure under Wis. Adm. Code chs. NR 700-754
Dave's Gas Station (Former), 405 N Washington St, Merrillan, WI 54754
DNR BRRTS Activity # 03-27-001459

Dear Mr. Lechner:

On April 9, 2019, the Department of Natural Resources (DNR) reviewed your request for closure of the case described above. The DNR reviews environmental remediation cases for compliance with applicable local, state and federal laws. The following actions are required prior to the DNR granting you case closure in compliance with Wis. Stat. ch. 292 and Wis. Adm. Code chs. NR 700-754. Upon completion of these actions, closure approval will be provided. Pursuant to Wis. Adm. Code § NR 726.09 (2) (g), you are required to provide this information to the DNR within 120 days of the date of this letter.

Remaining Actions Needed

Monitoring Well or Remedial System Piping Filling and Sealing
The monitoring wells at the site must be properly filled and sealed in accordance with Wis. Adm. Code ch. NR 141. Documentation of filling and sealing for all wells and boreholes must be submitted to the DNR Project Manager, Matthew Vitale on DNR Form 3300-005. To download the form, go online at dnr.wi.gov and search "form 3300-005".

Purge Water, Waste and/or Soil Pile Removal
Any remaining purge water, solid waste and/or contaminated soil piles generated as part of site investigation or remediation activities must be removed from the site and properly managed in accordance with the applicable local, state and federal laws. Once that work is complete, send documentation to the DNR regarding the methods used for appropriate treatment or disposal of the remaining purge water, solid waste and/or contaminated soil.

Documentation

When the required actions are completed, submit the appropriate documentation within 120 days of the date of this letter, to verify completion. At that point, your closure request can be approved and your case can be closed.

If any changes to the closure request are still outstanding, submit all changes to the original closure request. Only revisions or updates need to be submitted. The submittal of both an electronic and paper copy are required in accordance with Wis. Adm. Code s. NR 726.09 (1). See *Guidance for Electronic Submittals for the Remediation and Redevelopment Program, RR- 690* for additional information. To view the document online, go to dnr.wi.gov and search "RR 690".

Listing on Database

This site will be listed on the DNR's Bureau for Remediation and Redevelopment Tracking System on the Web

(BOTW) and RR Sites Map, to provide public notice of remaining contamination and continuing obligations. The continuing obligations will be specified in the final case closure approval letter sent to you. Information that was submitted with your closure request application will be included on BOTW, located online at dnr.wi.gov and search "BOTW".

In Conclusion

We appreciate your efforts to restore the environment at this site. This remedial action project is nearing completion. I look forward to working with you to complete all remaining actions that are necessary to achieve case closure.

If you have any questions regarding this letter, please contact me, at (715) 839-3760 or Matthew.Vitale@Wisconsin.gov.

Sincerely,

Matthew Vitale

Matthew Vitale
Hydrogeologist
Remediation & Redevelopment Program

cc: Ron Anderson, METCO, Inc. – email only

Letter of Transmittal

Submitted to:

Matthew Vitale

WI Dept. of Natural Resources
1300 W. Clairemont Ave
Eau ClaireWI5 4701

Date:
6/17/2019

Job:
Dave's Gas Station - Former

◉Attached

◉Under Separate Cover

Contents:
Well Abandonment Forms
BRRTS #: 03-27-001459
PECFA #: 54754-9998-05-A

Remarks:
Attached are the well abandonment forms as requested in your "Remaining Actions Needed" letter dated 4/12/19. No investigative waste remains on-site. Once this information has been reviewed, please forward the "Final Closure" letter to the Responsible Party and copy METCO.

If you have any questions please call or email.

Signed: Jason Powell

cc: Matthew Lechner - Client

METCO
709 Gillette St., Ste 3
La Crosse, WI 54603-2382
(608)781-8879 fax (608)781-8893

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08)

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

☐ **Verification Only of Fill and Seal**

Route to: ☐ Drinking Water ☐ Watershed/Wastewater [X] Remediation/Redevelopment ☐ Waste Management ☐ Other:

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
JACKSON	___ ___ ___VN736_	

Lattitude / Longitude (Degrees and Minutes): 44 ° 27.23 . ___ ___ ___ 'N; 90 ° 50.6 . ___ ___ ___ 'W — Method Code (see instructions): ___ ___ ___ ___ ___ ___

¼ / ¼	¼	Section	Township	Range	
SE	SE	22	23 N	4	☐ E [X] W

or Gov't Lot #

Well Street Address: 405 N WASHINGTON ST

Well City, Village or Town	Well ZIP Code
MERRILLAN	54754-

Subdivision Name	Lot #

Reason For Removal From Service	WI Unique Well # of Replacement Well
SAMPLING COMPLETE	___ ___ ___ ___ ___

3. Well / Drillhole / Borehole Information

[X] Monitoring Well ☐ Water Well ☐ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 8/23/2017

If a Well Construction Report is available, please attach.

Construction Type: [X] Drilled ☐ Driven (Sandpoint) ☐ Dug ☐ Other (specify):

Formation Type: ☐ Unconsolidated Formation [X] Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
13	2

Lower Drillhole Diameter (in.)	Casing Depth (ft.)
6	3

Was well annular space grouted? [X] Yes ☐ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
1	1.9

2. Facility / Owner Information

Facility Name: DAVES GAS STATION FORMER

Facility ID (FID or PWS):

License/Permit/Monitoring #:

Original Well Owner: MATT LECHNER

Present Well Owner: MATT LECHNER

Mailing Address of Present Owner: PO BOX 86

City of Present Owner	State	ZIP Code
BLACK RIVER FALLS	WI	54615-

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	[X] N/A
Liner(s) removed?	☐ Yes	☐ No	[X] N/A
Screen removed?	☐ Yes	[X] No	☐ N/A
Casing left in place?	[X] Yes	☐ No	☐ N/A
Was casing cut off below surface?	[X] Yes	☐ No	☐ N/A
Did sealing material rise to surface?	[X] Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	[X] No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	[X] N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☐ Yes	☐ No	[X] N/A

Required Method of Placing Sealing Material: ☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped ☐ Screened & Poured (Bentonite Chips) [X] Other (Explain): GRAVITY

Sealing Materials: ☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.) ☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry ☐ Concrete ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only: [X] Bentonite Chips ☐ Bentonite - Cement Grout ☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

	From (ft.)	To (ft.)	LBS	
BENTONITE CHIPS	Surface	13	20.8	

6. Comments

MW-1R

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
ROB WILMOTH/METCO		5/29/2019

Street or Route	Telephone Number
709 GILLETTE ST., STE. #3	(608) 781-8879

City	State	ZIP Code
LA CROSSE	WI	54603-

Signature of Person Doing Work: [signature]

Date Signed: 6/4/2019

DNR Use Only

Date Received	Noted By

Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08)

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

☐ **Verification Only of Fill and Seal**

Route to: ☐ Drinking Water ☐ Watershed/Wastewater [X] Remediation/Redevelopment ☐ Waste Management ☐ Other: _____

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
JACKSON	___ ___ ___VN735_	

Lattitude / Longitude (Degrees and Minutes)	Method Code (see instructions)
44 ° 27.23 . ___ ___ ___ 'N	
90 ° 50.6 . ___ ___ ___ 'W	___ ___ ___ ___ ___ ___

¼ / ¼	¼	Section	Township	Range	
SE	SE	22	23 N	4	☐ E [X] W
or Gov't Lot #					

Well Street Address: 405 N WASHINGTON ST

Well City, Village or Town	Well ZIP Code
MERRILLAN	54754-
Subdivision Name	Lot #

Reason For Removal From Service	WI Unique Well # of Replacement Well
SAMPLING COMPLETE	___ ___ ___ ___ ___

3. Well / Drillhole / Borehole Information

[X] Monitoring Well ☐ Water Well ☐ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 8/28/2015

If a Well Construction Report is available, please attach.

Construction Type: [X] Drilled ☐ Driven (Sandpoint) ☐ Dug ☐ Other (specify): _____

Formation Type: ☐ Unconsolidated Formation [X] Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
13	2
Lower Drillhole Diameter (in.)	**Casing Depth (ft.)**
6	3

Was well annular space grouted? [X] Yes ☐ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
2.5	1.67

2. Facility / Owner Information

Facility Name: DAVES GAS STATION FORMER

Facility ID (FID or PWS):

License/Permit/Monitoring #:

Original Well Owner: MATT LECHNER

Present Well Owner: MATT LECHNER

Mailing Address of Present Owner: PO BOX 86

City of Present Owner	State	ZIP Code
BLACK RIVER FALLS	WI	54615-

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	[X] N/A
Liner(s) removed?	☐ Yes	☐ No	[X] N/A
Screen removed?	☐ Yes	[X] No	☐ N/A
Casing left in place?	[X] Yes	☐ No	☐ N/A
Was casing cut off below surface?	[X] Yes	☐ No	☐ N/A
Did sealing material rise to surface?	[X] Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	[X] No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	[X] N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☐ Yes	☐ No	[X] N/A

Required Method of Placing Sealing Material: ☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped ☐ Screened & Poured (Bentonite Chips) [X] Other (Explain): GRAVITY

Sealing Materials: ☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.) ☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " " ☐ Concrete ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only: [X] Bentonite Chips ☐ Bentonite - Cement Grout ☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

	From (ft.)	To (ft.)	LBS	
BENTONITE CHIPS	Surface	13	20.8	

6. Comments

MW-2

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
ROB WILMOTH/METCO		5/29/2019

Street or Route	Telephone Number
709 GILLETTE ST., STE. #3	(608) 781-8879

City	State	ZIP Code
LA CROSSE	WI	54603-

Signature of Person Doing Work: [signature]

Date Signed: 6/4/2019

DNR Use Only

Date Received	Noted By

Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08)

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

☐ Verification Only of Fill and Seal

Route to: ☐ Drinking Water ☐ Watershed/Wastewater [X] Remediation/Redevelopment ☐ Waste Management ☐ Other:

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
JACKSON	___ ___ ___VN734_	

Lattitude / Longitude (Degrees and Minutes) | Method Code (see instructions)

44 ___ ° 27.23 . ___ ___ ___ 'N

90 ___ ° 50.6 . ___ ___ ___ 'W

¼ / ¼	¼	Section	Township	Range	
SE	SE	22	23 N	4	☐ E [X] W

or Gov't Lot #

Well Street Address: 405 N WASHINGTON ST

Well City, Village or Town: MERRILLAN | Well ZIP Code: 54754-

Subdivision Name | Lot #

Reason For Removal From Service: SAMPLING COMPLETE | WI Unique Well # of Replacement Well: ___ ___ ___ ___ ___

3. Well / Drillhole / Borehole Information

[X] Monitoring Well ☐ Water Well ☐ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 8/28/2015

If a Well Construction Report is available, please attach.

Construction Type: [X] Drilled ☐ Driven (Sandpoint) ☐ Dug ☐ Other (specify):

Formation Type: ☐ Unconsolidated Formation [X] Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
13	2
Lower Drillhole Diameter (in.)	**Casing Depth (ft.)**
6	3

Was well annular space grouted? [X] Yes ☐ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
2.5	2.42

2. Facility / Owner Information

Facility Name: DAVES GAS STATION FORMER

Facility ID (FID or PWS)

License/Permit/Monitoring #

Original Well Owner: MATT LECHNER

Present Well Owner: MATT LECHNER

Mailing Address of Present Owner: PO BOX 86

City of Present Owner	State	ZIP Code
BLACK RIVER FALLS	WI	54615-

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	[X] N/A
Liner(s) removed?	☐ Yes	☐ No	[X] N/A
Screen removed?	☐ Yes	[X] No	☐ N/A
Casing left in place?	[X] Yes	☐ No	☐ N/A
Was casing cut off below surface?	[X] Yes	☐ No	☐ N/A
Did sealing material rise to surface?	[X] Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	[X] No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	[X] N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☐ Yes	☐ No	[X] N/A

Required Method of Placing Sealing Material

☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped ☐ Screened & Poured (Bentonite Chips) [X] Other (Explain): GRAVITY

Sealing Materials

☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:

[X] Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

	From (ft.)	To (ft.)	LBS	
BENTONITE CHIPS	Surface	13	20.8	

6. Comments

MW-3

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
ROB WILMOTH/METCO		5/29/2019

Street or Route: 709 GILLETTE ST., STE. #3 | Telephone Number: (608) 781-8879

City	State	ZIP Code
LA CROSSE	WI	54603-

Signature of Person Doing Work | Date Signed: 6/4/2019

DNR Use Only

Date Received | Noted By | Comments

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08)

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

☐ Verification Only of Fill and Seal

Route to:
☐ Drinking Water ☐ Watershed/Wastewater [X] Remediation/Redevelopment
☐ Waste Management ☐ Other:

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
JACKSON	___ ___ ___VN733_	

Latitude / Longitude (Degrees and Minutes): 44 ___ ° 27.23 . ___ ___ ___ 'N; 90 ___ ° 50.6 . ___ ___ ___ 'W
Method Code (see instructions): ___ ___ ___ ___ ___ ___

¼ / ¼	¼	Section	Township	Range	
SE	SE	22	23 N	4	☐ E [X] W

or Gov't Lot #

Well Street Address: 405 N WASHINGTON ST

Well City, Village or Town	Well ZIP Code
MERRILLAN	54754-

Subdivision Name	Lot #

Reason For Removal From Service	WI Unique Well # of Replacement Well
SAMPLING COMPLETE	___ ___ ___ ___ ___

3. Well / Drillhole / Borehole Information

[X] Monitoring Well
☐ Water Well
☐ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 8/28/2015
If a Well Construction Report is available, please attach.

Construction Type:
[X] Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (specify):

Formation Type:
☐ Unconsolidated Formation [X] Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
13	2

Lower Drillhole Diameter (in.)	Casing Depth (ft.)
6	3

Was well annular space grouted? [X] Yes ☐ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
2.5	0.6

2. Facility / Owner Information

Facility Name: DAVES GAS STATION FORMER
Facility ID (FID or PWS):
License/Permit/Monitoring #:
Original Well Owner: MATT LECHNER
Present Well Owner: MATT LECHNER
Mailing Address of Present Owner: PO BOX 86

City of Present Owner	State	ZIP Code
BLACK RIVER FALLS	WI	54615-

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	[X] N/A
Liner(s) removed?	☐ Yes	☐ No	[X] N/A
Screen removed?	☐ Yes	[X] No	☐ N/A
Casing left in place?	[X] Yes	☐ No	☐ N/A
Was casing cut off below surface?	[X] Yes	☐ No	☐ N/A
Did sealing material rise to surface?	[X] Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	[X] No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	[X] N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☐ Yes	☐ No	[X] N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) [X] Other (Explain): GRAVITY

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
[X] Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

	From (ft.)	To (ft.)	LBS	
BENTONITE CHIPS	Surface	13	20.8	

6. Comments

MW-4

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
ROB WILMOTH/METCO		5/29/2019

Street or Route	Telephone Number
709 GILLETTE ST., STE. #3	(608) 781-8879

City	State	ZIP Code
LA CROSSE	WI	54603-

Signature of Person Doing Work: [signature]
Date Signed: 6/4/2019

DNR Use Only

Date Received	Noted By

Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08)

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☐ Verification Only of Fill and Seal

Route to: ☐ Drinking Water ☐ Watershed/Wastewater [X] Remediation/Redevelopment ☐ Waste Management ☐ Other:

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
JACKSON	VN737_	

Latitude / Longitude (Degrees and Minutes): 44 ° 27.23 ' N; 90 ° 50.6 ' W — Method Code (see instructions):

¼ / ¼	¼	Section	Township	Range	
SE	SE	22	23 N	4	☐ E [X] W

or Gov't Lot #

Well Street Address: 405 N WASHINGTON ST

Well City, Village or Town: MERRILLAN — Well ZIP Code: 54754-

Subdivision Name — Lot #

Reason For Removal From Service: SAMPLING COMPLETE — WI Unique Well # of Replacement Well

2. Facility / Owner Information

Facility Name: DAVES GAS STATION FORMER

Facility ID (FID or PWS)

License/Permit/Monitoring #

Original Well Owner: MATT LECHNER

Present Well Owner: MATT LECHNER

Mailing Address of Present Owner: PO BOX 86

City of Present Owner: BLACK RIVER FALLS — State: WI — ZIP Code: 54615-

3. Well / Drillhole / Borehole Information

[X] Monitoring Well ☐ Water Well ☐ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 8/28/2015

If a Well Construction Report is available, please attach.

Construction Type: [X] Drilled ☐ Driven (Sandpoint) ☐ Dug ☐ Other (specify):

Formation Type: ☐ Unconsolidated Formation [X] Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
13	2
Lower Drillhole Diameter (in.)	**Casing Depth (ft.)**
6	3

Was well annular space grouted? [X] Yes ☐ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
2.5	1.71

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	[X] N/A
Liner(s) removed?	☐ Yes	☐ No	[X] N/A
Screen removed?	☐ Yes	[X] No	☐ N/A
Casing left in place?	[X] Yes	☐ No	☐ N/A
Was casing cut off below surface?	[X] Yes	☐ No	☐ N/A
Did sealing material rise to surface?	[X] Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	[X] No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	[X] N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☐ Yes	☐ No	[X] N/A

Required Method of Placing Sealing Material: ☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped ☐ Screened & Poured (Bentonite Chips) [X] Other (Explain): GRAVITY

Sealing Materials: ☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.) ☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " " ☐ Concrete ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only: [X] Bentonite Chips ☐ Bentonite - Cement Grout ☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

	From (ft.)	To (ft.)	LBS	
BENTONITE CHIPS	Surface	13	20.8	

6. Comments

MW-5

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
ROB WILMOTH/METCO		5/29/2019

Street or Route: 709 GILLETTE ST., STE. #3 — Telephone Number: (608) 781-8879

City: LA CROSSE — State: WI — ZIP Code: 54603-

Signature of Person Doing Work: Rob Wilmoth — Date Signed: 6/4/2019

DNR Use Only

Date Received	Noted By

Comments

Wisconsin Department of Natural Resources

Case Closure – GIS Registry
NR 4400-202

For: Dave's Gas Station (Former)
BRRTS # 03-27-001459
PECFA # 54754-9998-05

March 5, 2019

METCO

Excellence through experience™

Excellence through experience™

709 Gillette St., Ste 3 ♦ La Crosse, WI 54603 ♦ 1-800-552-2932 ♦ Fax (608) 781-8893 Email: rona@metcohq.com ♦www.metcohq.com

March 5, 2019

WDNR BRRTS#: 03-27-001459
PECFA #: 54754-9998-05

Deena Kinney, Environmental Program Associate
WDNR Remediation and Redevelopment Program
West Central Region Office
1300 W. Clairemont Avenue
Eau Claire, WI 54701

RE: Dave's Gas Station (Former) - Closure Review and GIS Registry Fees

Dear Ms. Kinney,

The $1,050 WDNR Closure Review Fee and the $650 GIS Registry Fee (Soil and Groundwater) for the Dave's Gas Station (Former) site (BRRTS #: 03-27-001459) located in Merrillan, Wisconsin is being put on the lien for the property. The complete closure submittal is being sent to Matthew Vitale of the Wisconsin Department of Natural Resources.

Sincerely,

Jason T. Powell
Staff Scientist

C: Matt Lechner - Client

Table of Contents

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

Case Closure - GIS Registry

Form 4400-202 (R 8/16)

SUBMIT AS UNBOUND PACKAGE IN THE ORDER SHOWN

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

Site Information

BRRTS No.	VPLE No.		
03-27-001459			
Parcel ID No.			
152-0362.0000			
FID No.	WTM Coordinates X: 452896	Y: 442664	
BRRTS Activity (Site) Name	WTM Coordinates Represent: ☒ Source Area ☐ Parcel Center		
Dave's Gas Station (Former)			
Site Address	**City**	**State**	**ZIP Code**
405 N Washington Street	Merrillan	WI	54754
Acres Ready For Use			
0.5			
Responsible Party (RP) Name			
Matthew Lechner			
Company Name			
Mailing Address	**City**	**State**	**ZIP Code**
PO Box 86	Black River Falls	WI	54615
Phone Number	**Email**		
(608) 633-6569	dirtmister16@yahoo.com		

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

Environmental Consultant Name			
Ron Anderson			
Consulting Firm			
METCO			
Mailing Address	**City**	**State**	**ZIP Code**
709 Gillette Street, Suite 3	La Crosse	WI	54603
Phone Number	**Email**		
(608) 781-8879	rona@metcohq.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#tabx3**. Check all fees that apply:

   ☒ $1,050 Closure Fee

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

   ☒ $300 Database Fee for Soil

   Total Amount of Payment $ $1,700.00

   ☐ 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 Dave's Gas Station (Former) property is located at 405 N Washington Street in the Village of Merrillan, Jackson County, WI. The property is bound by US Highway 12/State Highway 27 along the west side, a tavern property along the north and east side, and railroad tracks along the south side.

B. Prior and current site usage: Specifically describe the current and historic occupancy and types of use.
A gas station and service garage operated on the subject property from approximately the 1940s/50s until 1987. After the gas station closed, the property continued to operate as a service garage until the early 1990s. Since then the building has been used for storage.

C. Current zoning (e.g., industrial, commercial, residential) for the site and for neighboring properties, and how verified (Provide documentation in Attachment G).
According to the zoning map for the Village of Merrillan, WI, the Dave's Gas Station (Former) property is located at 405 N Washington Street is zoned "Business District." The surrounding properties are also zoned "Business District."

D. Describe how and when site contamination was discovered.
A regional occurrence of petroleum contamination was first discovered along the right of way of Washington Street (US Hwy 12/State Highway 27) in 1984 and an ERP case was opened to investigate this contamination (Merrillan Gasoline Contamination - BRRTS 02-27-000051). Several gas stations in the area were suspected to be sources of this contamination. During this investigation, the WDNR installed soil borings and monitoring wells. The WDNR also reviewed tank inventory records for several gas stations in the area. After reviewing the tank inventory records for the Dave's Gas Station site in 1987, the WDNR suspected that the petroleum underground storage tanks (USTs) at the property were leaking.

On April 16, 1987, two gasoline USTs (3,000-gallon leaded and 2,000-gallon unleaded) were removed from the subject property under supervision of the Merrillan Fire Department and WDNR. In 1995, the WDNR reviewed their files and determined that a petroleum release had occurred at the Dave's Gas Station site and required that a site investigation be completed.

E. Describe the type(s) and source(s) or suspected source(s) of contamination.
Petroleum contamination appears to have originated from the former gasoline UST systems.

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.
No other BRRTS activities exist at the subject property.

H. List BRRTS activity/site name(s) and number(s) for all properties immediately adjacent to (abutting) this source property.
No BRRTS activities exist immediately adjacent to this site.

2. General Site Conditions

A. Soil/Geology

i. Describe soil type(s) and relevant physical properties, thickness of soil column across the site, vertical and lateral variations in soil types.
Local unconsolidated materials generally consist of tan to gray to brown to orange fine to coarse grained sand from surface to depths ranging from 7 to 9 feet below ground surface (bgs). Gray clay/sandy clay was encountered in a few borings at depths ranging from 6 to 8 feet bgs.

ii. Describe the composition, location and lateral extent, and depth of fill or waste deposits on the site.
Fill material consisting of tan to brown sand and gravel was encountered from surface to 3 feet bgs in borings G-7, G-8, G-9, and G-14, from surface to 6 feet bgs in boring G-13, and from surface to 9 feet in boring MW-1R.

iii. Describe the depth to bedrock, bedrock type, competency and whether or not it was encountered during the investigation.
Tan to gray to white sandstone bedrock was encountered at depths ranging from 6 to 9 feet and extends to at least 13 feet bgs.

iv. Describe the nature and locations of current surface cover(s) across the site (e.g., natural vegetation, landscaped areas, gravel, hard surfaces, and buildings).
The on-site building exists near the west side of the property. To the north of the building exists a gravel driveway that

extends from US Highway 12/State Highway 27 to the tavern to the east. An area of grass extends approximately 90 feet to the east of the building. Further to the east is gravel that is used as parking for the tavern. To the west of the building where the former pump island was located is covered in gravel with asphalt located to the south.

B. Groundwater

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

Groundwater exists at approximately 3.69-5.63 feet bgs depending on well location and time of year.
Free product was encountered in monitoring well MW-1 in February 2016, thus affecting the water level measurements in this well. The stratigraphic unit where water is found consists of fine to coarse grained sand.

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

The groundwater flow direction at this site is predominantly toward the south. Groundwater flow deeper in the aquifer is unknown, as no piezometers were installed as part of this investigation.

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

On November 4, 2015, METCO conducted slug tests on monitoring wells MW-1, MW-2 and MW-4. The slug test data was evaluated using the curve fitting program "Hydro-Test for Windows" Produced by Dakota Environmental, Inc. Slug test data was evaluated using the Bouwer and Rice method. Hydrogeologic parameters were estimated as follows:

Monitoring Well MW-1
Hydraulic Conductivity (K) = 3.41E-04 cm/sec
Transmissivity = 8.36E-02 cm2/sec
Flow Velocity (V=KI/n) = 4.66186 m/yr

Monitoring Well MW-2
Hydraulic Conductivity (K) = 2.98E-04 cm/sec
Transmissivity = 8.03E-02 cm2/sec
Flow Velocity (V=KI/n) = 4.07079 m/yr

Monitoring Well MW-4
Hydraulic Conductivity (K) = 1.22E-04 cm/sec
Transmissivity = 3.45E-02 cm2/sec
Flow Velocity (V=KI/n) = 1.66495 m/yr

Since the thickness of the unconfined aquifer was unknown, the bottoms of monitoring wells MW-1, MW-2 and MW-4 were assumed as the lower extent of the aquifer for calculation purposes. Slug test data is presented in Appendix E.

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

The subject property and surrounding properties are all served by the Village of Merrillan municipal water system. The Village of Merrillan has two municipal wells, both located approximately 2,500 feet to the east-southeast of the subject property. The only known private wells that are in use in the Village of Merrillan are on Lower Lake Drive, which is over 1 mile from the subject property.

3. Site Investigation Summary

A. General

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

On May 5, 2011, TRC Solutions, Inc. completed three soil borings in Washington Street adjacent to the Dave's Gas Station property for the Wisconsin Department of Transportation (DOT) in preparation for an upcoming road construction project. One soil sample from each boring was submitted for laboratory analysis (GRO, PVOC, Naphthalene, and Lead). Petroleum contamination was detected in all three soil samples. (Letter Report, TRC - June 20, 2012)

On August 19, 2013, TRC Solutions, Inc. oversaw excavation of 658 tons of petroleum contaminated soil from the right of way of Washington Street. The contaminated soil was disposed of at the Advanced Disposal Cranberry Creek Landfill in Wisconsin Rapids. Eleven soil samples were collected from the sidewalls and base of the excavation for laboratory analysis (PVOC, Naphthalene, and Lead). Seven additional samples were collected from the sidewalls and base of the excavation to be field screened with a photo-ionization detector (PID). (Letter Report, TRC - September 2013)

On October 13, 2014, METCO completed sixteen Geoprobe borings. Thirty-three soil samples and sixteen groundwater samples were collected for field and/or laboratory analysis. (Site Investigation Report, METCO - July 6, 2016)

On August 28, 2015, METCO completed five soil borings and installed five monitoring wells. Fifteen soil and rock cutting samples were collected for field and/or laboratory analysis. Upon completion, the monitoring wells were properly developed. (Site Investigation Report, METCO - July 6, 2016)

On November 4, 2015, METCO collected groundwater samples from the five monitoring wells for field and laboratory analysis. METCO also conducted slug tests on three of the monitoring wells. (Site Investigation Report, METCO - July 6, 2016)

On February 9, 2016, METCO collected groundwater samples from the five monitoring wells for field and laboratory analysis. (Site Investigation Report, METCO - July 6, 2016)

On June 21, 2017, DKS Construction Services, Inc. of Menomonie, Wisconsin conducted a soil excavation/disposal project at the subject property under the supervision and direction of METCO personnel. During this project, 195.23 tons of petroleum contaminated soil was excavated and hauled to the Advanced Disposal - Seven Mile Creek Landfill in Eau Claire, Wisconsin. Prior to any excavation activities, monitoring well MW-1 was properly abandoned by METCO personnel. The excavation consisted of rectangular shaped area measuring up to 34 feet long, 14 feet wide, and 8 feet below ground surface (bgs) in the area of the former pump island. Nine soil samples were collected from the sidewalls and bottom of the excavation for field (PID) and laboratory analysis (PVOC and Naphthalene). Eight sidewall samples were collected at 3 and 6 feet bgs and one bottom sample was collected at 8 feet bgs. Following the excavation project, the excavation area was backfilled with clean soils and capped with gravel. (Letter Report, METCO - December 5, 2017)

On August 23, 2017, Twin Ports Testing, of Superior, Wisconsin, installed one replacement monitoring well (MW-1R) under the direction and supervision of METCO personnel. The monitoring well was blind drilled and installed to 13 feet bgs. Upon completion, monitoring well MW-1R was properly developed. (Letter Report, METCO - December 5, 2017)

On September 26, 2017, METCO collected groundwater samples from the five monitoring wells (MW-1R, MW-2, MW-3, MW-4, and MW-5) for PVOC and Naphthalene. Monitoring wells MW-1R and MW-2 were also analyzed for Dissolved Lead. Field measurements for water level, Dissolved Oxygen, pH, ORP, temperature, and Specific Conductivity were collected from all sampled monitoring wells. During the groundwater sampling event, the new monitoring well (MW-1R) was surveyed to feet mean sea level (msl) by METCO personnel. (Letter Report, METCO - December 5, 2017)

On December 20, 2017, METCO collected groundwater samples from five monitoring wells (MW-1R, MW-2, MW-3, MW-4, and MW-5) for PVOC and Naphthalene analysis. MW-1R and MW-2 were also sampled for Dissolved Lead. Field measurements for water level, Dissolved Oxygen, pH, ORP, specific conductance, and temperature were collected from the sampled monitoring wells. (Groundwater Monitoring Report, METCO - August 15, 2018)

On April 5, 2018, Braun Intertec of La Crosse, WI installed three sub-slab vapor sampling ports (VP-1, VP-2, and VP-3) in the floor of the on-site building located at 405 N Washington Street. The sub-slab vapor sampling ports were constructed by drilling a 1/2-inch pilot hole through the concrete slab and several inches into the sub slab material with a hammer drill. A 11/2-inch outer hole is then drilled to depths ranging from ¾ -inch to 1-inch, depending on the concrete slab thickness. The holes were cleaned of dust and drilling debris using a shop-vac. A stainless-steel vapor pin is installed in the inner hole with a silicon sleeve to obtain an air tight seal with the concrete floor. The remainder of the hole is sealed with hydrated bentonite and a water dam test was conducted to confirm that the seal is air tight. Braun Intertec collected vapor samples from the sub-slab sampling ports (VP-1, VP-2, and VP-3) for TO-15 (PVOC and Naphthalene) analysis. Vapor samples were collected by using a short length of Teflon tubing to connect the sampling port and a 6-liter Suma canister. The air samples were collected using a Suma canister with a flow regulator that allowed the sub-slab vapor samples to be collected over a 30-minute period. Prior to collecting the sub-slab vapor samples, a shut-in test was con-ducted to assure that the fittings between the sample probe and sampling container are air tight. No leaks were detected. (Groundwater Monitoring Report, METCO - August 15, 2018)

On April 5, 2018, METCO collected groundwater samples from five monitoring wells (MW-1R, MW-2, MW-3, MW-4, and MW-5) for PVOC and Naphthalene analysis. MW-1R and MW-2 were also sampled for Dissolved Lead. Field measurements for water level, Dissolved Oxygen, pH, ORP, specific conductance, and temperature were collected from the sampled monitoring wells. (Groundwater Monitoring Report, METCO - August 15, 2018)

On June 27, 2018, METCO collected groundwater samples from five monitoring wells (MW-1R, MW-2, MW-3, MW-4, and MW-5) for PVOC and Naphthalene analysis. MW-1R and MW-2 were also sampled for Dissolved Lead. Field measurements for water level, Dissolved Oxygen, pH, ORP, specific conductance, and temperature were collected from the sampled monitoring wells. (Groundwater Monitoring Report, METCO - August 15, 2018)

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 exceeding the NR720 Groundwater RCL values exists north and south of the excavation area in the right-of-way of US Highway 12/State Highway 27 extending up to 3 feet long, 1 foot wide, and 5 feet thick in the northern area and up to 4 feet long, 9 feet wide, and 5 feet thick in the southern area.

Soil contamination exceeding the NR720 Groundwater RCL values exists in the area of B-15, which is approximately 75 feet southwest of the source area in the right-of-way of US Highway 12/State Highway 27, and consists of an area measuring approximately 10 feet in diameter and up to 5 feet thick.

Groundwater contamination exceeding the NR140 ES has migrated west into the right-of-way of US Highway 12/State Highway 27. The estimated extent of petroleum contamination in groundwater exceeding the NR140 ES measures approximately 70 feet wide at the property line and extends up to 2 feet into the right-of-way.

iii. Identify any structural impediments to the completion of site investigation and/or remediation and whether these impediments are on the source property or off the source property. Identify the type and location of any structural impediment (e.g., structure) that also serves as the performance standard barrier for protection of the direct contact or the groundwater pathway.

There were no structural impediments to the completion of the investigation.

B. Soil

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

An area of soil contamination exceeding the NR720 Groundwater RCLs exists in the area of the removed USTs. This consists of an irregular shaped area that measures up to 44 feet long, 28 feet wide, and 5 feet thick.

An area of soil contamination exceeding the NR720 Groundwater RCLs exists to the south of the excavation area and the former pump island. This area measures up to 15 feet long, 9 feet wide, and 5 feet thick.

Soil contamination exceeding the NR720 Groundwater RCL values exists in the area of B-15, which is approximately 75 feet southwest of the source area, and consists of an area measuring approximately 10 feet in diameter and up to 5 feet thick.

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

The remaining soil samples within the top four feet of ground surface that exceed the NR720 RCL values are:

B-15 at 2-4 feet bgs: 0.0587 ppm Benzene

G-2-1 at 3.5 feet bgs: 0.046 ppm Benzene

G-14-1 at 3.5 feet bgs: 27.2 ppm Lead

G-15-1 at 3.5 feet bgs: 83.8 ppm Lead

EX-1 at 3.0 feet bgs: 0.246 ppm Benzene, 4.6 ppm Ethylbenzene, 2.66 ppm Naphthalene, 2.96 ppm Toluene, 20.5 ppm Trimethylbenzenes, and 23.1 ppm Xylene

EX-4 at 3.0 feet bgs: 4.9 ppm Naphthalene and 14.6 ppm Trimethylbenzenes

EX-8 at 3.0 feet bgs: 0.57 ppm Benzene, 2.86 ppm Ethylbenzene, 1.77 ppm Naphthalene, and 5.74 ppm Trimethylbenzenes

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

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

C. Groundwater

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

A dissolved phase contaminant plume exceeding the NR140 ES and/or PAL has formed at the watertable in the area of the removed UST systems and migrated toward the south. This groundwater contamination plume measures

approximately 113 feet long and 84 feet wide.

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

Free product was only encountered once in MW-1 on February, 9, 2016 measuring 7 inches in thickness. Approximately 0.09 gallons of free product was removed.

D. Vapor

i. Describe how the vapor migration pathway was assessed, including locations where vapor, soil gas, or indoor air samples were collected. If the vapor pathway was not assessed, explain reasons why.

On April 5, 2018, Braun Intertec of La Crosse, WI installed three sub-slab vapor sampling ports (VP-1, VP-2, and VP-3) in the floor of the on-site building located at 405 N Washington Street. The sub-slab vapor sampling ports were constructed by drilling a 1/2-inch pilot hole through the concrete slab and several inches into the sub slab material with a hammer drill. A 11/2-inch outer hole is then drilled to depths ranging from ¾ -inch to 1-inch, depending on the concrete slab thickness. The holes were cleaned of dust and drilling debris using a shop-vac. A stainless-steel vapor pin is installed in the inner hole with a silicon sleeve to obtain an air tight seal with the concrete floor. The remainder of the hole is sealed with hydrated bentonite and a water dam test was conducted to confirm that the seal is air tight.

On April 5, 2018, Braun Intertec collected vapor samples from the sub-slab sampling ports (VP-1, VP-2, and VP-3) for TO-15 (PVOC and Naphthalene) analysis. Vapor samples were collected by using a short length of Teflon tubing to connect the sampling port and a 6-liter Suma canister. The air samples were collected using a Suma canister with a flow regulator that allowed the sub-slab vapor samples to be collected over a 30-minute period. Prior to collecting the sub-slab vapor samples, a shut-in test was conducted to assure that the fittings between the sample probe and sampling container are air tight. No leaks were detected.

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

The sub-slab vapor results showed detects, but no exceedances of the WDNR Residential Sub-Slab Vapor Action Levels.

E. Surface Water and Sediment

i. Identify whether surface water and/or sediment was assessed and describe the impacts found. If this pathway was not assessed, explain why.

The nearest surface water is Oakwood Lake, which is a small reservoir formed by the damming of Halls Creek. Oakwood Lake exists approximately 1,300 feet to the south of the subject property. It does not appear that the petroleum contamination has impacted any surface waters.

ii. Identify any surface water and/or sediment action levels used to assess the impacts for this pathway and how these were derived. Describe where the DNR action levels were reached or exceeded.

No surface water or sediment samples were collected.

4. Remedial Actions Implemented and Residual Levels at Closure

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

On June 21, 2017, DKS Construction Services, Inc. of Menomonie, Wisconsin conducted a soil excavation/disposal project at the subject property under the supervision and direction of METCO personnel. During this project, 195.23 tons of petroleum contaminated soil was excavated and hauled to the Advanced Disposal - Seven Mile Creek Landfill in Eau Claire, Wisconsin. Prior to any excavation activities, monitoring well MW-1 was properly abandoned by METCO personnel. The excavation consisted of rectangular shaped area measuring up to 34 feet long, 14 feet wide, and 8 feet below ground surface (bgs) in the area of the former pump island. Nine soil samples were collected from the sidewalls and bottom of the excavation for field (PID) and laboratory analysis (PVOC and Naphthalene). Eight sidewall samples were collected at 3 and 6 feet bgs and one bottom sample was collected at 8 feet bgs. Following the excavation project, the excavation area was backfilled with clean soils and capped with gravel. (Letter Report, METCO - December 5, 2017)

Free product was recovered from MW-1 by hand-bailing during the February 2016 groundwater sampling event. Approximately 0.09 gallons of free product was recovered.

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

On August 19, 2013, TRC Solutions, Inc. oversaw excavation of 658 tons of petroleum contaminated soil from the right of way of Washington Street. The contaminated soil was disposed of at the Advanced Disposal Cranberry Creek Landfill in Wisconsin Rapids. Eleven soil samples were collected from the sidewalls and base of the excavation for laboratory analysis (PVOC, Naphthalene, and Lead). Seven additional samples were collected from the sidewalls and base of the excavation to be field screened with a photo-ionization detector (PID). (Letter Report, TRC - September 2013)

Free product was recovered from MW-1 by hand-bailing during the February 2016 groundwater sampling event. Approximately 0.09 gallons of free product was recovered.

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

On June 21, 2017, DKS Construction Services, Inc. of Menomonie, Wisconsin conducted a soil excavation/disposal project at the subject property under the supervision and direction of METCO personnel. During this project, 195.23 tons of petroleum contaminated soil was excavated and hauled to the Advanced Disposal - Seven Mile Creek Landfill in Eau Claire, Wisconsin. Prior to any excavation activities, monitoring well MW-1 was properly abandoned by METCO personnel. The excavation consisted of rectangular shaped area measuring up to 34 feet long, 14 feet wide, and 8 feet below ground surface (bgs) in the area of the former pump island. Nine soil samples were collected from the sidewalls and bottom of the excavation for field (PID) and laboratory analysis (PVOC and Naphthalene). Eight sidewall samples were collected at 3 and 6 feet bgs and one bottom sample was collected at 8 feet bgs. Following the excavation project, the excavation area was backfilled with clean soils and capped with gravel. (Letter Report, METCO - December 5, 2017)

D. Describe the alternatives considered during the Green and Sustainable Remediation evaluation in accordance with NR 722.09 and any practices implemented as a result of the evaluation.

No evaluation of Green and Sustainable Remediation was conducted.

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

An area of soil contamination exceeding the NR720 Groundwater RCLs exists in the area of the removed USTs. This consists of an irregular shaped area that measures up to 44 feet long, 28 feet wide, and 5 feet thick.

An area of soil contamination exceeding the NR720 Groundwater RCLs exists to the south of the excavation area and the former pump island. This area measures up to 15 feet long, 9 feet wide, and 5 feet thick.

Soil contamination exceeding the NR720 Groundwater RCL values exists in the area of B-15, which is approximately 75 feet southwest of the source area, and consists of an area measuring approximately 10 feet in diameter and up to 5 feet thick.

A dissolved phase contaminant plume exceeding the NR140 ES and/or PAL has formed at the watertable in the area of the removed UST systems and migrated toward the south. This groundwater contamination plume measures approximately 113 feet long and 84 feet wide.

Soil contamination exceeding the NR720 Groundwater RCL values exists north and south of the excavation area in the right-of-way of US Highway 12/State Highway 27 extending up to 3 feet long, 1 foot wide, and 5 feet thick in the northern area and up to 4 feet long, 9 feet wide, and 5 feet thick in the southern area.

Soil contamination exceeding the NR720 Groundwater RCL values exists in the area of B-15, which is approximately 75 feet southwest of the source area in the right-of-way of US Highway 12/State Highway 27, and consists of an area measuring approximately 10 feet in diameter and up to 5 feet thick.

Groundwater contamination exceeding the NR140 ES has migrated west into the right-of-way of US Highway 12/State Highway 27. The estimated extent of petroleum contamination in groundwater exceeding the NR140 ES measures approximately 70 feet wide at the property line and extends up to 2 feet into the right-of-way.

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.

There is no residual soil contamination within the upper four feet of ground surface which exceeds the NR720 Non-Industrial Direct Contact RCLs.

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

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

B-15 at 2-4 feet bgs: 0.0587 ppm Benzene

G-2-1 at 3.5 feet bgs: 0.046 ppm Benzene

G-14-1 at 3.5 feet bgs: 27.2 ppm Lead

G-15-1 at 3.5 feet bgs: 83.8 ppm Lead

EX-1 at 3.0 feet bgs: 0.246 ppm Benzene, 4.6 ppm Ethylbenzene, 2.66 ppm Naphthalene, 2.96 ppm Toluene, 20.5 ppm Trimethylbenzenes, and 23.1 ppm Xylene

EX-4 at 3.0 feet bgs: 4.9 ppm Naphthalene and 14.6 ppm Trimethylbenzenes

EX-8 at 3.0 feet bgs: 0.57 ppm Benzene, 2.86 ppm Ethylbenzene, 1.77 ppm Naphthalene, and 5.74 ppm Trimethylbenzenes

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.

Residual soil and groundwater contamination will be addressed by natural attenuation.

I. If using natural attenuation as a groundwater remedy, describe how the data collected supports the conclusion that natural attenuation is effective in reducing contaminant mass and concentration (e.g., stable or receding groundwater plume).

Since the most likely contaminated soils were removed by excavation and groundwater contaminant trends appear to be stable to decreasing, it appears that natural attenuation will be effective in reducing contaminant mass and concentration.

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

Any remaining exposure pathways will be addressed via natural attenuation.

K. Identify any system hardware anticipated to be left in place after site closure, and explain the reasons why it will remain.

No system hardware is anticipated to be left in place after site closure.

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

Monitoring wells MW-1R (Lead, Benzene, Ethylbenzene, Naphthalene, Toluene, Trimethylbenzenes, and Xylene) and MW-5 (Benzene) currently exceed the NR140 ES and/or PAL.

M. If a DNR action level for vapor intrusion was exceeded (for indoor air, sub slab, or both) describe where it was exceeded and how the pathway was addressed.

The sub-slab vapor results showed no exceedances of the WDNR Residential Sub-Slab Vapor Action Levels.

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

No surface water and/or sediment samples were collected.

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

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

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

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

6. Underground Storage Tanks

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

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

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

General Instructions

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

Data Tables (Attachment A)

Directions for Data Tables:

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

A. Data Tables

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

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

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

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

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

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

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

Maps, Figures and Photos (Attachment B)

Directions for Maps, Figures and Photos:

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

B.1. Location Maps

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

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

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

B.2. Soil Figures

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

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

B.3. Groundwater Figures

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

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

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

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

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

B.4. Vapor Maps and Other Media

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

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

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

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

Documentation of Remedial Action (Attachment C)

Directions for Documentation of Remedial Action:

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

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

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

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

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

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

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

Maintenance Plan(s) and Photographs (Attachment D)

Directions for Maintenance Plans and Photographs:

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

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

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

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

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

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

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

Monitoring Well Information (Attachment E)

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

Select One:

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

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

◯ ***Select One or More:***

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

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

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

Source Legal Documents (Attachment F)

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

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

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

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

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

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

Notifications to Owners of Affected Properties (Attachment G)

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

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

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

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

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

Notifications to Owners of Affected Properties (Attachment G)

							Reasons Notification Letter Sent:														
ID	Address of Affected Property	Parcel ID No.	Date of Receipt of Letter	Type of Property Owner	WTMX	WTMY	Residual Groundwater Contamination = or > ES	Residual Soil Contamination Exceeds RCLs	Monitoring Wells: Not Abandoned	Monitoring Wells: Continued Monitoring	Cover/Barrier/Engineered Control	Structural Impediment	Industrial RCLs Met/Applied	Vapor Mitigation System(VMS)	Dewatering System Needed for VMS	Compounds of Concern in Use	Commercial/Industrial Vapor Exposure Assumptions Applied	Residual Volatile Contamination Poses Future Risk of Vapor Intrusion	Site Specification Situation
A	US Highway 12/State Highway 27		11/06/2018	ROWH	452887	442654	X	X											
B																			
C																			
D																			

Signatures and Findings for Closure Determination

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

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

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

Engineering Certification

I THOMAS PIGNET hereby certify that I am a registered professional engineer in the State of Wisconsin, registered in accordance with the requirements of ch. A-E 2, 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."

THOMAS PIGNET	Engineer
Printed Name	Title

Thomas Pignet (reviewed)	2/28/19	33227-006
Signature	Date	P.E. Stamp and Number

Hydrogeologist Certification

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

Ronald J. Anderson	Senior Hydrogeologist/Project Manager
Printed Name	Title

Ronald S. Anderson	3/5/19
Signature	Date

Attachment A/Data Tables

A.1 Groundwater Analytical Table(s)

A.2 Soil Analytical Results Table(s)

A.3 Residual Soil Contamination Table(s)

A.4 Vapor Analytical Table(s)

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

A.6 Water Level Elevations

A.7 Other – Natural Attenuation Data, Free Product Recovery, and Flow Velocity Calculations

A.1 Groundwater Analytical Table
(Geoprobe)
Dave's Gas Station BRRTS# 03-27-001459

Sample ID	Date	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
G-1-W	10/14/14	**1240**	**1100**	<23	**370**	**5400**	**2010**	**7220**
G-2-W	10/14/14	*1.84*	8.6	<0.23	4.3	8.7	43.2	53.7
G-3-W	10/14/14	<0.24	2.58	<0.23	<1.7	0.91	8.51	9.01
G-4-W	10/14/14	*0.50*	1.94	<0.23	<1.7	1.64	3.08-4.48	9.45
G-5-W	10/14/14	<0.24	2.41	<0.23	<1.7	4	5.56	12.4
G-6-W	10/14/14	**4400**	**1490**	<37	**560**	**13000**	**2020**	**7940**
G-7-W	10/14/14	0.35	2.67	<0.23	<1.7	5.8	10.89	15.1
G-8-W	10/14/14	<0.24	<0.55	<0.23	<1.7	<0.69	<3.6	<1.32
G-9-W	10/14/14	<0.24	<0.55	<0.23	<1.7	<0.69	<3.6	3.07
G-10-W	10/14/14	<0.24	<0.55	<0.23	<1.7	<0.69	<3.6	<1.32
G-11-W	10/14/14	**380**	*191*	<3.7	*62*	46	*204*	*966*
G-12-W	10/14/14	**680**	**810**	<23	**350**	**3800**	**3570**	**8870**
G-13-W	10/14/14	**77**	**910**	<23	**314**	**1030**	**2160**	**4840**
G-14-W	10/14/14	<0.27	1.4	<0.37	<1.2	1.21	4.51	6.5
G-15-W	10/14/14	<0.27	<0.82	<0.37	<1.2	<0.8	1.03-1.89	<2.41
G-16-W	10/14/14	**203**	**1620**	<23	**450**	**5200**	**3360**	**9020**
ENFORCE MENT STANDARD ES =		**5**	**700**	**60**	**100**	**800**	**480**	**2000**
PREVENTIVE ACTION LIMIT PAL =		*0.5*	*140*	*12*	*10*	*160*	*96*	*400*

NS = Not Sampled
(ppb) = parts per billion (ppm) = parts per million
DRO = Diesel Range Organics
GRO = Gasoline Range Organics

A.1 Groundwater Analytical Table
Daves Gas Station Site BRRT's# 03-27-001459

Well MW-1/1R MW-1R 937.20
PVC Elevation = MW-1 937.03 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
11/04/15	932.05	4.98	**38.5**	**610**	**950**	<110	**370**	**3020**	**4320**	**5540**
02/09/16	FREE PRODUCT		*10.6*	**200**	**1350**	<24.5	**1000**	**1580**	**5350**	**8410**
06/21/17	MW-1 WAS ABANDONED & REMOVED DURING EXCAVATION PROJECT									
08/23/17	MW-1 WAS REPLACED WITH MW-1R									
09/26/17	932.32	4.88	*5.0*	**700**	**750**	<21.5	**440**	**2080**	**2100**	**4750**
12/20/17	932.05	5.15	*3.3*	**690**	*570*	<21.5	**252**	**1950**	**2790**	**4170**
04/05/18	932.62	4.58	**51.3**	**910**	*610*	<28.5	**330**	**2450**	**2050**	**3970**
06/27/18	932.92	4.28	*4.0*	**320**	*330*	<28.5	**420**	*450*	**2240**	**2860**
ENFORCE MENT STANDARD **ES = Bold**			**15**	**5**	**700**	**60**	**100**	**800**	**480**	**2000**
PREVENTIVE ACTION LIMIT *PAL = Italics*			*1.5*	*0.5*	*140*	*12*	*10*	*160*	*96*	*400*

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

Well MW-2
PVC Elevation = 936.63 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
11/04/15	932.47	4.16	*1.5*	**7.7**	1.8	<1.1	2.3	0.49	<3.1	4.34
02/09/16	932.48	4.15	*3.9*	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
09/26/17	932.56	4.07	<0.9	<0.27	<0.56	<0.43	<1.7	<0.33	<1.14	<1.71
12/20/17	932.26	4.37	<0.9	<0.27	<0.56	<0.43	<1.7	<0.33	<1.14	<1.71
04/05/18	932.88	3.75	<0.9	<0.22	<0.53	<0.57	<1.7	<0.45	<1.48	<1.58
06/27/18	933.01	3.62	<0.8	<0.53	<0.57	<1.7	<0.45	<1.48	<1.58	<1.58
ENFORCE MENT STANDARD **ES = Bold**			**15**	**5**	**700**	**60**	**100**	**800**	**480**	**2000**
PREVENTIVE ACTION LIMIT *PAL = Italics*			*1.5*	*0.5*	*140*	*12*	*10*	*160*	*96*	*400*

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

Well MW-3
PVC Elevation = 936.72 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
11/04/15	932.17	4.55	<0.7	<0.44	<0.71	<1.1	<1.6	<0.44	<3.1	<3.1
02/09/16	932.21	4.51	<0.7	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
09/26/17	932.35	4.37	NS	<0.27	<0.56	<0.43	<1.7	<0.33	<1.14	<1.71
12/20/17	932.14	4.58	NS	<0.27	<0.56	<0.43	<1.7	<0.33	<1.14	<1.71
04/05/18	932.61	4.11	NS	<0.22	<0.53	<0.57	<1.7	<0.45	<1.48	<1.58
06/27/18	932.84	3.88	NS	<0.22	<0.53	<0.57	<1.7	<0.45	<1.48	<1.58
ENFORCE MENT STANDARD **ES = Bold**			**15**	**5**	**700**	**60**	**100**	**800**	**480**	**2000**
PREVENTIVE ACTION LIMIT *PAL = Italics*			*1.5*	*0.5*	*140*	*12*	*10*	*160*	*96*	*400*

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

A.1 Groundwater Analytical Table
Daves Gas Station Site BRRT's# 03-27-001459

Well MW-4
PVC Elevation = 936.09 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
11/04/15	932.37	3.72	<0.7	<0.44	<0.71	<1.1	<1.6	<0.44	<3.1	<3.1
02/09/16	932.39	3.70	<0.7	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
09/26/17	932.62	3.47	NS	*4.2*	1.37	<0.43	<1.7	0.44	1.87-2.45	<1.71
12/20/17	932.24	3.85	NS	<0.27	<0.56	<0.43	<1.7	<0.33	<1.14	<1.71
04/05/18	932.73	3.36	NS	<0.22	<0.53	<0.57	<1.7	<0.45	<1.48	<1.58
06/27/18	932.95	3.14	NS	<0.22	<0.53	<0.57	<1.7	<0.45	<1.48	<1.58
ENFORCE MENT STANDARD **ES = Bold**			**15**	**5**	**700**	**60**	**100**	**800**	**480**	**2000**
PREVENTIVE ACTION LIMIT *PAL = Italics*			*1.5*	*0.5*	*140*	*12*	*10*	*160*	*96*	*400*

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

Well MW-5
PVC Elevation = 937.76 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
11/04/15	932.92	4.84	<0.7	<0.44	3.07	<1.1	*27.8*	<0.44	18	4.74
02/09/16	933.29	4.47	<0.7	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
09/26/17	933.24	4.52	NS	0.27	<0.56	<0.43	<1.7	<0.33	<1.14	<1.71
12/20/17	932.56	5.20	NS	*0.57*	3.7	<0.43	<1.7	0.41	25.3	10.77
04/05/18	933.09	4.67	NS	*1.76*	6.8	<0.57	3.3	0.95	50.6	21.8
06/27/18	933.52	4.24	NS	*1.58*	1.64	<0.57	<1.7	0.85	17.2	3.12
ENFORCE MENT STANDARD **ES = Bold**			**15**	**5**	**700**	**60**	**100**	**800**	**480**	**2000**
PREVENTIVE ACTION LIMIT *PAL = Italics*			*1.5*	*0.5*	*140*	*12*	*10*	*160*	*96*	*400*

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

A.1 Groundwater Analytical Table
Daves Gas Station Site BRRT's# 03-27-001459

Well Sampling Conducted on:	11/04/15	11/04/15	11/04/15	11/04/15	11/04/15		
VOC's Well Name	MW-1	MW-2	MW-3	MW-4	MW-5	ENFORCE MENT STANDARD = ES – Bold	*PREVENTIVE ACTION LIMIT = PAL - Italics*
Lead, dissolved/ppb	**38.5**	*1.5*	< 0.7	< 0.7	< 0.7	**15**	*1.5*
Benzene/ppb	**610**	**7.7**	< 0.44	< 0.44	< 0.44	**5**	*0.5*
Bromobenzene/ppb	< 48	< 0.48	< 0.48	< 0.48	< 0.48	==	==
Bromodichloromethane/ppb	< 46	< 0.46	< 0.46	< 0.46	< 0.46	**0.6**	*0.06*
Bromoform/ppb	< 46	< 0.46	< 0.46	< 0.46	< 0.46	**4.4**	*0.44*
tert-Butylbenzene/ppb	< 110	< 1.1	< 1.1	< 1.1	< 1.1	==	==
sec-Butylbenzene/ppb	< 120	< 1.2	< 1.2	< 1.2	< 1.2	==	==
n-Butylbenzene/ppb	380	< 1	< 1	< 1	1.91 "J"	==	==
Carbon Tetrachloride/ppb	< 51	< 0.51	< 0.51	< 0.51	< 0.51	**5**	*0.5*
Chlorobenzene/ppb	< 46	< 0.46	< 0.46	< 0.46	< 0.46	==	==
Chloroethane/ppb	< 65	< 0.65	< 0.65	< 0.65	< 0.65	**400**	*80*
Chloroform/ppb	< 43	< 0.43	< 0.43	< 0.43	< 0.43	**6**	*0.6*
Chloromethane/ppb	< 190	< 1.9	< 1.9	< 1.9	< 1.9	**30**	*3*
2-Chlorotoluene/ppb	< 40	< 0.4	< 0.4	< 0.4	< 0.4	==	==
4-Chlorotoluene/ppb	< 63	< 0.63	< 0.63	< 0.63	< 0.63	==	==
1,2-Dibromo-3-chloropropane/p	< 140	< 1.4	< 1.4	< 1.4	< 1.4	**0.2**	*0.02*
Dibromochloromethane/ppb	< 45	< 0.45	< 0.45	< 0.45	< 0.45	**60**	*6*
1,4-Dichlorobenzene/ppb	< 49	< 0.49	< 0.49	< 0.49	< 0.49	**75**	*15*
1,3-Dichlorobenzene/ppb	< 52	< 0.52	< 0.52	< 0.52	< 0.52	**600**	*120*
1,2-Dichlorobenzene/ppb	< 46	< 0.46	< 0.46	< 0.46	< 0.46	**600**	*60*
Dichlorodifluoromethane/ppb	< 87	< 0.87	< 0.87	< 0.87	< 0.87	**1000**	*200*
1,2-Dichloroethane/ppb	< 48	< 0.48	< 0.48	< 0.48	< 0.48	**5**	*0.5*
1,1-Dichloroethane/ppb	< 110	< 1.1	< 1.1	< 1.1	< 1.1	**850**	*85*
1,1-Dichloroethene/ppb	< 65	< 0.65	< 0.65	< 0.65	< 0.65	**7**	*0.7*
cis-1,2-Dichloroethene/ppb	< 45	< 0.45	< 0.45	< 0.45	< 0.45	**70**	*7*
trans-1,2-Dichloroethene/ppb	< 54	< 0.54	< 0.54	< 0.54	< 0.54	**100**	*20*
1,2-Dichloropropane/ppb	< 43	< 0.43	< 0.43	< 0.43	< 0.43	**5**	*0.5*
2,2-Dichloropropane/ppb	< 310	< 3.1	< 3.1	< 3.1	< 3.1	==	==
1,3-Dichloropropane/ppb	< 42	< 0.42	< 0.42	< 0.42	< 0.42	==	==
Di-Isopropyl ether/ppb	< 44	< 0.44	< 0.44	< 0.44	< 0.44	==	==
EDB (1,2-Dibromoethane)/ppb	< 63	< 0.63	< 0.63	< 0.63	< 0.63	**0.05**	*0.005*
Ethylbenzene/ppb	**950**	1.8 "J"	< 0.71	< 0.71	3.07	**700**	*140*
Hexachlorobutadiene/ppb	< 220	< 2.2	< 2.2	< 2.2	< 2.2	==	==
Isopropylbenzene/ppb	90 "J"	< 0.82	< 0.82	< 0.82	1.15 "J"	==	==
p-Isopropyltoluene/ppb	< 110	< 1.1	< 1.1	< 1.1	< 1.1	==	==
Methylene chloride/ppb	< 130	< 1.3	< 1.3	< 1.3	< 1.3	**5**	*0.5*
Methyl tert-butyl ether (MTBE)/p	< 110	< 1.1	< 1.1	< 1.1	< 1.1	**60**	*12*
Naphthalene/ppb	**370 "J"**	2.3 "J"	< 1.6	< 1.6	*27.8*	**100**	*10*
n-Propylbenzene/ppb	350	< 0.77	< 0.77	< 0.77	3.6	==	==
1,1,2,2-Tetrachloroethane/ppb	< 52	< 0.52	< 0.52	< 0.52	< 0.52	**0.2**	*0.02*
1,1,1,2-Tetrachloroethane/ppb	< 48	< 0.48	< 0.48	< 0.48	< 0.48	**70**	*7*
Tetrachloroethene (PCE)/ppb	< 49	< 0.49	< 0.49	< 0.49	< 0.49	**5**	*0.5*
Toluene/ppb	**3020**	0.49 "J"	< 0.44	< 0.44	< 0.44	**800**	*160*
1,2,4-Trichlorobenzene/ppb	< 170	< 1.7	< 1.7	< 1.7	< 1.7	**70**	*14*
1,2,3-Trichlorobenzene/ppb	< 270	< 2.7	< 2.7	< 2.7	< 2.7	==	==
1,1,1-Trichloroethane/ppb	< 84	< 0.84	< 0.84	< 0.84	< 0.84	**200**	*40*
1,1,2-Trichloroethane/ppb	< 48	< 0.48	< 0.48	< 0.48	< 0.48	**5**	*0.5*
Trichloroethene (TCE)/ppb	< 47	< 0.47	< 0.47	< 0.47	< 0.47	**5**	*0.5*
Trichlorofluoromethane/ppb	< 87	< 0.87	< 0.87	< 0.87	< 0.87	==	==
1,2,4-Trimethylbenzene/ppb	**3200**	< 1.6	< 1.6	< 1.6	14.6		
1,3,5-Trimethylbenzene/ppb	**1120**	< 1.5	< 1.5	< 1.5	3.4 "J"	**Total TMB's 480**	*Total TMB's 96*
Vinyl Chloride/ppb	< 17	< 0.17	< 0.17	< 0.17	< 0.17	**0.2**	*0.02*
m&p-Xylene/ppb	**4100**	3.2 "J"	< 2.2	< 2.2	3.6 "J"		
o-Xylene/ppb	**1440**	1.14 "J"	< 0.9	< 0.9	1.14 "J"	**Total Xylenes 2000**	*Total Xylenes 400*

NS = not sampled, NM = Not Measured
Q = Analyte detected above laboratory method detection limit but below practical quantitation limit.
= = No Exceedences
(ppb) = parts per billion
(ppm) = parts per million
"J" Flag: Analyte detected between LOD and LOQ LOD Limit of Detection LOQ Limit of Quantitation

A.2. Soil Analytical Results Table
Dave's Gas Station BRRTS# 03-27-001459

Sample ID	Depth (feet)	Saturation U/S	Date	PID	Lead (ppm)	DRO (ppm)	GRO (ppm)	Benzene (ppm)	Ethyl Benzene (ppm)	MTBE (ppm)	Naph-thalene (ppm)	Toluene (ppm)	1,2,4-Trime-thylbenzene (ppm)	1,3,5-Trime-thylbenzene (ppm)	Xylene (Total) (ppm)	Other VOC's (ppb)	DIRECT CONTACT PVOC Exeedance Count	DIRECT CONTACT PVOC Hazard Index	DIRECT CONTACT PVOC Cumulative Cancer Risk
B-15	2-4	U	05/05/11	8	18.50	NS	10.5	**0.0587**	0.182	<0.025	<0.025	0.0332	0.307	<0.025	0.1899	NS	0	0.0016	3.8E-08
B-16	7-8	S	05/05/11	560	9.00	NS	708	**1.63**	**20.8**	<0.312	**134**	**57.4**	**47.3**	**15.1**	**111.2**	NS	0		
B-17	2-4	U	05/05/11	568	**29.40**	NS	5760	**(8.43)**	**(139)**	<5.0	**(67.1)**	**287**	**(424)***	**(581)***	**(806)***	NS	**6**	4.3813	3.5E-05
B-22	2-4	U	05/05/11	7	1.20	NS	<2.6	<0.025	<0.025	<0.025	<0.025	<0.025	0.0457	<0.025	0.06x	NS	0	0.0001	
Sample #1	8	S	08/19/13	770	3.60	NS	NS	<0.125	6.07	<0.125	**3.22**	**1.28**	**23.6**	**8.06**	**27.55**	NS			
Sample #2	8	S	08/19/13	17	14.60	NS	NS	<0.025	<0.025	<0.025	0.0716	<0.025	0.333	0.186	0.284	NS			
Sample #3	8	S	08/19/13	115	12.00	NS	NS	<0.025	0.127	<0.025	0.328	<0.025	**1.9**	**1.01**	0.2494	NS			
Sample #4	8	S	08/19/13	51	4.20	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	0.0565 "J"	0.0387 "J"	<0.0789 "J"	NS			
Sample #5	8	S	08/19/13	1267	23.80	NS	NS	**1.820 "J"**	**66.7**	<1.250	**40.1**	**95.4**	**233***	**79.8**	**451***	NS			
Sample #6	8	S	08/19/13	1538	1.80	NS	NS	**0.563**	0.274	<0.025	0.0737	**2.05**	0.27	0.081	1.511	NS			
Sample #7	8	S	08/19/13	528	1.60	NS	NS	**1.08**	**1.69**	<0.050	**1.24**	**5.12**	**6.05**	**2.38**	**9.19**	NS			
Sample #8	5	S	08/19/13	2175	11.90	NS	NS	**1.230 "J"**	**47.6**	<0.625	**20.9**	**57.2**	**114**	**35.7**	**267.6***	NS			
Sample #9	5	S	08/19/13	1483	12.70	NS	NS	<1.000	**9.51**	<1.000	**11.6**	**7.42**	**264***	**96.9**	**67.7**	NS			
Sample #10	5	S	08/19/13	1632	4.40	NS	NS	<0.200	**4.64**	<0.200	**4.76**	0.689	**30.4**	**12.9**	**18.41**	NS			
Sample #11	5	S	08/19/13	<10	1.00	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-1-1	3.5	U	10/13/14	580	22.3	NS	NS	<0.250	0.400	<0.250	**2.330**	<0.250	**69**	**35**	**14.8**	NS	0	0.3195	4.7E-07
G-1-2	8.0	S	10/13/14	125	NS	NS	NS	**13.1**	**69**	<0.250	**22.1**	**91**	**161**	**57**	**360***	NS			
G-2-1	3.5	U	10/13/14	10	13.9	NS	NS	**0.046**	0.087	<0.025	0.221	0.237	0.253	0.107	0.618	NS	0	0.0035	8.0E-08
G-2-2	8.0	S	10/13/14	50	NS	NS	NS	**0.380**	0.380	<0.025	0.460	0.254	**3.7**	**1.85**	1.48	NS			
G-2-3	10.0	S	10/13/14	10	NOT SAMPLED											NS			
G-3-1	3.5	U	10/13/14	NM	1.64	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0		
G-3-2	8.0	S	10/13/14	NM	NS	NS	NS	<0.025	<0.025	<0.025	0.038	<0.025	0.168	0.0302	<0.075	NS			
G-4-1	3.5	U	10/13/14	0	NOT SAMPLED											NS	0		
G-4-2	8.0	S	10/13/14	0	NOT SAMPLED											NS			
G-5-1	3.5	U	10/13/14	0	NOT SAMPLED											NS	0		
G-5-2	8.0	S	10/13/14	0	NOT SAMPLED											NS			
G-6-1	3.5	U	10/13/14	5	1.87	NS	NS	<0.025	<0.025	<0.025	0.038	<0.025	0.168	0.0302	<0.075	NS	0	0.0008	6.9E-09
G-6-2	8.0	S	10/13/14	965	NS	NS	NS	**39**	**133**	<2.5	**60**	**350**	**311***	**116**	**684***	NS			
G-7-1	3.5	U	10/13/14	0	NOT SAMPLED											NS	0		
G-7-2	8.0	S	10/13/14	0	NOT SAMPLED											NS			
G-8-1	3.5	U	10/13/14	0	NOT SAMPLED											NS	0		
G-8-2	8.0	S	10/13/14	0	NOT SAMPLED											NS			
G-9-1	3.5	U	10/13/14	0	NOT SAMPLED											NS	0		
G-9-2	8.0	S	10/13/14	0	NOT SAMPLED											NS			
G-10-1	3.5	U	10/13/14	0	NOT SAMPLED											NS	0		
G-10-2	8.0	S	10/13/14	0	NOT SAMPLED											NS			
G-11-1	3.5	U	10/13/14	0	NOT SAMPLED											NS	0		
G-11-2	8.0	S	10/13/14	25	NOT SAMPLED											NS			
G-12-1	3.5	U	10/13/14	515	14.3	NS	NS	<1.25	<1.25	<1.25	**4.4**	**1.58**	**99**	**41**	**63.7**	NS	0	0.4893	8.0E-07
G-12-2	8.0	S	10/13/14	580	3.6	NS	NS	**5.6**	**89**	<1.5	**42**	**88**	**276***	**81**	**484***	SEE VOC SHEET			
G-13-1	3.5	U	10/13/14	0	3.1	NS	NS	<0.025	<0.025	<0.025	0.0263	0.039	0.0252	<0.025	0.0307-0.0807	NS	0	0.0003	4.8E-09
G-13-2	8.0	S	10/13/14	320	NS	NS	NS	**0.0286**	0.126	<0.025	0.045	0.063	0.211	0.082	0.503	NS			
G-14-1	3.5	U	10/13/14	5	**27.2**	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0		
G-14-2	8.0	S	10/13/14	0	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-15-1	3.5	U	10/13/14	0	**83.8**	NS	NS	<0.025	<0.025	<0.025	0.044	0.036	0.043	<0.025	0.098	NS	0	0.2100	8.0E-09
G-15-2	8.0	S	10/13/14	0	NS	NS	NS	<0.025	<0.025	<0.025	0.036	0.032	0.0272	<0.025	0.026-0.076	NS			
G-16-1	3.5	U	10/13/14	1300	13.8	NS	NS	**0.420**	0.410	<0.250	**1.36**	0.390	**12**	**10.3**	**7.21**	NS	0	0.0831	5.6E-07
G-16-2	8.0	S	10/13/14	550	NS	NS	NS	**7.1**	**57**	<0.250	**18.7**	**25.6**	**155**	**57**	**231**	NS			
MW-1-1	3.5	U	08/28/15	215	NS	NS	360	**0.089**	0.205	<0.025	**1.38**	0.133	**14.9**	**9.3**	1.49	NS	0	0.0779	3.3E-07
MW-1-2	8.0	S	08/28/15	845	1.57	NS	430	**1.4**	**7**	<0.025	**2.58**	**10.6**	**18.3**	**7**	**34.8**	TCLP LEAD 1.3			
MW-1-3	9.5	S	08/28/15	15	NOT SAMPLED											NS			
MW-2-1	3.5	U	08/28/15	2.6	NOT SAMPLED											NS	0		
MW-2-2	8.0	S	08/28/15	8.4	NOT SAMPLED											NS			
MW-2-3	9.0	S	08/28/15	2.9	NOT SAMPLED											NS			
MW-3-1	3.5	U	08/28/15	2.0	NOT SAMPLED											NS	0		
MW-3-2	8.0	S	08/28/15	1.5	NOT SAMPLED											NS			
MW-3-3	7.0	S	08/28/15	2.5	NOT SAMPLED											NS			
MW-4-1	3.5	U	08/28/15	2.5	NOT SAMPLED											NS	0		
MW-4-2	8.0	S	08/28/15	2.9	NOT SAMPLED											NS			
MW-4-3	8.0	S	08/28/15	1.5	NOT SAMPLED											NS			
MW-5-1	3.5	U	08/28/15	3.7	NOT SAMPLED											NS			
MW-5-2	8.0	S	08/28/15	2.7	NOT SAMPLED											NS			
MW-5-3	8.5	S	08/28/15	2.5	NOT SAMPLED											NS			
EX-1	3.0	U	06/21/17	NM	NS	NS	NS	**0.246**	**4.6**	<0.125	**2.66**	**2.96**	**14.6**	**5.9**	**23.1**	NS	0	0.1037	1.2E-06
EX-2	6.0	S	06/21/17	NM	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
EX-3	3.0	U	06/21/17	NM	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0		
EX-4	3.0	U	06/21/17	NM	NS	NS	NS	<0.125	<0.125	<0.125	**4.9**	<0.125	**7.8**	**6.8**	1.71	NS	0	0.0706	8.9E-07
EX-5	6.0	S	06/21/17	NM	NS	NS	NS	**0.77**	**9.4**	<0.125	**5.0**	**11.6**	**26.9**	**10.5**	**46.7**	NS			
EX-6	6.0	S	06/21/17	NM	NS	NS	NS	**2.65**	**13.1**	<0.25	**8.4**	**18.9**	**134**	**73**	**93.6**	NS			
EX-7	8.0	S	06/21/17	NM	NS	NS	NS	**0.057**	0.072	<0.025	<0.025	0.040	0.211	0.097	0.377	NS			
EX-8	3.0	U	06/21/17	NM	NS	NS	NS	**0.57**	**2.86**	<0.125	**1.77**	0.79	**2.24**	**3.5**	3.11	NS	0	0.0363	1.0E-06
EX-9	6.0	S	06/21/17	NM	NS	NS	NS	**0.0305**	0.119	<0.025	**0.78**	<0.025	**0.81**	**0.73**	0.475	NS			
Groundwater RCL					**27**	-	-	**0.00512**	**1.57**	**0.027**	**0.6582**	**1.11**	**1.38**		**3.96**	-			
Non-Industrial Direct Contact RCL					**400**	-	-	**1.6**	**8.02**	**63.8**	**5.52**	**818**	**219**	**182**	**260**	-		1.00E+00	1.00E-05
Industrial Direct Contact RCL					**(800)**	-	-	**(7.07)**	**(35.4)**	**(282)**	**(24.1)**	**(818)**	**(219)**	**(182)**	**(258)**	-		1.00E+00	1.00E-05
Soil Saturation Concentration (C-sat)*					-	-	-	**1820***	**480***	**8870***	-	**818***	**219***	**182***	**258***	-			

Bold = Groundwater RCL Exceedance
Bold & Underline = Non Industrial Direct Contact RCL Exceedance
(Bold & Parentheses) = Industrial Direct Contact RCL Exceedance
Bold & Asteric * = C-sat Exceedance
Italics = Industrial Direct Contact RCL
NS = Not Sampled
NM = Not Measured
(ppm) = parts per million
ND = No Detects
DRO = Diesel Range Organics
GRO = Gasoline Range Organics
PID = Photoionization Detector
PVOC's = Petroleum Volatile Organic Compounds
VOC's = Volatile Organic Compounds
Note: Non-Industrial RCLs apply to this site.

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

A.2. Soil Analytical Results Table
Dave's Gas Station BRRTS# 03-27-001459

Sampling Conducted on October 13, 2014

VOC's		Bold = Groundwater RCL	Bold = Non-Industrial Direct Contact RCL	& Bold) = Industrial Direct Contact	Bold =Soil Saturation (C-sat)
Sample ID#	G-12-2				
Sample Depth/ft.	8				
Solids Percent	87	= =	= =	= =	= =
Lead/ppm	3.63	27	400	(800)	= =
Benzene/ppm	5.6	0.00512	1.6	(7.07)	1820*
Bromobenzene/ppm	< 0.650	= =	342	(679)	= =
Bromodichloromethane/ppm	< 1.350	0.000326	0.418	(1.83)	= =
Bromoform/ppm	< 1.500	0.00233	25.4	(113)	= =
tert-Butylbenzene/ppm	< 1.000	= =	183	(183)	183*
sec-Butylbenzene/ppm	4.000 "J"	= =	145	(145)	145*
n-Butylbenzene/ppm	23.9	= =	108	(108)	108*
Carbon Tetrachloride/ppm	< 1.250	0.00388	0.916	(4.03)	= =
Chlorobenzene/ppm	< 0.800	= =	370	(761)	761*
Chloroethane/ppm	< 2.100	0.227	= =	= =	= =
Chloroform/ppm	< 2.450	0.0033	0.454	(1.98)	= =
Chloromethane/ppm	< 12.250	0.0155	159	(669)	= =
2-Chlorotoluene/ppm	< 0.800	= =	= =	= =	= =
4-Chlorotoluene/ppm	< 0.700	= =	= =	= =	= =
1,2-Dibromo-3-chloropropane/ppı	< 2.400	0.000173	0.008	(0.092)	= =
Dibromochloromethane/ppm	< 0.700	0.032	8.28	(38.9)	= =
1,4-Dichlorobenzene/ppm	< 1.650	0.144	3.74	(16.4)	= =
1,3-Dichlorobenzene/ppm	< 1.500	1.1528	297	(193)	297*
1,2-Dichlorobenzene/ppm	< 1.900	1.168	376	(376)	376*
Dichlorodifluoromethane/ppm	< 2.850	3.0863	126	(530)	= =
1,2-Dichloroethane/ppm	< 1.800	0.00284	0.652	(2.87)	540*
1,1-Dichloroethane/ppm	< 0.950	0.4834	5.06	(22.2)	= =
1,1-Dichloroethene/ppm	< 1.050	0.00502	320	(1190)	1190*
cis-1,2-Dichloroethene/ppm	< 1.200	0.0412	156	(2340)	= =
trans-1,2-Dichloroethene/ppm	< 1.450	0.626	1560	(1850)	= =
1,2-Dichloropropane/ppm	< 0.475	0.00332	0.406	(1.78)	= =
2,2-Dichloropropane/ppm	< 2.300	= =	527	(527)	527*
1,3-Dichloropropane/ppm	< 1.050	= =	1490	(1490)	1490*
Di-isopropyl ether/ppm	< 0.550	= =	2260	(2260)	2260*
EDB (1,2-Dibromoethane)/ppm	< 1.000	0.0000282	0.05	(0.221)	= =
Ethylbenzene/ppm	89	1.57	8.02	(35.4)	480*
Hexachlorobutadiene/ppm	< 4.750	= =	1.63	(7.19)	= =
Isopropylbenzene/ppm	9.9	= =	= =	= =	= =
p-Isopropyltoluene/ppm	2.770 "J"	= =	162	(162)	162*
Methylene chloride/ppm	< 11.050	0.00256	61.8	(1150)	= =
Methyl tert-butyl ether (MTBE)/pp	< 1.500	0.027	63.8	(282)	8870*
Naphthalene/ppm	42	0.6582	5.52	(24.1)	= =
n-Propylbenzene/ppm	42	= =	= =	= =	= =
1,1,2,2-Tetrachloroethane/ppm	< 0.600	0.000156	0.81	(3.6)	= =
1,1,1,2-Tetrachloroethane/ppm	< 1.150	0.0534	2.78	(12.3)	= =
Tetrachloroethene (PCE)/ppm	< 2.450	0.00454	33	(145)	= =
Toluene/ppm	88	1.11	818	(818)	818*
1,2,4-Trichlorobenzene/ppm	< 3.950	0.408	24	(113)	= =
1,2,3-Trichlorobenzene/ppm	< 6.450	= =	62.6	(934)	= =
1,1,1-Trichloroethane/ppm	< 1.900	0.1402	= =	= =	= =
1,1,2-Trichloroethane/ppm	< 1.150	0.00324	1.59	(7.01)	= =
Trichloroethene (TCE)/ppm	< 1.400	0.00358	1.3	(8.41)	= =
Trichlorofluoromethane/ppm	< 4.300	2.2387	1230	(1230)	1230*
1,2,4-Trimethylbenzene/ppm	276*	1.38	219	(219)	219*
1,3,5-Trimethylbenzene/ppm	81		182	(182)	182*
Vinyl Chloride/ppm	< 1.050	0.000138	0.07	(2.08)	= =
m&p-Xylene/ppm	370*	3.96	260	(260)	258*
o-Xylene/ppm	114*				

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

A.3 Residual Soil Contamination Table
Dave's Gas Station BRRTS# 03-27-001459

																DIRECT CONTACT PVOC		
Sample ID	Depth (feet)	Saturation U/S	Date	PID	Lead (ppm)	DRO (ppm)	GRO (ppm)	Benzene (ppm)	Ethyl Benzene (ppm)	MTBE (ppm)	Naph-thalene (ppm)	Toluene (ppm)	1,2,4-Trime-thylbenzene (ppm)	1,3,5-Trime-thylbenzene (ppm)	Xylene (Total) (ppm)	Other VOC's (ppb)	Exeedance Count	Hazard Index	Cumulative Cancer Risk
B-15	2-4	U	05/05/11	8	18.50	NS	10.5	**0.0587**	0.182	<0.025	<0.025	0.0332	0.307	<0.025	0.1899	NS	0	0.0016	3.8E-08
G-2-1	3.5	U	10/13/14	10	13.9	NS	NS	**0.046**	0.087	<0.025	0.221	0.237	0.253	0.107	0.618	NS	0	0.0035	8.0E-08
G-14-1	3.5	U	10/13/14	5	**27.2**	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0		
G-15-1	3.5	U	10/13/14	0	**83.8**	NS	NS	<0.025	<0.025	<0.025	0.044	0.036	0.043	<0.025	0.098	NS	0	0.2100	8.0E-09
EX-1	3.0	U	06/21/17	NM	NS	NS	NS	**0.246**	**4.6**	<0.125	**2.66**	**2.96**	**14.6**	**5.9**	**23.1**	NS	0	0.1037	1.2E-06
EX-4	3.0	U	06/21/17	NM	NS	NS	NS	<0.125	<0.125	<0.125	**4.9**	<0.125	**7.8**	**6.8**	1.71	NS	0	0.0706	8.9E-07
EX-8	3.0	U	06/21/17	NM	NS	NS	NS	**0.57**	**2.86**	<0.125	**1.77**	0.79	**2.24**	**3.5**	3.11	NS	0	0.0363	1.0E-06
Sample #1	8	S	08/19/13	770	3.60	NS	NS	<0.125	**6.07**	<0.125	**3.22**	**1.28**	**23.6**	**8.06**	**27.55**	NS			
Sample #3	8	S	08/19/13	115	12.00	NS	NS	<0.025	0.127	<0.025	0.328	<0.025	**1.9**	**1.01**	0.2494	NS			
Sample #5	8	S	08/19/13	1267	23.80	NS	NS	**1.820 "J"**	**66.7**	<1.250	**40.1**	**95.4**	**233***	**79.8**	**451***	NS			
Sample #6	8	S	08/19/13	1538	1.80	NS	NS	**0.563**	0.274	<0.025	0.0737	**2.05**	0.27	0.081.	1.511	NS			
Sample #7	8	S	08/19/13	528	1.60	NS	NS	**1.08**	**1.69**	<0.050	**1.24**	**5.12**	**6.05**	**2.38**	**9.19**	NS			
Sample #8	5	S	08/19/13	2175	11.90	NS	NS	**1.230 "J"**	**47.6**	<0.625	**20.9**	**57.2**	**114**	**35.7**	**267.6***	NS			
Sample #9	5	S	08/19/13	1483	12.70	NS	NS	<1.000	**9.51**	<1.000	**11.6**	**7.42**	**264***	**96.9**	**67.7**	NS			
Sample #10	5	S	08/19/13	1632	4.40	NS	NS	<0.200	**4.64**	<0.200	**4.76**	0.689	**30.4**	**12.9**	**18.41**	NS			
G-2-2	8.0	S	10/13/14	50	NS	NS	NS	**0.380**	0.380	<0.025	0.460	0.254	**3.7**	**1.85**	1.48	NS			
G-6-2	8.0	S	10/13/14	965	NS	NS	NS	**39**	**133**	<2.5	**60**	**350**	**311***	**116**	**684***	NS			
G-13-2	8.0	S	10/13/14	320	NS	NS	NS	**0.0286**	0.126	<0.025	0.045	0.063	0.211	0.082	0.503	NS			
EX-5	6.0	S	06/21/17	NM	NS	NS	NS	**0.77**	**9.4**	<0.125	**5.0**	**11.6**	**26.9**	**10.5**	**46.7**	NS			
EX-6	6.0	S	06/21/17	NM	NS	NS	NS	**2.65**	**13.1**	<0.25	**8.4**	**18.9**	**134**	**73**	**93.6**	NS			
EX-7	8.0	S	06/21/17	NM	NS	NS	NS	**0.057**	0.072	<0.025	<0.025	0.040	0.211	0.097	0.377	NS			
EX-9	6.0	S	06/21/17	NM	NS	NS	NS	**0.0305**	0.119	<0.025	**0.78**	<0.025	**0.81**	**0.73**	0.475	NS			
Groundwater RCL					**27**	-	-	**0.00512**	**1.57**	**0.027**	**0.6582**	**1.11**	**1.38**		**3.96**	-			
Non-Industrial Direct Contact RCL					**400**	-	-	**1.6**	**8.02**	**63.8**	**5.52**	**818**	**219**	**182**	**260**	-		1.00E+00	1.00E-05
Industrial Direct Contact RCL					**(800)**	-		**(7.07)**	**(35.4)**	**(282)**	**(24.1)**	**(818)**	**(219)**	**(182)**	**(258)**	-		1.00E+00	1.00E-05
Soil Saturation Concentration (C-sat)*					-	-	-	**1820***	**480***	**8870***	-	**818***	**219***	**182***	**258***	-			

Bold = Groundwater RCL Exceedance
Bold & Underline = Non Industrial Direct Contact RCL Exceedance
(Bold & Parentheses) = Industrial Direct Contact RCL Exceedance
Bold & Asteric * = C-sat Exceedance
Italics = Industrial Direct Contact RCL
NS = Not Sampled
NM = Not Measured
(ppm) = parts per million
ND = No Detects
DRO = Diesel Range Organics
GRO = Gasoline Range Organics
PID = Photoionization Detector
PVOC's = Petroleum Volatile Organic Compounds
VOC's = Volatile Organic Compounds
Note: Non-Industrial RCLs apply to this site.

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

A.4 Vapor Analytical Table
Sub-Slab Sampling Data Table for Dave's Gas Station
BY METCO

Sub-Slab Sampling conducted Conducted on April 5, 2018

Sample ID	VP-1	VP-2	VP-3	WDNR Small Commercial Sub-Slab Vapor Action Levels for Various VOCs Quick Look-Up Table Updated November, 2017 (ug/m^3)	
Benzene – ug/m^3	0.74	3.5	<0.47	530	c
Carbon Tetrachloride – ug/m^3	NS	NS	NS	670	c
Chloroform – ug/m^3	NS	NS	NS	180	c
Chloromethane – ug/m^3	NS	NS	NS	13000	n
Dichlorodifluoromethane – ug/m^3	NS	NS	NS	15000	n
1,1-Dichloroethane (1,1-DCA) – ug/m^3	NS	NS	NS	2600	c
1,2-Dichloroethane (1,2-DCA) - ug/m^3	NS	NS	NS	160	c
1,1-Dichloroethylene (1,1-DCE) – ug/m^3	NS	NS	NS	29000	n
1,2-Dichloroethylene (cis and trans) - ug/m^3	NS	NS	NS	NA	-
Ethylbenzene – ug/m^3	<1.2	<1.2	8.6	1600	c
Methylene chloride – ug/m^3	NS	NS	NS	87000	n
Methyl Tert-Butyl Ether (MTBE) – ug/m^3	<5.1	<5.1	<5.3	16000	c
Naphthalene – ug/m^3	7.4	<3.7	7.9	120	c
Tetrachloroethylene -ug/m^3	NS	NS	NS	6000	n
Toluene – ug/m^3	1.9	6.4	50.3	730000	n
1,1,1-Trichloroethane – ug/m^3	NS	NS	NS	730000	n
Trichloroethylene – ug/m^3	NS	NS	NS	290	n
Trichlorofluoromethane (Halcarbon 11) – ug/m^3	NS	NS	NS	NA	-
Trimethylbenzene (1,2,4) – ug/m^3	2.2	<1.4	29.6	8700	n
Trimethlybenzene (1,3,5) – ug/m^3	<1.4	<1.4	<1.4	8700	n
Vinyl chloride – ug/m^3	NS	NS	NS	930	c
Xylene (total) -ug/m^3	<3.7	5.5	58.8	15000	n

ug/m^3 = Micrograms per cubic meter.
< = Less than the reporting limit indicated in parentheses.
NS = Not Sampled
Bold = Sub-Slab Standard Exceedance
c = Carcinogen
n = Non Carcinogen
J = between Limit of Detection (LOD) and Limit of Quantitaion (LOQ)

A.6 Water Level Elevations
Daves Gas Station Site BRRT's# 03-27-001459
Merrillan, Wisconsin

	MW-1	MW-1R	MW-2	MW-3	MW-4	MW-5
Ground Surface (feet msl)	937.50	937.58	937.12	937.01	936.64	938.19
PVC top (feet msl)	937.03	937.20	936.63	936.72	936.09	937.76
Well Depth (feet)	13.00	13.00	13.00	13.00	13.00	13.00
Top of screen (feet msl)	934.50	934.58	934.12	934.01	933.64	935.19
Bottom of screen (feet msl)	924.50	924.58	924.12	924.01	923.64	925.19
Depth to Water From Top of PVC (feet)						
11/04/15	4.98	NI	4.16	4.55	3.72	4.84
02/09/16	FP	NI	4.15	4.51	3.70	4.47
09/26/17	A	4.88	4.07	4.37	3.47	4.52
12/20/17	A	5.15	4.37	4.58	3.85	5.20
04/05/18	A	4.58	3.75	4.11	3.36	4.67
06/27/18	A	4.28	3.62	3.88	3.14	4.24
Depth to Water From Ground Surface (feet)						
11/04/15	5.45	NI	4.65	4.84	4.27	5.27
02/09/16	FP	NI	4.64	4.80	4.25	4.90
09/26/17	A	5.26	4.56	4.66	4.02	4.95
12/20/17	A	5.53	4.86	4.87	4.40	5.63
04/05/18	A	4.96	4.24	4.40	3.91	5.10
06/27/18	A	4.66	4.11	4.17	3.69	4.67
Groundwater Elevation (feet msl)						
11/04/15	932.05	NI	932.47	932.17	932.37	932.92
02/09/16	FP	NI	932.48	932.21	932.39	933.29
09/26/17	A	932.32	932.56	932.35	932.62	933.24
12/20/17	A	932.05	932.26	932.14	932.24	932.56
04/05/18	A	932.62	932.88	932.61	932.73	933.09
06/27/18	A	932.92	933.01	932.84	932.95	933.52

A = Abandoned and removed during soil excavation project
NI = Not Installed
FP = Free Product

A.7 Other
Groundwater NA Indicator Results
Daves Gas Station Site BRRT's# 03-27-001459

Well MW-1/1R

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Man-ganese (ppb)
11/04/15	2.12	6.83	-76	14.1	970	0.395	1510	8.96	**318**
02/09/16	2.03	7.18	-97	7.9	1287	NS	NS	NS	NS
06/21/17	MW-1 WAS ABANDONED & REMOVED DURING EXCAVATION PROJECT								
08/23/17	MW-1 WAS REPLACED WITH MW-1R								
09/26/17	0.27	7.58	102	18.4	600	NS	NS	NS	NS
12/20/17	1.28	7.26	87	8.8	2111	NS	NS	NS	NS
04/05/18	0.97	7.25	74	6.4	2219	NS	NS	NS	NS
06/27/18	1.40	6.92	-43	18.7	427.3	NS	NS	NS	NS
ENFORCE MENT STANDARD = **ES – Bold**						**10**	-	-	**300**
PREVENTIVE ACTION LIMIT = *PAL - Italics*						*2*	-	-	*60*

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

Well MW-2

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Man-ganese (ppb)
11/04/15	4.02	6.93	245	13.5	638	*2.56*	<300	0.33	*64.7*
02/09/16	4.23	6.93	110	7.7	876	NS	NS	NS	NS
09/26/17	1.03	7.53	259	18.9	583	NS	NS	NS	NS
12/20/17	2.06	6.92	163	8.6	611	NS	NS	NS	NS
04/05/18	2.73	6.98	172	6.1	713	NS	NS	NS	NS
06/27/18	2.74	6.96	248	18.8	489.4	NS	NS	NS	NS
ENFORCE MENT STANDARD = **ES – Bold**						**10**	-	-	**300**
PREVENTIVE ACTION LIMIT = *PAL - Italics*						*2*	-	-	*60*

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

Well MW-3

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Man-ganese (ppb)
11/04/15	5.71	6.59	227	12.9	251	0.750	<300	0.29	*198*
02/09/16	6.71	6.52	229	7.6	589	NS	NS	NS	NS
09/26/17	1.93	7.74	310	19.0	881	NS	NS	NS	NS
12/20/17	3.87	6.76	254	8.2	1647	NS	NS	NS	NS
04/05/18	3.65	6.73	237	5.4	1255	NS	NS	NS	NS
06/27/18	5.21	6.51	205	20.4	1790	NS	NS	NS	NS
ENFORCE MENT STANDARD = **ES – Bold**						**10**	-	-	**300**
PREVENTIVE ACTION LIMIT = *PAL - Italics*						*2*	-	-	*60*

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

A.7 Other
Groundwater NA Indicator Results
Daves Gas Station Site BRRT's# 03-27-001459

Well MW-4

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Man-ganese (ppb)
11/04/15	5.25	6.92	211	13.1	235	0.442	<300	0.31	*116*
02/09/16	5.28	6.27	230	7.4	671	NS	NS	NS	NS
09/26/17	0.88	8.16	322	18.1	2001	NS	NS	NS	NS
12/20/17	2.78	7.19	221	8.0	1293	NS	NS	NS	NS
04/05/18	2.65	7.08	209	5.7	1331	NS	NS	NS	NS
06/27/18	2.42	6.74	237	18.9	215.7	NS	NS	NS	NS
ENFORCE MENT STANDARD = **ES – Bold**						**10**	-	-	**300**
PREVENTIVE ACTION LIMIT = *PAL - Italics*						*2*	-	-	*60*

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

Well MW-5

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Man-ganese (ppb)
11/04/15	6.16	6.70	182	14.4	211	0.265	<300	0.84	*192*
02/09/16	5.49	6.86	181	7.5	552	NS	NS	NS	NS
09/26/17	0.33	8.25	114	18.2	682	NS	NS	NS	NS
12/20/17	3.16	7.07	261	8.4	896	NS	NS	NS	NS
04/05/18	3.21	7.20	217	6.2	958	NS	NS	NS	NS
06/27/18	1.79	7.18	241	18.1	449.3	NS	NS	NS	NS
ENFORCE MENT STANDARD = **ES – Bold**						**10**	-	-	**300**
PREVENTIVE ACTION LIMIT = *PAL - Italics*						*2*	-	-	*60*

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

A.7 Other
Dave's Gas Station (Former)
Flow Velocity Calculations

MW-1

	ft/s	cm/s	m/yr
K	1.12E-05	3.41E-04	107.66
	sq ft/s	**sq cm/s**	
T	9.00E-05	8.36E-02	

MW-2

	ft/s	cm/s	m/yr
K	9.78E-06	2.98E-04	94.01
	sq ft/s	**sq cm/s**	
T	8.65E-05	8.03E-02	

MW-4

	ft/s	cm/s	m/yr
K	4.00E-06	1.22E-04	38.45
	sq ft/s	**sq cm/s**	
T	3.71E-05	3.45E-02	

Date	Elv. (High)	Elv. (Low)	Distance (ft)	Hyd Grad (I)
11/4/2015	932.90	932.30	35	0.0171429
2/9/2016	933.20	932.40	66	0.0121212
9/26/2017	933.00	932.40	28	0.0214286
12/20/2017	932.50	932.10	34	0.0117647
4/5/2018	933.20	932.80	83	0.0048193
6/27/2018	933.40	932.92	45	0.0106667
Average				0.0129905

	K (m/yr)	I	n	Flow Velocity (m/yr)
MW-1	107.66	0.0129905	0.3	4.66186
MW-2	94.01	0.0129905	0.3	4.07079
MW-4	38.45	0.0129905	0.3	1.66495

A.7 Other
Summary of Free Product Levels & Recovery
Dave's Gas Station BRRTS # 03-27-001459

DATE		MW-1	GALS REC./PERIOD	TOT GALS RECOVERED
02/09/16	Inches of FP	7.00	0.09	0.09
	Gals Rec. w/ Absorbent Sock	0.00		
	Gals Rec. w/ Bailer	0.09		
09/26/17	Inches of FP	0.00	0.00	0.09
	Gals Rec. w/ Absorbent Sock	0.00		
	Gals Rec. w/ Bailer	0		
12/20/17	Inches of FP	0.00	0.00	0.09
	Gals Rec. w/ Absorbent Sock	0.00		
	Gals Rec. w/ Bailer	0		
04/05/18	Inches of FP	0.00	0.00	0.09
	Gals Rec. w/ Absorbent Sock	0.00		
	Gals Rec. w/ Bailer	0		
06/27/18	Inches of FP	0.00	0.00	0.09
	Gals Rec. w/ Absorbent Sock	0.00		
	Gals Rec. w/ Bailer	0		

Attachment B/Maps and Figures

B.1 Location Maps

B.1.a Location Map

B.1.b Detailed Site Map

B.1.c RR Site Map

B.2 Soil Figures

B.2.a Soil Contamination

B.2.b Residual Soil Contamination

B.3 Groundwater Figures

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

B.3.b Groundwater Isoconcentration

B.3.c Groundwater Flow Direction

B.3.d Monitoring Wells

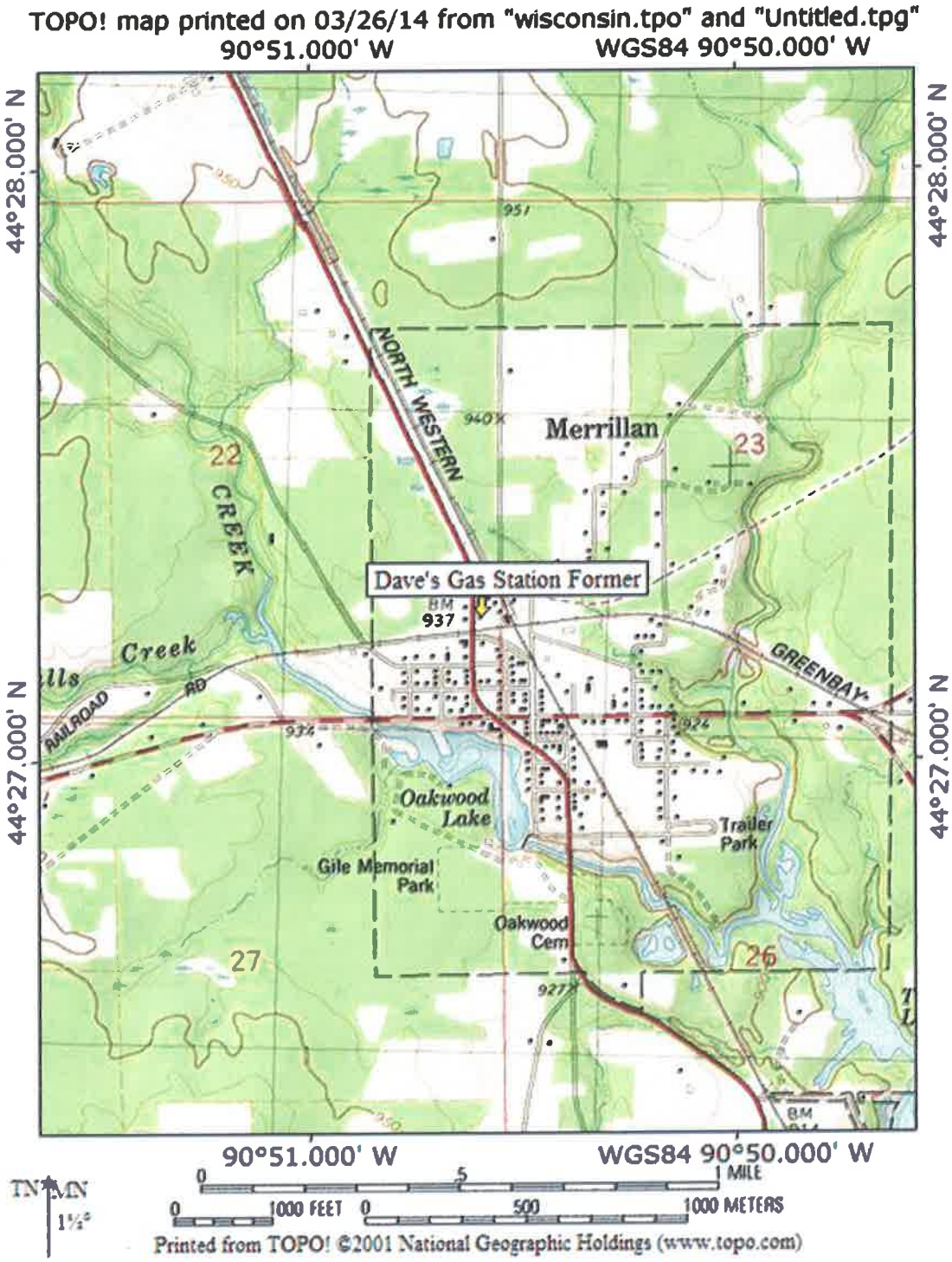
B.4 Vapor Maps and Other Media

B.4.a Vapor Intrusion Map

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

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

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



B.1.a LOCATION MAP CONTOUR INTERVAL 10 FEET
DAVE'S GAS STATION FORMER – MERRILLAN, WI
SEAMLESS USGS TOPOGRAPHIC MAPS ON CD-ROM

B.1.b
DETAILED SITE MAP
DAVE'S GAS STATION (FORMER)

METCO
709 Gillette Street, Suite 3
La Crosse, WI 54603
Tel: (608) 781-8879
Fax: (608) 781-8893
Excellence through experience!SM

MERRILLAN, WISCONSIN

DRAWN BY: ED
DATE: 03/26/2013
UPDATED BY: JJ (10/22/2015)

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

- ⊕ - P2ESA SOIL BORING LOCATION
- ◆ - WDNR EXCAVATION SOIL SAMPLE LOCATION
- ● - WDNR EXCAVATION PID SOIL SAMPLE LOCATION
- ⊗ - EXCAVATION PROJECT SOIL SAMPLING LOCATION
- ✕ - GEOPROBE BORING LOCATION
- ◍ - MONITORING WELL LOCATION
- ⊕ - ABANDONED MONITORING WELL LOCATION
- ■ - SUB SLAB VAPOR SAMPLING LOCATION

- WATER LINE
- SANITARY SEWER LINE
- NATURAL GAS LINE
- OVERHEAD UTILITIES
- PROPERTY BOUNDARY
- TELEPHONE LINE
- BURIED ELECTRIC LINE

SCALE:
1 INCH = 35 FEET
0 17.5 35

- EXCAVATION AREA (METCO, JUNE 2017)

JOYCE SCHEPPA
409 WASHINGTON STREET

UNION PACIFIC RAILROAD RIGHT OF WAY (100 FEET WIDE)

RESIDENCE
JOEY DEMASKE
402 WASHINGTON STREET

APPROXIMATE LIMITS OF WDNR OVEREXCAVATION

TAVERN
403 WASHINGTON STREET

FORMER DAVE'S GAS STATION
405 WASHINGTON STREET

MERRILLAN CAFE
400 WASHINGTON STREET

AREA OF REMOVED USTS

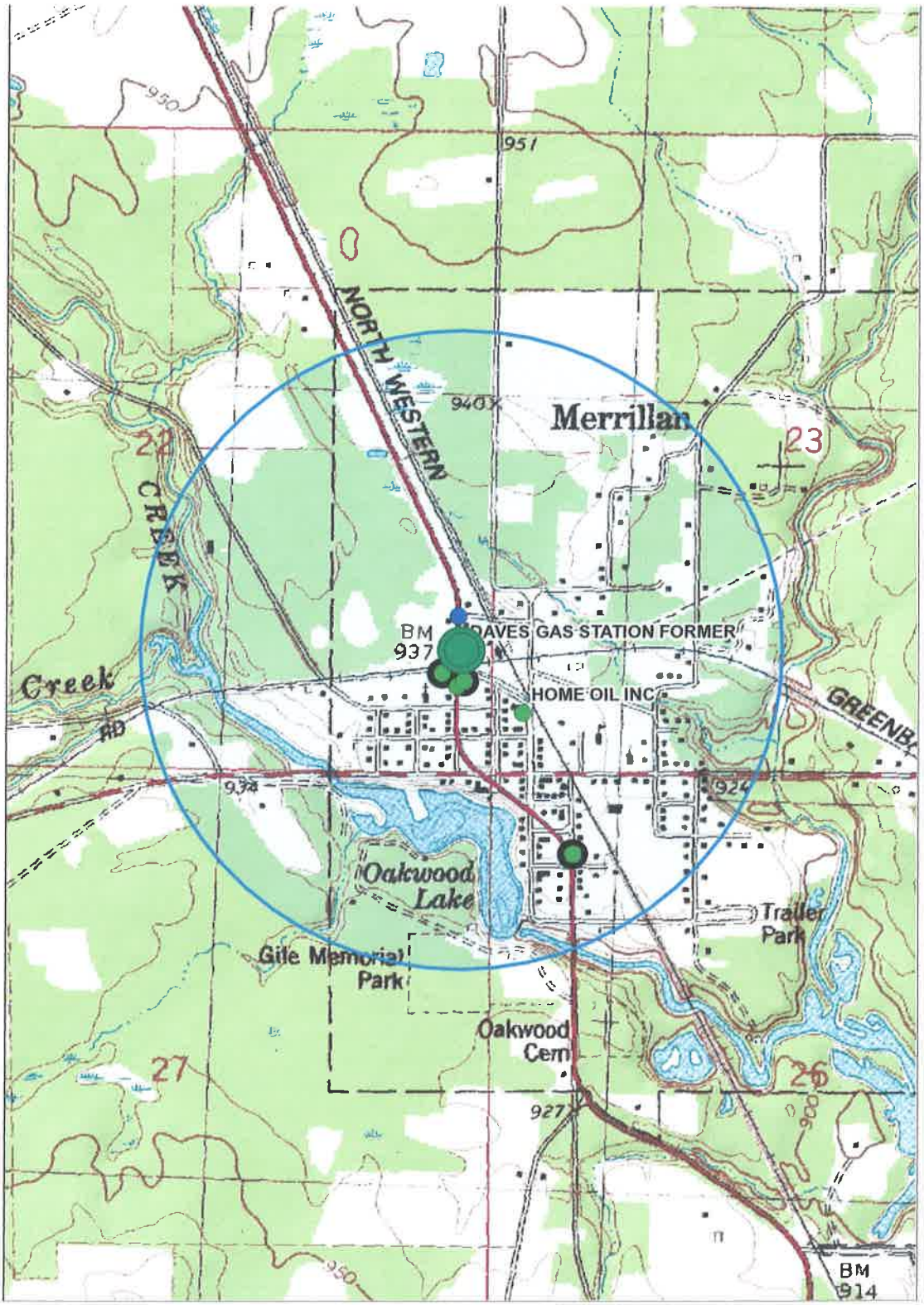
FORMER PUMP ISLAND

WASHINGTON STREET USH 12/STH 27

CANADIAN NATIONAL RAILROAD RIGHT OF WAY (200 FEET WIDE)

EDGE OF RAILROAD TRACKS

B.1.c RR Site Map



Legend

- Open Site
- Closed Site
- Continuing Obligations Apply
- Facility-wide Site

0.5 0 Distance / 2 0.5 Miles

1: 15,840

NAD_1983_HARN_Wisconsin_TM

Note: Not all sites are mapped.

Notes

DAVE'S GAS STATION FORMER
03-27-001459

B.2.a
SOIL CONTAMINATION
DAVE'S GAS STATION (FORMER)

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

MERRILLAN, WISCONSIN

DRAWN BY: ED
DATE: 03/26/2013
UPDATED BY: JJ 60/22/2015)

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

- ⊕ - P2ESA SOIL BORING LOCATION
- ◆ - WDNR EXCAVATION SOIL SAMPLE LOCATION
- ◆ - WDNR EXCAVATION PID SOIL SAMPLE LOCATION
- ⊗ - EXCAVATION PROJECT SOIL SAMPLING LOCATION
- ✕ - GEOPROBE BORING LOCATION
- ◓ - MONITORING WELL LOCATION
- ⊕ - ABANDONED MONITORING WELL LOCATION

- WATER LINE
- SANITARY SEWER LINE
- NATURAL GAS LINE
- OVERHEAD UTILITIES
- PROPERTY BOUNDARY
- TELEPHONE LINE
- BURIED ELECTRIC LINE

SCALE:
1 INCH = 35 FEET
0 17.5 35

- EXCAVATION AREA (METCO, JUNE 2017)

RESIDENCE
JOEY DEMASKE
402 WASHINGTON STREET

MERRILLAN CAFE
400 WASHINGTON STREET

JOYCE SCHEPPA
409 WASHINGTON STREET

TAVERN
403 WASHINGTON STREET

APPROXIMATE LIMITS OF WDNR OVEREXCAVATION

AREA OF REMOVED USTS

FORMER PUMP ISLAND

FORMER DAVE'S GAS STATION
405 WASHINGTON STREET

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

WASHINGTON STREET USH 12/STH 27

UNION PACIFIC RAILROAD RIGHT OF WAY (100 FEET WIDE)

CANADIAN NATIONAL RAILROAD RIGHT OF WAY (200 FEET WIDE)

EDGE OF RAILROAD TRACKS

SIDEWALK
GRASS
GRAVEL
ASPHALT
LIGHT
SIGN

B.2.b RESIDUAL SOIL CONTAMINATION
DAVE'S GAS STATION (FORMER)

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

MERRILLAN, WISCONSIN

DRAWN BY: ED
DATE: 03/26/2013
UPDATED BY: JJ 10/22/2015

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

⊕ - P2ESA SOIL BORING LOCATION

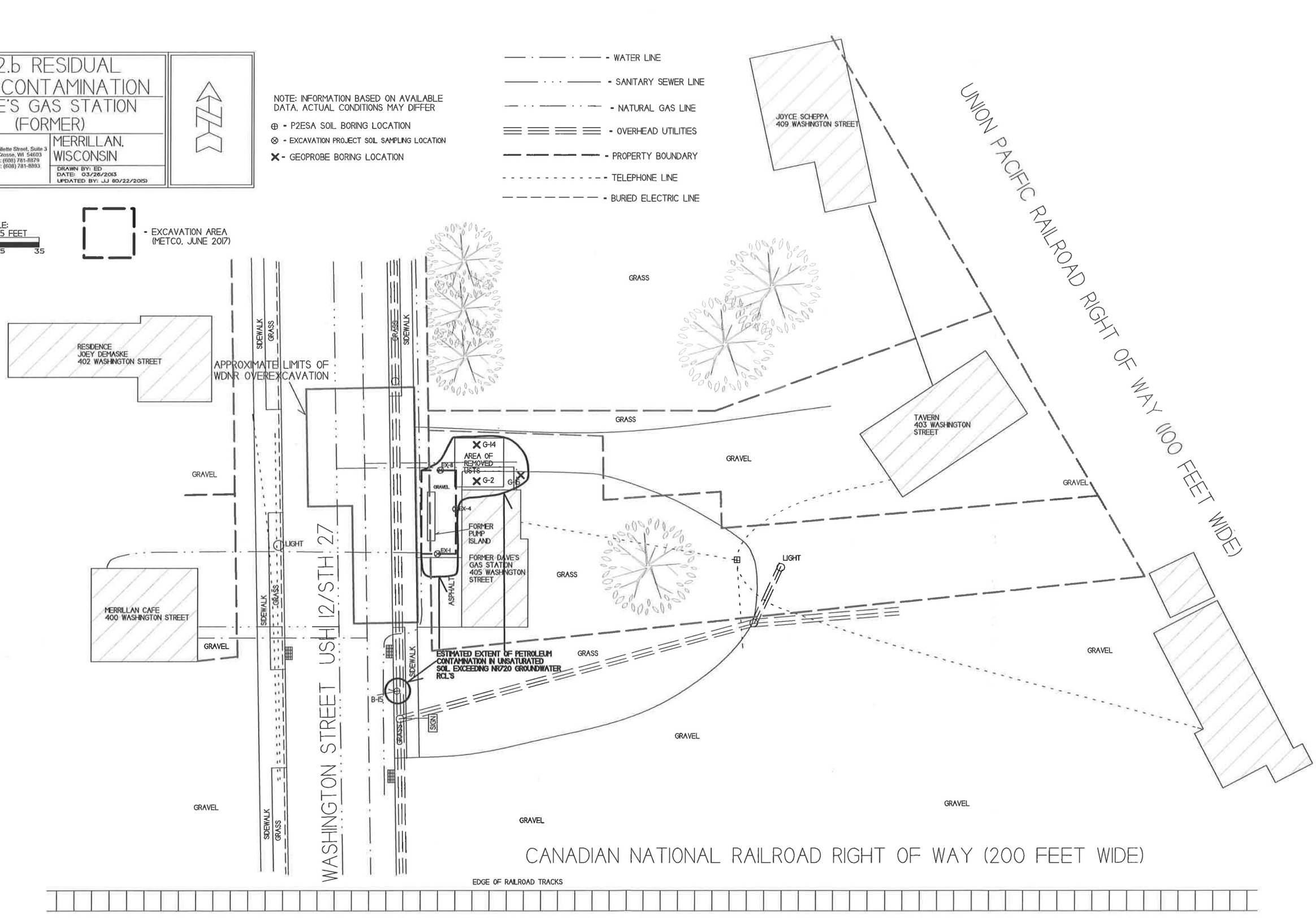
⊗ - EXCAVATION PROJECT SOIL SAMPLING LOCATION

✕ - GEOPROBE BORING LOCATION

- WATER LINE
- SANITARY SEWER LINE
- NATURAL GAS LINE
- OVERHEAD UTILITIES
- PROPERTY BOUNDARY
- TELEPHONE LINE
- BURIED ELECTRIC LINE

SCALE:
1 INCH = 35 FEET
0 17.5 35

- EXCAVATION AREA (METCO, JUNE 2017)



B.3.a.I GEOLOGIC CROSS SECTION FIGURE

DAVE'S GAS STATION (FORMER)

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

MERRILLAN, WISCONSIN

DRAWN BY: ED
DATE: 03/26/2013
UPDATED BY: JJ (10/22/2015)

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

⊕ - P2ESA SOIL BORING LOCATION

◆ - WDNR EXCAVATION SOIL SAMPLE LOCATION

● - WDNR EXCAVATION PID SOIL SAMPLE LOCATION

✕ - GEOPROBE BORING LOCATION

⊕ - MONITORING WELL LOCATION

- WATER LINE
- SANITARY SEWER LINE
- NATURAL GAS LINE
- OVERHEAD UTILITIES
- PROPERTY BOUNDARY
- TELEPHONE LINE
- BURIED ELECTRIC LINE

SCALE:
1 INCH = 35 FEET
0 17.5 35

- EXCAVATION AREA (METCO, 6/21/17)

RESIDENCE
JOEY DEMASKE
402 WASHINGTON STREET

MERRILLAN CAFE
400 WASHINGTON STREET

JOYCE SCHEPPA
409 WASHINGTON STREET

TAVERN
403 WASHINGTON STREET

FORMER DAVE'S GAS STATION
405 WASHINGTON STREET

FORMER PUMP ISLAND

APPROXIMATE LIMITS OF WDNR OVEREXCAVATION

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

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

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

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

AREA OF REMOVED TANKS

ASPHALT

GRASS

GRAVEL

SIDEWALK

LIGHT

MW-1R MW-2 MW-3 MW-4 MW-5

G-1 G-2 G-3 G-4 G-5 G-6 G-7 G-8 G-9 G-10 G-11 G-12 G-13 G-14 G-15 G-16

B-15 B-16 B-17

ES PAL

A A'

WASHINGTON STREET USH 12/STH 27

UNION PACIFIC RAILROAD RIGHT OF WAY (100 FEET WIDE)

CANADIAN NATIONAL RAILROAD RIGHT OF WAY (200 FEET WIDE)

EDGE OF RAILROAD TRACKS

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

DAVE'S GAS STATION (FORMER)

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

MERRILLAN, WISCONSIN

DRAWN BY: ED
DATE: 03/26/2013
UPDATED BY: JJ (10/22/2015)

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

⊕ - P2ESA SOIL BORING LOCATION

◆ - WDNR EXCAVATION SOIL SAMPLE LOCATION

● - WDNR EXCAVATION PID SOIL SAMPLE LOCATION

✕ - GEOPROBE BORING LOCATION

◓ - MONITORING WELL LOCATION

- WATER LINE
- SANITARY SEWER LINE
- NATURAL GAS LINE
- OVERHEAD UTILITIES
- PROPERTY BOUNDARY
- TELEPHONE LINE
- BURIED ELECTRIC LINE

- EXCAVATION AREA (METCO. 6/21/17)

SCALE:
1 INCH = 20 FEET
0 20

APPROXIMATE LIMITS OF WDNR OVEREXCAVATION

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

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

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

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

AREA OF REMOVED USTS

FORMER PUMP ISLAND

FORMER DAVE'S GAS STATION 405 WASHINGTON STREET

ASPHALT

WASHINGTON STREET USH 12/STH 27

SIDEWALK
GRASS
GRAVEL
LIGHT
SIGN
A
A'
MW-1
MW-2
MW-3
MW-4
MW-5
MW-IR
B-15
B-16
B-17
G-1
G-2
G-3
G-4
G-5
G-6
G-7
G-8
G-9
G-10
G-11
G-12
G-13
G-14
G-15
G-16
EX-1
EX-2
EX-3
EX-4
EX-5
EX-6
EX-7
EX-8
EX-9
#1
#2
#3
#4
#5
#6
#7
#8
#9
#10
#11
1
2
3
4
5
6
7
ES
PAL

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

DAVE'S GAS STATION (FORMER)

METCO
709 Gillette St, Suite 3
La Crosse, WI 54603
Tel: (608) 781-9579
Fax: (608) 781-2863
Excellence through experience

MERRILLAN, WISCONSIN

DRAWN BY: JJ 5/10/16

INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER

SOIL SAMPLE RESULTS ARE PRESENTED IN PARTS PER MILLION (PPM).

GROUNDWATER SAMPLE RESULTS ARE PRESENTED IN PARTS PER BILLION (PPB).

GROUNDWATER FLOW IS TOWARD THE SOUTH.

NOTE: SOIL RESULTS SHOW DETECTS AND EXCEEDANCES THAT HAVE BEEN DOCUMENTED ON THE MAP. SEE DATA TABLES AND/OR LABORATORY REPORTS FOR ALL RESULTS

⊕ - P2ESA SOIL BORING LOCATION
◒ - FORMER MONITORING WELL LOCATION
◒ - MONITORING WELL LOCATION
● - GEOPROBE BORING LOCATION
✕ - SOIL SAMPLING LOCATION
▼ - WATERTABLE BASED ON ALL TIME LOW MEASUREMENTS
- EXCAVATION AREA (METCO, 6/21/17)

ND - NO DETECT
PID - PHOTO IONIZATION DETECTOR
GRO - GASOLINE RANGE ORGANICS
PVOC - PETROLEUM VOLATILE ORGANIC COMPOUNDS
B - BENZENE
E - ETHYLBENZENE
MTBE - METHYL-TERT-BUTYL-ETHER
N - NAPHTHALENE
T - TOLUENE
TMB - TRIMETHYLBENZENE
X - XYLENE

HORIZONTAL SCALE:
1 INCH = 20 FEET
0 20

VERTICAL SCALE:
1 INCH = 4 FEET
4 0

NOTE: SOIL AND GROUNDWATER SAMPLE DATA IS BASED ON LABORATORY RESULTS FROM SAMPLES COLLECTED DURING THE FOLLOWING EVENTS:
- GEOPROBE PROJECT (10/13/14)
- DRILLING PROJECT (8/28/15)
- EXCAVATION PROJECT (6/21/17)
- ROUND 8 GROUNDWATER SAMPLING (6/27/18)

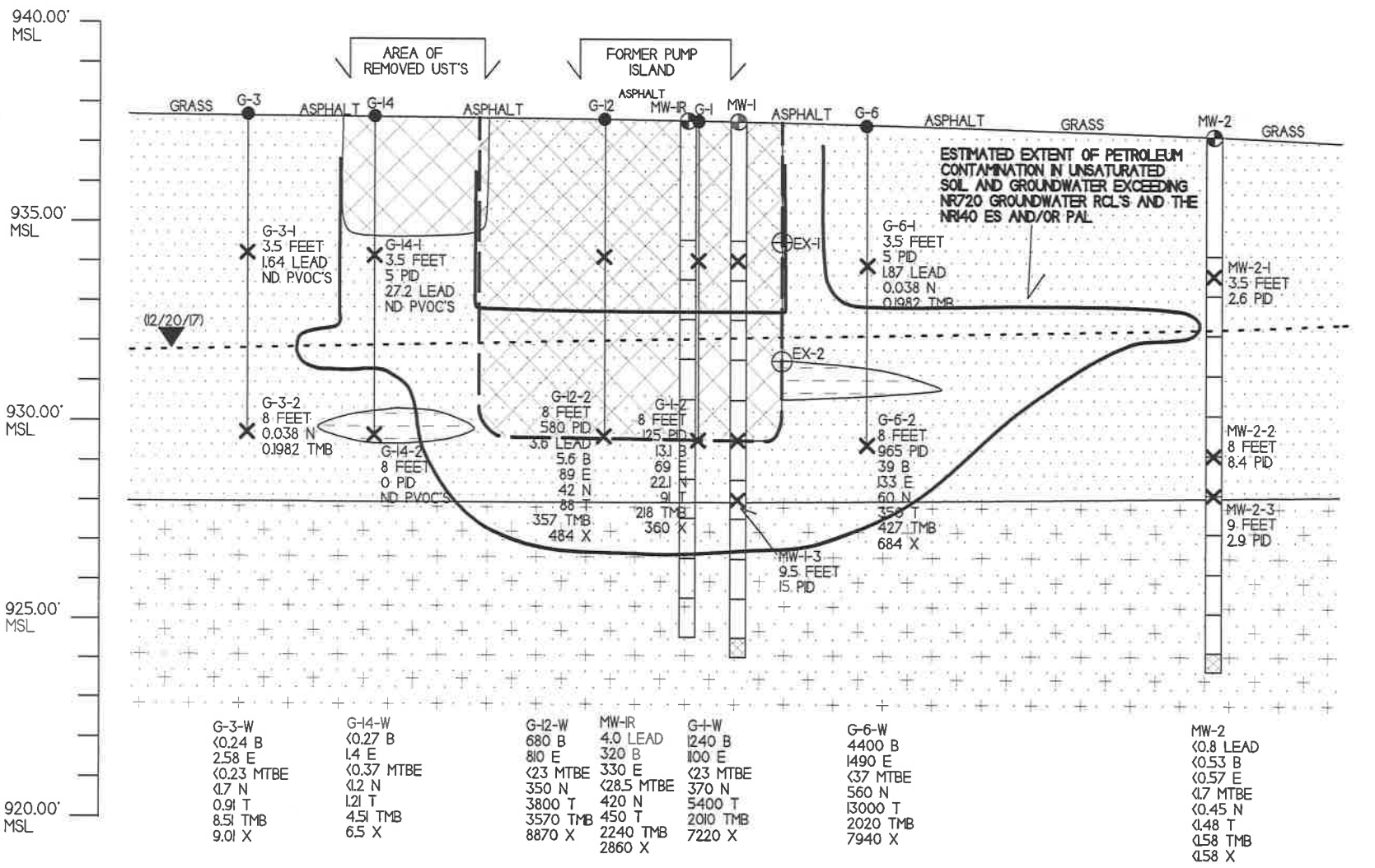
ORANGE TO TAN TO GRAY FINE TO COARSE GRAINED SAND

GRAY CLAY

TAN TO WHITE TO GRAY FINE TO COARSE GRAINED SANDSTONE

FILL MATERIAL

A NORTH — A' SOUTH



B.3.c GROUNDWATER FLOW DIRECTION (6-27-18)

DAVE'S GAS STATION (FORMER)

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

MERRILLAN, WISCONSIN

DRAWN BY: ED
DATE: 03/26/2013
UPDATED BY: JJ (10/22/2015)

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

- ⊕ - P2ESA SOIL BORING LOCATION
- ◆ - WDNR EXCAVATION SOIL SAMPLE LOCATION
- ◉ - WDNR EXCAVATION PID SOIL SAMPLE LOCATION
- ⊗ - EXCAVATION PROJECT SOIL SAMPLING LOCATION
- ✕ - GEOPROBE BORING LOCATION
- ◓ - MONITORING WELL LOCATION
- ⊕ - ABANDONED MONITORING WELL LOCATION
- ■ - SUB SLAB VAPOR SAMPLING LOCATION

- WATER LINE
- SANITARY SEWER LINE
- NATURAL GAS LINE
- OVERHEAD UTILITIES
- PROPERTY BOUNDARY
- TELEPHONE LINE
- BURIED ELECTRIC LINE

SCALE:
1 INCH = 35 FEET
0 17.5 35

- EXCAVATION AREA (METCO, JUNE 2017)

JOYCE SCHEPPA
409 WASHINGTON STREET

UNION PACIFIC RAILROAD RIGHT OF WAY (100 FEET WIDE)

RESIDENCE
JOEY DEMASKE
402 WASHINGTON STREET

APPROXIMATE LIMITS OF WDNR OVEREXCAVATION

TAVERN
403 WASHINGTON STREET

FORMER DAVE'S GAS STATION
405 WASHINGTON STREET

MERRILLAN CAFE
400 WASHINGTON STREET

WASHINGTON STREET USH 12/STH 27

CANADIAN NATIONAL RAILROAD RIGHT OF WAY (200 FEET WIDE)

EDGE OF RAILROAD TRACKS

GRASS
GRAVEL
ASPHALT
SIDEWALK
LIGHT
SIGN

G-1 G-2 G-3 G-4 G-5 G-6 G-7 G-8 G-9 G-10 G-14 G-15
MW-1 MW-2 MW-3 MW-4 MW-5
933.52' MSL
933.50' MSL
933.40' MSL
933.33' MSL
933.20' MSL
932.92' MSL
933.10' MSL
933.00' MSL
932.90' MSL
932.84' MSL
932.95' MSL
933.01' MSL
933.00' MSL
AREA OF REMOVED USTS
FORMER PUMP ISLAND
VP-1 VP-2 VP-3
B-15 B-16 B-17
EX-1 EX-2 EX-3 EX-4 EX-5 EX-6 EX-7 EX-8 EX-9
#1 #2 #3 #4 #5 #6 #7 #8 #9 #10 #11

B.3.b GROUNDWATER ISOCONCENTRATION (6-27-18)

DAVE'S GAS STATION (FORMER)

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

MERRILLAN, WISCONSIN

DRAWN BY: ED
DATE: 03/26/2013
UPDATED BY: JJ (0/22/2015)

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

- ⊕ - P2ESA SOIL BORING LOCATION
- ◈ - WDNR EXCAVATION SOIL SAMPLE LOCATION
- ⊙ - WDNR EXCAVATION PID SOIL SAMPLE LOCATION
- ⊗ - EXCAVATION PROJECT SOIL SAMPLING LOCATION
- ✕ - GEOPROBE BORING LOCATION
- ◓ - MONITORING WELL LOCATION
- ⊕ - ABANDONED MONITORING WELL LOCATION
- ■ - SUB SLAB VAPOR SAMPLING LOCATION

- WATER LINE
- SANITARY SEWER LINE
- NATURAL GAS LINE
- OVERHEAD UTILITIES
- PROPERTY BOUNDARY
- TELEPHONE LINE
- BURIED ELECTRIC LINE

SCALE:
1 INCH = 35 FEET
0 17.5 35

- EXCAVATION AREA (METCO, JUNE 2017)

JOYCE SCHEPPA
409 WASHINGTON STREET

UNION PACIFIC RAILROAD RIGHT OF WAY (100 FEET WIDE)

RESIDENCE
JOEY DEMASKE
402 WASHINGTON STREET

APPROXIMATE LIMITS OF WDNR OVEREXCAVATION

SIDEWALK GRASS SIDEWALK GRASS

GRASS

GRASS

TAVERN
403 WASHINGTON STREET

GRAVEL

GRAVEL

GRAVEL

G-3 MW-5 G-14 AREA OF REMOVED TANKS G-2 G-15 VP-1 FORMER PUMP ISLAND VP-2 G-4 FORMER DAVE'S GAS STATION 405 WASHINGTON STREET VP-3 ASPHALT

B-17 B-16 B-15 EX-8/ EX-9 EX-7 EX-6 EX-5 EX-4 EX-3 EX-2 EX-1 MW-1R G-16 G-13 G-12 G-11 G-6 G-1 G-10 SIGN

#1 #2 #3 #4 #5 #6 #7 #8 #9 #10 #11

LIGHT

LIGHT

GRAVEL

G-7 G-8 MW-3 G-9

MERRILLAN CAFE
400 WASHINGTON STREET

GRAVEL

SIDEWALK GRASS

WASHINGTON STREET USH 12/STH 27

SIDEWALK

GRASS

GRASS

G-5 MW-4

GRASS

MW-2 PAL

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

GRAVEL

GRAVEL

GRAVEL

GRAVEL

CANADIAN NATIONAL RAILROAD RIGHT OF WAY (200 FEET WIDE)

EDGE OF RAILROAD TRACKS

B.3.d
MONITORING WELLS
DAVE'S GAS STATION (FORMER)

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

MERRILLAN, WISCONSIN

DRAWN BY: ED
DATE: 03/26/2013
UPDATED BY: JJ (10/22/2015)

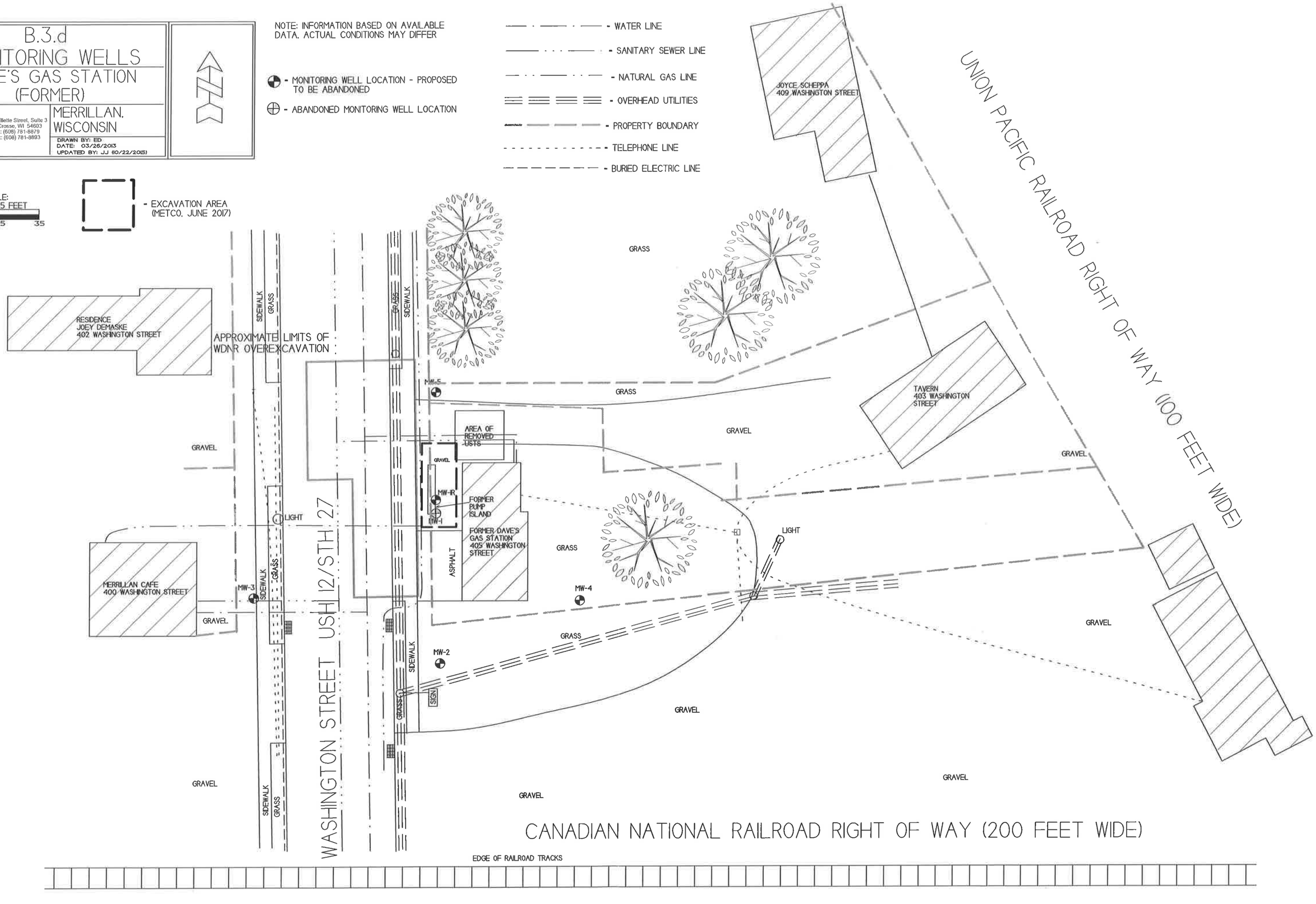
NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER

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

- WATER LINE
- SANITARY SEWER LINE
- NATURAL GAS LINE
- OVERHEAD UTILITIES
- PROPERTY BOUNDARY
- TELEPHONE LINE
- BURIED ELECTRIC LINE

SCALE:
1 INCH = 35 FEET
0 17.5 35

- EXCAVATION AREA (METCO, JUNE 2017)



D.4.a. VAPOR INTRUSION MAP

DAVE'S GAS STATION (FORMER)

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

MERRILLAN, WISCONSIN

DRAWN BY: ED
DATE: 03/26/2013
UPDATED BY: JJ 10/22/2015

SCALE:
1 INCH = 35 FEET
0 17.5 35

NOTE: RESULTS ARE PRESENTED IN ug/m^3.

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

- ⊕ - P2ESA SOIL BORING LOCATION
- ◆ - WDNR EXCAVATION SOIL SAMPLE LOCATION
- • - WDNR EXCAVATION PID SOIL SAMPLE LOCATION
- ⊗ - EXCAVATION PROJECT SOIL SAMPLING LOCATION
- ✕ - GEOPROBE BORING LOCATION
- ⊕ - MONITORING WELL LOCATION
- ⊕ - ABANDONED MONITORING WELL LOCATION
- ■ - SUB SLAB VAPOR SAMPLING LOCATION

- WATER LINE
- SANITARY SEWER LINE
- NATURAL GAS LINE
- OVERHEAD UTILITIES
- PROPERTY BOUNDARY
- TELEPHONE LINE
- BURIED ELECTRIC LINE

- EXCAVATION AREA (METCO, JUNE 2017)

VP-1	
B	0.74
E	<1.2
MTBE	<5.1
N	7.4
T	1.9
1,2,4-TMB	2.2
1,3,5-TMB	<1.4
X	<3.7

VP-2	
B	3.5
E	<1.2
MTBE	<5.1
N	<3.7
T	6.4
1,2,4-TMB	<1.4
1,3,5-TMB	<1.4
X	5.5

VP-3	
B	<0.47
E	8.6
MTBE	<5.3
N	7.9
T	50.3
1,2,4-TMB	29.6
1,3,5-TMB	<1.4
X	58.8

JOYCE SCHEPPA
409 WASHINGTON STREET

RESIDENCE
JOEY DEMASKE
402 WASHINGTON STREET

MERRILLAN CAFE
400 WASHINGTON STREET

TAVERN
403 WASHINGTON STREET

FORMER DAVE'S GAS STATION
405 WASHINGTON STREET

FORMER PUMP ISLAND

AREA OF REMOVED USTs

APPROXIMATE LIMITS OF WDNR OVEREXCAVATION

UNION PACIFIC RAILROAD RIGHT OF WAY (100 FEET WIDE)

WASHINGTON STREET USH 12/STH 27

CANADIAN NATIONAL RAILROAD RIGHT OF WAY (200 FEET WIDE)

EDGE OF RAILROAD TRACKS

GRASS, GRAVEL, ASPHALT, SIDEWALK, LIGHT, SIGN

Attachment C/Documentation of Remedial Action

C.1 Site Investigation documentation – All site investigation activities and documentation have been submitted in the following previous reports:

- Letter Report, TRC - June 20, 2012
- Letter Report, TRC - September 2013
- Site Investigation Report, METCO - July 6, 2016
- Letter Report, METCO - December 5, 2017
- Letter Report, METCO - August 15, 2018

C.2 Investigative waste – All investigative waste has been properly disposed of.

On October 30, 2015, DKS Transport Services, LLC, of Menomonie, Wisconsin picked-up and disposed of six drums of soil cuttings and one drum of purge water to the Advanced Disposal Seven Mile Creek Landfill in Eau Claire, Wisconsin.

On June 22, 2017, DKS Transport Services, LLC, of Menomonie, Wisconsin excavated and disposed of 193.23 tons of soil to the Advanced Disposal Seven Mile Creek Landfill in Eau Claire, Wisconsin.

On December 12, 2017, DKS Transport Services, LLC, of Menomonie, Wisconsin picked-up and disposed of one drum of soil cuttings to the Advanced Disposal Seven Mile Creek Landfill in Eau Claire, Wisconsin.

C.3 Provide a description of the methodology used along with all supporting documentation if the Residual Contaminant Levels are different than those contained in the Department's RCL Spreadsheet available at: http://dnr.wi.goc/topic/brownfields.Professionals.html\ - Residual Contaminant Levels (RCLs) were established in accordance with NR720.10 and NR720.12. Soil RCLs for the protection of the groundwater pathway and for non-industrial direct contact were taken from the RR programs RCL spreadsheet.

C.4 Construction documentation – No Remedial actions and/or interim actions specified in s.NR724.01(1) occurred at this site.

C.5 Decommissioning of Remedial Systems – No remedial systems were installed as part of this site investigation.

C.6 Other – No remedial systems are being used at this site.

C.2

DKS Transport Services, LLC

N7349 548th Street
Menomonie, WI 54751

715-556-2604

INVOICE

10-30 2015

CUSTOMER

Matt Lechner c/o METCO
709 Gillette St
La Crosse WI 54603

JOB NAME

Former Dave's Gas Station
Merrillan WI

☐ CASH ☐ CHECK # _____ ☒ IN-HOUSE ACCOUNT

QUANTITY DATE	QUANTITY SHIPPED	DESCRIPTION	QTY.	UNIT PRICE	AMOUNT
	1	Mobilization	1	274 -	274 -
	6	Haul soil drums to Advanced Disposal - Eau Claire WI	6	103 -	618 -
	1	Haul water drum to Advanced Disposal - Eau Claire WI	1	40 10	40 10
		Thank You			
		Mark Arbs			
				TOTAL	932 10

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

SIGNATURE _____

137

U C.2

Invoice

DKS CONSTRUCTON SERVICES, INC
2520 WILSON STREET
MENOMONIE, WI 54751

Date	Invoice #
6/22/2017	2761

Bill To

METCO
%Matt Lechner
709 GILLETTE ST
LACROSSE, WI 54603

P.O. No.	Terms	Project
Daves Gas Station	Net 30	

Quantity	Description	Rate	Amount
1	Mobilization	2,400.00	2,400.00 ✓
195.23	Excavate	13.00	2,537.99 ✓
195.23	Haul	18.00	3,514.14 ✓
195.23	Soil Disposal	32.00	6,247.36 ✓
151.23	Fill	12.00	1,814.76 ✓
44	Rock	18.00	792.00 ✓
195.23	Backfill & Compact	5.00	976.15 ✓
	JOBSITE: Daves Gas Station, Merrillan WI		
	WI & Dunn Sales Tax	5.50%	0.00

Soil / Excavation / Disposal / Project
Reviewed 6/22/17
OK

Phone #	715-235-2600

Total VARIANCE $18,282.40 ✓

001214- DKS CONSTRUCTION

Ticket Date	Facility & Ticket Number	Contract	Truck #	Container	Material	Billing Quantity
06/22/2017 I	G3 722331	DAVE GAS STATION/17035BIO@	SGS207		33B@ EX C-Soil/Pet-Unld (	22.28 TN
06/22/2017 I	G3 722331	DAVE GAS STATION/17035BIO@	SGS207		Profile Fee EX	1.00 EA
06/22/2017 I	G3 722332	DAVE GAS STATION/17035BIO@	SGS216		33B@ EX C-Soil/Pet-Unld (	21.44 TN
06/22/2017 I	G3 722334	DAVE GAS STATION/17035BIO@	WESTABY26		33B@ EX C-Soil/Pet-Unld (	19.61 TN
06/22/2017 I	G3 722335	DAVE GAS STATION/17035BIO@	WESTABY25		33B@ EX C-Soil/Pet-Unld (	20.80 TN
06/22/2017 I	G3 722336	DAVE GAS STATION/17035BIO@	DKS40		33B@ EX C-Soil/Pet-Unld (	20.90 TN
06/22/2017 I	G3 722337	DAVE GAS STATION/17035BIO@	DKS44		33B@ EX C-Soil/Pet-Unld (	21.32 TN
06/22/2017 I	G3 722338	DAVE GAS STATION/17035BIO@	DLO468		33B@ EX C Soil/Pet-Unld (	22.27 TN
06/22/2017 I	G3 722344	DAVE GAS STATION/17035BIO@	CWR235		33B@ EX C-Soil/Pet-Unld (	24.73 TN
06/22/2017 I	G3 722409	DAVE GAS STATION/17035BIO@	MODERN12		33B@ EX C-Soil/Pet-Unld (	21.88 TN

Tickets Reported: 9 Items Reported: 10

Material Summary	Weight Inbound	Weight Outbound	Volume Inbound	Volume Outbound	Count Inbound	Count Outbound	Billing Quantity
ES - 33B@ EX C-Soil/Pet-Unld Gs-ADC	195.23	0.00 TN	0.00	0.00 YD	0.00	0.00	195.23 TN
PS - Profile Fee EX	0.00	0.00 TN	0.00	0.00 YD	1.00	0.00	1.00 EA

Tickets Reported: 9 Items Reported: 10

Material Summary	Weight Inbound	Weight Outbound	Volume Inbound	Volume Outbound	Count Inbound	Count Outbound	Billing Quantity
33B@ EX C-Soil/Pet-Unld Gs-ADC	195.23	0.00 TN	0.00	0.00 YD	0.00	0.00	195.23 TN
Profile Fee EX	0.00	0.00 TN	0.00	0.00 YD	1.00	0.00	1.00 EA

p.3

REPORT SUMMARY

Total Tickets:	9		
Total Weight:	195.23	TN	In
	0.00	TN	Out
Total Volume:			
Total Count:	1.00		In

7152356661

DKS Construction

Jun 23 17 09:26a

C.2

DKS Transport Services, LLC
N7349 548th Street
Menomonie, WI 54751
715-556-2604

INVOICE

12-12 20 17

CUSTOMER: MERO % Matt Leuhner
709 Gillette ST
La Crosse WI 54603

JOB NAME: Dawes GAS Station
Merrillan WI

☐ CASH ☐ CHECK # _____ ☒ IN-HOUSE ACCOUNT

QUANTITY DATE	QUANTITY SHIPPED	DESCRIPTION	QTY.	UNIT PRICE	AMOUNT
	1	mobilization	1		287 70
	1	Haul Soil drum to Advanced Disposal - Eau Claire	1		108 15
		Thank You			
				TOTAL	395 85

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

195

SIGNATURE _____

Attachment D/Maintenance Plan(s)

D.1 Description of Maintenance Actions – No maintenance plan is being required.

D.2 Location map(s) – No maintenance plan is being required.

D.3 Photographs – No maintenance plan is being required.

D.4 Inspection log – No maintenance plan is being required.

Attachment E/Monitoring Well Information

All wells have been located and will be properly abandoned upon WDNR granting closure to the site. It should be noted MW-1 was abandoned and replaced with MW-1R due to excavation.

Attachment F/Source Legal Documents

F.1 Deeds – Source Property

F.2 Certified Survey Map

F.3 Verification of Zoning Map

F.4 Signed Statement

F.I. Deeds-Source Property

BOOK 0579 PAGE 0760

370588

Document Number

State Bar of Wisconsin Form 3-2003
QUIT CLAIM DEED

Document Name

RECEIVED FOR RECORD
AT 2:25P M
Vol 579 Page 760

JUL 02 2013
SHARI MARG
REGISTER OF DEEDS
JACKSON COUNTY, WI

30.00

Recording Area

Name and Return Address
PAUL B. MILLIS
WELD, RILEY, PRENN & RICCI, S.C.
P.O. BOX 219
BLACK RIVER FALLS, WI 54615

THIS DEED, made between FRED LECHNER, A single person ("Grantor," whether one or more), and MATTHEW F. LECHNER, A single person ("Grantee," whether one or more).

Grantor quit claims to Grantee the following described real estate, together with the rents, profits, fixtures and other appurtenant interests, in JACKSON County, State of Wisconsin ("Property") (if more space is needed, please attach addendum):

See attached Legal Description.

152-0632.0000
Parcel Identification Number (PIN)

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

FEE
77.25(8)
EXEMPT

Dated July 2, 2013.

(SEAL) _____ (SEAL)
* _____ * FRED LECHNER

(SEAL) _____ (SEAL)
* _____ * _____

AUTHENTICATION

Signature(s) _____
_____
authenticated on _____

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

THIS INSTRUMENT DRAFTED BY:
ATTORNEY PAUL B. MILLIS
WELD, RILEY, PRENN & RICCI, S.C.

ACKNOWLEDGMENT

STATE OF WISCONSIN)
) ss.
Jackson COUNTY)

Personally came before me on July 2, 2013
the above-named FRED LECHNER
to me known to be the person(s) who executed the foregoing instrument and acknowledged the same.

* Jennifer Johnson
Notary Public, State of Wisconsin
My Commission (~~is permanent~~) (expires: 3/13/2016)

JENNIFER JOHNSON NOTARY PUBLIC STATE OF WISCONSIN

(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.
QUIT CLAIM DEED

FORM NO. 3-2003
* Type name below signatures.

(2)

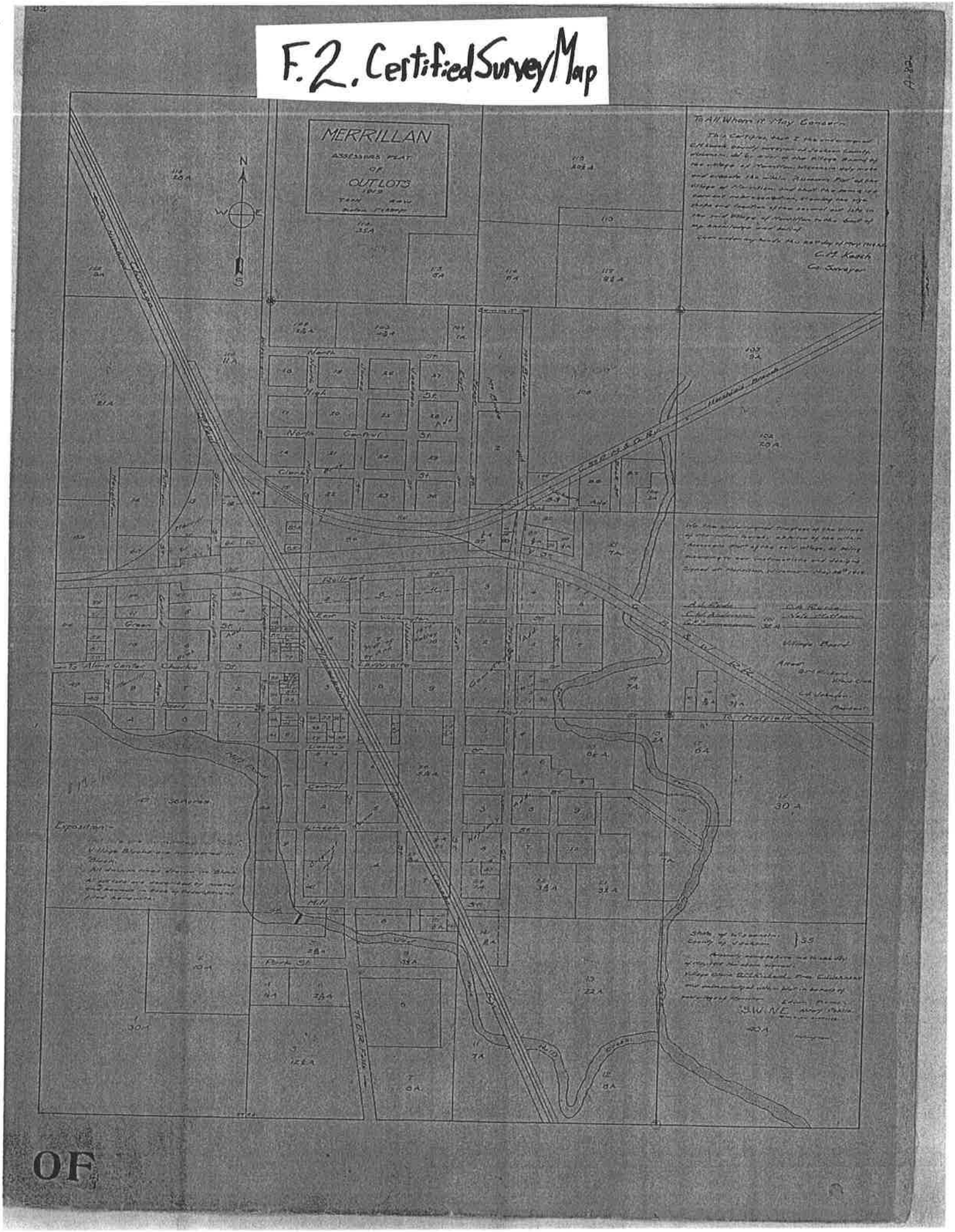
F.I. Deeds-Source Property

BOOK 0579 PAGE 0761

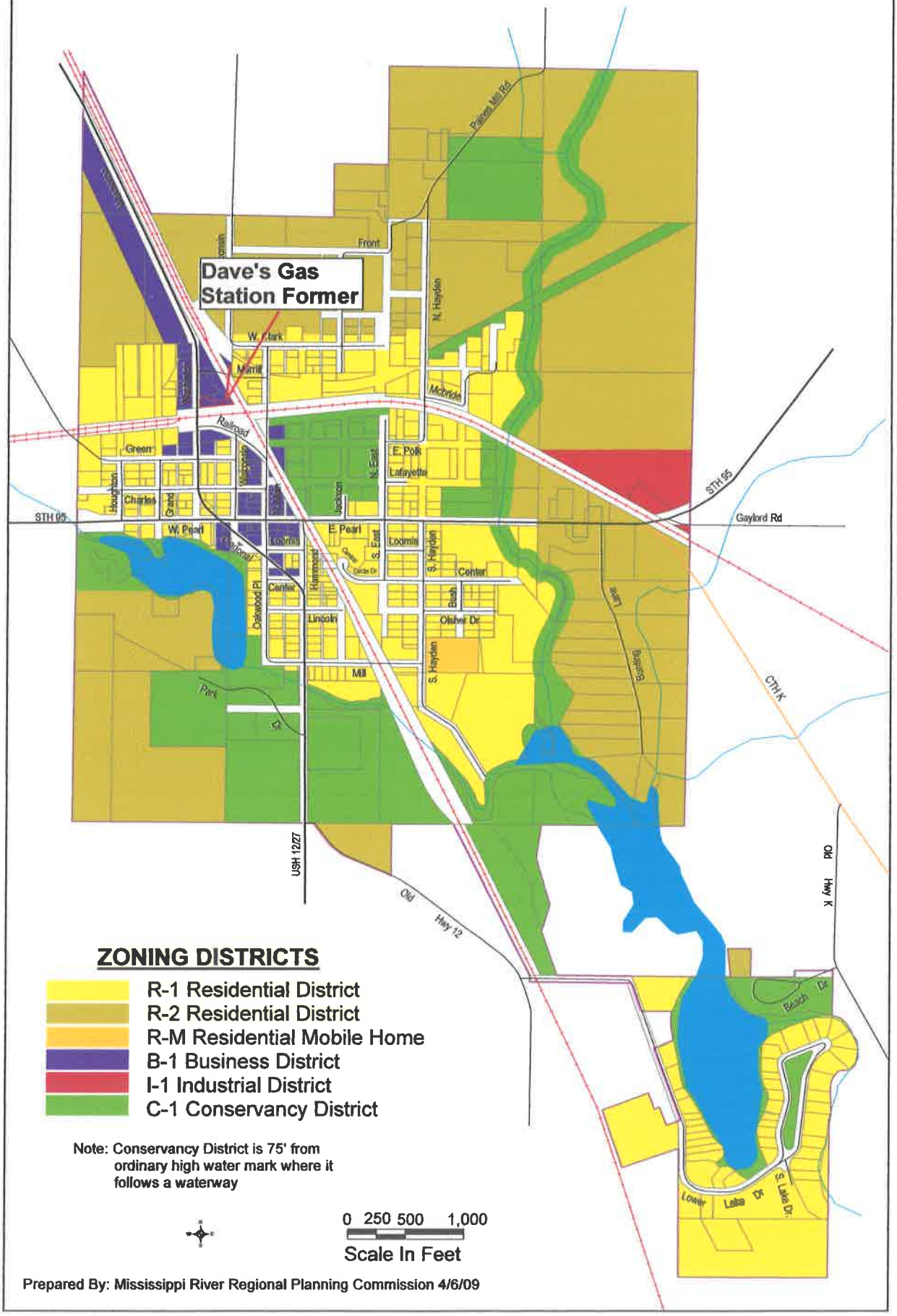
LEGAL DESCRIPTION for Quit Claim Deed: Lechner to Lechner

That part of Outlot 62 of the Plat of Outlots of the 1919 Plat of the Village of Merrillan, Wisconsin, described as follows: Commencing at the Northwest corner of said Out Lot 62, thence East on the North line of said Lot, 70 feet, thence South to the right of way of the Green Bay and Western Railroad Company, thence West to Highway No. 12 as now located and traveled, thence north the place of beginning, excepting and reserving therefrom a strip of land 15 feet wide along the North side of the lot described subject to easements and restrictions of record AND that part of Out Lot 120 of the Plat of Outlots of the 1919 Plat of the Village of Merrillan, Wisconsin, and being a part of the Green Bay and Western Railroad Company Station Ground described in the deed recorded in Volume 40 of Miscellaneous Records, pages 539 and 540, Jackson County Registry, more particularly described and bounded as follows: Commencing at a point on the westerly right-of-way line of the Chicago, St. Paul, Minneapolis and Omaha Railway Company, which point is fifty feet distant westerly from the center line of the said Railway Company's present westerly main track, measured at right angles there to, and 134 feet distant northerly from the center line of the said Green Bay and Western Railroad Company present main track, measured at right angles thereto, the point of beginning, thence westerly on a straight line parallel with the last mentioned center line 154 feet to the southwest corner of Out Lot Sixty-three according to surveys made by C.M. Keach and David Blencoe, and marked by a four inch iron pipe, thence northerly along the west boundary line of said Out Lot Sixty-three, sixteen feet to the point of intersection with the northerly boundary line of the tract of land described in the deed recorded in Volume 40 of Miscellaneous Records on pages 539 and 540, Jackson County Registry, thence westerly on the last mentioned line to the point of intersection with the easterly line of Blair Street (S.T.H. #12), thence southerly along the last mentioned line to a point 100 feet distant northerly from the center line of the Green Bay and Western Railroad Company present main track, measured at right angles thereto, thence easterly on a straight line parallel with the last mentioned center line to the point of intersection with the westerly boundary line of the right-of-way of the Chicago, St. Paul, Minneapolis and Omaha Railway Company, said point being 100 feet distant northerly from the center line of the Green Bay and Western Railroad Company present main track, measured at right angles thereto, and 50 feet distant westerly from the center line of the Chicago, St. Paul, Minneapolis and Omaha Railway Company's present main track, measured at right angles thereto, thence northerly along the westerly right-of-way line of the Chicago, St. Paul, Minneapolis and Omaha Railway Company to the point of beginning; subject to restrictions of record.

F. 2. Certified Survey Map



F.3. Verification of Zoning Map



Prepared By: Mississippi River Regional Planning Commission 4/6/09

F.4. Signed Statement

WDNR BRRTS Case #: 03-27-001459

WDNR Site Name: Dave's Gas Station Former

Geographic Information System (GIS) Registry of Closed Remediation Sites

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

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

Responsible Party:

Matt Lechner
(print name/title)

Matt Lechner 12/18/18
(signature) (date)

Attachment G/Notification to Owners of Impacted Properties

G.1 Deeds – No off-site deeded properties have been impacted

G.2 Certified Survey Map – No off-site deeded properties have been impacted

G.3 Verification of Zoning Map – No off-site deeded properties have been impacted

G.4 Signed Statement – No off-site deeded properties have been impacted

Max Wannow

From: DOT Hazmat Unit <DOTHazmatUnit@dot.wi.gov>
Sent: Tuesday, November 06, 2018 7:54 AM
To: Max Wannow
Subject: RE: Notification of Contamination

Thank you Max,

I've received the notification for the Former Dave's Gas Station in Merrillan, BRRTS # 03-27-001459.

Please keep a copy of this email for your records.

Shar

Sharlene Te Beest
Hazardous Materials Specialist
WisDOT- BTS-ESS
Phone 608-266-1476
**CELL: 608-381-4789 ** PLEASE NOTE CHANGE e-mail sharlene.tebeest@dot.wi.gov

Mailing address:
PO Box 7965 5 South S513.12
Madison WI 53707-7965

Street address:
4822 Madison Yards Way
5 South S513.12
Madison WI 53705

-----Original Message-----
From: Max Wannow [mailto:maxw@metcohq.com]
Sent: Monday, November 05, 2018 3:54 PM
To: DOT Hazmat Unit <DOTHazmatUnit@dot.wi.gov>
Subject: [WARNING: ATTACHMENT(S) MAY CONTAIN MALWARE]Notification of Contamination

Notification of Contamination

The attached file is the filled-out form. Please open it to review the data.

Max Wannow
METCO - Hydrogeologist
maxw@metcohq.com / 608.781.8879
709 Gillette Street - Suite 3, La Crosse WI 54603 http://secure-web.cisco.com/1bdlrwWJLNZFXf2vlmjckO87TrMYr7ZhBQiY6BLwSNiY7g52jSg8bODuQ0lewiX7z6381xRoa7fxxCM_Z_xTEr6HreKVG4SvvTkoA7N0z8sa6p9MW5Eao57sQ99zQZB3b1kWkIwvsNPM-R-_6DtMhx7MuBFRbf8A-

Max Wannow

From: DOT Hazmat Unit <DOTHazmatUnit@dot.wi.gov>
Sent: Tuesday, November 06, 2018 7:55 AM
To: Max Wannow
Subject: RE: Notification of Contamination

Thanks Max,
I've received the correction as well.
Shar

-----Original Message-----
From: Max Wannow [mailto:maxw@metcohq.com]
Sent: Monday, November 05, 2018 4:01 PM
To: DOT Hazmat Unit <DOTHazmatUnit@dot.wi.gov>
Subject: [WARNING: ATTACHMENT(S) MAY CONTAIN MALWARE]Notification of Contamination

There was an error in my last submittal for this site, sent 11/5/18. The details for depth to soil contamination/groundwater was not visible in the .pdf file and information from a different site was included.

The form has been corrected and is attached in this email.

Thank you.

Notification of Contamination

The attached file is the filled-out form. Please open it to review the data.

Max Wannow
METCO - Hydrogeologist
maxw@metcohq.com / 608.781.8879
709 Gillette Street - Suite 3, La Crosse WI 54603 http://secure-web.cisco.com/1_1TEXnt4EJoMn67Dqdp4qsQq6E_6DfMgr0dL3qmx-oc9xhzD2xmnhjZwokDQjF0dln4XNpoxqvFRees5vE_C3Z4Ss5KSkdmImkBqqjD_0di71r3AuAzuMT_h4iTuLAkEWSubJyMiZH294SEtIlKXPX9NGIOe3rYo5GK_ot9037nsrkv06OvCYALEVNE7EaSxm2bCvy-zBbeluuO8oXcKGR6VkxdQyEcRqRvGccWYcyfehKGwQ7vY8qBIRRq1Vof6NjMx2H-qITCooHijQayZGA/http%3A%2F%2Fwww.metcohq.com

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: Matthew Lechner

Contact Person Last Name	First	MI	Phone Number (include area code)
Lechner	Matthew		(608) 633-6569

Address	City	State	ZIP Code
PO Box 86	Black River Falls	WI	54615

E-mail: dirtmister16@yahoo.com

Name of Party Receiving Notification:

Business Name, if applicable: WisDOT- BTS-ESS

Title	Last Name	First	MI	Phone Number (include area code)
	Te Beest	Sharlene		(608) 266-1476

Address	City	State	ZIP Code
4822 Madison Yards Way 5 South	Madison	WI	53705

Site Name and Source Property Information:

Site (Activity) Name: Dave's Gas Station (Former)

Address	City	State	ZIP Code
405 N Washington Street	Merrillan	WI	54754

DNR ID # (BRRTS#)	(DATCP) ID #
03-27-001459	

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: METCO

Contact Person Last Name	First	MI	Phone Number (include area code)
Powell	Jason		(608) 781-8879

Address	City	State	ZIP Code
709 Gillette Street, Ste 3	La Crosse	WI	54603

E-mail: jasonp@metcohq.com

Department Contact:

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

Department of: Natural Resources (DNR)

Address	City	State	ZIP Code
1300 W. Clairemont Avenue	Eau Claire	WI	54701

Contact Person Last Name	First	MI	Phone Number (include area code)
Vitale	Matthew		(715) 839-3748

E-mail (Firstname.Lastname@wisconsin.gov): matthew.vitale@wisconsin.gov

Section C: Notification to the Department of Transportation of Contamination Within the Right-of-Way

Instructions: Fill out the requested information. Submit via e-mail to DOTHazmatUnit@dot.wi.gov. Include "Notification of Contamination" in the subject line of the e-mail. The DOT sends a receipt electronically (e-mail). *No factsheets needed.*

You may also submit the information by certified mail, return receipt requested, or by standard mail to:
WisDOT- Bureau of Technical Services - ESS
ATTN: Hazardous Materials Specialist
4802 Sheboygan Ave Rm 451
PO Box 7965
Madison, WI 53707-7965

Notification of Contamination within a DOT Right-of-Way

Site Name: Dave's Gas Station (Former)

County	Highway
Jackson	US Highway 12/State Highway 27

Address	City	State	ZIP Code
405 N Washington Street	Merrillan	WI	54754

BRRTS Number:	PECFA Number:	FID Number:
03-27-001459	54-75-4999805	

Owner Information

Last Name	First	MI
Lechner	Matthew	

Address	City	State	ZIP Code
PO Box 86	Black River Falls	WI	54615

Consultant Information

Consulting Firm: METCO

Consultant Contact: Last Name	First	MI
Powell	Jason	T

Address	City	State	ZIP Code
709 Gillette Street, Suite 3	La Crosse	WI	54601

Phone Number	Fax Number
(608) 781-8879	(608) 781-8893

E-mail jasonp@metcohq.com

Contamination Information

Soil contamination? ◉ Yes ○ No

Depth to contaminated soil:
2 feet below ground surface

Vertical extent of contaminated soil: (from _____ feet to _____ feet below ground surface)
2-4

Groundwater contamination? ◉ Yes ○ No

Depth to water table:
5 feet below ground surface

Describe the type(s) of contamination present.
Benzene, Ethylbenzene, Naphthalene, Toluene, Trimethylbenzenes, and Xylene

Brief summary of cleanup activity:
On August 19, 2013, TRC Solutions, Inc. oversaw excavation of 658 tons of petroleum contaminated soil from the right of way of Washington Street. The contaminated soil was disposed of at the Advanced Disposal Cranberry Creek Landfill in Wisconsin Rapids. Eleven soil samples were collected from the sidewalls and base of the excavation for laboratory analysis (PVOC, Naphthalene, and Lead). Seven additional samples were collected from the sidewalls and base of the excavation to be field screened with a photo-ionization detector (PID).

On June 21, 2017, DKS Construction Services, Inc. of Menomonie, Wisconsin conducted a soil excavation/disposal project at the subject property under the supervision and direction of METCO personnel. During this project, 195.23 tons of petroleum contaminated soil was excavated and hauled to the Advanced Disposal - Seven Mile Creek Landfill in Eau Claire, Wisconsin. Prior to any excavation activities, monitoring well MW-1 was properly abandoned by METCO personnel. The excavation consisted of rectangular shaped area measuring up to 34 feet long, 14 feet wide, and 8 feet below ground surface (bgs) in the area of the former pump island. Nine soil samples were collected from the sidewalls and bottom of the excavation for field (PID) and laboratory analysis (PVOC and Naphthalene). Eight sidewall samples were collected at 3 and 6 feet bgs and one bottom sample was collected at 8 feet bgs. Following the excavation project, the excavation area was backfilled with clean soils and capped with gravel.

Checklist of Documents to Submit

☒ Current isoconcentration map of the groundwater contaminant plume
☒ Current isoconcentration map of soil contamination

Vitale, Matthew J - DNR

From: Vitale, Matthew J - DNR
Sent: Friday, July 5, 2019 9:19 AM
To: TeBeest, Sharlene - DOT
Subject: Case Closure - Dave's Gas Station (Former), 405 N Washington St, Merrillan, WI - BRRTS # 03-27-001459
Attachments: 20190702_11_Closure_Final.pdf

Shar,

The above referenced site in Merrillan, WI has received closure from the regional closure committee. Please find the attached closure letter. Shallow residual groundwater contamination extends from this site under the right-of way of US 12/STH 27. Let me know if you have any questions or need additional documentation.

-Matt

We are committed to service excellence.
Visit our survey at http://dnr.wi.gov/customersurvey to evaluate how I did.

Matthew Vitale
Hydrogeologist
Remediation and Redevelopment Program
Wisconsin Department of Natural Resources
Eau Claire Regional Office
1300 W. Clairemont Ave.
Eau Claire, WI 54701
Phone: (715) 839-3760
Fax: (715) 839-6076
Matthew.Vitale@wisconsin.gov

dnr.wi.gov