State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
2501 Golf Course Road
Ashland WI 54806

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

June 25, 2020

Modification actions taken after continuing obligations were applied. Refer to BOTW for further information.

BACHAND GROUP INC
722 TOWER AVE
SUPERIOR WI 54880

BACHAND ESTATES LLP
ATTN: ADAM BACHAND
722 TOWER AVE
SUPERIOR WI 54880

KEEP THIS DOCUMENT WITH YOUR PROPERTY RECORDS

SUBJECT: Final Case Closure with Continuing Obligations
Smith's Union 76 Station (Former)
11427 South Business Highway 53, Solon Springs, Wisconsin
DNR BRRTS Activity #03-16-000069
FID #816029940

Dear Mr. Bachand:

The Department of Natural Resources (DNR) considers the Smith's Union 76 Station (Former) site closed, with continuing obligations. No further investigation or remediation is required at this time. However, you, future property owners, and occupants of the property must comply with the continuing obligations as explained in the conditions of closure in this letter. Please read over this letter closely to ensure that you comply with all conditions and other on-going requirements. Provide this letter and any attachments listed at the end of this letter to anyone who purchases, rents or leases this property from you. Certain continuing obligations also apply to affected property owners or 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 Wis. Admin. Code chs. NR 726 and 727. The DNR Northern Region (NOR) Closure Committee (Closure Committee) reviewed the request for closure on May 21, 2020. The Closure Committee reviewed this environmental remediation case for compliance with state laws and standards to maintain consistency in the closure of these cases. A request for remaining actions needed was issued by the DNR on May 28, 2020, and documentation that the conditions in that letter were met was received on June 11, 2020.

The former Smith's Union 76 Station property has been investigated for discharges of hazardous substances, environmental pollution or both (the contamination) from the former underground storage tanks (USTs). Case closure under Wis. Admin. Code ch. NR 726 is granted for the contaminants analyzed during the site investigation, as documented in the DNR site file. The site investigation and remedial action soil and groundwater contamination. The site is presently vacant but was used recently as a realtor's office and formerly as a gas station. The conditions of closure and continuing obligations required were based on the property being used for commercial purposes.

Continuing Obligations

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

- Groundwater contamination is present at or above Wis. Admin. Code ch. NR 140, enforcement standards.
- Residual soil contamination exists that must be properly managed should it be excavated or removed.
- Monitoring well MW-7 was not located and must be properly filled and sealed if found.
- Concrete and/or asphalt must be maintained over contaminated soil and the DNR must be notified and approve any changes to this barrier.

The enclosed 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 online at dnr.wi.gov and search "RR-819".

DNR Database

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

The DNR's approval prior to well construction or reconstruction is required in accordance with Wis. Admin. Code § NR 812.09 (4) (w). 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 DNR's Northern Region office at 107 Sutliff Avenue, Rhinelander, Wisconsin. This letter and information that was submitted with your closure request application, including any maintenance plan and maps, can be found as a Portable Document Format (PDF) in BOTW.

Prohibited Activities

Certain activities are prohibited at closed sites because maintenance of a barrier is intended to prevent contact with any remaining contamination. When a barrier is required, the condition of closure requires notification of the DNR before making a change, in order to determine if further action is needed to maintain the protectiveness of the remedy employed. The following activities are prohibited on any portion of the property where concrete and/or asphalt is required, as shown on the attached Figure D.2 Location Map (Cap), prepared by METCO and dated July 8, 2019, unless prior written approval has been obtained from the DNR:

- removal of the existing barrier or cover;
- replacement with another barrier or cover;
- excavating or grading of the land surface;
- filling on covered or paved areas;
- plowing for agricultural cultivation;
- construction or placement of a building or other structure;
- changing the use or occupancy of the property to a residential exposure setting, which may include certain uses, such as single or multiple family residences, a school, day care, senior center, hospital, or similar residential exposure settings.

Closure Conditions

Compliance with the requirements of this letter is a responsibility to which you, and any subsequent property owners must adhere. DNR staff will conduct periodic prearranged inspections to ensure that the conditions included in this letter and the attached maintenance plan are met. If these requirements are not followed, the DNR

may take enforcement action under Wis. Stat. § 292.11, to ensure compliance with the specified requirements, limitations or other conditions related to the property.

Please send written notifications and inspection reports (if required) in accordance with the following requirements to:

Department of Natural Resources
Attn: Remediation and Redevelopment Program Environmental Program Associate
107 Sutliff Avenue
Rhinelander, Wisconsin 54501

Residual Groundwater Contamination (Wis. Admin. Code ch. NR 140, NR 812)
Groundwater contamination greater than enforcement standards is present both on this contaminated property and off this contaminated property, as shown on the attached Figure B.3.b. Groundwater Isoconcentration (3/21/19), prepared by METCO and dated July 8, 2019. If you intend to construct a new well, or reconstruct an existing well, you'll need prior DNR approval. Affected property owners and right-of-way (ROW) holders were notified of the presence of groundwater contamination. This continuing obligation also applies to the ROW owners for the Canadian National Railroad, the Wisconsin Department of Transportation, and the Village of Solon Springs rights-of-way.

Residual Soil Contamination (Wis. Admin. Code ch. NR 718, chs. NR 500 to 536, or Wis. Stat. ch. 289)
Soil contamination remains in the area of the former UST bed location and extending to the east into Business Highway 53 (Main Street) and Hughes Avenue ROW as indicated on the attached Figure B.2.b. Residual Soil Contamination, prepared by METCO and dated July 8, 2019. If soil in the specific locations described above is excavated in the future, the property owner or ROW holder at the time of excavation must sample and analyze the excavated soil to determine if contamination remains. If sampling confirms that contamination is present, the property owner or ROW holder at the time of excavation will need to determine whether the material is considered solid or hazardous waste and ensure that any storage, treatment or disposal is in compliance with applicable standards and rules. Contaminated soil may be managed in accordance with Wis. Admin. Code ch. NR 718, with prior DNR approval. This continuing obligation also applies to the ROW holders for Hughes Avenue and Business Highway 53 (Main Street).

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

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

Monitoring Wells that could not be Properly Filled and Sealed (Wis. Admin. Code ch. NR 141)
Monitoring well MW-7 located on Canadian National Railroad ROW shown on the attached Figure B.3.d. Monitoring Wells, prepared by METCO and dated July 8, 2019, could not be properly filled and sealed because it was missing. Your consultant made a reasonable effort to locate the well and to determine whether it was properly filled and sealed but was unsuccessful. You may be held liable for any problems associated with the monitoring wells if they create a conduit for contaminants to enter groundwater. If any of the groundwater monitoring wells are found, the then current owner of the property on which the well is located is required to notify the DNR, to properly fill and seal the wells and to submit the required documentation to the DNR. This continuing obligation applies to the ROW holders for Railroad Street.

Cover or Barrier (Wis. Stat. § 292.12 (2) (a), Wis. Admin. Code § NR 726.15, § NR 727.07)
The pavement that exists in the location shown on the attached Figure D.2 Location Map (Cap), shall be maintained in compliance with the attached maintenance plan in order to minimize the infiltration of water and prevent additional groundwater contamination that violate the groundwater quality standards in Wis. Admin. Code ch. NR 140, and to prevent direct contact with residual soil contamination that might otherwise pose a threat to human health.

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

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

The attached D.1 Description of Maintenance Action(s) Cap Maintenance Plan and inspection log (DNR form 4400-305) are to be kept up-to-date and on-site. Inspections shall be conducted annually, in accordance with the attached maintenance plan. Submit the inspection log to the DNR only upon request.

PECFA Reimbursement

Per Wis. Stat. § 292.63 (2) (ac), a claim for Petroleum Environmental Cleanup Fund Award (PECFA) reimbursement must be submitted within 180 days of incurring costs, or by June 30, 2020, whichever comes first, or the costs will not be eligible for PECFA reimbursement.

In addition, Wis. Stat. § 292.63 (4) (cc) requires that 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, or by June 30, 2020, whichever comes first, or interest costs will not be eligible for PECFA reimbursement.

In Closing

Please be aware that the case may be reopened pursuant to Wis. Admin. Code § NR 727.13, 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 Wis. Stat. § 292.15, 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 Barbara J. Flietner at 715-762-1351, or at Barbara.Flietner@Wisconsin.gov. You can also contact me at 715-685-2920 or by email at Christopher.Saari@Wisconsin.gov.

Sincerely,

Christopher A Saari
Northern Region Team Supervisor
Remediation and Redevelopment Program

Enclosure: Continuing Obligations for Environmental Protection, DNR Publication RR-819

Attachments:

- B.3.b. Groundwater Isoconcentration (3/21/19), METCO, July 8, 2019
- B.2.b. Residual Soil Contamination, METCO, July 8, 2019
- B.3.d. Monitoring Wells, METCO, July 8, 2019
- D.2 Location Map (Cap), METCO, July 8, 2019
- D.1 Cap Maintenance Plan, METCO, July 10, 2019

cc: DOT HazMat Unit (via email)
Ron Anderson – METCO (via email)
Barb Flietner – DNR Park Falls (via email)

B.2.b. RESIDUAL SOIL CONTAMINATION

SMITH'S UNION 76 STATION

METCO
709 Gillette Street, Suite 3
La Crosse, WI 54603
Tel. (608) 781-8872
Fax. (608) 781-8873
Excellence through experience

SOLON SPRINGS,
WISCONSIN

DRAWN BY: ED DATE: 06/27/2008
UPDATED BY: KF DATE: 07/08/2008

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

- MONITORING WELL LOCATION
- MONITORING WELL LOCATION (OPEN SOLON SPRINGS INVESTIGATION LUST SITE)
- GEOPROBE BORING LOCATION
- SOIL BORING LOCATION (TWIN CITY TESTING - 1990)
- SUB SLAB VAPOR SAMPLING LOCATION
- POTABLE WELL LOCATION

- OVERHEAD LINES
- BURIED ELECTRIC
- TELEPHONE LINE
- NATURAL GAS
- SANITARY SEWER
- PROPERTY LINE

SCALE: 1 INCH = 50 FEET
0 25 50

(NO PRIVATE WELL)
VACANT LOT
1419 S BUSINESS HIGHWAY 53
BEDNAR OIL
CLOSED LUST SITE
BRRTS# 03-16-000195

(COULD NOT LOCATE A PRIVATE WELL)
RESIDENTIAL

(COULD NOT LOCATE A PRIVATE WELL)
RESIDENTIAL

ALLEY

GRASS

COMMERCIAL PROPERTY
1423-S BUSINESS HIGHWAY 53

REMOVED 1000 GALLON FUEL OIL UST

ASPHALT

RETAINING WALL

FORMER SMITH'S UNION 76
1427 S BUSINESS HIGHWAY 53

APPROXIMATE LOCATION OF FORMER PUMP ISLAND

CONCRETE

APPROXIMATE LOCATION OF REMOVED GASOLINE USTS

G-8 SB-2 G-2 G-7 G-9 MW-2 (G-3) G-6 G-4 MW-3 (G-5) SB-3 G-10

S BUSINESS HIGHWAY 53 (MAIN STREET)

CANADIAN NATIONAL RAILWAY

MW-6

MW-5

RAILROAD STREET

HUGHES AVENUE

ESTIMATED EXTENT OF UNSATURATED SOIL CONTAMINATION EXCEEDING THE NR720 GROUNDWATER RCL VALUES.

DOUGLAS COUNTY FORESTRY BUILDING
9182 E HUGHES AVENUE

BOX CULVERT

PARK CREEK

CULVERT
CULVERT
CULVERT

BOX CULVERT

PRIVATE PROPERTY

ATV/SNOWMOBILE TRAIL

WALKING TRAIL
ASPHALT

FIBER OPTIC LINE

STEEP BANK ~5-20 FEET
LOWER THAN ROADWAY

STEEP BANK ~2-6 FEET
LOWER THAN ROADWAY

STEEP BANK ~10-12 FEET

CREEK

STEEP BANK ~10-12 FEET

STEEP BANK ~4-7 FEET
LOWER THAN ROADWAY

CREEK

STEEP BANK ~10-12 FEET

FIBER OPTIC LINE

B.3.b. GROUNDWATER ISOCONCENTRATION (3/21/19)

SMITH'S UNION 76 STATION

METCC
739 Gilbertie Street, Suite 3
La Crosse, WI 54603
Tel: (608) 781-8876
Fax: (608) 781-8813

SOLON SPRINGS, WISCONSIN

DRAWN BY: BD DATE: 03/27/2019
UPDATED BY: NF DATE: 07/08/2019

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

- MONITORING WELL LOCATION
- MONITORING WELL LOCATION (OPEN SOLON SPRINGS INVESTIGATION LUST SITE)
- GEOPROBE BORING LOCATION
- SOIL BORING LOCATION (TWIN CITY TESTING - 1990)
- SUB SLAB VAPOR SAMPLING LOCATION
- POTABLE WELL LOCATION
- CN-MW-10

- OVERHEAD LINES
- BURIED ELECTRIC
- TELEPHONE LINE
- NATURAL GAS
- SANITARY SEWER
- PROPERTY LINE

SCALE: 1 INCH = 50 FEET
0 25 50

(NO PRIVATE WELL)
VACANT LOT
1419 S BUSINESS HIGHWAY 53
BEDNAR OIL
CLOSED LUST SITE
BRRTS# 03-16-000195

(COULD NOT LOCATE A PRIVATE WELL) RESIDENTIAL

(COULD NOT LOCATE A PRIVATE WELL) RESIDENTIAL

GRASS

COMMERCIAL PROPERTY
1423 S BUSINESS HIGHWAY 53

SS-04

REMOVED 1,000 GALLON FUEL OIL UST

ASPHALT

RETAINING WALL

SS-03

FORMER SMITH'S UNION 76
1427 S BUSINESS HIGHWAY 53

SS-02

SS-01

CONCRETE

ALLEY

SB-1

SB-2

SB-3

SB-4

G-1 G-2 G-3 G-4 G-5 G-6 G-7 G-8 G-9 G-10

APPROXIMATE LOCATION OF REMOVED GASOLINE USTS

MW-1 MW-2 (G-3) MW-3 (G-5)

APPROXIMATE LOCATION OF FORMER PUMP ISLAND

HUGHES AVENUE

MW-4

DOUGLAS COUNTY FORESTRY BUILDING
9162 E HUGHES AVENUE

S BUSINESS HIGHWAY 53 (MAIN STREET)

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

ES

PAL

MW-5 MW-6

CANADIAN NATIONAL RAILWAY

RAILROAD STREET

MW-7 MW-8

CN-MW-6

BOX CULVERT

PARK CREEK

CULVERT CULVERT CULVERT

BOX CULVERT

CN-MW-9

CN-PZ-1
CN-MW-7

CN-MW-8

PRIVATE PROPERTY

ATV/SNOWMOBILE TRAIL

MW-10

WALKING TRAIL
ASPHALT

FIBER OPTIC LINE

STEEP BANK ~5-20 FEET LOWER THAN ROADWAY

STEEP BANK ~7-8 FEET LOWER THAN ROADWAY

STEEP BANK ~6-7 FEET LOWER THAN ROADWAY

STEEP BANK ~10-12 FEET

CREEK

STEEP BANK ~10-12 FEET

MW-9

B.3.d. MONITORING WELLS

SMITH'S UNION 76 STATION

METCO
709 Grieble Street, Suite 3
La Crosse, WI 54603
Tel. (608) 781-8879
Fax. (608) 781-8853

SOLON SPRINGS, WISCONSIN

DRAWN BY: ED DATED: 06/27/2012
UPDATED BY: RF DATED: 07/06/2020

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

- MONITORING WELL LOCATION (PROPOSED TO BE ABANDONED)
- MONITORING WELL LOCATION (MISSING/DESTROYED)
- POTABLE WELL LOCATION

SCALE: 1 INCH = 50 FEET
0 25 50

- OVERHEAD LINES
- BURIED ELECTRIC
- TELEPHONE LINE
- NATURAL GAS
- SANITARY SEWER
- PROPERTY LINE

(NO PRIVATE WELL)
VACANT LOT
1419 S BUSINESS HIGHWAY 53
BEDNAR OIL
CLOSED LUST SITE
BRRTS# 03-16-000195

(COULD NOT LOCATE A PRIVATE WELL)
RESIDENTIAL

(COULD NOT LOCATE A PRIVATE WELL)
RESIDENTIAL

GRASS

COMMERCIAL PROPERTY
1423 S BUSINESS HIGHWAY 53

REMOVED 1000 GALLON FUEL OIL UST

ASPHALT

RETAINING WALL

FORMER SMITH'S UNION 76
1427 S BUSINESS HIGHWAY 53

APPROXIMATE LOCATION OF FORMER PUMP ISLAND

CONCRETE

APPROXIMATE LOCATION OF REMOVED GASOLINE USTS

ALLEY

MW-1 MW-2 MW-3 MW-4 MW-5 MW-6 MW-7 MW-8

HUGHES AVENUE

S BUSINESS HIGHWAY 53 (MAIN STREET)

CANADIAN NATIONAL RAILWAY

RAILROAD STREET

DOUGLAS COUNTY FORESTRY BUILDING
9182 E HUGHES AVENUE

BOX CULVERT

PARK CREEK

CULVERT

FIBER OPTIC LINE

STEEP BANK ~7-8 FEET LOWER THAN ROADWAY

STEEP BANK ~6-7 FEET LOWER THAN ROADWAY

STEEP BANK ~10-12 FEET

PRIVATE PROPERTY

ATV/SNOWMOBILE TRAIL

MW-10

WALKING TRAIL ASPHALT

CREEK

MW-9

D.1 Description of Maintenance Action(s)

CAP MAINTENANCE PLAN

July 10, 2019

Property Located at:
11427 S Bus Hwy 53
Solon Springs, WI 54873

WDNR BRRTS# 03-16-000069
FID# 816029940

TAX KEY# SS-181-00505-00

Introduction

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

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

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

Description of Contamination

Unsaturated soil contaminated by Lead, Benzene, Ethylbenzene, Naphthalene, Trimethylbenzenes, and Xylene is located at a depth of 3.5-15 feet below ground surface in the area of the former UST systems. Groundwater contamination by Benzene, Ethylbenzene, Naphthalene Trimethylbenzenes, and Xylene is located at a depth of 14-15.5 feet below ground surface and was found in the area of the removed UST systems. The extent of the soil and groundwater contamination is shown on Attachment D.2.

Description of the Cap to be maintained

The cover consists of 4-6 inches of concrete and/or 2-3 inches of asphalt, which covers the area of the former UST systems, as shown on the attached map (Attachment D.2.).

Cover Barrier Purpose

The concrete and asphalt cover over the contaminated soil serves as a partial infiltration barrier to minimize future soil-to-groundwater contamination migration that would violate the groundwater standards in ch. NR140, Wisconsin Administrative Code. Based on the current and future use of the property, the barrier should function as intended unless disturbed.

Annual Inspection

The concrete and asphalt cover overlying the contaminated soil and as depicted in Attachment D.2 will be inspected once a year, normally in the spring after all snow and ice is gone, for deterioration, cracks, potholes and other potential problems that can cause exposure to underlying soils through the concrete or asphalt. The inspections will be performed by the property owner or their designated representative. The inspections will be performed to evaluate damage due to settling, exposure to the weather, wear from traffic, increasing age and other factors. Any area where soils have become or are likely to become exposed and where infiltration from the surface will not be effectively minimized will be documented. A log of the inspections and any repairs will be maintained by the property owner and is included as Form 4400-305 Continuing Obligations and Maintenance Log. The log will include recommendations for necessary repair of any areas where underlying soils are exposed and where infiltration from the surface will not be effectively minimized. Once repairs are completed, they will be documented in the inspection log. A copy of the inspection log will be kept at the address of the property owner and available for submittal or inspection by Wisconsin Department of Natural Resources ("WDNR") representatives upon their request.

Note: The WDNR may, in some instances, require in the case closure letter that the inspection log be submitted at least annually after every inspection. If the case closure letter requires that, then a copy of the inspection log must be submitted to the WDNR at least annually after every inspection.

Maintenance Activities

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

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

The property owner, in order to maintain the integrity of the concrete and asphalt cover, will maintain a copy of this Maintenance Plan on-site and make it available to all interested parties (i.e. on-site employees, contractors, future property owners, etc.) for viewing.

Prohibition of Activities and Notification of DNR Prior to Actions Affecting a Cover or Cap

The following activities are prohibited on any portion of the property where the concrete or asphalt cover is required as shown on the attached map, unless prior written approval has been obtained from the Wisconsin Department of Natural Resources: 1) removal of the existing barrier; 2) replacement with another barrier; 3) excavating or grading of the land surface; 4) filling on capped or paved areas; 5) plowing for agricultural cultivation; 6) construction or placement of a building or other structure; or 7) changing the use or occupancy of the property to a residential exposure setting, which may include certain uses, such as single or multiple family residences, a school, day care, senior center, hospital, or similar residential exposure settings.

Amendment or Withdrawal of Maintenance Plan

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

Contact Information
July 2019

Current Site Owner and Operator:
Adam Bachand
722 Tower Avenue
Superior, WI 54880
(715) 394-6637

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

Consultant:
METCO
Jason Powell
709 Gillette Street, Suite 3
La Crosse, WI 54603
(608) 781-8879

WDNR:
Chris Saari
2501 Golf Course Road
Ashland, WI 54806
(715) 685-2920

D.2 LOCATION MAP (CAP)

SMITH'S UNION 76 STATION

METCO
710 Cilletta Street, Suite 3
La Crosse, WI 54603
Tel: (608) 781-8879
Fax: (608) 781-8893

SOLON SPRINGS,
WISCONSIN

DRAWN BY: ED DATE: 08/27/2013
UPDATED BY: KF DATE: 07/08/2019

SCALE:
1 INCH = 25 FEET
0 25

- OVERHEAD LINES
- BURIED ELECTRIC
- TELEPHONE LINE
- NATURAL GAS
- SANITARY SEWER
- PROPERTY LINE

- MONITORING WELL LOCATION
- MONITORING WELL LOCATION (OPEN SOLON SPRINGS INVESTIGATION LUST SITE)
- GEOPROBE BORING LOCATION
- SOIL BORING LOCATION (TWIN CITY TESTING - 1990)
- SUB SLAB VAPOR SAMPLING LOCATION
- POTABLE WELL LOCATION

= AREA OF CAP TO BE MAINTAINED

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

(COULD NOT LOCATE A PRIVATE WELL)
RESIDENTIAL
ALLEY
GRASS
COMMERCIAL PROPERTY
1423 S BUSINESS HIGHWAY 53
SS-04
ASPHALT
REMOVED 1,000 GALLON FUEL OIL UST
SB-1
RETAINING WALL
SS-03
FORMER SMITH'S UNION 76
1427 S BUSINESS HIGHWAY 53
SS-02
SS-01
APPROXIMATE LOCATION OF FORMER PUMP ISLAND
CONCRETE
APPROXIMATE LOCATION OF REMOVED GASOLINE UST'S
G-1
G-2
G-8
SB-2
G-9
G-6
G-4
MW-2
(G-3)
MW-3
(G-5)
G-7
MW-1
SB-3
SB-4
G-10
HUGHES AVENUE
S BUSINESS HIGHWAY 53 (MAIN STREET)
ESTIMATED EXTENT OF PETROLEUM CONTAMINATION IN GROUNDWATER EXCEEDING THE NR140 ES AND/OR PAL.
PAL
ES
MW-6
MW-7
MW-5
MW-4
CANADIAN NATIONAL RAILWAY
RAILROAD STREET
MW-8
ESTIMATED EXTENT OF UNSATURATED SOIL CONTAMINATION EXCEEDING THE NR720 GROUNDWATER RCL VALUES.
AREA OF CAP TO BE MAINTAINED
DOUGLAS COUNTY FORESTRY BUILDING
9182 E HUGHES AVENUE
BOX CULVERT
BOX CULVERT
PARK CREEK
CULVERT
CULVERT
CULVERT
STEEP BANK ~10-12 FEET LOWER THAN ROADWAY
FIBER OPTIC LINE
STEEP BANK ~7-8 FEET LOWER THAN ROADWAY
STEEP BANK ~6-7 FEET LOWER THAN ROADWAY
STEEP BANK ~10-12 FEET
STEEP BANK ~10-12 FEET
CREEK
A
A'

D.3 Photographs

03-16-000069
BRRTS No.

Smith's Union 76 Station (former)
Activity (Site) Name

Continuing Obligations Inspection and Maintenance Log
Form 4400-305 (2/14)

{Click to Add/Edit Image} Date added: 11/08/2016

Title: Looking east at the former Smiths Union 76 Station building.

{Click to Add/Edit Image} Date added: 11/08/2016

Title: Looking northwest at the former Smiths Union 76 Station building.

{Click to Add/Edit Image} Date added: 11/08/2016

Title: Looking north at the western portion of the property.

{Click to Add/Edit Image} Date added: 11/08/2016

Title: Looking east at the concrete/asphalt parking lot.

D.4 Inspection Log

State of Wisconsin
Department of Natural Resources
dnr.wi.gov

Continuing Obligations Inspection and Maintenance Log

Form 4400-305 (2/14)

Page 1 of 2

Directions: In accordance with s. NR 727.05 (1) (b) 3., Wis. Adm. Code, use of this form for documenting the inspections and maintenance of certain continuing obligations is required. Personal information collected will be used for administrative purposes and may be provided to requesters to the extent required by Wisconsin's Open Records law [ss. 19.31-19.39, Wis. Stats.]. When using this form, identify the condition that is being inspected. See the closure approval letter for this site for requirements regarding the submittal of this form to the Department of Natural Resources. A copy of this inspection log is required to be maintained either on the property, or at a location specified in the closure approval letter. Do NOT delete previous inspection results. This form was developed to provide a continuous history of site inspection results. The Department of Natural Resources project manager is identified in the closure letter. The project manager may also be identified from the database, BRRTS on the Web, at http://dnr.wi.gov/botw/SetUpBasicSearchForm.do, by searching for the site using the BRRTS ID number, and then looking in the "Who" section.

Activity (Site) Name: Smith's Union 76 Station (former)

BRRTS No.: 03-16-000069

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

● annually
○ semi-annually
○ other – specify ____________

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

christopher.saari@wisconsin.gov

Inspection Date	Inspector Name	Item	Describe the condition of the item that is being inspected	Recommendations for repair or maintenance	Previous recommendations implemented?	Photographs taken and attached?
		☐ monitoring well ☐ cover/barrier ☐ vapor mitigation system ☐ other:			○ Y ○ N	○ Y ○ N
		☐ monitoring well ☐ cover/barrier ☐ vapor mitigation system ☐ other:			○ Y ○ N	○ Y ○ N
		☐ monitoring well ☐ cover/barrier ☐ vapor mitigation system ☐ other:			○ Y ○ N	○ Y ○ N
		☐ monitoring well ☐ cover/barrier ☐ vapor mitigation system ☐ other:			○ Y ○ N	○ Y ○ N
		☐ monitoring well ☐ cover/barrier ☐ vapor mitigation system ☐ other:			○ Y ○ N	○ Y ○ N
		☐ monitoring well ☐ cover/barrier ☐ vapor mitigation system ☐ other:			○ Y ○ N	○ Y ○ N

State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
2501 Golf Course Road
Ashland WI 54806

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

May 28, 2020

MR ADAM BACHAND
BACHAND GROUP
722 TOWER AVE
SUPERIOR WI 54880

SUBJECT: Remaining Actions Needed for Case Closure under Wis. Admin. Code chs. NR 700-754
Former Smith's Union 76, 11427 South Business Highway 53, Solon Springs, Wisconsin
DNR BRRTS Activity #03-16-000069

Dear Mr. Bachand:

On May 21, 2020, 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. Admin. Code chs. NR 700-754. Upon completion of these actions, closure approval will be provided. Pursuant to Wis. Admin. 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 (with the exception of any wells which are approved by the DNR for continued monitoring at the adjacent Solon Springs Investigation site, BRRTS Activity #03-16-000322) must be properly filled and sealed in accordance with Wis. Admin. Code ch. NR 141. Documentation of filling and sealing for all wells and boreholes must be submitted to Barbara Flietner 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.

The submittal of both an electronic and paper copy are required in accordance with Wis. Admin. 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 the project manager, Barbara J. Flietner, at 715-762-1351 (cell 715-820-0283) or Barbara.Flietner@wisconsin.gov.

Sincerely,

Christopher A. Saari
Northern Region Team Supervisor
Remediation and Redevelopment Program

cc: Ron Anderson – METCO (via email)
Barb Flietner – DNR Park Falls (via email)

Wisconsin Department of Natural Resources

Case Closure – GIS Registry
NR 4400-202

For: Smith's Union 76
BRRTS # 03-16-000069

May 7, 2020

METCO

Excellence through experience™

Table of Contents

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

Case Closure

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.		
03-16-000069			
Parcel ID No.			
SS-181-00505-00			
FID No.	**WTM Coordinates**		
	X	Y	
816029940	379923	654730	
BRRTS Activity (Site) Name	**WTM Coordinates Represent:**		
Smiths Union 76 Station (Former)	☒ Source Area ☐ Parcel Center		
Site Address	**City**	**State**	**ZIP Code**
11427 S Bus Hwy 53	Solon Springs	WI	54873
Acres Ready For Use			
0.14			

Responsible Party (RP) Name			
Adam Bachand			
Company Name			
Bachand Group			
Mailing Address	**City**	**State**	**ZIP Code**
722 Tower Avenue	Superior	WI	54880
Phone Number	**Email**		
(715) 394-6637	adam@bachandgroup.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 $ _____

   ☒ 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 Smith's Union 76 property, 11427 S Business Hwy 53, is located at the NE 1/4 of the SE 1/4 of Section 26, Township 45 North, Range 12 West, in the Village of Solon Springs, Douglas County, WI. The subject property is located northwest of the intersection of Main Street (S Business Hwy 53) and Hughes Avenue. The site is bound by Main Street (S Business Hwy 53) to the east, Hughes Avenue to the south, a commercial property to the north, and a residence to the west.

B. Prior and current site usage: Specifically describe the current and historic occupancy and types of use.
The subject property is currently vacant, but was most recently used as a realtor's office. A gas station operated on the property from the 1950's (est.) until 1989.

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 Douglas County parcel description, the Smith's Union 76 property located at 11427 S Business Hwy 53, is zoned "G2-Commercial". Surrounding properties are zoned as "G2-Commercial" and "G1-Residential"properties.

D. Describe how and when site contamination was discovered.
On June 21, 1989, Twin City Testing Corporation (TCT) of Duluth, Minnesota oversaw the removal of the three UST's from the subject property. The UST's had already been removed by the time TCT arrived. TCT personnel collected three soil samples from the bottom of the gasoline UST excavation to be analyzed with an HNU photo-ionization detector (PID). The PID results showed levels ranging from 130 to 150 ppm. The edges were then tested and it was found that the west end was contaminated only in the bottom center. One to two feet of material was removed and the area retested. The samples were then found to show no PID detects. The focus of the excavation was then given to cleaning up the east end of the excavation. PID readings ranging from 50 to 150 ppm were obtained from the sides of the pit and approximately 130 ppm from the bottom of the excavation. Approximately 2 feet of the bottom material was then excavated and the area was retested and found to be 20 ppm. Another 3 feet was then removed and retesting gave PID readings of 500 ppm.

E. Describe the type(s) and source(s) or suspected source(s) of contamination.
The source of the contamination is from the former UST systems consisting of a 3,000-gallon unleaded gasoline and a 4,000-gallon leaded gasoline.

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.
There are no other BRRTS activities associated with this property.

H. List BRRTS activity/site name(s) and number(s) for all properties immediately adjacent to (abutting) this source property.
There are currently no BRRTS cases for any immediately adjacent properties.

2. General Site Conditions

A. Soil/Geology

i. Describe soil type(s) and relevant physical properties, thickness of soil column across the site, vertical and lateral variations in soil types.
Geologic material in the area of investigation generally consists of tan to brown to gray to orange to red, very fine to coarse grained sand with gravel, and some cobbles noted from the surface to at least 20 feet bgs.

ii. Describe the composition, location and lateral extent, and depth of fill or waste deposits on the site.
No fill or waste deposits were encountered as a part of the site investigation.

iii. Describe the depth to bedrock, bedrock type, competency and whether or not it was encountered during the investigation.
Bedrock was not encountered during the site investigation, but Pre-Cambrian basalt is estimated to exist at approximately 100-200 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 is located in the center of the property. A concrete parking area exists to the west of the building and a concrete apron exists to the south of the building. To the east of the building and to the south of the concrete apron is asphalt surface cover. A narrow strip of grass exists immediately to the north of the building and along the western edge of the property.

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.

According to data collected from the monitoring wells, the depth to groundwater ranges from 0.95 to 20.79 feet bgs depending on well location and time of year. Free product was encountered in monitoring well MW-6 during four of the sampling rounds, thus affected the water level measurements in this monitoring well. No piezometers are installed at this site. The stratigraphic unit where the water table was found consists of vf-c grained sand.

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

According to the watertable measurements collected during groundwater sampling, local horizontal groundwater flow in the immediate area of the subject property is toward the east to northeast.

We are not currently aware of any existing aquitards or perched water in this area.

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

On November 7, 2013, METCO conducted slug tests on monitoring wells MW-1, MW-3, and MW-5. 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) = 6.61E-03 cm/sec
Transmissivity = 1.28E+00 cm2/sec
Flow Velocity (V=KI/n) = 99.38 m/yr

Monitoring Well MW-3
Hydraulic Conductivity (K) = 6.19E-04 cm/sec
Transmissivity = 1.38E-01 cm2/sec
Flow Velocity (V=KI/n) = 9.29 m/yr

Monitoring Well MW-5
Hydraulic Conductivity (K) = 1.76E-04 cm/sec
Transmissivity = 3.70E-02 cm2/sec
Flow Velocity (V=KI/n) = 2.64 m/yr

Since the thickness of the unconfined aquifer was unknown, the bottoms of monitoring wells MW-1, -3, and -5 were assumed as the lower extent of the aquifer for calculation purposes.

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

The subject property and surrounding properties are all served by private potable wells. Four potable private wells were sampled during the investigation.

Private Well (Subject Property) - 11427 S Business Hwy 53
Located inside the on-site building, near the southeast corner. This well exists approximately 12 feet to the north of the former UST systems. (Could not determine the depth of well, due to a 90 degree turn in the piping before heading south out of the building 6 to 7 feet into the ground)

Douglas County Forestry Building - 9182 E Hughes Avenue
The potable well on this property is located approximately 120 feet southwest of the former UST systems. (Well is constructed to 78 feet below ground surface) (See Attachment C for construction documentation)

Commercial Property - 11423 S Business Hwy 53
The potable well on this property is located approximately 60-70 feet north of the former UST systems. (Well construction unknown and is located inside the building)

Lucius Woods County Park
The potable well on this property is located approximately 1,385 feet south east of the former UST systems. (Well is constructed to 64 feet below ground surface) (See Attachment C for construction documentation)

Numerous other private potable wells exist within 1200 feet of the subject property, but none exist directly down gradient of the source.

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 June 21, 1989, Twin City Testing Corporation (TCT) of Duluth, Minnesota oversaw the removal of the three UST's from the subject property. The UST's had already been removed by the time TCT arrived. TCT personnel collected three soil samples from the bottom of the gasoline UST excavation to be analyzed with an HNU photo-ionization detector (PID). The PID results showed levels ranging from 130 to 150 ppm. The edges were then tested and it was found that the west end was contaminated only in the bottom center. One to two feet of material was removed and the area retested. The samples were then found to show no PID detects. The focus of the excavation was then given to cleaning up the east end of the excavation. PID readings ranging from 50 to 150 ppm were obtained from the sides of the pit and approximately 130 ppm from the bottom of the excavation. Approximately 2 feet of the bottom material was then excavated and the area was retested and found to be 20 ppm. Another 3 feet was then removed and retesting gave PID readings of 500 ppm. At that point work was stopped until decisions could be made regarding what course of action should be taken to clean up the site. The petroleum contamination was reported to the WDNR, who then required that a LUST investigation be conducted. (Status Report - June 1989)

On October 22, 1990, TCT conducted four soil borings (SB-1 thru SB-4) ranging from 14 to 19 feet below ground surface (bgs). Continuous soil sampling was conducted for HNU screening and one soil sample per boring was submitted for total hydrocarbons as gasoline, BTEX, and Lead analysis. (Status Report - November 1990)

On September 18-20, 2012, METCO supervised the completion of ten soil borings and installation of six monitoring wells (G-1 thru G-10 and MW-1 thru MW-6). Sixty-four soil samples were collected for field and/or laboratory analysis (PID, Lead, GRO, VOC, PVOC, and/or Naphthalene) and nine groundwater samples and three potable wells (9182 E. Hughes, 11423 S. Bus Hwy 53, and 11427 S. Bus Hwy) were collected for laboratory analysis (PVOC and Naphthalene). (Site Investigation Report - September 2014)

On October 2, 2012, METCO personnel surveyed the on site monitoring wells to feet mean sea level (MSL) and collected groundwater samples from six monitoring wells (MW-1 thru MW-6) for field and laboratory analysis (VOC, Dissolved Lead, Dissolved Iron, Dissolved Manganese, Nitrate/Nitrite, and Sulfate). Water level, dissolved oxygen, pH, ORP, specific conductance, and temperature measurements were collected from all sampled monitoring wells. METCO personnel conducted slug tests on monitoring wells MW-1, MW-3, and MW-5. The Monitoring Well network was also surveyed to feet mean sea level (msl) at this time. (Site Investigation Report - September 2014)

On September 25, 2013, METCO supervised the installation and completion of two monitoring wells (MW-7 and MW-8). Five soil samples were collected from the borings for field analysis (PID). (Site Investigation Report - September 2014)

On October 22, 2013, DKS Transport Services, LLC picked up and properly disposed of 9 drums of investigative waste. (Site Investigation Report - September 2014)

On November 7, 2013, METCO collected groundwater samples from the eight monitoring wells for field and laboratory analysis (VOC, PVOC, Dissolved Lead, Dissolved Iron, Dissolved Manganese, Nitrate/Nitrite, Sulfate, and/or Naphthalene) and three potable wells (9182 E. Hughes, 11423 S. Bus Hwy 53, and 11427 S. Bus Hwy) for laboratory analysis (VOC Method 524.2 and Dissolved Lead). Water level, dissolved oxygen, pH, ORP, specific conductance, and temperature measurements were collected from all sampled monitoring wells. (Site Investigation Report - September 2014)

On February 19, 2014, METCO collected groundwater samples from five monitoring wells for field and laboratory analysis (PVOC, Naphthalene, and Dissolved Lead) and one potable well (9182 E. Hughes) for laboratory analysis (Dissolved Lead). Monitoring wells MW-1, MW-4, and MW-8 could not be sampled as they could not be located (due to large snow piles) or could not be accessed (large amount of water over the well). Water level, dissolved oxygen, pH, ORP, specific conductance, and temperature measurements were collected from all sampled monitoring wells. (Site Investigation Report - September 2014)

On May 21, 2014, METCO collected groundwater samples from eight monitoring wells (MW-1 thru MW-8) for field and laboratory analysis (PVOC, Naphthalene, and Dissolved Lead). Water level, dissolved oxygen, pH, ORP, specific conductance, and temperature measurements were collected from all sampled monitoring wells. (Site Investigation Report - September 2014)

On June 11, 2015, METCO personnel collected groundwater samples from eight monitoring wells (MW-1 thru MW-8) and the on-site private well (11423 S. Business Hwy 53) for PVOC and Naphthalene analysis. Monitoring wells MW-2, MW-5, and MW-6 were also analyzed for Dissolved Lead. Water level, dissolved oxygen, pH, ORP, specific conductance, and temperature measurements were collected from all sampled monitoring wells. During the groundwater

sampling, the flush mount cover for monitoring well MW-4 was ripped out of the ground as it appeared to have been hit by a snow plow. The flush mount was put back in at this time. (Annual Groundwater Monitoring Report - June 2016)

On September 14, 2015, METCO personnel collected groundwater samples from eight monitoring wells (MW-1 thru MW-8) and the on-site private well (11423 S. Business Hwy 53) for PVOC and Naphthalene analysis. Monitoring wells MW-2, MW-5, and MW-6 were also analyzed for Dissolved Lead. Water level, dissolved oxygen, pH, ORP, specific conductance, and temperature measurements were collected from all sampled monitoring wells. (Annual Groundwater Monitoring Report - June 2016)

On December 10, 2015, METCO personnel collected groundwater samples from eight monitoring wells (MW-1 thru MW-8) and the on-site private well (11423 S. Business Hwy 53) for PVOC and Naphthalene analysis. Monitoring wells MW-2, MW-5, and MW-6 were also analyzed for Dissolved Lead. Water level, dissolved oxygen, pH, ORP, specific conductance, and temperature measurements were collected from all sampled monitoring wells. (Annual Groundwater Monitoring Report - June 2016)

On March 9, 2016, METCO personnel collected groundwater samples from eight monitoring wells (MW-1 thru MW-8) and the on-site private well (11423 S. Business Hwy 53) for PVOC and Naphthalene analysis. Monitoring wells MW-2, MW-5, and MW-6 were also analyzed for Dissolved Lead. Water level, dissolved oxygen, pH, ORP, specific conductance, and temperature measurements were collected from all sampled monitoring wells. (Annual Groundwater Monitoring Report - June 2016)

On May 23, 2018, Professional Service Industries, Inc, of Chippewa Falls, Wisconsin, completed two soil borings which were converted into monitoring wells (MW-9 and MW-10). Nine soil samples were collected from the soil borings for field analysis (PID). Monitoring well MW-9 was drilled and installed to 13 feet bgs. Monitoring well MW-10 was drilled and installed to 30 feet bgs. Upon completion, all wells were properly developed. (Letter Report - November 2018)

On June 4, 2018, Braun Intertec of Duluth, MN installed three sub-slab vapor sampling ports (SS-01, SS-02, and SS-03) in the floor of the on-site building located at 11427 S Business Highway 53 and one sub-slab vapor sampling port (SS-04) in the floor of the building to the north located at 11423 S Business Highway 53. 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. (Letter Report - November 2018)

On June 4, 2018, Braun Intertec collected vapor samples from the sub-slab sampling ports (SS-01, SS-02, SS-03, and SS-04) for VOC (TO-15) 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. The sub-slab soil vapor sampling results are summarized in the attached data table. (Letter Report - November 2018)

On June 20, 2018, METCO personnel collected groundwater samples from ten monitoring wells for PVOC and Naphthalene (MW-1 thru MW-8) or VOC (MW-9 and MW-10) analysis and three private wells (PW 9182, PW 11427, and PW Cty Park) for VOC analysis. Water level, dissolved oxygen, pH, ORP, specific conductance, and temperature measurements were collected from all monitoring wells. Fauerbach Surveying & Engineering of Hillsboro, WI also properly surveyed all site wells to feet mean sea level (MSL) at this time. METCO was unable to collect a water sample from the private well at 11423 S Business Highway 53 as we could not get a hold of the owner and daycare would not allow us to sample. METCO was also unable to collect a water sample from the private well at 9312 E Main Street due to the occupant not being home and appears vacant. (Letter Report - November 2018)

On September 4, 2018, METCO personnel collected groundwater samples from nine monitoring wells (MW-1 thru MW-7, MW-9 and MW-10) for PVOC and Naphthalene analysis. Water level, dissolved oxygen, pH, ORP, specific conductance, and temperature measurements were collected from all sampled monitoring wells. METCO was unable to sample monitoring well MW-8 as the flush mount appeared to have been destroyed by a road grader and the PVC had filled in with gravel. METCO was unable to collect a water sample from the private well at 11423 S Business Highway 53 as we could not get a hold of the owner. METCO was also unable to collect a water sample from the private well at 9312 E Main Street due to the occupant not being home and appears vacant. (Letter Report - November 2018)

On March 21, 2019, METCO personnel collected groundwater samples from seven monitoring wells (MW-1, MW-2, MW-3, MW-5, MW-6, MW-8, and MW-10) for laboratory analysis (PVOC and Naphthalene). Field measurements for water level, temperature, pH, ORP, Dissolved Oxygen and Specific Conductance were collected from the sampled monitoring wells. Monitoring wells MW-4, MW-7, and MW-9 could not be located due to snow/ice covering the wells.

The on-site potable well could not be sampled as there was no power to the building. (Case Closure - September 2019)

On March 21, 2019, Braun Intertec collected vapor samples from three of the sub-slab sampling ports (SS-01, SS-03, and SS-04) for VOC (TO-15) 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 water dam test was conducted to confirm that the seal is air tight and 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. (Case Closure - September 2019)

On February 19, 2020, METCO collected groundwater samples from three potable wells (9182 E. Hughes, 11423 S. Bus Hwy 53, and 11427 S. Bus Hwy) for laboratory analysis (VOC Method 524.2). At this time METCO personnel conducted a free product check on monitoring well MW-6, and attempted to locate three missing monitoring wells (MW-4, MW-7, and MW-9). Monitoring wells MW-4 and MW-9 were located, however MW-7 could not be located and was most likely destroyed by a snow plow/road grader. (Attachment C)

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's extends beyond the property boundary in to the right-of way of Main Street (Business Hwy 53). This soil contamination plume is approximately 30 feet wide at the property boundary, extends up to 15 feet into the right-of-way and is up to 12 feet thick.

Soil contamination exceeding the NR720 Groundwater RCL's extends beyond the property boundary in to the right-of way of Hughes Avenue. This soil contamination plume is approximately 70 feet wide at the property boundary, extends up to 13 feet into the right-of-way and is up to 15.5 feet thick.

A dissolved phase contaminant plume exceeding the NR140 ES has formed at the watertable and has migrated east into the right-of-way of Main Street (Business Hwy 53). This plume extends across the right-of-way (66 feet) and is approximately 70 feet wide at its widest point.

A dissolved phase contaminant plume exceeding the NR140 ES has formed at the watertable and has migrated south into the right-of-way of the Hughes Avenue. This plume extends approximately 23 feet into the right-of-way and is up to 9 feet wide at the property boundary.

A dissolved phase contaminant plume exceeding the NR140 ES has formed at the watertable and has migrated east into the right-of-way of the Canadian National Railway. This plume extends approximately 65 feet into the right-of-way and is up to 72 feet wide at the western side of the property boundary.

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

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

B. Soil

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

An area of unsaturated soil contamination exceeding the NR720 Groundwater RCL values, exists in the area of the removed gasoline UST's and former pump islands. This irregularly shaped area appears to measure up to 95 feet long, 30 feet wide, and up to 15.5 feet thick.

The area of soil contamination appears to intersect a sanitary sewer service line and a telephone line. According to the Village of Solon Springs, the sanitary sewer lines exists at approximately 6 feet bgs. These lines were installed in 1978 and were backfilled with sand. The sanitary sewer line exists approximately 6.5-8 feet above the watertable. The depth at which the telephone line exists is likely less than 3 feet bgs. The telephone line exists approximately 10 feet above the watertable. Based on field and laboratory analysis of soil samples collected near the utility corridors, and that these lines exist at least 6.5-10 feet above the watertable, it does not appear that these are acting as preferential migration pathways for contamination.

Based on the soil analytical results for Geoprobe borings SB-2 and G-8, it appears that petroleum impacted soils are present at depths greater than 4 feet bgs along the eastern side of the on-site slab on grade building.

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

Soil samples collected within the upper four feet of the soil column exceeding the NR720 Groundwater RCL's include:

G-2-1 (3.5 feet): Lead (41.8 ppm) and Benzene (0.051 ppm).
G-4-1 (3.5 feet): Benzene (0.042 ppm).

G-5-1 (3.5 feet): Lead (60.2 ppm)
G-6-1 (3.5 feet): Lead (55 ppm) and Benzene (0.045 ppm).

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

The method used to establish the soil cleanup standards for this site were the NR720 RCL's. The property is zoned G2-Commercial, therefore non-industrial standards were used for this site.

C. Groundwater

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

A dissolved phase contaminant plume exceeding the NR140 ES and PAL has formed at the watertable in the area of the removed UST system and has migrated toward the east. This plume is at least 188 feet long and up to 117 feet wide.

This groundwater plume is approximately 146 feet northeast of potable well 9182 E. Hughes Ave., 66 feet southeast of potable well 11423 S. Business Hwy 53, 31 feet southeast of potable well 11427 S. Business Hwy 53, and 1,207 feet northeast of the potable well at the Lucious Woods Co. Park.

A buried telephone line exists in the area of the groundwater contamination plume. Buried telephone lines typically exist within 36 inches of ground surface, therefore, this does not pose a risk as potential migration pathway.

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 first encountered at this site on May 21, 2014 in monitoring well MW-6. During all sampling events, approximately 0.20 cumulative gallons of free product has been removed from monitoring well MW-6 and ranged from 1.32 inches to 3 inches in thickness. Depth to groundwater for MW-6 is approximately 16 feet bgs over the course of the investigation. Free product has not been encountered in MW-6 since June 2018.

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 June 4, 2018, Braun Intertec of Duluth, MN installed three sub-slab vapor sampling ports (SS-01, SS-02, and SS-03) in the floor of the on-site building located at 11427 S Business Highway 53 and one sub-slab vapor sampling port (SS-04) in the floor of the building to the north located at 11423 S Business Highway 53. 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. (Letter Report - November 2018)

On June 4, 2018, Braun Intertec collected vapor samples from the sub-slab sampling ports (SS-01, SS-02, SS-03, and SS-04) for VOC (TO-15) 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. The sub-slab soil vapor sampling results are summarized in the attached data table. (Letter Report - November 2018)

On March 21, 2019, Braun Intertec collected vapor samples from the sub-slab sampling ports (SS-01, SS-03, and SS-04) for VOC (TO-15) 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. (Case Closure - September 2019)

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 Small Commercial and or 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 Park Creek, which exists approximately 150 feet to the southeast of the subject property. Park Creek Pond exists approximately 175 feet to the south of the subject property. No surface water or sediment samples were collected since it does not appear that the extent of petroleum contamination has migrated to any surface waters.

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

No surface water or sediment samples were collected.

4. Remedial Actions Implemented and Residual Levels at Closure

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

No remedial actions were conducted.

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

No immediate or interim actions occurred at this site.

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

No remedial actions were conducted.

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

No evaluation of Green and Sustainable Remediation was conducted.

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

An area of unsaturated soil contamination exceeding the NR720 Groundwater RCL values, exists in the area of the removed gasoline UST's and former pump islands. This irregularly shaped area appears to measure up to 95 feet long, 30 feet wide, and up to 12 feet thick.

Soil contamination exceeding the NR720 Groundwater RCL's extends beyond the property boundary in to the right-of way of Main Street (Business Hwy 53). This soil contamination plume is approximately 30 feet wide at the property boundary, extends up to 15 feet into the right-of-way and is up to 12 feet thick.

Soil contamination exceeding the NR720 Groundwater RCL's extends beyond the property boundary in to the right-of way of Hughes Avenue. This soil contamination plume is approximately 70 feet wide at the property boundary, extends up to 13 feet into the right-of-way and is up to 15.5 feet thick.

A dissolved phase contaminant plume exceeding the NR140 ES and PAL has formed at the watertable in the area of the removed UST system and has migrated toward the east. This plume is at least 188 feet long and up to 117 feet wide.

A dissolved phase contaminant plume exceeding the NR140 ES has formed at the watertable and has migrated east into the right-of-way of Main Street (Business Hwy 53). This plume extends across the right-of-way (66 feet) and is approximately 70 feet wide at its widest point.

A dissolved phase contaminant plume exceeding the NR140 ES has formed at the watertable and has migrated south into the right-of-way of the Hughes Avenue. This plume extends approximately 23 feet into the right-of-way and is up to 9 feet wide at the property boundary.

A dissolved phase contaminant plume exceeding the NR140 ES has formed at the watertable and has migrated east into the right-of-way of the Canadian National Railway. This plume extends approximately 65 feet into the right-of-way and is up to 72 feet wide at the western side of the property boundary.

F. Describe the residual soil contamination within four feet of ground surface (direct contact zone) that attains or exceeds RCLs established under s. NR 720.12, Wis. Adm. Code, for protection of human health from direct contact.

There is no known residual soil contamination exceeding the NR720 Direct Contact RCL's.

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.

Soil samples above the observed low water table which currently exceed the NR720 Groundwater RCL's include:

G-2-1 (3.5 feet): Lead (41.8 ppm) and Benzene (0.051 ppm).
G-3-3 (12 feet): Benzene (0.092 ppm), Ethylbenzene (3.9 ppm), Naphthalene (2.69 ppm), Trimethylbenzenes (16.2 ppm), and Xylene (20.9 ppm).
G-4-1 (3.5 feet): Benzene (0.042 ppm).
G-4-2 (8 feet): Benzene (0.0271 ppm).
G-5-1 (3.5 feet): Lead (60.2 ppm).
G-6-1 (3.5 feet): Lead (55 ppm) and Benzene (0.045 ppm).
G-8-2 (8 feet): Benzene (0.212 ppm) and Trimethylbenzenes (3.83 ppm).
G-9-2 (8 feet): Benzene (0.066 ppm).
G-9-3 (12 feet): Benzene (0.226 ppm), Ethylbenzene (1.9 ppm), Trimethylbenzenes (5.02 ppm), and Xylene (9 ppm).

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 contamination will be addressed via a Cap Maintenance Plan and groundwater contamination will be addressed via natural attenuation. Based on sub-slab vapor sampling results, the risk of vapor intrusion appears unlikely.

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).

Due to the overall stable to decreasing groundwater contaminant trends, it appears that natural attenuation has and will continue to effectively reduce the contaminant concentrations.

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 a Cap Maintenance Plan and 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 was installed as part of the site investigation.

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

No NR140 ES or PAL exemptions are needed at this time.

Monitoring locations that currently exceed the NR140 PAL or ES include the following:

Monitoring Well MW-2: Currently shows an NR140 ES exceedance for Trimethylbenzenes (835 ppb) as well as NR140 PAL exceedances for Ethylbenzene (141 ppb), Naphthalene (65 ppb), and Xylene (1010 ppb).
Monitoring Well MW-5: Currently shows an NR140 PAL exceedance for Trimethylbenzenes (121.8 ppb).
Monitoring Well MW-6: Currently shows NR140 ES exceedances for Benzene (295 ppb), Ethylbenzene (5700 ppb), Naphthalene (1040 ppb), Toluene (9600 ppb), Trimethylbenzenes (7320 ppb), and Xylene (27400 ppb).

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.

None of the sub-slab vapor samples exceeded any of the WDNR 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: Includes all affected properties and rights-of-way (ROWs). 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: Source Property	Affected Property (Off-Source)	ROW	Case Closure Situation - Continuing Obligation (database fees will apply, ii. - xiv.)	Maintenance Plan Required
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.

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	Hughes Avenue		07/17/2019	ROWH	379924	654727	X	X											
B	Canadian National RROW		07/16/2019	ROWH	379947	654730	X		X										
C	Business Highway 53		07/09/2019	ROWH	379935	654730	X	X											

Signatures and Findings for Closure Determination

This page has been updated as of February 2019 to comply with the requirements of Wis. Admin. Code ch. NR 712.

Check the correct box for this case closure request and complete the corresponding certification statement(s) listed below to demonstrate that the requirements of Wis. Admin. Code ch. NR 712 have been met. The responsibility for signing the certification may not be delegated per Wis. Admin. Code § NR 712.09 (1). Per Wis. Admin. Code § 712.05 (1), the work must be conducted or supervised by the person certifying.

- (●) The investigation and/or response action(s) for this site evaluated and/or addressed groundwater (including natural attenuation remedies). Both a professional engineer and a hydrogeologist must sign this document per Wis. Admin. Code ch. NR 712.
- ( ) The investigation and the response action(s) for this site did not evaluate or address groundwater. A professional engineer must sign this document per Wis. Admin. Code ch. NR 712.

Engineering Certification

I, Thomas P. 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 4, Wis. Adm. Code; that this document has been prepared 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 document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

Signature Thomas Pignet (reviewed) P.E. # 33227-006

Title Engineer

WISCONSIN THOMAS P. PIGNET 33227-006 LA CROSSE P.E. Stamp PROFESSIONAL ENGINEER 5/7/20

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, am registered in accordance with the requirements of ch. GHSS 2, Wis. Adm. Code, or licensed in accordance with the requirements of ch. GHSS 3, Wis. Adm. Code, and that, to the best of my knowledge, all of the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

Signature Ronald J. Anderson

Title Professional Hydrogeologst/Project Manager Date 5/7/20

Attachment A/Data Tables

A.1 Groundwater Analytical Tables

A.2 Soil Analytical Tables

A.3 Residual Soil Contamination Table

A.4 Vapor Analytical Table

A.5 Other Media of Concern - No surface waters or sediments were assessed as part of the site investigation.

A.6 Water Level Elevations

A.7 Other – Hydraulic Conductivity Calculations, Natural Attenuation Parameters, Free Product Recovery

A.1 Groundwater Analytical Table
(VOC's)
Smith's Union 76 LUST Site BRRTS# 03-16-000069

Sample ID	Date	Lead (ppm)	DRO (ppm)	GRO (ppm)	Benzene (ppb)	Ethyl-benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)	Other VOC's (ppb)
G-1-W	09/18/12	NS	NS	NS	<0.46	<0.46	<0.57	<2.3	<0.48	<1.57	<1.45	NS
G-2-W	09/18/12	NS	NS	NS	**6.8**	10.4	<0.57	*46*	2.79	*259*	191	NS
G-4-W	09/18/12	NS	NS	NS	**160**	15.9	<0.57	5.6	7.3	75	64.2	NS
G-5-W	09/18/12	NS	NS	NS	*3.8*	<0.46	<0.57	<2.3	<0.48	<1.57	0.8-1.54	NS
G-6-W	09/18/12	NS	NS	NS	**68**	<0.46	<0.57	<2.3	1.18	<1.57	1.4-2.14	NS
G-7-W	09/18/12	NS	NS	NS	*2.97*	<0.46	<0.57	<2.3	<0.48	<1.57	<1.45	NS
G-8-W	09/19/12	NS	NS	NS	**34**	0.52	<0.57	<2.3	1.82	<1.57	1.81-2.55	NS
G-9-W	09/19/12	NS	NS	NS	**39**	**1150**	<5.7	**630**	91	**3000**	**5710**	NS
G-10-W	09/19/12	NS	NS	NS	*4.1*	4.5	<0.57	3.01	0.52	2.53-3.32	8.9	NS
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*	

A.1 Groundwater Analytical Table
Smith's Union 76 LUST Site BRRTS# 03-16-000069

Well MW-1
PVC Elevation = 1076.09 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl-benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
10/02/12	1061.47	14.62	<0.7	<0.5	<0.78	<0.8	<2.1	<0.53	<1.54	<1.9
11/07/13	1061.44	14.65	1.2	**44**	1.36	<0.37	<1.2	2.22	1.43-2.26	1.75-2.56
02/19/14	COULD NOT LOCATE – UNDER SNOW PILE									
05/21/14	1062.44	13.65	<0.7	**52**	0.88	<0.37	<1.2	1.38	<1.69	<2.41
06/11/15	1062.31	13.78	NS	*3.9*	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
09/14/15	1062.00	14.09	NS	**42**	<0.73	<0.49	<2.6	1.52	<1.51	<2.06
12/10/15	1061.58	14.51	NS	<0.44	<0.71	<1.1	<1.6	<0.44	<3.1	<3.1
03/09/16	1061.65	14.44	NS	**22.3**	<0.73	<0.49	<2.6	0.98	<1.51	<2.06
06/20/18	1063.18	12.91	NS	**6.0**	<0.53	<0.57	<1.7	<0.45	<1.48	2.19
09/04/18	1062.03	14.06	NS	**34**	<0.53	<0.57	<1.7	1.64	<1.48	<1.58
03/21/19	1061.60	14.49	NS	<0.22	<0.26	<0.28	<2.1	<0.19	<1.43	<0.72
02/19/20	NOT SAMPLED									
ENFORCE MENT STANDARD **ES =**			**15**	**5**	**700**	**60**	**100**	**800**	**480**	**2000**
PREVENTIVE ACTION LIMIT *PAL* =			*1.5*	*0.5*	*140*	*12*	*10*	*160*	*96*	*400*

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

Well MW-2
PVC Elevation = 1076.01 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl-benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
10/02/12	1061.37	14.64	<0.7	<25	*228*	<40	<105	40	**1500**	*1310*
11/07/13	1061.36	14.65	0.9	*3.14*	22.7	<0.37	6	3.2	*121*	118
02/19/14	1061.02	14.99	<0.7	**23.5**	138	<3.7	*54*	13.8	**775**	*740*
05/21/14	1062.31	13.70	*5.9*	**52**	*330*	<18.5	*65*	<40	**1270**	*1800*
06/11/15	1062.09	13.92	1.3	**20.7**	*153*	<4.9	*51*	12	**576**	*790*
09/14/15	1061.91	14.10	*1.5*	**24.7**	*309*	<4.9	*98*	18.3	**1162**	*1730*
12/10/15	1061.45	14.56	1.4	<4.4	*264*	<11	*70*	7.3	**923**	*1390*
03/09/16	1061.55	14.46	<0.8	**25.8**	128	<4.9	*38*	14.6	**550**	*745*
06/20/18	1063.05	12.96	NS	**34**	**850**	<5.7	**340**	23	**3040**	**5290**
09/04/18	1061.92	14.09	NS	**32**	*258*	<11.4	**127**	11.7	**1310**	*1650*
03/21/19	1061.48	14.53	NS	<2.2	*141*	<2.8	*65*	<1.9	**835**	*1010*
02/19/20	NOT SAMPLED									
ENFORCE MENT STANDARD **ES =**			**15**	**5**	**700**	**60**	**100**	**800**	**480**	**2000**
PREVENTIVE ACTION LIMIT *PAL* =			*1.5*	*0.5*	*140*	*12*	*10*	*160*	*96*	*400*

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

A.1 Groundwater Analytical Table
Smith's Union 76 LUST Site BRRTS# 03-16-000069

Well MW-3 6-22-18 Resurveyed 1076.56
PVC Elevation = 1076.55 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl-benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
10/02/12	1062.92	13.63	<0.7	<0.5	<0.78	<0.8	<2.1	<0.53	<1.54	<1.9
11/07/13	1062.87	13.68	<0.7	<0.27	<0.82	<0.37	<1.2	<0.8	<1.69	<2.41
02/19/14	1062.45	14.10	<0.7	<0.27	<0.82	<0.37	<1.2	<0.8	<1.69	<2.41
05/21/14	1063.86	12.69	<0.7	<0.27	<0.82	<0.37	<1.2	<0.8	<1.69	<2.41
06/11/15	1063.51	13.04	NS	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
09/14/15	1063.35	13.20	NS	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
12/10/15	1063.04	13.51	NS	<0.44	<0.71	<1.1	<1.6	<0.44	<3.1	<3.1
03/09/16	1063.05	13.50	NS	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
06/20/18	1064.47	12.09	NS	<0.22	<0.53	<0.57	<1.7	<0.45	<1.48	<1.58
09/04/18	1063.52	13.04	NS	<0.22	<0.53	<0.57	<1.7	<0.45	<1.48	<1.58
03/21/19	1063.02	13.54	NS	<0.22	<0.26	<0.28	<2.1	<0.19	<1.43	<0.72
02/19/20	NOT SAMPLED									
ENFORCE MENT STANDARD **ES =**			**15**	**5**	**700**	**60**	**100**	**800**	**480**	**2000**
PREVENTIVE ACTION LIMIT *PAL* =			*1.5*	*0.5*	*140*	*12*	*10*	*160*	*96*	*400*

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

Well MW-4 6-22-18 Resurveyed 1075.11
PVC Elevation = 1075.13 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl-benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
10/02/12	1061.59	13.54	<0.7	<0.5	<0.78	<0.8	<2.1	<0.53	<1.54	<1.9
11/07/13	1061.59	13.54	<0.7	<0.27	<0.82	<0.37	<1.2	<0.8	<1.69	<2.41
02/19/14	COULD NOT LOCATE									
05/21/14	1062.56	12.57	<0.7	<0.27	<0.82	<0.37	<1.2	<0.8	<1.69	<2.41
06/11/15	1062.24	12.89	NS	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
09/14/15	1062.25	12.88	NS	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
12/10/15	1061.66	13.47	NS	<0.44	<0.71	<1.1	<1.6	<0.44	<3.1	<3.1
03/09/16	1061.61	13.52	NS	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
06/20/18	1064.00	11.11	NS	<0.22	<0.53	<0.57	<1.7	<0.45	<1.48	<1.58
09/04/18	1062.19	12.92	NS	<0.22	<0.53	<0.57	<1.7	<0.45	<1.48	<1.58
03/21/19	COULD NOT LOCATE									
02/19/20	NOT SAMPLED									
ENFORCE MENT STANDARD **ES =**			**15**	**5**	**700**	**60**	**100**	**800**	**480**	**2000**
PREVENTIVE ACTION LIMIT *PAL* =			*1.5*	*0.5*	*140*	*12*	*10*	*160*	*96*	*400*

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

A.1 Groundwater Analytical Table
Smith's Union 76 LUST Site BRRTS# 03-16-000069

Well MW-5 6-22-18 Resurveyed 1074.48
PVC Elevation = 1074.47 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl-benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
10/02/12	1061.35	13.12	*9.8*	<5	34	<8	*24.6*	<5.3	**1002**	179-187
11/07/13	1061.35	13.12	*2.4*	*0.64*	4.8	<0.37	2.44	<0.8	36.4	23.49
02/19/14	1060.67	13.80	*2.7*	<2.7	20.9	<3.7	*20.2*	<8	*241*	65-73.1
05/21/14	1062.48	11.99	<0.7	<2.7	24.8	<3.7	<12	<8	*153*	135-143.1
06/11/15	1062.12	12.35	1.3	*4.4*	34	<0.49	*13.8*	4.8	*259*	69.6
09/14/15	1061.92	12.55	*2.2*	**8.4**	*152*	<0.49	*34*	8.9	**590**	*624.4*
12/10/15	1061.31	13.16	*1.7*	<4.4	21.2	<11	*18.1*	<4.4	*255*	60-69
03/09/16	1061.27	13.20	*1.8*	**5.6**	26.8	<4.9	*79*	13.6	*248*	95.6
06/20/18	1063.83	10.65	NS	*0.61*	0.83	<0.57	<1.7	<0.45	3.72	1.54-2.12
09/04/18	1062.08	12.40	NS	*2.11*	17.7	<0.57	<1.7	1.94	41.28	13.98
03/21/19	1061.47	13.01	NS	0.22	4.6	<0.28	4.7	0.44	*121.8*	29.83
02/19/20	NOT SAMPLED									
ENFORCE MENT STANDARD **ES =**			**15**	**5**	**700**	**60**	**100**	**800**	**480**	**2000**
PREVENTIVE ACTION LIMIT *PAL* =			*1.5*	*0.5*	*140*	*12*	*10*	*160*	*96*	*400*

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

Well MW-6
PVC Elevation = 1076.78 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl-benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
10/02/12	1061.03	15.75	*7*	**2420**	**4700**	<160	**680**	**23200**	**4180**	**23600**
11/07/13	1060.93	15.85	**25.6**	**21.8**	39	<0.37	5.9	*175*	39.5	182
02/19/14	1060.64	16.14	**33**	**304**	**3200**	<37	**2540**	**3300**	**5280**	**14540**
05/21/14	1062.13	14.65	**19.3**	**2790**	**4900**	<185	**750**	**21000**	**4670**	**23800**
06/11/15	1061.47	15.31	**61.1**	**1600**	**5900**	<49	**1330**	**17900**	**10780**	**28800**
09/14/15	1061.35	15.43	**37**	**1800**	**5400**	<49	**990**	**18700**	**7870**	**26100**
12/10/15	1060.98	15.80	**17.5**	**1570**	**6300**	<110	**1240**	**20400**	**9430**	**28600**
03/09/16	1061.23	15.55	*7.4*	**1130**	**6100**	<49	**1180**	**17000**	**10040**	**29600**
06/20/18	1062.43	14.35	NS	**1190**	**3860**	<5.7	**650**	**10400**	**5040**	**24940**
09/04/18	1062.43	14.35	NS	**1060**	**5100**	<57	**910**	**12900**	**7040**	**25100**
03/21/19	1061.26	15.52	NS	**295**	**5700**	<28	**1040**	**9600**	**7320**	**27400**
02/19/20	NOT SAMPLED									
ENFORCE MENT STANDARD **ES =**			**15**	**5**	**700**	**60**	**100**	**800**	**480**	**2000**
PREVENTIVE ACTION LIMIT *PAL* =			*1.5*	*0.5*	*140*	*12*	*10*	*160*	*96*	*400*

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

A.1 Groundwater Analytical Table
Smith's Union 76 LUST Site BRRTS# 03-16-000069

Well MW-7 6-22-18 Resurveyed 1069.14
PVC Elevation = 1069.57 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl-benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
11/07/13	1059.77	9.80	<0.7	**116**	*430*	<2.3	**134**	16.6	**1267**	*1564*
02/19/14	1059.52	10.05	<0.7	**23.7**	49	<0.37	9.8	2.41	74	185
05/21/14	1060.78	8.79	<0.7	*0.87*	<0.82	<0.37	<1.2	<0.8	<1.69	<2.41
06/11/15	1060.23	9.34	NS	**8.5**	29.8	<0.49	*12*	1.09	*231*	111.58
09/14/15	1060.16	9.41	NS	*0.81*	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
12/10/15	1059.82	9.75	NS	**17.2**	75	<1.1	*29.9*	0.66	*265*	279.24
03/09/16	1059.98	9.59	NS	**35**	*231*	<4.9	*82*	30.6	**875**	*1065*
06/20/18	1061.24	7.90	NS	<0.22	<0.53	<0.57	<1.7	<0.45	<1.48	<1.58
09/04/18	1060.17	8.97	NS	<0.22	<0.53	<0.57	<1.7	<0.45	<1.48	<1.58
03/21/19	DESTROYED									
ENFORCE MENT STANDARD **ES =**			**15**	**5**	**700**	**60**	**100**	**800**	**480**	**2000**
PREVENTIVE ACTION LIMIT *PAL* =			*1.5*	*0.5*	*140*	*12*	*10*	*160*	*96*	*400*

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

Well MW-8
PVC Elevation = 1064.48 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl-benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
11/07/13	1058.90	5.58	<0.7	<0.24	<0.55	<0.23	<1.7	<0.69	<3.6	1.56-2.19
02/19/14	COULD NOT ACCESS – WATER RUNNING OVER WELL									
05/21/14	1059.81	4.67	<0.7	<0.27	<0.82	<0.37	<1.2	<0.8	2.09-2.95	4.81
06/11/15	1059.06	5.42	NS	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
09/14/15	1057.12	7.36	NS	<0.46	<0.73	<0.49	<2.6	<0.39	7-7.83	10.8-11.46
12/10/15	1058.87	5.61	NS	<0.44	<0.71	<1.1	<1.6	<0.44	<3.1	<3.1
03/09/16	1059.00	5.48	NS	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
06/20/18	1060.29	4.19	NS	<0.22	<0.53	<0.57	<1.7	<0.45	5.2-5.95	4.1-4.68
09/04/18	ROAD GRADER FILLED IN TO 1.5'									
03/21/19	1055.27	9.21	NS	<0.22	<0.26	<0.28	<2.1	<0.19	<1.43	<0.72
02/19/20	NOT SAMPLED									
ENFORCE MENT STANDARD **ES =**			**15**	**5**	**700**	**60**	**100**	**800**	**480**	**2000**
PREVENTIVE ACTION LIMIT *PAL* =			*1.5*	*0.5*	*140*	*12*	*10*	*160*	*96*	*400*

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

A.1 Groundwater Analytical Table
Smith's Union 76 LUST Site BRRTS# 03-16-000069

Well MW-9
PVC Elevation = 1060.38 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl-benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
06/20/18	1059.98	0.40	NS	<0.22	<0.26	<0.28	<2.1	<0.19	<1.43	<0.72
09/04/18	1058.94	1.44	NS	<0.22	<0.53	<0.57	<1.7	<0.45	<1.48	<1.58
03/21/19	COULD NOT LOCATE									
02/19/20	NOT SAMPLED									
ENFORCE MENT STANDARD ES =			**15**	**5**	**700**	**60**	**100**	**800**	**480**	**2000**
PREVENTIVE ACTION LIMIT *PAL* =			*1.5*	*0.5*	*140*	*12*	*10*	*160*	*96*	*400*

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

Well MW-10
PVC Elevation = 1069.94 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl-benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
06/20/18	1049.76	20.18	NS	<0.22	<0.26	<0.28	<2.1	<0.19	<1.43	<0.72
09/04/18	1050.97	18.97	NS	<0.22	<0.53	<0.57	<1.7	<0.45	<1.48	<1.58
03/21/19	1050.33	19.61	NS	<0.22	<0.26	<0.28	<2.1	<0.19	<1.43	<0.72
02/19/20	NOT SAMPLED									
ENFORCE MENT STANDARD ES =			**15**	**5**	**700**	**60**	**100**	**800**	**480**	**2000**
PREVENTIVE ACTION LIMIT *PAL* =			*1.5*	*0.5*	*140*	*12*	*10*	*160*	*96*	*400*

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

A.1 Groundwater Analytical Table
Smith's Union 76 LUST Site BRRTS# 03-16-000069

Private Well 9182 E. Hughes

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl-benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
11/07/13	NM	NM	*3.2*	<0.24	<0.48	<0.49	<0.23	<0.24	<0.57	<0.94
02/19/14	NM	NM	<0.7	NOT SAMPLED						
05/21/14	NOT SAMPLED									
06/11/15	NM	NM	NOT SAMPLED							
09/14/15	NM	NM	NOT SAMPLED							
12/10/15	NM	NM	NOT SAMPLED							
03/09/16	NM	NM	NOT SAMPLED							
06/20/18	NM	NM	NS	<0.22	<0.26	<0.28	<2.1	<0.19	<1.43	<0.72
09/04/18	NM	NM	NOT SAMPLED							
03/21/19	NM	NM	NOT SAMPLED							
02/19/20	NM	NM	NS	<0.29	<0.41	<0.42	<0.58	<0.29	<0.63	<1.15
ENFORCE MENT STANDARD **ES =**			**15**	**5**	**700**	**60**	**100**	**800**	**480**	**2000**
PREVENTIVE ACTION LIMIT *PAL* =			*1.5*	*0.5*	*140*	*12*	*10*	*160*	*96*	*400*

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

Private Well 11423 S. Bus Hwy 53

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl-benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
11/07/13	NM	NM	<0.7	<0.24	<0.48	<0.49	<0.23	<0.24	<0.57	<0.94
02/19/14	NOT SAMPLED									
05/21/14	NOT SAMPLED									
06/11/15	NM	NM	NOT SAMPLED							
09/14/15	NM	NM	NOT SAMPLED							
12/10/15	NM	NM	NOT SAMPLED							
03/09/16	NM	NM	NOT SAMPLED							
06/20/18	NM	NM	NOT SAMPLED							
09/04/18	NM	NM	NOT SAMPLED							
03/21/19	NM	NM	NOT SAMPLED							
02/19/20	NM	NM	NS	<0.29	<0.41	<0.42	<0.58	<0.29	<0.63	<1.15
ENFORCE MENT STANDARD **ES =**			**15**	**5**	**700**	**60**	**100**	**800**	**480**	**2000**
PREVENTIVE ACTION LIMIT *PAL* =			*1.5*	*0.5*	*140*	*12*	*10*	*160*	*96*	*400*

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

A.1 Groundwater Analytical Table
Smith's Union 76 LUST Site BRRTS# 03-16-000069

Private Well 11427 S. Business Hwy 53

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl-benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
08/19/12	NM	NM	NS	<0.24	<0.27	<0.38	<0.34	<0.39	<0.24	<0.97
11/07/13	NM	NM	<0.7	<0.24	<0.48	<0.49	<0.23	<0.24	<0.57	<0.94
02/19/14	NOT SAMPLED									
05/21/14	NOT SAMPLED									
06/11/15	NM	NM	NS	<0.46	<0.73	<0.49	<2.6	0.86	<1.51	<2.06
09/14/15	NM	NM	NS	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
12/10/15	NM	NM	NS	<0.44	<0.71	<1.1	<1.6	0.5	<3.1	<3.1
03/09/16	NM	NM	NS	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
06/20/18	NM	NM	NS	<0.22	<0.26	<0.28	<2.1	0.82	<1.43	<0.72
09/04/18	NM	NM	NOT SAMPLED							
03/21/19	NM	NM	NOT SAMPLED							
02/19/20	NM	NM	NS	<0.29	<0.41	<0.42	<0.58	<0.29	<0.63	<1.15
ENFORCE MENT STANDARD **ES =**			**15**	**5**	**700**	**60**	**100**	**800**	**480**	**2000**
PREVENTIVE ACTION LIMIT *PAL* =			*1.5*	*0.5*	*140*	*12*	*10*	*160*	*96*	*400*

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

Private Well Lucius County Park

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl-benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
06/20/18	NM	NM	NS	<0.22	<0.26	<0.28	<2.1	<0.19	<1.43	<0.72
09/04/18	NM	NM	NOT SAMPLED							
03/21/19	NM	NM	NOT SAMPLED							
02/19/20	NM	NM	NOT SAMPLED							
ENFORCE MENT STANDARD **ES =**			**15**	**5**	**700**	**60**	**100**	**800**	**480**	**2000**
PREVENTIVE ACTION LIMIT *PAL* =			*1.5*	*0.5*	*140*	*12*	*10*	*160*	*96*	*400*

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

A.1 Groundwater Analytical Table
(VOC's)
Smith's Union 76 LUST Site BRRTS# 03-16-000069

Well Sampling Conducted on September 18, 2012

VOC's Well Name	11427 S. Bus Hwy 53 Potable Well	ENFORCEMENT STANDARD = ES – Bold	*PREVENTIVE ACTION LIMIT =* *PAL - Italics*
Benzene/ppb	< 0.24	5	*0.5*
Bromobenzene/ppb	< 0.31	==	==
Bromodichloromethane/ppb	< 0.33	==	==
Bromoform/ppb	< 0.33	==	==
tert-Butylbenzene/ppb	< 0.61	==	==
sec-Butylbenzene/ppb	< 0.47	==	==
n-Butylbenzene/ppb	< 0.25	==	==
Carbon Tetrachloride/ppb	< 1.1	==	==
Chlorobenzene/ppb	< 0.39	==	==
Chloroethane/ppb	< 0.32	==	==
Chloroform/ppb	< 0.3	==	==
Chloromethane/ppb	< 0.25	==	==
2-Chlorotoluene/ppb	< 0.39	==	==
4-Chlorotoluene/ppb	< 0.21	==	==
1,2-Dibromo-3-chloropropane/ppb	< 0.33	==	==
Dibromochloromethane/ppb	< 0.12	==	==
1,4-Dichlorobenzene/ppb	< 0.22	==	==
1,3-Dichlorobenzene/ppb	< 0.34	==	==
1,2-Dichlorobenzene/ppb	< 0.3	==	==
Dichlorodifluoromethane/ppb	< 0.38	==	==
1,2-Dichloroethane/ppb	< 0.37	5	*0.5*
1,1-Dichloroethane/ppb	< 0.42	==	==
1,1-Dichloroethene/ppb	< 0.38	==	==
cis-1,2-Dichloroethene/ppb	< 0.35	==	==
trans-1,2-Dichloroethene/ppb	< 1.9	==	==
1,2-Dichloropropane/ppb	< 0.21	==	==
2,2-Dichloropropane/ppb	< 0.37	==	==
1,3-Dichloropropane/ppb	< 0.25	==	==
Di-isopropyl ether/ppb	< 0.2	==	==
EDB (1,2-Dibromoethane)/ppb	< 0.27	0.05	*0.005*
Ethylbenzene/ppb	< 0.31	700	*140*
Hexachlorobutadiene/ppb	< 0.26	==	==
Isopropylbenzene/ppb	< 0.39	==	==
p-Isopropyltoluene/ppb	< 0.33	==	==
Methylene chloride/ppb	< 0.38	==	==
Methyl tert-butyl ether (MTBE)/ppb	< 0.34	60	*12*
Naphthalene/ppb	< 0.16	100	*10*
n-Propylbenzene/ppb	< 0.24	==	==
1,1,2,2-Tetrachloroethane/ppb	< 0.39	==	==
1,1,1,2-Tetrachloroethane/ppb	< 0.4	==	==
Tetrachloroethene (PCE)/ppb	< 0.39	5	*0.5*
Toluene/ppb	< 0.14	800	*160*
1,2,4-Trichlorobenzene/ppb	< 0.4	==	==
1,2,3-Trichlorobenzene/ppb	< 0.39	==	==
1,1,1-Trichloroethane/ppb	< 0.4	==	==
1,1,2-Trichloroethane/ppb	< 0.38	==	==
Trichloroethene (TCE)/ppb	< 0.57	5	*0.5*
Trichlorofluoromethane/ppb	< 0.3	==	==
1,2,4-Trimethylbenzene/ppb	< 0.15		
1,3,5-Trimethylbenzene/ppb	< 0.092	480	*96*
Vinyl Chloride/ppb	< 0.18	==	==
m&p-Xylene/ppb	< 0.65		
o-Xylene/ppb	< 0.32	2000	*400*

NS = not sampled, NM = Not Measured

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

= = No Exceedences

A.1 Groundwater Analytical Table
Smith's Union 76 LUST Site BRRTS# 03-16-000069

Well Sampling Conducted on:	10/02/12	10/02/12	10/02/12	10/02/12	10/02/12	10/02/12	11/07/13	11/07/13	11/07/13	11/07/13	11/07/13
VOC's											
Well Name	**MW-1**	**MW-2**	**MW-3**	**MW-4**	**MW-5**	**MW-6**	**MW-7**	**MW-8**	**9182 E. Hughes**	**11423 S. Bus Hwy**	**11427 S. Bus Hwy 53**
Benzene/ppb	< 0.5	< 25	< 0.5	< 0.5	< 5	**2420**	**116**	< 0.24	< 0.24	< 0.24	< 0.24
Bromobenzene/ppb	< 0.74	< 37	< 0.74	< 0.74	< 7.4	< 148	< 3.2	< 0.32	< 0.33	< 0.33	< 0.33
Bromodichloromethane/ppb	< 0.68	< 34	< 0.68	< 0.68	< 6.8	< 136	< 3.7	< 0.37	< 0.27	< 0.27	< 0.27
Bromoform/ppb	< 0.43	< 21.5	< 0.43	< 0.43	< 4.3	< 86	< 3.5	< 0.35	< 0.34	< 0.34	< 0.34
tert-Butylbenzene/ppb	< 0.71	< 35.5	< 0.71	< 0.71	< 7.1	< 142	< 3.6	< 0.36	< 0.98	< 0.98	< 0.98
sec-Butylbenzene/ppb	< 1	< 50	< 1	< 1	12.4 "J"	< 200	10.8	< 0.33	< 0.25	< 0.25	< 0.25
n-Butylbenzene/ppb	4.3	59 "J"	< 0.9	< 0.9	63	< 180	32	< 0.35	< 0.24	< 0.24	< 0.24
Carbon Tetrachloride/ppb	< 0.47	< 23.5	< 0.47	< 0.47	< 4.7	< 94	< 3.3	< 0.33	< 0.62	< 0.62	< 0.62
Chlorobenzene/ppb	< 0.51	< 25.5	< 0.51	< 0.51	< 5.1	< 102	< 2.4	< 0.24	< 0.28	< 0.28	< 0.28
Chloroethane/ppb	< 1.4	< 70	< 1.4	< 1.4	< 14	< 280	< 6.3	< 0.63	< 0.81	< 0.81	< 0.81
Chloroform/ppb	< 0.49	< 24.5	< 0.49	< 0.49	< 4.9	< 98	< 2.8	< 0.28	< 0.35	< 0.35	< 0.35
Chloromethane/ppb	< 1.9	< 95	< 1.9	< 1.9	< 19	< 380	< 8.1	< 0.81	< 0.29	< 0.29	< 0.29
2-Chlorotoluene/ppb	< 0.7	< 35	< 0.7	< 0.7	< 7	< 140	< 2.1	< 0.21	< 0.2	< 0.2	< 0.2
4-Chlorotoluene/ppb	< 0.44	< 22	< 0.44	< 0.44	< 4.4	< 88	< 2.1	< 0.21	< 0.41	< 0.41	< 0.41
1,2-Dibromo-3-chloropropane/ppb	< 2.8	< 140	< 2.8	< 2.8	< 28	< 560	< 8.8	< 0.88	< 0.25	< 0.25	< 0.25
Dibromochloromethane/ppb	< 0.55	< 27.5	< 0.55	< 0.55	< 5.5	< 110	< 2.2	< 0.22	< 0.3	< 0.3	< 0.3
1,4-Dichlorobenzene/ppb	< 0.98	< 49	< 0.98	< 0.98	< 9.8	< 196	< 3	< 0.3	< 0.28	< 0.28	< 0.28
1,3-Dichlorobenzene/ppb	< 0.87	< 43.5	< 0.87	< 0.87	< 8.7	< 174	< 2.8	< 0.28	< 0.27	< 0.27	< 0.27
1,2-Dichlorobenzene/ppb	< 0.76	< 38	< 0.76	< 0.76	< 7.6	< 152	< 3.6	< 0.36	< 0.41	< 0.41	< 0.41
Dichlorodifluoromethane/ppb	< 1.8	< 90	< 1.8	< 1.8	< 18	< 360	< 4.4	< 0.44	< 0.3	< 0.3	< 0.3
1,2-Dichloroethane/ppb	< 0.5	< 25	< 0.5	< 0.5	< 5	< 100	< 4.1	< 0.41	< 0.31	< 0.31	< 0.31
1,1-Dichloroethane/ppb	< 0.98	< 49	< 0.98	< 0.98	< 9.8	< 196	< 3	< 0.3	< 0.32	< 0.32	< 0.32
1,1-Dichloroethene/ppb	< 0.6	< 30	< 0.6	< 0.6	< 6	< 120	< 4	< 0.4	< 0.25	< 0.25	< 0.25
cis-1,2-Dichloroethene/ppb	< 0.74	< 37	< 0.74	< 0.74	< 7.4	< 148	< 3.8	< 0.38	< 0.32	< 0.32	< 0.32
trans-1,2-Dichloroethene/ppb	< 0.79	< 39.5	< 0.79	< 0.79	< 7.9	< 158	< 3.5	< 0.35	< 0.45	< 0.45	< 0.45
1,2-Dichloropropane/ppb	< 0.4	< 20	< 0.4	< 0.4	< 4	< 80	< 3.2	< 0.32	< 0.26	< 0.26	< 0.26
2,2-Dichloropropane/ppb	< 1.9	< 95	< 1.9	< 1.9	< 19	< 380	< 3.6	< 0.36	< 0.22	< 0.22	< 0.22
1,3-Dichloropropane/ppb	< 0.71	< 35.5	< 0.71	< 0.71	< 7.1	< 142	< 3.3	< 0.33	< 0.2	< 0.2	< 0.2
Di-isopropyl ether/ppb	< 0.69	< 34.5	< 0.69	< 0.69	< 6.9	< 138	< 2.3	< 0.23	< 0.34	< 0.34	< 0.34
EDB (1,2-Dibromoethane)/ppb	< 0.63	< 31.5	< 0.63	< 0.63	< 6.3	< 126	< 4.4	< 0.44	< 0.27	< 0.27	< 0.27
Ethylbenzene/ppb	< 0.78	228	< 0.78	< 0.78	34	**4700**	*430*	< 0.55	< 0.48	< 0.48	< 0.48
Hexachlorobutadiene/ppb	< 2.2	< 110	< 2.2	< 2.2	< 22	< 440	< 15	< 1.5	< 0.3	< 0.3	< 0.3
Isopropylbenzene/ppb	< 0.92	< 46	< 0.92	< 0.92	19.2 "J"	< 184	45	< 0.3	< 0.3	< 0.3	< 0.3
p-Isopropyltoluene/ppb	< 0.92	< 46	< 0.92	< 0.92	13 "J"	< 184	3.9 "J"	< 0.31	< 0.35	< 0.35	< 0.35
Methylene chloride/ppb	< 1.1	< 55	< 1.1	< 1.1	< 11	< 220	< 5	< 0.5	< 0.26	< 0.26	< 0.26
Methyl tert-butyl ether (MTBE)/ppb	< 0.8	< 40	< 0.8	< 0.8	< 8	< 160	< 2.3	< 0.23	< 0.49	< 0.49	< 0.49
Naphthalene/ppb	< 2.1	< 105	< 2.1	< 2.1	24.6 "J"	**680 "J"**	**134**	< 1.7	< 0.23	< 0.23	< 0.23
n-Propylbenzene/ppb	< 0.59	260	< 0.59	< 0.59	96	520	204	< 0.25	< 0.45	< 0.45	< 0.45
1,1,2,2-Tetrachloroethane/ppb	< 0.53	< 26.5	< 0.53	< 0.53	< 5.3	< 106	< 4.5	< 0.45	< 0.29	< 0.29	< 0.29
1,1,1,2-Tetrachloroethane/ppb	< 1	< 50	< 1	< 1	< 10	< 200	< 3.3	< 0.33	< 0.27	< 0.27	< 0.27
Tetrachloroethene (PCE)/ppb	< 0.44	< 22	< 0.44	< 0.44	< 4.4	< 88	< 3.3	< 0.33	< 0.24	< 0.24	< 0.24
Toluene/ppb	< 0.53	40 "J"	< 0.53	< 0.53	< 5.3	**23200**	16.6 "J"	< 0.69	< 0.24	< 0.24	< 0.24
1,2,4-Trichlorobenzene/ppb	< 1.5	< 75	< 1.5	< 1.5	< 15	< 300	< 9.8	< 0.98	< 0.33	< 0.33	< 0.33
1,2,3-Trichlorobenzene/ppb	< 1.3	< 65	< 1.3	< 1.3	< 13	< 260	< 18	< 1.8	< 0.34	< 0.34	< 0.34
1,1,1-Trichloroethane/ppb	< 0.85	< 42.5	< 0.85	< 0.85	< 8.5	< 170	< 3.3	< 0.33	< 0.3	< 0.3	< 0.3
1,1,2-Trichloroethane/ppb	< 0.47	< 23.5	< 0.47	< 0.47	< 4.7	< 94	< 3.4	< 0.34	< 0.26	< 0.26	< 0.26
Trichloroethene (TCE)/ppb	< 0.47	< 23.5	< 0.47	< 0.47	< 4.7	< 94	< 3.3	< 0.33	< 0.91	< 0.91	< 0.91
Trichlorofluoromethane/ppb	< 1.7	< 85	< 1.7	< 1.7	< 17	< 340	< 7.1	< 0.71	< 0.41	< 0.41	< 0.41
1,2,4-Trimethylbenzene/ppb	< 0.8	**1100**	< 0.8	< 0.8	**730**	**3300**	**980**	< 2.2	< 0.31	< 0.31	< 0.31
1,3,5-Trimethylbenzene/ppb	< 0.74	*400*	< 0.74	< 0.74	*272*	**880**	**287**	< 1.4	< 0.26	< 0.26	< 0.26
Vinyl Chloride/ppb	< 0.18	< 9	< 0.18	< 0.18	< 1.8	< 36	< 1.8	< 0.18	< 0.18	< 0.18	< 0.18
m&p-Xylene/ppb	< 1.1	*940*	< 1.1	< 1.1	179	**16600**	1510	1.56 "J"	< 0.69	< 0.69	< 0.69
o-Xylene/ppb	< 0.8	370	< 0.8	< 0.8	< 8	**7000**	54	< 0.63	< 0.25	< 0.25	< 0.25

ENFORCE MENT STANDARD = ES – Bold	*PREVENTIVE ACTION LIMIT = PAL - Italics*
5	*0.5*
==	==
==	==
==	==
==	==
==	==
==	==
==	==
==	==
==	==
==	==
==	==
==	==
==	==
==	==
==	==
==	==
==	==
==	==
5	*0.5*
==	==
==	==
==	==
==	==
==	==
0.05	*0.005*
700	*140*
==	==
==	==
==	==
==	==
60	*12*
100	*10*
==	==
==	==
==	==
5	*0.5*
800	*160*
==	==
==	==
==	==
==	==
5	*0.5*
==	==
480	*96*
==	==
2000	*400*

NS = not sampled, NM = Not Measured
Q = Analyte detected above laboratory method detection limit but below practical quantitation limit.
= = No Standards

A.1 Groundwater Analytical Table
Smith's Union 76 LUST Site BRRTS# 03-16-000069

Well Sampling Conducted on:	06/20/18	06/20/18	06/20/18	06/20/18	06/20/18		
VOC's						**ENFORCEMENT STANDARD = ES – Bold**	*PREVENTIVE ACTION LIMIT = PAL - Italics*
Well Name	**MW-9**	**MW-10**	**9182 E. Hughes**	**11427 S. Bus Hwy 53**	**Lucius County Park**		
Lead, dissolved/ppb	NS	NS	NS	NS	NS	**15**	*1.5*
Benzene/ppb	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	**5**	*0.5*
Bromobenzene/ppb	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	==	==
Bromodichloromethane/ppb	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	**0.6**	*0.06*
Bromoform/ppb	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	**4.4**	*0.44*
tert-Butylbenzene/ppb	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	==	==
sec-Butylbenzene/ppb	< 0.79	< 0.79	< 0.79	< 0.79	< 0.79	==	==
n-Butylbenzene/ppb	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	==	==
Carbon Tetrachloride/ppb	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	**5**	*0.5*
Chlorobenzene/ppb	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	==	==
Chloroethane/ppb	< 0.61	< 0.61	< 0.61	< 0.61	< 0.61	**400**	*80*
Chloroform/ppb	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	**6**	*0.6*
Chloromethane/ppb	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	**30**	*3*
2-Chlorotoluene/ppb	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	==	==
4-Chlorotoluene/ppb	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	==	==
1,2-Dibromo-3-chloropropane/ppb	< 2.96	< 2.96	< 2.96	< 2.96	< 2.96	**0.2**	*0.02*
Dibromochloromethane/ppb	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	**60**	*6*
1,4-Dichlorobenzene/ppb	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	**75**	*15*
1,3-Dichlorobenzene/ppb	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	**600**	*120*
1,2-Dichlorobenzene/ppb	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	**600**	*60*
Dichlorodifluoromethane/ppb	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	**1000**	*200*
1,2-Dichloroethane/ppb	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	**5**	*0.5*
1,1-Dichloroethane/ppb	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	**850**	*85*
1,1-Dichloroethene/ppb	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	**7**	*0.7*
cis-1,2-Dichloroethene/ppb	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	**70**	*7*
trans-1,2-Dichloroethene/ppb	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	**100**	*20*
1,2-Dichloropropane/ppb	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	**5**	*0.5*
1,3-Dichloropropane/ppb	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	==	==
trans-1,3-Dichloropropene/ppb	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	**0.4**	*0.04*
cis-1,3-Dichloropropene/ppb	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26		
DI-isopropyl ether/ppb	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	==	==
EDB (1,2-Dibromoethane)/ppb	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	**0.05**	*0.005*
Ethylbenzene/ppb	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	**700**	*140*
Hexachlorobutadiene/ppb	< 1.34	< 1.34	< 1.34	< 1.34	< 1.34	==	==
Isopropylbenzene/ppb	< 0.78	< 0.78	< 0.78	< 0.78	< 0.78	==	==
p-Isopropyltoluene/ppb	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	==	==
Methylene chloride/ppb	< 1.32	< 1.32	< 1.32	< 1.32	< 1.32	**5**	*0.5*
Methyl tert-butyl ether (MTBE)/ppb	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	**60**	*12*
Naphthalene/ppb	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	**100**	*10*
n-Propylbenzene/ppb	< 0.61	< 0.61	< 0.61	< 0.61	< 0.61	==	==
1,1,2,2-Tetrachloroethane/ppb	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	**0.2**	*0.02*
1,1,1,2-Tetrachloroethane/ppb	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	**70**	*7*
Tetrachloroethene (PCE)/ppb	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	**5**	*0.5*
Toluene/ppb	< 0.19	< 0.19	< 0.19	0.82	< 0.19	**800**	*160*
1,2,4-Trichlorobenzene/ppb	< 1.15	< 1.15	< 1.15	< 1.15	< 1.15	**70**	*14*
1,2,3-Trichlorobenzene/ppb	< 1.71	< 1.71	< 1.71	< 1.71	< 1.71	==	==
1,1,1-Trichloroethane/ppb	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	**200**	*40*
1,1,2-Trichloroethane/ppb	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	**5**	*0.5*
Trichloroethene (TCE)/ppb	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	**5**	*0.5*
Trichlorofluoromethane/ppb	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	==	==
1,2,4-Trimethylbenzene/ppb	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	**Total TMB's 480**	*Total TMB's 96*
1,3,5-Trimethylbenzene/ppb	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63		
Vinyl Chloride/ppb	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	**0.2**	*0.02*
m&p-Xylene/ppb	< 0.43	< 0.43	< 0.43	< 0.43	< 0.43	**Total Xylenes 2000**	*Total Xylenes 400*
o-Xylene/ppb	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29		

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

A.1 Groundwater Analytical Table
Smith's Union 76 LUST Site BRRTS# 03-16-000069

Well Sampling Conducted on:	**02/19/20**	**02/19/20**	**02/19/20**		
VOC's (Method 524.2)				**ENFORCEMENT STANDARD = ES – Bold**	*PREVENTIVE ACTION LIMIT = PAL - Italics*
Well Name	**9182 E. Hughes**	**11427 S. Bus Hwy 53**	**11423 S. Business 53**		
Benzene/ppb	< 0.29	< 0.29	< 0.29	**5**	*0.5*
Bromobenzene/ppb	< 0.27	< 0.27	< 0.27	==	==
Bromodichloromethane/ppb	< 0.46	< 0.46	< 0.46	**0.6**	*0.06*
Bromoform/ppb	< 0.28	< 0.28	< 0.28	**4.4**	*0.44*
Bromomethane/ppb	< 1.2	< 1.2	< 1.2	**10**	*1*
Carbon Tetrachloride/ppb	< 0.41	< 0.41	< 0.41	**5**	*0.5*
Chlorobenzene/ppb	< 0.28	< 0.28	< 0.28	==	==
Chloroethane/ppb	< 0.61	< 0.61	< 0.61	**400**	*80*
Chloroform/ppb	< 0.63	< 0.63	< 0.63	**6**	*0.6*
Chloromethane/ppb	< 0.54	< 0.54	< 0.54	**30**	*3*
2-Chlorotoluene/ppb	< 0.45	< 0.45	< 0.45	==	==
4-Chlorotoluene/ppb	< 0.34	< 0.34	< 0.34	==	==
Dibromochloromethane/ppb	< 0.3	< 0.3	< 0.3	**60**	*6*
Dibromomethane/ppb	< 0.47	< 0.47	< 0.47	==	==
1,4-Dichlorobenzene/ppb	< 0.3	< 0.3	< 0.3	**75**	*15*
1,3-Dichlorobenzene/ppb	< 0.31	< 0.31	< 0.31	**600**	*120*
1,2-Dichlorobenzene/ppb	< 0.35	< 0.35	< 0.35	**600**	*60*
Dichlorodifluoromethane/ppb	< 0.41	< 0.41	< 0.41	**1000**	*200*
1,2-Dichloroethane/ppb	< 0.41	< 0.41	< 0.41	**5**	*0.5*
1,1-Dichloroethane/ppb	< 0.29	< 0.29	< 0.29	**850**	*85*
1,1-Dichloroethene/ppb	< 0.34	< 0.34	< 0.34	**7**	*0.7*
cis-1,2-Dichloroethene/ppb	< 0.45	< 0.45	< 0.45	**70**	*7*
trans-1,2-Dichloroethene/ppb	< 0.34	< 0.34	< 0.34	**100**	*20*
1,2-Dichloropropane/ppb	< 0.42	< 0.42	< 0.42	**5**	*0.5*
2,2-Dichloropropane/ppb	< 0.38	< 0.38	< 0.38	==	==
1,3-Dichloropropane/ppb	< 0.44	< 0.44	< 0.44	==	==
trans-1,3-Dichloropropene/ppb	< 0.33	< 0.33	< 0.33	**0.4**	*0.04*
cis-1,3-Dichloropropene/ppb	< 0.34	< 0.34	< 0.34	**0.4**	*0.04*
1,1-Dichloropropene/ppb	< 0.33	< 0.33	< 0.33	==	==
Ethylbenzene/ppb	< 0.41	< 0.41	< 0.41	**700**	*140*
Hexachlorobutadiene/ppb	< 0.52	< 0.52	< 0.52	==	==
Isopropylbenzene/ppb	< 0.26	< 0.26	< 0.26	==	==
p-Isopropyltoluene/ppb	< 0.36	< 0.36	< 0.36	==	==
Methylene chloride/ppb	< 0.51	< 0.51	< 0.51	**5**	*0.5*
Methyl tert-butyl ether (MTBE)/ppb	< 0.42	< 0.42	< 0.42	**60**	*12*
Naphthalene/ppb	< 0.58	< 0.58	< 0.58	**100**	*10*
Styrene/ppb	< 0.35	< 0.35	< 0.35	**100**	*10*
1,1,2,2-Tetrachloroethane/ppb	< 0.33	< 0.33	< 0.33	**0.2**	*0.02*
1,1,1,2-Tetrachloroethane/ppb	< 0.63	< 0.63	< 0.63	**70**	*7*
Tetrachloroethene (PCE)/ppb	< 0.28	< 0.28	< 0.28	**5**	*0.5*
Toluene/ppb	< 0.29	< 0.29	< 0.29	**800**	*160*
1,2,4-Trichlorobenzene/ppb	< 0.39	< 0.39	< 0.39	**70**	*14*
1,1,1-Trichloroethane/ppb	< 0.31	< 0.31	< 0.31	**200**	*40*
1,1,2-Trichloroethane/ppb	< 0.4	< 0.4	< 0.4	**5**	*0.5*
Trichloroethene (TCE)/ppb	< 0.42	< 0.42	< 0.42	**5**	*0.5*
Trichlorofluoromethane/ppb	< 0.34	< 0.34	< 0.34	==	==
1,2,3-Trichloropropane/ppb	< 0.57	< 0.57	< 0.57	**60**	*12*
Trichlorotrifluoroethane/ppb	< 0.18	< 0.18	< 0.18	==	==
1,2,4-Trimethylbenzene/ppb	< 0.3	< 0.3	< 0.3	**480**	*96*
1,3,5-Trimethylbenzene/ppb	< 0.33	< 0.33	< 0.33		
Vinyl Chloride/ppb	< 0.2	< 0.2	< 0.2	**0.2**	*0.02*
m&p-Xylene/ppb	< 0.78	< 0.78	< 0.78	**2000**	*400*
o-Xylene/ppb	< 0.37	< 0.37	< 0.37		

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

A.2. Soil Analytical Results Table
Smith's Union 76 LUST Site BRRTS# 03-16-000069

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 (ppm)	DIRECT CONTACT		
																	Exeedance Count	Hazard Index	Cumulative Cancer Risk
SB-1	14.0	U	10/22/90	unknown	<2.5	NS	NS	<0.001	<0.001	<0.001	NS	<0.001	NS	NS	<0.001	NS			
SB-2	17.0	S	10/22/90	unknown	<2.5	NS	NS	**0.014**	0.006	NS	NS	0.007	NS	NS	0.09	NS			
SB-3	19.0	S	10/22/90	unknown	<2.5	NS	NS	**20**	**16**	NS	NS	**27**	NS	NS	**90**	NS			
SB-4	16.0	S	10/22/90	unknown	<2.5	NS	NS	<0.001	<0.001	NS	NS	<0.001	NS	NS	0.011	NS			
G-1-1	3.5	U	09/18/12	0	6.63	NS	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0	1.66E-02	0
G-1-2	8.0	U	09/18/12	0	NS	NS	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-1-3	12.0	U	09/18/12	0	NS	NS	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-1-4	16.0	S	09/18/12	0	NS	NS	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-1-5	18.0	S	09/18/12	0	NOT SAMPLED											NS			
G-2-1	3.5	U	09/18/12	0	**41.8**	NS	<10	**0.051**	0.0278	<0.025	0.057	0.218	0.172	0.100	0.425	NS	0	1.08E-01	4.9E-08
G-2-2	8.0	U	09/18/12	0	NS	NS	<10	<0.025	<0.025	<0.025	<0.025	0.064	0.046	0.029	0.115	NS			
G-2-3	12.0	U	09/18/12	20	NS	NS	<10	<0.025	<0.025	<0.025	0.065	<0.025	0.128	0.077	0.0304-0.0804	NS			
G-2-4	16.0	S	09/18/12	700	NS	NS	1420	**2.38**	**6.5**	<0.250	**15.6**	0.550	**113**	**53**	**49**	NS			
G-2-5	18.0	S	09/18/12	10	NOT SAMPLED											NS			
G-3-1	3.5	U	09/18/12	0	1.29	NS	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0	3.23E-03	0
G-3-2	8.0	U	09/18/12	0	NS	NS	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-3-3	12.0	U	09/18/12	15	NS	NS	103	**0.092**	**3.9**	<0.025	**2.69**	0.390	**12.3**	**3.9**	**20.9**	NS			
G-3-4	16.0	S	09/18/12	300	1.58	NS	1730	<0.178	**29.1**	<0.240	**14.2**	**1.45**	**181**	**56**	**186**	NS			
G-3-5	18.0	S	09/18/12	180	NOT SAMPLED											NS			
G-4-1	3.5	U	09/18/12	0	24	NS	<10	**0.042**	0.050	<0.025	0.040	0.125	0.230	0.126	0.448	NS	0	6.39E-02	4.3E-08
G-4-2	8.0	U	09/18/12	0	NS	NS	<10	**0.0271**	<0.025	<0.025	0.0276	0.078	0.084	0.047	0.152	NS			
G-4-3	12.0	U	09/18/12	0	NS	NS	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-4-4	16.0	S	09/18/12	190	NS	NS	370	**0.550**	<0.250	<0.250	<0.250	<0.250	**2.36**	**2.54**	1.88	NS			
G-4-5	18.0	S	09/18/12	140	NOT SAMPLED											NS			
G-5-1	3.5	U	09/18/12	0	**60.2**	NS	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0	1.51E-01	0
G-5-2	8.0	U	09/18/12	0	NS	NS	<10	<0.025	0.071	<0.025	<0.025	0.034	0.0284	0.033	0.216	NS			
G-5-3	12.0	U	09/18/12	0	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-5-4	16.0	S	09/18/12	0	NS	NS	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-5-5	18.0	S	09/18/12	0	NOT SAMPLED											NS			
G-6-1	3.5	U	09/18/12	0	**55**	NS	<10	**0.045**	0.041	<0.025	<0.025	0.095	0.068	0.048	0.283	NS	0	1.39E-01	3.6E-08
G-6-2	8.0	U	09/18/12	0	NS	NS	<10	<0.025	<0.025	<0.025	<0.025	0.056	0.058	0.037	0.156	NS			
G-6-3	12.0	U	09/18/12	0	NS	NS	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-6-4	16.0	S	09/18/12	0	NS	NS	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-6-5	NR		09/18/12	NO RECOVERY – PUSHED ROCK												NS			
G-7-1	3.5	U	09/18/12	0	1.08	NS	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0	2.70E-03	0
G-7-2	8.0	U	09/18/12	0	NS	NS	<10	<0.025	<0.025	<0.025	<0.025	<0.025	0.034	<0.025	0.158	NS			
G-7-3	12.0	U	09/18/12	0	NS	NS	<10	<0.025	<0.025	<0.025	<0.025	0.038	0.0302	<0.025	<0.075	NS			
G-7-4	16.0	S	09/18/12	0	NS	NS	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-7-5	18.0	S	09/18/12	0	NOT SAMPLED											NS			
G-8-1	3.5	U	09/19/12	0	6.72	NS	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0	1.68E-02	0
G-8-2	8.0	U	09/19/12	0	NS	NS	24	**0.212**	0.530	<0.025	0.132	0.500	**2.44**	**1.39**	3.6	NS			
G-8-3	12.0	U	09/19/12	0	NS	NS	<10	<0.025	<0.025	<0.025	0.048	0.0311	0.145	0.062	0.151	NS			
G-8-4	16.0	S	09/19/12	0	NOT SAMPLED											NS			
G-8-5	17.0	S	09/19/12	30	NS	NS	12	**0.123**	<0.025	<0.025	<0.025	<0.025	0.036	0.063	<0.075	NS			
G-9-1	3.5	U	09/19/12	0	2.55	NS	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0	6.38E-03	0
G-9-2	8.0	U	09/19/12	0	NS	NS	<10	**0.066**	0.105	<0.025	<0.025	0.088	0.196	0.072	0.517	NS			
G-9-3	12.0	U	09/19/12	15	NS	NS	33	**0.226**	**1.9**	<0.025	0.267	0.640	**3.8**	**1.22**	**9**	NS			
G-9-4	16.0	S	09/19/12	350	NS	NS	1480	**2.77**	**31.2**	<0.250	**26**	**3.5**	**137**	**52**	**162**	NS			
G-9-5	18.0	S	09/19/12	70	NOT SAMPLED											NS			
G-9-6	NR		09/19/12	NO RECOVERY – PUSHED ROCK												NS			
G-10-1	3.5	U	09/19/12	0	22.6	NS	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0	5.65E-02	0
G-10-2	8.0	U	09/19/12	0	NS	NS	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-10-3	12.0	U	09/19/12	0	NS	NS	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-10-4	15.5	S	09/19/12	50	NS	NS	690	**40**	1.12	<0.250	**2.93**	0.640	**5.7**	**2.67**	**5.95**	NS			
G-10-5	18.0	S	09/19/12	10	NOT SAMPLED											NS			
MW-4-1	3.5	U	09/19/12	0	NOT SAMPLED											NS			
MW-4-2	8.0	U	09/19/12	0	NOT SAMPLED											NS			
MW-4-3	12.0	U	09/19/12	0	NOT SAMPLED											NS			
MW-4-4	16.0	S	09/19/12	0	NOT SAMPLED											NS			
MW-4-5	20.0	S	09/19/12	0	NOT SAMPLED											NS			
MW-5-1	3.5	U	09/19/12	0	NOT SAMPLED											NS			
MW-5-2	8.0	U	09/19/12	0	NOT SAMPLED											NS			
MW-5-3	12.0	U	09/19/12	0	NOT SAMPLED											NS			
MW-5-4	16.0	S	09/19/12	100	NOT SAMPLED											NS			
MW-5-5	16.5	S	09/19/12	220	NS	NS	253	**0.520**	0.600	<0.025	**1.03**	0.690	**12.4**	**6**	3.16	NS			
MW-6-1	3.5	U	09/19/12	0	NOT SAMPLED											NS			
MW-6-2	8.0	U	09/19/12	0	NOT SAMPLED											NS			
MW-6-3	12.0	U	09/19/12	0	NOT SAMPLED											NS			
MW-6-4	16.0	U	09/19/12	120	NOT SAMPLED											NS			
MW-6-5	17.0	S	09/19/12	250	NS	NS	1690	**6.7**	**52**	<0.250	**9.8**	**89**	**86**	**35**	**245**	NS			
MW-6-6	21.0	S	09/19/12	180	NOT SAMPLED											NS			
MW-7-1	3.5	U	09/25/13	0	NOT SAMPLED											NS			
MW-7-2	8	S	09/25/13	0	NOT SAMPLED											NS			
MW-7-3	8-12	S	09/25/13	NO RECOVERY												NS			
MW-7-4	12-16	S	09/25/13	NO RECOVERY												NS			
MW-8-1	3.5	U	09/25/13	0	NOT SAMPLED											NS			
MW-8-2	8	S	09/25/13	0	NOT SAMPLED											NS			
MW-8-3	12	S	09/25/13	50	NOT SAMPLED											NS			
MW-9-1	3.5		05/24/18	1.5	NOT SAMPLED											NS			
MW-9-2	8		05/24/18	1.8	NOT SAMPLED											NS			
MW-9-3	12		05/24/18	1.8	NOT SAMPLED											NS			
MW-10-1	3.5		05/24/18	1.2	NOT SAMPLED											NS			
MW-10-2	8		05/24/18	1.4	NOT SAMPLED											NS			
MW-10-3	12		05/24/18	1.7	NOT SAMPLED											NS			
MW-10-4	16		05/24/18	2.0	NOT SAMPLED											NS			
MW-10-5	20		05/24/18	1.1	NOT SAMPLED											NS			
MW-10-6	24		05/24/18	2.3	NOT SAMPLED											NS			
Groundwater RCL					**27**	-	-	**0.0051**	**1.57**	**0.027**	**0.6582**	**1.1072**	**1.3787**		**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)**	**(260)**	-		1.00E+00	1.00E-05
Soil Saturation Concentration (C-sat)*					-	-	-	**1820***	**480***	**8870***	-	**818***	**219***	**182***	**260***	-			

Bold = Groundwater RCL Exceedance
Bold & Underline = Non Industrial Direct Contact RCL Exceedance
(Bold & Parentheses) = Industrial Direct Contact RCL Exceedance
Bold & Asteric * = C-sat Exceedance
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
(VOC's)
Smith's Union 76 LUST Site BRRTS# 03-16-000069

Well Sampling Conducted on September 18, 2012

VOC's		Bold = Groundwater RCL	Underline & Bold = Non-Industrial Direct Contact RCL	(Parenthesis & Bold) = Industrial Direct Contact RCL	Asteric * & Bold =Soil Saturation (C-sat) RCL
Sample ID#	G-3-4				
Sample Depth/ft.	16				
Solids Percent	87.2	==	==	==	==
Lead/ppm	1.58 "J"	27	400	(800)	= =
GRO/ppm	1730	= =	= =	= =	= =
Benzene/ppm	< 0.178	0.0051	1.6	(7.07)	1820*
Bromobenzene/ppm	< 0.280	= =	342	(679)	= =
Bromodichloromethane/ppm	< 0.240	0.0003	0.418	(1.83)	= =
Bromoform/ppm	< 0.400	0.0023	25.4	(113)	= =
tert-Butylbenzene/ppm	< .1080	= =	183	(183)	183*
sec-Butylbenzene/ppm	2.240 "J"	= =	145	(145)	145*
n-Butylbenzene/ppm	12.1	= =	108	(108)	108*
Carbon Tetrachloride/ppm	< 0.240	0.0039	0.916	(4.03)	= =
Chlorobenzene/ppm	<0.188	= =	370	(761)	761*
Chloroethane/ppm	< 2.840	0.2266	= =	= =	= =
Chloroform/ppm	< 0.920	0.0033	0.454	(1.98)	= =
Chloromethane/ppm	< 4.140	0.0155	159	(669)	= =
2-Chlorotoluene/ppm	< 1.680	= =	907	(907)	907*
4-Chlorotoluene/ppm	< 1.520	= =	253	(253)	253*
1,2-Dibromo-3-chloropropane/ppm	< 1.540	0.0002	0.008	(0.092)	= =
Dibromochloromethane/ppm	< 0.190	0.032	8.28	(38.9)	= =
1,4-Dichlorobenzene/ppm	< 1.040	0.144	3.74	(16.4)	= =
1,3-Dichlorobenzene/ppm	< 1.060	1.1528	297	(297)	297*
1,2-Dichlorobenzene/ppm	< 1.020	1.168	376	(376)	376*
Dichlorodifluoromethane/ppm	< 0.240	3.0863	126	(530)	= =
1,2-Dichloroethane/ppm	< 0.260	0.0028	0.652	(2.87)	540*
1,1-Dichloroethane/ppm	< 0.220	0.4834	5.06	(22.2)	= =
1,1-Dichloroethene/ppm	< 0.440	0.005	320	(1190)	1190*
cis-1,2-Dichloroethene/ppm	< 0.280	0.0412	156	(2340)	= =
trans-1,2-Dichloroethene/ppm	< 0.440	0.0626	1560	(1850)	= =
1,2-Dichloropropane/ppm	< 0.220	0.0033	3.4	(15)	= =
2,2-Dichloropropane/ppm	< 0.660	= =	191	191	191*
1,3-Dichloropropane/ppm	< 0.220	= =	1490	(1490)	1490*
Di-isopropyl ether/ppm	< 0.940	= =	2260	(2260)	2260*
EDB (1,2-Dibromoethane)/ppm	< 0.340	0.0000282	0.05	(0.221)	= =
Ethylbenzene/ppm	29.1	1.57	8.02	(35.4)	480*
Hexachlorobutadiene/ppm	< 1.900	= =	1.63	(7.19)	= =
Isopropylbenzene/ppm	7.3	= =	= =	= =	= =
p-Isopropyltoluene/ppm	0.950 "J"	= =	162	(162)	162*
Methylene chloride/ppm	< 2.380	0.0026	61.8	(1150)	= =
Methyl tert-butyl ether (MTBE)/ppm	< 0.240	0.027	63.8	(282)	8870*
Naphthalene/ppm	14.2	0.6582	5.52	(24.1)	= =
n-Propylbenzene/ppm	35	= =	= =	= =	= =
1,1,2,2-Tetrachloroethane/ppm	< 0.400	0.0002	0.81	(3.6)	= =
1,1,1,2-Tetrachloroethane/ppm	< 0.820	0.0534	2.78	(12.3)	= =
Tetrachloroethene (PCE)/ppm	< 0.480	0.0045	33	(145)	= =
Toluene/ppm	1.450 "J"	1.1072	818	(818)	818*
1,2,4-Trichlorobenzene/ppm	< 1.480	0.408	24	(113)	= =
1,2,3-Trichlorobenzene/ppm	< 2.580	= =	62.6	(934)	= =
1,1,1-Trichloroethane/ppm	< 0.220	0.1402	640	(640)	640*
1,1,2-Trichloroethane/ppm	< 0.320	0.0032	1.59	(7.01)	= =
Trichloroethene (TCE)/ppm	< 0.340	0.0036	1.3	(8.41)	= =
Trichlorofluoromethane/ppm	< 0.860	4.4775	1230	(1230)	1230*
1,2,4-Trimethylbenzene/ppm	181	1.3787	219	(219)	219*
1,3,5-Trimethylbenzene/ppm	56		182	(182)	182*
Vinyl Chloride/ppm	< 0.320	0.0001	0.067	(2.08)	= =
m&p-Xylene/ppm	141	3.96	260	(260)	260*
o-Xylene/ppm	45				

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

A.3. Residual Soil Analytical Results Table
Smith's Union 76 LUST Site BRRTS# 03-16-000069

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 (ppm)	DIRECT CONTACT		
																	Exeedance Count	Hazard Index	Cumulative Cancer Risk
SB-2	17.0	S	10/22/90	unknown	<2.5	NS	NS	**0.014**	0.006	NS	NS	0.007	NS	NS	0.09	NS			
SB-3	19.0	S	10/22/90	unknown	<2.5	NS	NS	**20**	**16**	NS	NS	**27**	NS	NS	**90**	NS			
G-2-1	3.5	U	09/18/12	0	**41.8**	NS	<10	**0.051**	0.0278	<0.025	0.057	0.218	0.172	0.100	0.425	NS	0	1.08E-01	4.9E-08
G-2-4	16.0	S	09/18/12	700	NS	NS	1420	**2.38**	**6.5**	<0.250	**15.6**	0.550	**113**	**53**	**49**	NS			
G-3-3	12.0	U	09/18/12	15	NS	NS	103	**0.092**	**3.9**	<0.025	**2.69**	0.390	**12.3**	**3.9**	**20.9**	NS			
G-3-4	16.0	S	09/18/12	300	1.58	NS	1730	<0.178	**29.1**	<0.240	**14.2**	**1.45**	**181**	**56**	**186**	NS			
G-4-1	3.5	U	09/18/12	0	24	NS	<10	**0.042**	0.050	<0.025	0.040	0.125	0.230	0.126	0.448	NS	0	6.39E-02	4.3E-08
G-4-2	8.0	U	09/18/12	0	NS	NS	<10	**0.0271**	<0.025	<0.025	0.0276	0.078	0.084	0.047	0.152	NS			
G-4-4	16.0	S	09/18/12	190	NS	NS	370	**0.550**	<0.250	<0.250	<0.250	<0.250	**2.36**	**2.54**	1.88	NS			
G-5-1	3.5	U	09/18/12	0	**60.2**	NS	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0	1.51E-01	0
G-6-1	3.5	U	09/18/12	0	**55**	NS	<10	**0.045**	0.041	<0.025	<0.025	0.095	0.068	0.048	0.283	NS	0	1.39E-01	3.6E-08
G-8-2	8.0	U	09/19/12	0	NS	NS	24	**0.212**	0.530	<0.025	0.132	0.500	**2.44**	**1.39**	3.6	NS			
G-8-5	17.0	S	09/19/12	30	NS	NS	12	**0.123**	<0.025	<0.025	<0.025	<0.025	0.036	0.063	<0.075	NS			
G-9-2	8.0	U	09/19/12	0	NS	NS	<10	**0.066**	0.105	<0.025	<0.025	0.088	0.196	0.072	0.517	NS			
G-9-3	12.0	U	09/19/12	15	NS	NS	33	**0.226**	**1.9**	<0.025	0.267	0.640	**3.8**	**1.22**	**9**	NS			
G-9-4	16.0	S	09/19/12	350	NS	NS	1480	**2.77**	**31.2**	<0.250	**26**	**3.5**	**137**	**52**	**162**	NS			
G-10-4	15.5	S	09/19/12	50	NS	NS	690	**40**	1.12	<0.250	**2.93**	0.640	**5.7**	**2.67**	**5.95**	NS			
MW-5-5	16.5	S	09/19/12	220	NS	NS	253	**0.520**	0.600	<0.025	**1.03**	0.690	**12.4**	**6**	3.16	NS			
MW-6-5	17.0	S	09/19/12	250	NS	NS	1690	**6.7**	**52**	<0.250	**9.8**	**89**	**86**	**35**	**245**	NS			
Groundwater RCL					**27**	-	-	**0.0051**	**1.57**	**0.027**	**0.6582**	**1.1072**	**1.3787**		**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)**	**(260)**	-		1.00E+00	1.00E-05
Soil Saturation Concentration (C-sat)*					-	-	-	**1820***	**480***	**8870***	-	**818***	**219***	**182***	**260***	-			

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

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

A.3. Residual Soil Analytical Results Table
(VOC's)
Smith's Union 76 LUST Site BRRTS# 03-16-000069

Well Sampling Conducted on September 18, 2012

VOC's		Bold = Groundwater RCL	Underline & Bold = Non-Industrial Direct Contact RCL	(Parenthesis & Bold) = Industrial Direct Contact RCL	Asteric * & Bold =Soil Saturation (C-sat) RCL
Sample ID#	G-3-4				
Sample Depth/ft.	16				
Solids Percent	87.2	==	==	==	==
Lead/ppm	1.58 "J"	27	400	(800)	= =
GRO/ppm	1730	= =	= =	= =	= =
Benzene/ppm	< 0.178	0.0051	1.6	(7.07)	1820*
Bromobenzene/ppm	< 0.280	= =	342	(679)	= =
Bromodichloromethane/ppm	< 0.240	0.0003	0.418	(1.83)	= =
Bromoform/ppm	< 0.400	0.0023	25.4	(113)	= =
tert-Butylbenzene/ppm	< .1080	= =	183	(183)	183*
sec-Butylbenzene/ppm	2.240 "J"	= =	145	(145)	145*
n-Butylbenzene/ppm	12.1	= =	108	(108)	108*
Carbon Tetrachloride/ppm	< 0.240	0.0039	0.916	(4.03)	= =
Chlorobenzene/ppm	<0.188	= =	370	(761)	761*
Chloroethane/ppm	< 2.840	0.2266	= =	= =	= =
Chloroform/ppm	< 0.920	0.0033	0.454	(1.98)	= =
Chloromethane/ppm	< 4.140	0.0155	159	(669)	= =
2-Chlorotoluene/ppm	< 1.680	= =	907	(907)	907*
4-Chlorotoluene/ppm	< 1.520	= =	253	(253)	253*
1,2-Dibromo-3-chloropropane/ppm	< 1.540	0.0002	0.008	(0.092)	= =
Dibromochloromethane/ppm	< 0.190	0.032	8.28	(38.9)	= =
1,4-Dichlorobenzene/ppm	< 1.040	0.144	3.74	(16.4)	= =
1,3-Dichlorobenzene/ppm	< 1.060	1.1528	297	(297)	297*
1,2-Dichlorobenzene/ppm	< 1.020	1.168	376	(376)	376*
Dichlorodifluoromethane/ppm	< 0.240	3.0863	126	(530)	= =
1,2-Dichloroethane/ppm	< 0.260	0.0028	0.652	(2.87)	540*
1,1-Dichloroethane/ppm	< 0.220	0.4834	5.06	(22.2)	= =
1,1-Dichloroethene/ppm	< 0.440	0.005	320	(1190)	1190*
cis-1,2-Dichloroethene/ppm	< 0.280	0.0412	156	(2340)	= =
trans-1,2-Dichloroethene/ppm	< 0.440	0.0626	1560	(1850)	= =
1,2-Dichloropropane/ppm	< 0.220	0.0033	3.4	(15)	= =
2,2-Dichloropropane/ppm	< 0.660	= =	191	191	191*
1,3-Dichloropropane/ppm	< 0.220	= =	1490	(1490)	1490*
Di-isopropyl ether/ppm	< 0.940	= =	2260	(2260)	2260*
EDB (1,2-Dibromoethane)/ppm	< 0.340	0.0000282	0.05	(0.221)	= =
Ethylbenzene/ppm	29.1	1.57	8.02	(35.4)	480*
Hexachlorobutadiene/ppm	< 1.900	= =	1.63	(7.19)	= =
Isopropylbenzene/ppm	7.3	= =	= =	= =	= =
p-Isopropyltoluene/ppm	0.950 "J"	= =	162	(162)	162*
Methylene chloride/ppm	< 2.380	0.0026	61.8	(1150)	= =
Methyl tert-butyl ether (MTBE)/ppm	< 0.240	0.027	63.8	(282)	8870*
Naphthalene/ppm	14.2	0.6582	5.52	(24.1)	= =
n-Propylbenzene/ppm	35	= =	= =	= =	= =
1,1,2,2-Tetrachloroethane/ppm	< 0.400	0.0002	0.81	(3.6)	= =
1,1,1,2-Tetrachloroethane/ppm	< 0.820	0.0534	2.78	(12.3)	= =
Tetrachloroethene (PCE)/ppm	< 0.480	0.0045	33	(145)	= =
Toluene/ppm	1.450 "J"	1.1072	818	(818)	818*
1,2,4-Trichlorobenzene/ppm	< 1.480	0.408	24	(113)	= =
1,2,3-Trichlorobenzene/ppm	< 2.580	= =	62.6	(934)	= =
1,1,1-Trichloroethane/ppm	< 0.220	0.1402	640	(640)	640*
1,1,2-Trichloroethane/ppm	< 0.320	0.0032	1.59	(7.01)	= =
Trichloroethene (TCE)/ppm	< 0.340	0.0036	1.3	(8.41)	= =
Trichlorofluoromethane/ppm	< 0.860	4.4775	1230	(1230)	1230*
1,2,4-Trimethylbenzene/ppm	181	1.3787	219	(219)	219*
1,3,5-Trimethylbenzene/ppm	56		182	(182)	182*
Vinyl Chloride/ppm	< 0.320	0.0001	0.067	(2.08)	= =
m&p-Xylene/ppm	141	3.96	260	(260)	260*
o-Xylene/ppm	45				

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

A.4 Vapor Analytical Table
Sub-Slab Sampling Data Table for Smith's Union 76
BY METCO

Sub-Slab Sampling conducted Conducted on:	6/4/2018	6/4/2018	6/4/2018	3/21/2019	3/21/2019	WDNR Small Commercial Sub-Slab Vapor Action Levels for Various VOCs Quick Look-Up Table Updated November, 2017	
Sample ID	**SS-01**	**SS-02**	**SS-03**	**SS-01**	**SS-03**	**(ug/m^3)**	
Benzene – ug/m^3	1.0	2.8	2.2	0.86	1.6	530	c
Carbon Tetrachloride – ug/m^3	<0.89	<0.92	<0.95	NS	NS	670	c
Chloroform – ug/m^3	<0.69	<0.71	<0.74	NS	NS	180	c
Chloromethane – ug/m^3	<0.58	1.7	<0.63	NS	NS	13000	n
Dichlorodifluoromethane – ug/m^3	10.1	<2.5	<2.6	NS	NS	15000	n
1,1-Dichloroethane (1,1-DCA) – ug/m^3	<1.1	<1.2	<1.2	NS	NS	2600	c
1,2-Dichloroethane (1,2-DCA) - ug/m^3	<0.57	<0.59	<0.61	NS	NS	160	c
1,1-Dichloroethylene (1,1-DCE) – ug/m^3	<1.1	<1.2	<1.2	NS	NS	29000	n
1,2-Dichloroethylene (cis and trans) - ug/m^3	<2.2	1.2-2.4	<2.4	NS	NS	NA	-
Ethylbenzene – ug/m^3	1.3	<1.3	<1.3	<1.2	<1.2	1600	c
Methylene chloride – ug/m^3	28.9	<5.1	<5.3	NS	NS	87000	n
Methyl Tert-Butyl Ether (MTBE) – ug/m^3	<5.1	<5.3	<5.5	<5.2	<5.1	16000	c
Naphthalene – ug/m^3	6.5	<3.8	8.3	<3.8	<3.7	120	c
Tetrachloroethylene -ug/m^3	7.2	40.3	6.6	NS	NS	6000	n
Toluene – ug/m^3	2.1	2.6	2.1	1.2	2.6	730000	n
1,1,1-Trichloroethane – ug/m^3	<1.5	<1.6	<1.7	NS	NS	730000	n
Trichloroethylene – ug/m^3	<0.76	0.84	<0.81	NS	NS	290	n
Trichlorofluoromethane (Halcarbon 11) – ug/m^3	<1.6	<1.6	<1.7	NS	NS	NA	-
Trimethylbenzene (1,2,4) – ug/m^3	2.8	<1.4	<1.5	NS	NS	8700	n
Trimethlybenzene (1,3,5) – ug/m^3	<1.4	<1.4	<1.5	NS	NS	8700	n
Vinyl chloride – ug/m^3	<0.36	<0.37	<0.39	NS	NS	930	c
Xylene (total) -ug/m^3	8.6	<3.8	<3.9	3.2-4.4	<3.7	15000	n

ug/m^3 = Micrograms per cubic meter.
< = Less than the reporting limit indicated in parentheses.
Bold = Sub-Slab Standard Exceedance
c = Carcinogen
n = Non Carcinogen
J = between Limit of Detection (LOD) and Limit of Quantitaion (LOQ)
*** Please note that other VOCs were detected that are not on the WDNR Sub-Slab Vapor Action Levels Quick Look-Up Table.**
B = Compound was found in th blank and sample
E = Result exceeded calibration range

A.4 Vapor Analytical Table
Sub-Slab Sampling Data Table for Smith's Union 76
BY METCO

Sub-Slab Sampling conducted Conducted on:	6/4/2018	3/21/2019	WDNR Residential Sub-Slab Vapor Action Levels for Various VOCs Quick Look-Up Table Updated November, 2017	
Sample ID	**SS-04 (Daycare)**	**SS-04 (Daycare)**	**(ug/m^3)**	
Benzene – ug/m^3	0.74	<0.48	120	c
Carbon Tetrachloride – ug/m^3	<0.97	NS	160	c
Chloroform – ug/m^3	<0.75	NS	40	c
Chloromethane – ug/m^3	<0.64	NS	3100	n
Dichlorodifluoromethane – ug/m^3	4.5	NS	3300	n
1,1-Dichloroethane (1,1-DCA) – ug/m^3	<1.3	NS	600	c
1,2-Dichloroethane (1,2-DCA) - ug/m^3	<0.62	NS	37	c
1,1-Dichloroethylene (1,1-DCE) – ug/m^3	<1.2	NS	7000	n
1,2-Dichloroethylene (cis and trans) - ug/m^3	<2.4	NS	NA	-
Ethylbenzene – ug/m^3	<1.3	<1.3	370	c
Methylene chloride – ug/m^3	<5.4	NS	21000	n
Methyl Tert-Butyl Ether (MTBE) – ug/m^3	<5.6	<5.5	3700	c
Naphthalene – ug/m^3	<4.0	<4.0	28	c
Tetrachloroethylene -ug/m^3	1.9	NS	1400	n
Toluene – ug/m^3	<1.2	<1.1	170000	n
1,1,1-Trichloroethane – ug/m^3	20.6	NS	170000	n
Trichloroethylene – ug/m^3	<0.83	NS	70	n
Trichlorofluoromethane (Halcarbon 11) – ug/m^3	<1.7	NS	NA	-
Trimethylbenzene (1,2,4) – ug/m^3	<1.5	<1.5	2100	n
Trimethlybenzene (1,3,5) – ug/m^3	<1.5	<1.5	2100	n
Vinyl chloride – ug/m^3	<0.40	NS	57	c
Xylene (total) -ug/m^3	<4.0	<3.9	3300	n

ug/m^3 = Micrograms per cubic meter.
< = Less than the reporting limit indicated in parentheses.
Bold = Sub-Slab Standard Exceedance
c = Carcinogen
n = Non Carcinogen
J = between Limit of Detection (LOD) and Limit of Quantitaion (LOQ)
*** Please note that other VOCs were detected that are not on the WDNR Sub-Slab Vapor Action Levels Quick Look-Up Table.**
B = Compound was found in th blank and sample
E = Result exceeded calibration range
- = Inhalation toxicity values are not available from U.S. EPA

A.6 Water Level Elevations
Smith's Union 76 LUST Site BRRTS# 03-16-000069
Solon Springs, Wisconsin

	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9	MW-10
Ground Surface (feet msl)	1076.54	1076.64	1076.87	1075.52	1074.94	1077.21	1069.91	1064.88	NI	NI
6-22-18 Re-survey Ground Surface	1076.52	1076.61	1076.89	1075.61	1074.95	1077.22	1069.65	1065.04	1060.93	1070.55
PVC top (feet msl)	1076.09	1076.01	1076.55	1075.13	1074.47	1076.78	1069.57	1064.48	NI	NI
6-22-18 Resurveyd PVC top	1076.09	1076.01	1076.56	1075.11	1074.48	1076.78	1069.14	1064.48	1060.38	1069.94
Well Depth (feet)	20.00	20.00	21.00	20.00	20.00	20.00	14.50	14.50	13	30
Top of screen (feet msl)	1066.52	1066.61	1065.89	1065.61	1064.95	1067.22	1065.15	1060.54	1057.93	1050.55
Bottom of screen (feet msl)	1056.52	1056.61	1055.89	1055.61	1054.95	1057.22	1055.15	1050.54	1047.93	1040.55
Depth to Water From Top of PVC (feet)										
10/2/2012	14.62	14.64	13.63	13.54	13.12	15.75	NI	NI	NI	NI
11/7/2013	14.65	14.65	13.68	13.54	13.12	15.85	9.80	5.58	NI	NI
2/19/2014	USP	14.99	14.10	CNL	13.80	16.14	10.05	W	NI	NI
5/21/2014	13.65	13.70	12.69	12.57	11.99	14.65	8.79	4.67	NI	NI
6/11/2015	13.78	13.92	13.04	12.89	12.35	15.31	9.34	5.42	NI	NI
9/14/2015	14.09	14.10	13.20	12.88	12.55	15.43	9.41	7.36	NI	NI
12/10/2015	14.51	14.56	13.51	13.47	13.16	15.80	9.75	5.61	NI	NI
3/9/2016	14.44	14.46	13.50	13.52	13.20	15.55	9.59	5.48	NI	NI
6/20/2018	12.91	12.96	12.09	11.11	10.65	14.35	7.90	4.19	0.40	20.18
9/4/2018	14.06	14.09	13.04	12.92	12.40	14.35	8.97	Filled In	1.44	18.97
3/21/2019	14.49	14.53	13.54	CNL	13.01	15.52	Destroyed	9.21	CNL	19.61
Depth to Water From Ground Surface (feet)										
10/2/2012	15.07	15.27	13.95	13.93	13.59	16.18	NI	NI	NI	NI
11/7/2013	15.10	15.28	14.00	13.93	13.59	16.28	10.14	5.98	NI	NI
2/19/2014	USP	15.62	14.42	CNL	14.27	16.57	10.39	W	NI	NI
5/21/2014	14.10	14.33	13.01	12.96	12.46	15.08	9.13	5.07	NI	NI
6/11/2015	14.23	14.55	13.36	13.28	12.82	15.74	9.68	5.82	NI	NI
9/14/2015	14.54	14.73	13.52	13.27	13.02	15.86	9.75	7.76	NI	NI
12/10/2015	14.96	15.19	13.83	13.86	13.63	16.23	10.09	6.01	NI	NI
3/9/2016	14.89	15.09	13.82	13.91	13.67	15.98	9.93	5.88	NI	NI
6/20/2018	13.34	13.56	12.42	11.61	11.12	14.79	8.41	4.75	0.95	20.79
9/4/2018	14.49	14.69	13.37	13.42	12.87	14.79	9.48	Filled In	1.99	19.58
3/21/2019	14.92	15.13	13.87	CNL	13.48	15.96	Destroyed	9.77	CNL	20.22
Groundwater Elevation (feet msl)										
10/2/2012	1061.47	1061.37	1062.92	1061.59	1061.35	1061.03	NI	NI	NI	NI
11/7/2013	1061.44	1061.36	1062.87	1061.59	1061.35	1060.93	1059.77	1058.90	NI	NI
2/19/2014	USP	1061.02	1062.45	CNL	1060.67	1060.64	1059.52	W	NI	NI
5/21/2014	1062.44	1062.31	1063.86	1062.56	1062.48	1062.13	1060.78	1059.81	NI	NI
6/11/2015	1062.31	1062.09	1063.51	1062.24	1062.12	1061.47	1060.23	1059.06	NI	NI
9/14/2015	1062.00	1061.91	1063.35	1062.25	1061.92	1061.35	1060.16	1057.12	NI	NI
12/10/2015	1061.58	1061.45	1063.04	1061.66	1061.31	1060.98	1059.82	1058.87	NI	NI
3/9/2016	1061.65	1061.55	1063.05	1061.61	1061.27	1061.23	1059.98	1059.00	NI	NI
6/20/2018	1063.18	1063.05	1064.47	1064.00	1063.83	1062.43	1061.24	1060.29	1059.98	1049.76
9/4/2018	1062.03	1061.92	1063.52	1062.19	1062.08	1062.43	1060.17	Filled In	1058.94	1050.97
3/21/2019	1061.60	1061.48	1063.02	CNL	1061.47	1061.26	Destroyed	1055.27	CNL	1050.33

Note: Elevations are presented in feet mean sea level (msl).
NI = Not Installed
USP = Under Snow Pile
CNL = Could Not Locate
W = Water Over Well

A.7 Slug Test Calculations
Smith's Union 76 Station

MW-1

	ft/s	cm/s	m/yr
K	2.17E-04	6.61E-03	2085.84
	sq ft/s	**sq cm/s**	
T	1.38E-03	1.28E+00	

MW-3

	ft/s	cm/s	m/yr
K	2.03E-05	6.19E-04	195.13
	sq ft/s	**sq cm/s**	
T	1.49E-04	1.38E-01	

MW-5

	ft/s	cm/s	m/yr
K	5.77E-06	1.76E-04	55.46
	sq ft/s	**sq cm/s**	
T	3.98E-05	3.70E-02	

Date	Elv. (High)	Elv. (Low)	Distance (ft)	Hyd Grad (I)
10/2/2012	1062.75	1061.25	92	0.0163043
11/7/2013	1062.50	1059.00	242	0.0144628
2/19/2014	1062.00	1060.00	179	0.0111732
5/21/2014	1063.50	1060.00	246	0.0142276
6/11/2015	1063.00	1060.00	196	0.0153061
9/14/2015	1063.00	1058.00	216	0.0231481
12/10/2015	1063.00	1059.00	251	0.0159363
3/9/2016	1063.00	1059.00	261	0.0153257
6/20/2018	1064.00	1060.00	192	0.0208333
9/4/2018	1063.00	1051.00	576	0.0208333
3/21/2019	1062.00	1056.00	221	0.0271493
Average				0.0177000

	K (m/yr)	I	n	Flow Velocity (m/yr)
MW-1	2085.84	0.0177000	0.3	123.06456
MW-3	195.13	0.0177000	0.3	11.51267
MW-5	55.46	0.0177000	0.3	3.27214

A.7 Other
Groundwater NA Indicator Results
Smith's Union 76 LUST Site BRRTS# 03-16-000069

Well MW-1

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppb)	Man-ganese (ppb)
10/02/12	0.36	6.81	57	14.3	189.00	0.39	8.12	**1970**	*75.3*
11/07/13	2.00	6.45	63	11.1	145.10	<0.1	6.92	*0.16*	27.8
02/19/14	COULD NOT LOCATE – UNDER SNOW PILE					NS	NS	NS	NS
05/21/14	0.80	6.08	105	5.5	590.00	NS	NS	NS	NS
06/11/15	3.50	6.98	122	12.2	305.40	NS	NS	NS	NS
09/14/15	1.37	6.76	-21	14.7	259.00	NS	NS	NS	NS
12/10/15	2.06	6.54	176	11.1	223.00	NS	NS	NS	NS
03/09/16	2.98	6.07	199	8.6	360.00	NS	NS	NS	NS
06/20/18	3.83	7.27	12.1	8.77	486.00	NS	NS	NS	NS
09/04/18	3.00	5.95	-7.0	14.56	241.00	NS	NS	NS	NS
03/21/19	3.52	7.81	-78.3	6.61	220.00	NS	NS	NS	NS
ENFORCE MENT STANDARD = **ES – Bold**						10	250	0.3	300
PREVENTIVE ACTION LIMIT = *PAL - Italics*						2	125	0.15	60

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

Well MW-2

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppb)	Man-ganese (ppb)
10/02/12	0.08	6.76	52	14.4	205.80	0.39	6.37	**2290**	*106*
11/07/13	0.78	6.36	29	10.7	165.60	0.3	5.60	*2.32*	*68.4*
02/19/14	0.26	6.11	111	8.7	145.60	NS	NS	NS	NS
05/21/14	0.03	6.91	28	8.0	710.00	NS	NS	NS	NS
06/11/15	1.94	7.00	108	10.1	356.50	NS	NS	NS	NS
09/14/15	0.89	6.88	-79	15.9	299.00	NS	NS	NS	NS
12/10/15	5.02	6.35	275	7.2	754.00	NS	NS	NS	NS
03/09/16	2.08	6.79	14	8.9	1247.00	NS	NS	NS	NS
06/20/18	3.28	7.68	-51.1	8.55	455.00	NS	NS	NS	NS
09/04/18	2.96	5.75	-75.3	14.21	297.00	NS	NS	NS	NS
03/21/19	3.26	7.01	-162.3	6.91	194.00	NS	NS	NS	NS
ENFORCE MENT STANDARD = **ES – Bold**						10	250	0.3	300
PREVENTIVE ACTION LIMIT = *PAL - Italics*						2	125	0.15	60

(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.7 Other
Groundwater NA Indicator Results
Smith's Union 76 LUST Site BRRTS# 03-16-000069

Well MW-3

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppb)	Man-ganese (ppb)
10/02/12	1.33	5.93	243	10.9	202.40	0.73	12	<60	23.2
11/07/13	6.12	6.93	136	10.7	1524.00	0.3	6.82	0.06	24.5
02/19/14	5.95	5.82	351	7.5	157.30	NS	NS	NS	NS
05/21/14	7.53	5.67	354	5.9	142.60	NS	NS	NS	NS
06/11/15	5.88	7.56	259	10.4	271.70	NS	NS	NS	NS
09/14/15	6.27	6.56	289	13.4	247.00	NS	NS	NS	NS
12/10/15	7.69	6.47	221	9.6	185.00	NS	NS	NS	NS
03/09/16	3.44	5.58	233	8.7	183.00	NS	NS	NS	NS
06/20/18	3.70	9.18	96.5	8.70	161.00	NS	NS	NS	NS
09/04/18	3.31	6.59	47.8	12.14	231.00	NS	NS	NS	NS
03/21/19	3.47	8.12	-93.1	6.89	228.00	NS	NS	NS	NS
ENFORCE MENT STANDARD = **ES – Bold**						10	250	0.3	300
PREVENTIVE ACTION LIMIT = *PAL - Italics*						2	125	0.15	60

(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-4

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppb)	Man-ganese (ppb)
10/02/12	0.40	6.51	229	14.0	203.40	0.16	6.72	**80**	*78.7*
11/07/13	0.24	6.27	192	13.1	316.60	0.5	7.62	*0.16*	*194*
02/19/14	COULD NOT LOCATE					NS	NS	NS	NS
05/21/14	0.06	5.73	150	4.5	522.00	NS	NS	NS	NS
06/11/15	1.30	6.85	240	8.4	391.20	NS	NS	NS	NS
09/14/15	1.55	6.96	-27	14.6	353.00	NS	NS	NS	NS
12/10/15	2.95	6.15	228	12.7	248.00	NS	NS	NS	NS
03/09/16	3.68	6.27	269	8.8	510.00	NS	NS	NS	NS
06/20/18	3.33	7.24	95.2	14.15	7.00	NS	NS	NS	NS
09/04/18	2.89	5.89	1.0	15.39	335.00	NS	NS	NS	NS
03/21/19	COULD NOT LOCATE					NS	NS	NS	NS
ENFORCE MENT STANDARD = **ES – Bold**						10	250	0.3	300
PREVENTIVE ACTION LIMIT = *PAL - Italics*						2	125	0.15	60

(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.7 Other
Groundwater NA Indicator Results
Smith's Union 76 LUST Site BRRTS# 03-16-000069

Well MW-5

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppb)	Man-ganese (ppb)
10/02/12	0.18	7.08	-16	14.9	461.50	0.38	7.24	**6660**	**414**
11/07/13	1.00	6.52	-48	12.3	332.20	<0.1	4.62	***6.23***	*287*
02/19/14	0.28	6.4	56	8.1	533.00	NS	NS	NS	NS
05/21/14	0.92	6.51	61	7.9	3295.00	NS	NS	NS	NS
06/11/15	2.22	7.24	-88	11.2	522.00	NS	NS	NS	NS
09/14/15	1.31	6.99	-85	16.9	604.00	NS	NS	NS	NS
12/10/15	2.19	6.54	-13	11.9	677.00	NS	NS	NS	NS
03/09/16	2.36	6.78	86	9.0	1258.00	NS	NS	NS	NS
06/20/18	3.07	6.88	70.1	11.43	838.00	NS	NS	NS	NS
09/04/18	2.90	6.19	-27.4	16.16	963.00	NS	NS	NS	NS
03/21/19	3.35	7.75	-206.6	7.64	1198.00	NS	NS	NS	NS
ENFORCE MENT STANDARD = **ES – Bold**						10	250	0.3	300
PREVENTIVE ACTION LIMIT = *PAL - Italics*						2	125	0.15	60

(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-6

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppb)	Man-ganese (ppb)
10/02/12	0.10	6.99	-32	14.0	1703.00	0.29	4.44	**32500**	***1760***
11/07/13	0.95	6.52	-45	11.0	2278.00	<0.1	<3.4	**39.6**	***4230***
02/19/14	0.97	6.26	-46	8.6	320.50	NS	NS	NS	NS
05/21/14	0.99	6.96	-80	9.4	1638.00	NS	NS	NS	NS
06/11/15	1.76	8.7	-71	11.4	150.60	NS	NS	NS	NS
09/14/15	0.88	7.42	-44	15.0	1706.00	NS	NS	NS	NS
12/10/15	1.99	6.67	-14	10.9	788.00	NS	NS	NS	NS
03/09/16	1.77	7.23	-54	9.1	1267.00	NS	NS	NS	NS
06/20/18	3.25	6.85	-159.6	8.68	1788.00	NS	NS	NS	NS
09/04/18	2.93	6.45	-94.6	14.65	1490.00	NS	NS	NS	NS
03/21/19	3.42	7.64	-154.1	7.61	689.00	NS	NS	NS	NS
ENFORCE MENT STANDARD = **ES – Bold**						10	250	0.3	300
PREVENTIVE ACTION LIMIT = *PAL - Italics*						2	125	0.15	60

(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.7 Other
Groundwater NA Indicator Results
Smith's Union 76 LUST Site BRRTS# 03-16-000069

Well MW-7

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppb)	Man-ganese (ppb)
11/07/13	1.46	6.38	35	10.8	753.00	0.4	<3.4	**14.3**	**1110**
02/19/14	8.62	7.12	60	2.8	4536.00	NS	NS	NS	NS
05/21/14	6.98	6.44	140	5.9	312.90	NS	NS	NS	NS
06/11/15	3.92	10.22	65	14.1	542.00	NS	NS	NS	NS
09/14/15	1.72	6.6	250	16.2	330.00	NS	NS	NS	NS
12/10/15	2.54	6.68	87	9.3	385.00	NS	NS	NS	NS
03/09/16	2.77	6.43	136	8.9	712.00	NS	NS	NS	NS
06/20/18	3.39	7.37	120.7	13.13	427.00	NS	NS	NS	NS
09/04/18	3.00	5.94	50.7	16.11	400.00	NS	NS	NS	NS
03/21/19	DESTROYED					NS	NS	NS	NS
ENFORCE MENT STANDARD = **ES – Bold**						10	250	0.3	300
PREVENTIVE ACTION LIMIT = *PAL - Italics*						2	125	0.15	60

(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-8

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppb)	Man-ganese (ppb)
11/07/13	1.23	6.17	129	10.2	256.70	<0.1	10.6	**0.35**	*104*
02/19/14	COULD NOT ACCESS – WATER RUNNING OVER WELL					NS	NS	NS	NS
05/21/14	3.22	6.56	251	8.7	250.00	NS	NS	NS	NS
06/11/15	3.92	10.22	65	14.1	542.00	NS	NS	NS	NS
09/14/15	2.56	6.63	255	16.3	260.00	NS	NS	NS	NS
12/10/15	2.67	6.27	196	8.4	238.00	NS	NS	NS	NS
03/09/16	3.19	6.54	211	8.6	1015.00	NS	NS	NS	NS
06/20/18	3.19	7.95	77.0	15.66	171.00	NS	NS	NS	NS
09/04/18	ROAD GRADER FILLED IN TO 1.5'					NS	NS	NS	NS
03/21/19	3.49	7.55	-90.7	6.55	385.00	NS	NS	NS	NS
ENFORCE MENT STANDARD = **ES – Bold**						10	250	0.3	300
PREVENTIVE ACTION LIMIT = *PAL - Italics*						2	125	0.15	60

(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.7 Other
Groundwater NA Indicator Results
Smith's Union 76 LUST Site BRRTS# 03-16-000069

Well MW-9

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppb)	Man-ganese (ppb)
06/20/18	3.64	7.62	36.2	11.16	61.00	NS	NS	NS	NS
09/04/18	2.87	5.41	14.8	16.73	106.00	NS	NS	NS	NS
03/21/19	COULD NOT LOCATE					NS	NS	NS	NS
ENFORCE MENT STANDARD = **ES – Bold**						10	250	0.3	300
PREVENTIVE ACTION LIMIT = *PAL - Italics*						2	125	0.15	60

(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-10

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppb)	Man-ganese (ppb)
06/20/18	3.77	8.68	100.7	7.63	203.00	NS	NS	NS	NS
09/04/18	3.21	6.23	66.8	12.11	244.00	NS	NS	NS	NS
03/21/19	3.32	7.21	-82.8	8.22	267.00	NS	NS	NS	NS
ENFORCE MENT STANDARD = **ES – Bold**						10	250	0.3	300
PREVENTIVE ACTION LIMIT = *PAL - Italics*						2	125	0.15	60

(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.7. Summary of Free Product Levels and Recovery
Smith's Union 76 LUST Site BRRTS# 03-16-000069

DATE		MW-6	GALS REC./PERIOD	TOTAL GALS RECOVERED
10/2/2012	Inches of FP Gals Rec. w/ Absorbent Sock Gals Rec. w/ Bailer	0 No Sock 0	0.00	0
11/7/2013	Inches of FP Gals Rec. w/ Absorbent Sock Gals Rec. w/ Bailer	0 No Sock 0	0.00	0
2/19/2014	Inches of FP Gals Rec. w/ Absorbent Sock Gals Rec. w/ Bailer	0 No Sock 0	0.00	0
5/21/2014	Inches of FP Gals Rec. w/ Absorbent Sock Gals Rec. w/ Bailer	2 No Sock 0.09	0.09	0.09
6/11/2015	Inches of FP Gals Rec. w/ Absorbent Sock Gals Rec. w/ Bailer	1.32 No Sock 0.0431	0.04	0.13
9/14/2015	Inches of FP Gals Rec. w/ Absorbent Sock Gals Rec. w/ Bailer	2.4 No Sock 0.0528	0.05	0.18
12/10/2015	Inches of FP Gals Rec. w/ Absorbent Sock Gals Rec. w/ Bailer	0 No Sock 0	0.00	0.18
3/9/2016	Inches of FP Gals Rec. w/ Absorbent Sock Gals Rec. w/ Bailer	0 No Sock 0	0.00	0.18
6/20/2018	Inches of FP Gals Rec. w/ Absorbent Sock Gals Rec. w/ Bailer	3 No Sock 0.02	0.02	0.2
9/4/2018	Inches of FP Gals Rec. w/ Absorbent Sock Gals Rec. w/ Bailer	0 No Sock 0	0.00	0.2
3/21/2019	Inches of FP Gals Rec. w/ Absorbent Sock Gals Rec. w/ Bailer	0 No Sock 0	0.00	0.2
2/19/2020	Inches of FP Gals Rec. w/ Absorbent Sock Gals Rec. w/ Bailer	0 No Sock 0	0.00	0.2

Attachment B/Maps and Figures

B.1 Location Maps

B.1.a Location Map

B.1.b Detailed Site Maps

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.1 Geologic Cross-Section Map

B.3.a.2 Geologic Cross-Section Map (close up)

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

B.3.b Groundwater Isoconcentration

B.3.c Groundwater Flow Direction

B.3.d Monitoring Wells

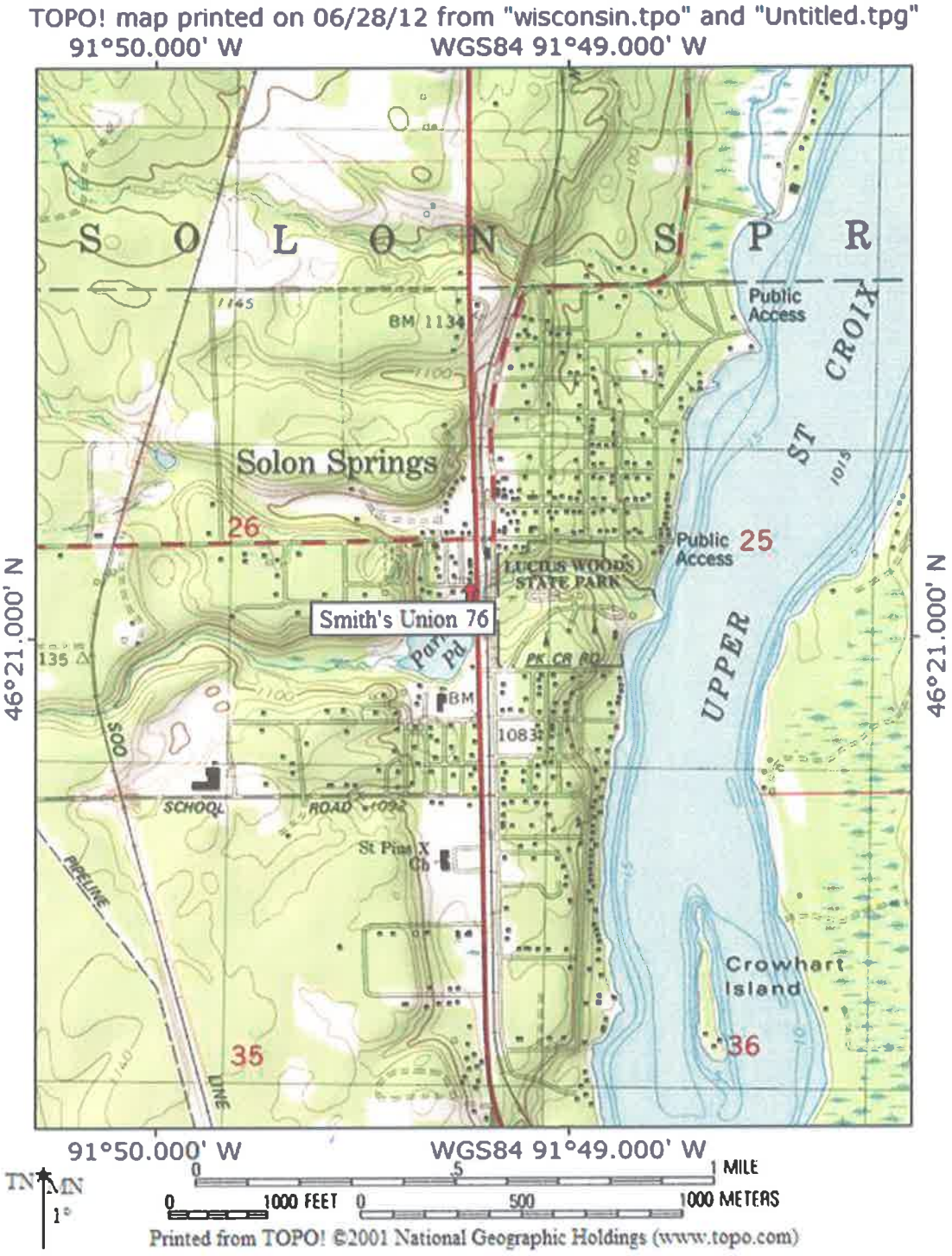
B.4 Vapor Maps and Other Media

B.4.a Vapor Intrusion Map

B.4.b Other media of concern - No surface waters or sediments were assessed as part of the site investigation.

B.4.c Other – Not applicable.

B.5 Structural Impediment Photos – There were no structural impediments to the completion of the investigation.



B.1.a LOCATION MAP
CONTOUR INTERVAL 10 FEET
SMITH'S UNION 76 – SOLON SPRINGS, WI
SEAMLESS USGS TOPOGRAPHIC MAPS ON CD-ROM

B.I.b. DETAILED SITE MAP

SMITH'S UNION 76 STATION

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

SOLON SPRINGS,
WISCONSIN

DRAWN BY: ED DATE: 08/27/2012
UPDATED BY: BK DATE: 8/08/2013

- ⊕ - MONITORING WELL LOCATION
- ⊘ - MONITORING WELL LOCATION (MISSING/DESTROYED)
- ⊕ - MONITORING WELL LOCATION (OPEN SOLON SPRINGS INVESTIGATION LUST SITE)
- ⊛ - POTABLE WELL LOCATION

- OVERHEAD LINES
- BURIED ELECTRIC
- TELEPHONE LINE
- NATURAL GAS
- SANITARY SEWER
- PROPERTY LINE

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

SCALE: 1 INCH = 50 FEET
0 50

PRIVATE PROPERTY
PRIVATE PROPERTY
CN-MW-9
CN-MW-10
CN-MW-8
CN-PZ-1
CN-MW-7
CN-MW-6
ATV/SNOWMOBILE TRAIL
ATV/SNOWMOBILE TRAIL
MW-10
WALKING TRAIL
ASPHALT
WALKING TRAIL
ASPHALT
CREEK
CREEK
CREEK
CREEK
CLEARING
CONCRETE
NORTH COUNTRY HIKING TRAIL
UPPER ST. CROIX LAKE
S BUSINESS HIGHWAY 53 (MAIN STREET)
CANADIAN NATIONAL RAILWAY
RAILROAD STREET
HUGHES AVENUE
MW-1 (G-5)
MW-2
MW-3
MW-4
MW-5
MW-6
MW-7
MW-8
PARK CREEK
MW-9
ASPHALT
PICNIC AREA
BATEAU SHELTER
RV CAMPSITES
LUCIAS WOODS COUNTY PARK
ASPHALT
ASPHALT
PICNIC AREA
PLAYGROUND
UPPER ST. CROIX LAKE
PUMP HOUSE
UPPER ST. CROIX LAKE

B.I.b. DETAILED SITE MAP

SMITH'S UNION 76 STATION

METCO
709 Enterprise Street, Suite 3
La Crosse, WI 54603
Tel: (608) 781-8676
Fax: (608) 781-8613

SOLON SPRINGS, WISCONSIN

DRAWN BY: ED DATE: 06/27/2016
UPDATED BY: RF DATE: 07/06/2016

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

- MONITORING WELL LOCATION
- MONITORING WELL LOCATION (MISSING/DESTROYED)
- MONITORING WELL LOCATION (OPEN SOLON SPRINGS INVESTIGATION LUST SITE)
- GEOPROBE BORING LOCATION
- SOIL BORING LOCATION (TWIN CITY TESTING - 1990)
- SUB SLAB VAPOR SAMPLING LOCATION
- POTABLE WELL LOCATION

CN-MW-10

- OVERHEAD LINES
- BURIED ELECTRIC
- TELEPHONE LINE
- NATURAL GAS
- SANITARY SEWER
- PROPERTY LINE

SCALE: 1 INCH = 50 FEET
0 25 50

(NO PRIVATE WELL)
VACANT LOT
1419 S BUSINESS HIGHWAY 53
BEDNAR OIL
CLOSED LUST SITE
BRRTS# 03-16-000195

(COULD NOT LOCATE A PRIVATE WELL)
RESIDENTIAL

(COULD NOT LOCATE A PRIVATE WELL)
RESIDENTIAL

COMMERCIAL PROPERTY
1423 S BUSINESS HIGHWAY 53

FORMER SMITH'S UNION 76
1427 S BUSINESS HIGHWAY 53
PIN# SS-18-00505-00

REMOVED 1,000 GALLON FUEL OIL UST

APPROXIMATE LOCATION OF REMOVED GASOLINE UST'S

APPROXIMATE LOCATION OF FORMER PUMP ISLAND

ALLEY

HUGHES AVENUE

S BUSINESS HIGHWAY 53 (MAIN STREET)

CANADIAN NATIONAL RAILWAY

RAILROAD STREET

PARK CREEK

BOX CULVERT

CULVERT

DOUGLAS COUNTY FORESTRY BUILDING
9182 E HUGHES AVENUE

PRIVATE PROPERTY

ATV/SNOWMOBILE TRAIL

WALKING TRAIL ASPHALT

CREEK

FIBER OPTIC LINE

STEEP BANK ~10-12 FEET

STEEP BANK ~7-8 FEET LOWER THAN ROADWAY

STEEP BANK ~15-20 FEET LOWER THAN ROADWAY

CN-MW-9
CN-MW-6
CN-PZ-1
CN-MW-7
CN-MW-8
MW-10
MW-7
MW-6
MW-5
MW-8
MW-4
MW-9

B.1.c RR Sites Map

Legend

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

0.4 0 Distance / 2 0.4 Miles

1: 11,528

NAD_1983_HARN_Wisconsin_TM

Note: Not all sites are mapped.

Notes

B.2.a. SOIL CONTAMINATION

SMITH'S UNION 76 STATION

METCO
709 Gillette Street, Suite 2
La Crosse, WI 54603
Tel. (608) 781-8870
Fax. (608) 781-9613

SOLON SPRINGS,
WISCONSIN

DRAWN BY: ED DATE: 06/27/2008
UPDATED BY: RP DATE: 07/08/2008

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

- MONITORING WELL LOCATION
- MONITORING WELL LOCATION (MISSING/DESTROYED)
- MONITORING WELL LOCATION (OPEN SOLON SPRINGS INVESTIGATION LUST SITE)
- GEOPROBE BORING LOCATION
- SOIL BORING LOCATION (TWIN CITY TESTING - 1990)
- SUB SLAB VAPOR SAMPLING LOCATION
- POTABLE WELL LOCATION

CN-MW-10

- OVERHEAD LINES
- BURIED ELECTRIC
- TELEPHONE LINE
- NATURAL GAS
- SANITARY SEWER
- PROPERTY LINE

SCALE: 1 INCH = 50 FEET
0 25 50

(NO PRIVATE WELL)
VACANT LOT
1419 S BUSINESS HIGHWAY 53
BEDNAR OIL
CLOSED LUST SITE
BRRTS# 03-16-000195

(COULD NOT LOCATE A PRIVATE WELL) RESIDENTIAL

GRASS

COMMERCIAL PROPERTY
1423 S BUSINESS HIGHWAY 53

SS-04

REMOVED 1000 GALLON FUEL OIL UST

ASPHALT

SB-1

RETAINING WALL

SS-03

FORMER SMITH'S UNION 76
1427 S BUSINESS HIGHWAY 53

SS-02

SS-01

CONCRETE

APPROXIMATE LOCATION OF FORMER PUMP ISLAND

G-1 G-2 G-3 G-4 G-5 G-6 G-7 G-8 G-9 G-10

SB-2 SB-3 SB-4

MW-1 MW-2 MW-3

APPROXIMATE LOCATION OF REMOVED GASOLINE USTS

ALLEY

HUGHES AVENUE

ESTIMATED EXTENT OF UNSATURATED SOIL CONTAMINATION EXCEEDING THE NR720 GROUNDWATER RCL VALUES.

DOUGLAS COUNTY FORESTRY BULDING
9182 E HUGHES AVENUE

S/BUSINESS HIGHWAY 53 (MAIN STREET)

CANADIAN NATIONAL RAILWAY

RAILROAD STREET

MW-4 MW-5 MW-6 MW-7 MW-8

BOX CULVERT

PARK CREEK

CULVERT CULVERT CULVERT

BOX CULVERT

PRIVATE PROPERTY

CN-MW-9

ATV/SNOWMOBILE TRAIL

CN-MW-8

CN-PZ-1
CN-MW-7

CN-MW-6

FIBER OPTIC LINE

STEEP BANK ~6-20 FEET LOWER THAN ROADWAY

STEEP BANK ~12-15 FEET LOWER THAN ROADWAY

STEEP BANK ~6-7 FEET LOWER THAN ROADWAY

CREEK

STEEP BANK ~10-12 FEET

MW-10

WALKING TRAIL
ASPHALT

MW-9

B.2.b. RESIDUAL SOIL CONTAMINATION

SMITH'S UNION 76 STATION

METCO
709 Gilette Street, Suite 3
La Crosse, WI 54603
Tel. (608) 791-8275
Fax (608) 784-8053

SOLON SPRINGS,
WISCONSIN

DRAWN BY: ED DATE: 06/27/2016
UPDATED BY: RF DATE: 07/06/2016

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

- MONITORING WELL LOCATION
- GEOPROBE BORING LOCATION
- SOIL BORING LOCATION (TWIN CITY TESTING - 1990)
- SUB SLAB VAPOR SAMPLING LOCATION
- POTABLE WELL LOCATION

- OVERHEAD LINES
- BURIED ELECTRIC
- TELEPHONE LINE
- NATURAL GAS
- SANITARY SEWER
- PROPERTY LINE

SCALE: 1 INCH = 50 FEET
0 25 50

(COULD NOT LOCATE A PRIVATE WELL)
RESIDENTIAL

(NO PRIVATE WELL)
VACANT LOT
1419 S BUSINESS HIGHWAY 53
BEDNAR OIL
CLOSED LUST SITE
BRRTS# 03-16-000195

GRASS

COMMERCIAL PROPERTY
1423 S BUSINESS HIGHWAY 53

ASPHALT

REMOVED 1,000 GALLON FUEL OIL UST

RETAINING WALL

FORMER SMITH'S UNION 76
1427 S BUSINESS HIGHWAY 53

APPROXIMATE LOCATION OF FORMER PUMP ISLAND

CONCRETE

APPROXIMATE LOCATION OF REMOVED GASOLINE USTS

ALLEY

S BUSINESS HIGHWAY 53 (MAIN STREET)

CANADIAN NATIONAL RAILWAY

RAILROAD STREET

MW-6

MW-5

G-2 G-8 SB-2 G-9 MW-2 (G-3) G-6 G-4 MW-3 (G-5) SB-3 G-10

HUGHES AVENUE

ESTIMATED EXTENT OF UNSATURATED SOIL CONTAMINATION EXCEEDING THE NR720 GROUNDWATER RCL VALUES.

DOUGLAS COUNTY FORESTRY BUILDING
9182 E HUGHES AVENUE

BOX CULVERT

PARK CREEK

CULVERT
CULVERT
CULVERT

BOX CULVERT

PRIVATE PROPERTY

ATV/SNOWMOBILE TRAIL

WALKING TRAIL
ASPHALT

FIBER OPTIC LINE

STEEP BANK ~15-20 FEET LOWER THAN ROADWAY

STEEP BANK ~7-8 FEET LOWER THAN ROADWAY

CREEK

STEEP BANK ~10-12 FEET

STEEP BANK ~6-7 FEET LOWER THAN ROADWAY

STEEP BANK ~10-12 FEET

FIBER OPTIC LINE

B.3.a.l. GEOLOGIC CROSS SECTION MAP

SMITH'S UNION 76 STATION

METCO
709 Gillette Street, Suite 3
La Crosse, WI 54603
Tel: (608) 781-5873
Fax: (608) 781-5853

SOLON SPRINGS,
WISCONSIN

DRAWN BY: BD DATE: 06/27/2011
UPDATED BY: NF DATE: 07/08/2011

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

- MONITORING WELL LOCATION
- MONITORING WELL LOCATION (MISSING/DESTROYED)
- MONITORING WELL LOCATION (OPEN SOLON SPRINGS INVESTIGATION LUST SITE)
- GEOPROBE BORING LOCATION
- SOIL BORING LOCATION (TWIN CITY TESTING - 1990)
- SUB SLAB VAPOR SAMPLING LOCATION
- POTABLE WELL LOCATION

CN-MW-10

SCALE: 1 INCH = 50 FEET
0 25 50

- OVERHEAD LINES
- BURIED ELECTRIC
- TELEPHONE LINE
- NATURAL GAS
- SANITARY SEWER
- PROPERTY LINE

(COULD NOT LOCATE A PRIVATE WELL) RESIDENTIAL

(NO PRIVATE WELL)
VACANT LOT
1419 S BUSINESS HIGHWAY 53
BEDNAR OIL
CLOSED LUST SITE
BRRTS# 03-16-000195

GRASS

COMMERCIAL PROPERTY
1423 S BUSINESS HIGHWAY 53

SS-04

GRASS

ASPHALT

REMOVED 1,000 GALLON FUEL OIL UST

SB-1

ALLEY

RETAINING WALL

SS-03

FORMER SMITH'S UNION 76
1427 S BUSINESS HIGHWAY 53

SS-02

SS-01

GRASS

CONCRETE

APPROXIMATE LOCATION OF REMOVED GASOLINE USTS

CONCRETE

G-8 SB-2 G-2 G-9

APPROXIMATE LOCATION OF FORMER PUMP ISLAND

G-1

A

G-6 G-4 MW-2 (G-3)

MW-3 (G-5)

ASPHALT G-7 MW-1 SB-3

SB-4 G-10

HUGHES AVENUE

MW-4

ESTIMATED EXTENT OF UNSATURATED SOIL CONTAMINATION EXCEEDING THE NR720 GROUNDWATER RCL VALUES.

DOUGLAS COUNTY FORESTRY BUILDING
9182 E HUGHES AVENUE

S BUSINESS HIGHWAY 53 (MAIN STREET)

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

PAL

ES

MW-6

MW-7

MW-5

CANADIAN NATIONAL RAILWAY

RAILROAD STREET

MW-8

A'

BOX CULVERT

PARK CREEK

CULVERT

CULVERT

CULVERT

BOX CULVERT

CN-MW-9

CN-MW-6

CN-PZ-1

CN-MW-7

CN-MW-8

PRIVATE PROPERTY

ATV/SNOWMOBILE TRAIL

MW-10

WALKING TRAIL ASPHALT

FIBER OPTIC LINE

STEEP BANK 15-20 FEET LOWER THAN ROADWAY

STEEP BANK 7-8 FEET LOWER THAN ROADWAY

STEEP BANK 6-7 FEET LOWER THAN ROADWAY

STEEP BANK 10-12 FEET

CREEK

STEEP BANK 10-12 FEET

FIBER OPTIC LINE

MW-9

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

SMITH'S UNION 76 STATION

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

SOLON SPRINGS, WISCONSIN

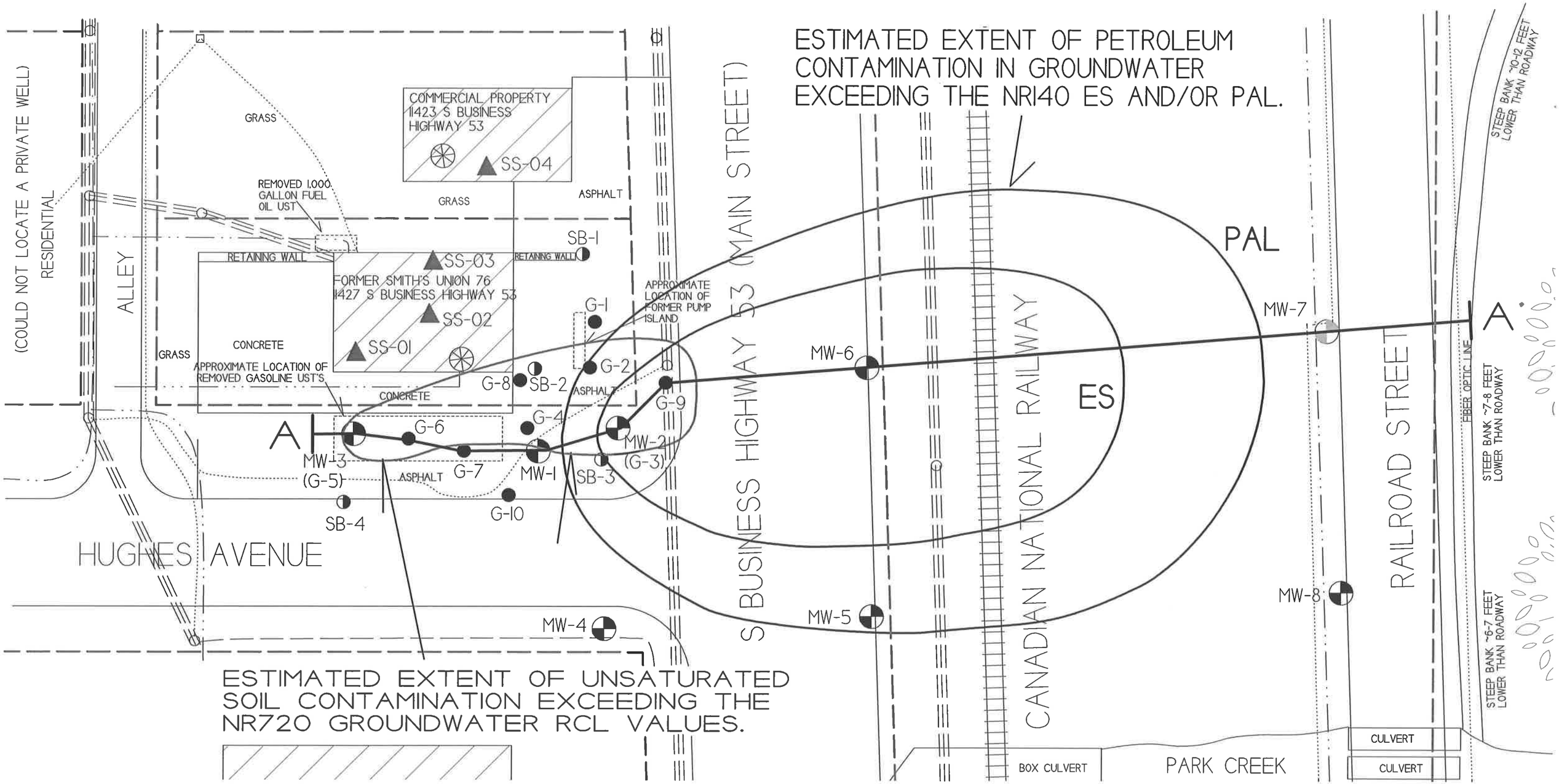
DRAWN BY: ED DATE: 05/27/2012
UPDATED BY: KF DATE: 07/08/2019

SCALE:
1 INCH = 25 FEET
0 25

- OVERHEAD LINES
- BURIED ELECTRIC
- TELEPHONE LINE
- NATURAL GAS
- SANITARY SEWER
- PROPERTY LINE

- MONITORING WELL LOCATION
- MONITORING WELL LOCATION (MISSING/DESTROYED)
- GEOPROBE BORING LOCATION
- SOIL BORING LOCATION (TWIN CITY TESTING - 1990)
- SUB SLAB VAPOR SAMPLING LOCATION
- POTABLE WELL LOCATION

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



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

SMITH'S UNION 76 STATION

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

SOLON SPRINGS, WISCONSIN

DRAWN BY: BW DATE: 09/03/2014
UPDATED BY: KF DATE: 07/09/2019

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).

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

NOTE: SOIL AND GROUNDWATER SAMPLE DATA IS BASED ON LABORATORY RESULTS FROM SAMPLES COLLECTED DURING THE: GEOPROBE/DRILLING PROJECTS - (9/18-20/2012 & 9/25/2013) ROUND II GROUNDWATER SAMPLING - (3/21/2019)

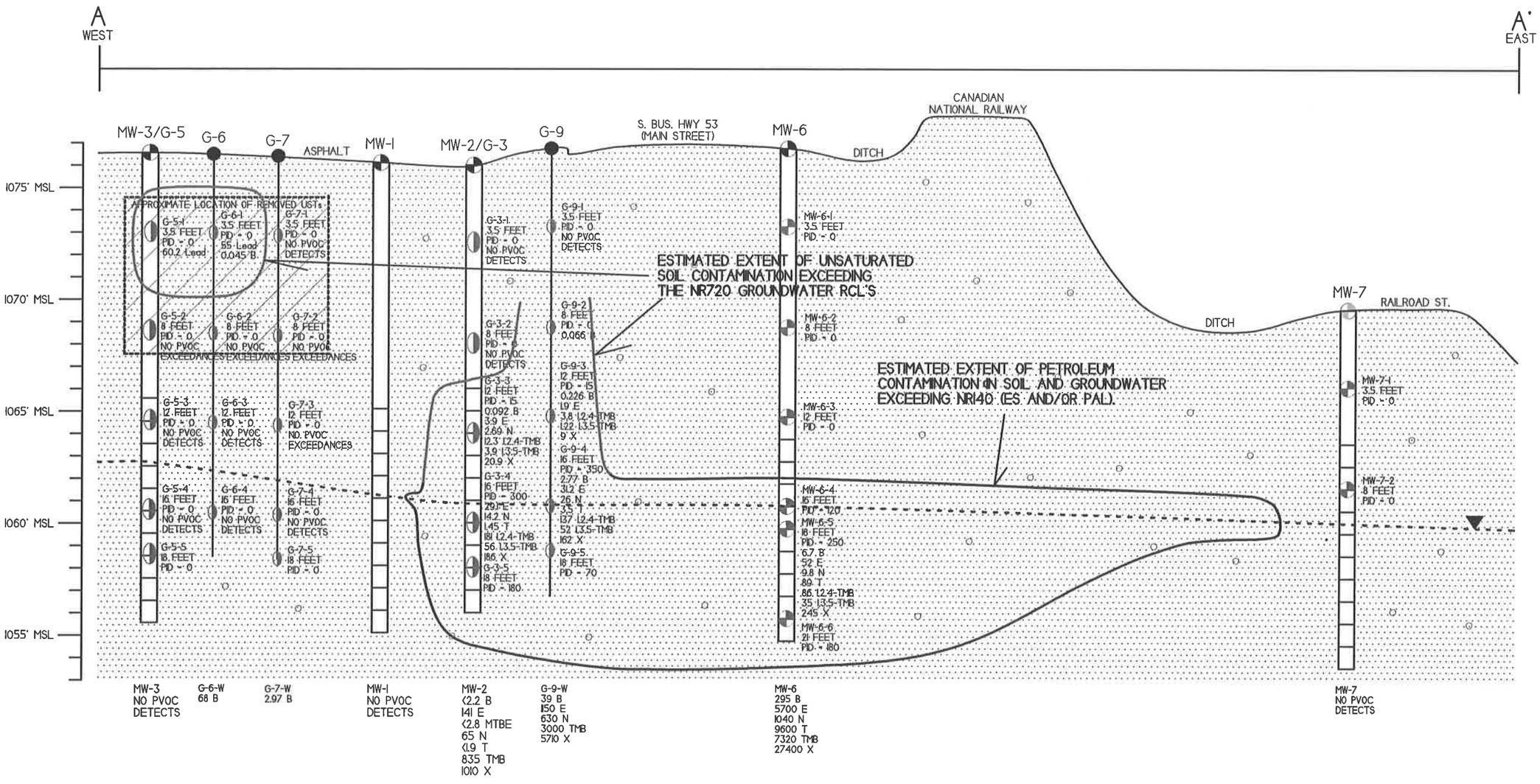
- GEOPROBE BORING LOCATION
- GEOPROBE BORING SAMPLING LOCATION
- MONITORING WELL LOCATION (MISSING/DESTROYED)
- MONITORING WELL LOCATION
- MONITORING WELL SAMPLING LOCATION
- WATERTABLE

PID - PHOTO IONIZATION DETECTOR
PVOC - PETROLEUM VOLATILE ORGANIC COMPOUNDS
B - BENZENE
E - ETHYLBENZENE
N - NAPHTHALENE
T - TOLUENE
TMB - TRIMETHYLBENZENE
X - XYLENE

BROWN TO RED TO GRAY TO TAN, FINE TO COARSE GRAINED SAND TO SILTY SAND WITH GRAVEL (COBBLES NOTED IN MW-7 FROM 0-4 FEET BGS)

VERTICAL SCALE: 1 INCH = 5 FEET (0 to 5)

HORIZONTAL SCALE: 1 INCH = 25 FEET (0 to 25)



B.3.b. GROUNDWATER ISOCONCENTRATION (3/21/19)

SMITH'S UNION 76 STATION

METCO
709 Gilette Street, Suite 3
La Crosse, WI 54603
Tel: (608) 781-8870
Fax: (608) 781-8953

SOLON SPRINGS, WISCONSIN

DRAWN BY: BD DATE: 04/27/2018
UPDATED BY: KF DATE: 07/06/2018

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

- MONITORING WELL LOCATION
- MONITORING WELL LOCATION (MISSING/DESTROYED)
- MONITORING WELL LOCATION (OPEN SOLON SPRINGS INVESTIGATION LUST SITE)
- GEOPROBE BORING LOCATION
- SOIL BORING LOCATION (TWIN CITY TESTING - 1990)
- SUB SLAB VAPOR SAMPLING LOCATION
- POTABLE WELL LOCATION

CN-MW-10

SCALE: 1 INCH = 50 FEET
0 25 50

- OVERHEAD LINES
- BURIED ELECTRIC
- TELEPHONE LINE
- NATURAL GAS
- SANITARY SEWER
- PROPERTY LINE

(COULD NOT LOCATE A PRIVATE WELL) RESIDENTIAL

(NO PRIVATE WELL)
VACANT LOT
1419 S BUSINESS HIGHWAY 53
BEDNAR OIL
CLOSED LUST SITE
BRRTS# 03-16-000195

GRASS

COMMERCIAL PROPERTY
1423 S BUSINESS HIGHWAY 53
SS-04

REMOVED 1,000 GALLON FUEL OIL UST

ASPHALT

SB-1

RETAINING WALL

FORMER SMITH'S UNION 76
1427 S BUSINESS HIGHWAY 53
SS-03
SS-02
SS-01

ALLEY

CONCRETE

G-1
SB-2
G-2
G-8
G-9
G-4

APPROXIMATE LOCATION OF REMOVED GASOLINE UST'S

MW-3 (G-5)
G-6
G-7
MW-1
SB-3
MW-2 (G-3)
SB-4
G-10

APPROXIMATE LOCATION OF FORMER PUMP ISLAND

HUGHES AVENUE

MW-4

DOUGLAS COUNTY FORESTRY BUILDING
9182 E HUGHES AVENUE

S BUSINESS HIGHWAY 53 (MAIN STREET)

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

ES

PAL

MW-6

MW-5

CANADIAN NATIONAL RAILWAY

BOX CULVERT

PARK CREEK

CULVERT
CULVERT
CULVERT

BOX CULVERT

CN-MW-9

CN-MW-6

MW-7

MW-8

RAILROAD STREET

PRIVATE PROPERTY

ATV/SNOWMOBILE TRAIL

CN-MW-8

CN-PZ-1
CN-MW-7

FIBER OPTIC LINE

STEEP BANK 7-8 FEET LOWER THAN ROADWAY

STEEP BANK 10-12 FEET

MW-10

WALKING TRAIL ASPHALT

CREEK

STEEP BANK 10-12 FEET

STEEP BANK 7-8 FEET LOWER THAN ROADWAY

STEEP BANK 6-7 FEET LOWER THAN ROADWAY

STEEP BANK 10-12 FEET

MW-9

B.3.c. GROUNDWATER FLOW DIRECTION (3/21/19)

SMITH'S UNION 76 STATION

METCO — 709 Gilletz Street, Suite 3, La Crosse, WI 54603, Tel: (608) 781-8879, Fax: (608) 781-8903

SOLON SPRINGS, WISCONSIN

DRAWN BY: BD DATE: 05/27/2021
UPDATED BY: RF DATE: 07/08/2021

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

- MONITORING WELL LOCATION
- MONITORING WELL LOCATION (MISSING/DESTROYED)
- MONITORING WELL LOCATION (OPEN SOLON SPRINGS INVESTIGATION LUST SITE)
- GEOPROBE BORING LOCATION
- SOIL BORING LOCATION (TWIN CITY TESTING - 1990)
- SUB SLAB VAPOR SAMPLING LOCATION
- POTABLE WELL LOCATION

CN-MW-10

- OVERHEAD LINES
- BURIED ELECTRIC
- TELEPHONE LINE
- NATURAL GAS
- SANITARY SEWER
- PROPERTY LINE

SCALE: 1 INCH = 50 FEET (0, 25, 50)

(COULD NOT LOCATE A PRIVATE WELL) RESIDENTIAL

(NO PRIVATE WELL)
VACANT LOT
1419 S BUSINESS HIGHWAY 53
BEDNAR OIL
CLOSED LUST SITE
BRRTS# 03-16-000195

COMMERCIAL PROPERTY
1423 S BUSINESS HIGHWAY 53

FORMER SMITHS UNION 76
1427 S BUSINESS HIGHWAY 53

REMOVED 1,000 GALLON FUEL OIL UST

APPROXIMATE LOCATION OF REMOVED GASOLINE USTS

APPROXIMATE LOCATION OF FORMER PUMP ISLAND

ALLEY

HUGHES AVENUE

S BUSINESS HIGHWAY 53 (MAIN STREET)

CANADIAN NATIONAL RAILWAY

RAILROAD STREET

DOUGLAS COUNTY FORESTRY BUILDING
9182 E HUGHES AVENUE

PARK CREEK

BOX CULVERT

CULVERT

PRIVATE PROPERTY

ATV/SNOWMOBILE TRAIL

WALKING TRAIL ASPHALT

CREEK

STEEP BANK 10-12 FEET

STEEP BANK 7-8 FEET LOWER THAN ROADWAY

STEEP BANK 5-6 FEET LOWER THAN ROADWAY

STEEP BANK 3-4 FEET LOWER THAN ROADWAY

FIBER OPTIC LINE

1063.02' MSL
1062.00' MSL
1061.60' MSL
1061.48' MSL
1061.47' MSL
1061.26' MSL
1060.00' MSL
1059.00' MSL
1058.00' MSL
1057.00' MSL
1056.00' MSL
1055.27' MSL
1055.00' MSL
1054.00' MSL
1053.00' MSL
1052.00' MSL
1051.00' MSL
1050.33' MSL

CN-MW-9, CN-MW-8, CN-PZ-1, CN-MW-7, CN-MW-6, MW-10, MW-7, MW-6, MW-5, MW-8, MW-4, MW-3 (G-5), MW-1, MW-2 (G-3), MW-9

SB-1, SB-2, SB-3, SB-4

SS-01, SS-02, SS-03, SS-04

G-1, G-2, G-3, G-4, G-5, G-6, G-7, G-8, G-9, G-10

B.3.d. MONITORING WELLS

SMITH'S UNION 76 STATION

METCO
709 Gillette Street, Suite 3
La Crosse, WI 54603
Tel: (608) 781-9470
Fax: (608) 781-9533

SOLON SPRINGS, WISCONSIN

DRAWN BY: ED DATE: 06/27/2016
UPDATED BY: KF DATE: 07/19/2016

- MONITORING WELL LOCATION (PROPOSED TO BE ABANDONED)
- MONITORING WELL LOCATION (MISSING/DESTROYED)
- POTABLE WELL LOCATION

SCALE: 1 INCH = 50 FEET
0 25 50

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

- OVERHEAD LINES
- BURIED ELECTRIC
- TELEPHONE LINE
- NATURAL GAS
- SANITARY SEWER
- PROPERTY LINE

(NO PRIVATE WELL)
VACANT LOT
1419 S BUSINESS HIGHWAY 53
BEDNAR OIL
CLOSED LUST SITE
BRRTS# 03-16-000195

(COULD NOT LOCATE A PRIVATE WELL) RESIDENTIAL

(COULD NOT LOCATE A PRIVATE WELL) RESIDENTIAL

GRASS

COMMERCIAL PROPERTY
1423 S BUSINESS HIGHWAY 53

REMOVED 1,000 GALLON FUEL OIL UST

RETAINING WALL

FORMER SMITH'S UNION 76
1427 S BUSINESS HIGHWAY 53

APPROXIMATE LOCATION OF FORMER PUMP ISLAND

CONCRETE

APPROXIMATE LOCATION OF REMOVED GASOLINE USTS

ASPHALT

ALLEY

HUGHES AVENUE

DOUGLAS COUNTY FORESTRY BUILDING
9182 E HUGHES AVENUE

MW-1 MW-2 MW-3 MW-4 MW-5 MW-6 MW-7 MW-8 MW-9 MW-10

S BUSINESS HIGHWAY 53 (MAIN STREET)

CANADIAN NATIONAL RAILWAY

RAILROAD STREET

BOX CULVERT

PARK CREEK

CULVERT

CULVERT

CULVERT

BOX CULVERT

PRIVATE PROPERTY

ATV/SNOWMOBILE TRAIL

WALKING TRAIL ASPHALT

FIBER OPTIC LINE

STEEP BANK 15-20 FEET LOWER THAN ROADWAY

STEEP BANK 7-8 FEET LOWER THAN ROADWAY

STEEP BANK 7-8 FEET LOWER THAN ROADWAY

FIBER OPTIC LINE

CREEK

STEEP BANK ~10-12 FEET

STEEP BANK ~10-12 FEET

CREEK

B.4.a. VAPOR INTRUSION MAP

SMITH'S UNION 76 STATION

METCO
209 Gillette Street, Suite 3, La Crosse, WI 54603
Tel. (608) 784-8876 Fax. (608) 791-8855

SOLON SPRINGS, WISCONSIN

DRAWN BY: ED DATE: 04/27/2010
UPDATED BY: NF DATE: 07/08/2010

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

- MONITORING WELL LOCATION
- MONITORING WELL LOCATION (MISSING/DESTROYED)
- MONITORING WELL LOCATION (OPEN SOLON SPRINGS INVESTIGATION LUST SITE)
- GEOPROBE BORING LOCATION
- SOIL BORING LOCATION (TWIN CITY TESTING - 1990)
- SUB SLAB VAPOR SAMPLING LOCATION
- POTABLE WELL LOCATION

CN-MW-10

- OVERHEAD LINES
- BURIED ELECTRIC
- TELEPHONE LINE
- NATURAL GAS
- SANITARY SEWER
- PROPERTY LINE

SCALE: 1 INCH = 50 FEET
0 25 50

B - BENZENE
E - ETHYLBENZENE
MTBE - METHYL TERT-BUTYL ETHER
N- NAPHTHALENE
T - TOLUENE
1,2,4-TMB - TRIMETHYLBENZENE (1,2,4)
1,3,5-TMB - TRIMETHYLBENZENE (1,3,5)
X - XYLENE
NS - NOT SAMPLED

MEASURMENTS IN ug/m^3

(NO PRIVATE WELL)
VACANT LOT

SS-04	
B	<0.48
E	<1.3
MTBE	<5.5
N	<4.0
T	<1.1
1,2,4-TMB	<1.5
1,3,5-TMB	<1.5
X	<3.9

SS-01	
B	0.86
E	<1.2
MTBE	<5.1
N	6.5
T	2.1
1,2,4-TMB	2.8
1,3,5-TMB	<1.4
X	8.6

SS-02	
B	2.8
E	<1.3
MTBE	<5.2
N	<3.8
T	1.2
1,2,4-TMB	NS
1,3,5-TMB	NS
X	3.2-4.4

SS-03	
B	1.6
E	<1.2
MTBE	<5.1
N	<3.7
T	2.6
1,2,4-TMB	NS
1,3,5-TMB	NS
X	<3.7

(COULD NOT LOCATE A PRIVATE WELL) RESIDENTIAL

ALLEY

HUGHES AVENUE

SS-01 SS-02 SS-03 SS-04 MW-1 MW-2 (G-3) MW-3 (G-5) MW-4 MW-5 MW-6 MW-7 MW-8 MW-9 MW-10 CN-MW-6 CN-MW-7 CN-MW-8 CN-MW-9 CN-PZ-1 SB-1 SB-2 SB-3 SB-4 G-1 G-2 G-4 G-5 G-6 G-7 G-8 G-9 G-10

OIL UST

RETAINING WALL

GRASS

CONCRETE

ASPHALT

APPROXIMATE LOCATION OF REMOVED GASOLINE USTs

APPROXIMATE LOCATION OF FORMER PUMP ISLAND

FORMER SMITH'S UNION 76
1427 S BUSINESS HIGHWAY 53

COMMERCIAL PROPERTY
1423 S BUSINESS HIGHWAY 53

S BUSINESS HIGHWAY 53 (MAIN STREET)

CANADIAN NATIONAL RAILWAY

RAILROAD STREET

BOX CULVERT

PARK CREEK

CULVERT

FIBER OPTIC LINE

PRIVATE PROPERTY

ATV/SNOWMOBILE TRAIL

WALKING TRAIL ASPHALT

CREEK

STEEP BANK ~5-20 FEET LOWER THAN ROADWAY

STEEP BANK ~2-4 FEET LOWER THAN ROADWAY

STEEP BANK ~6-7 FEET LOWER THAN ROADWAY

STEEP BANK ~10-12 FEET

Attachment C/Documentation of Remedial Action

C.1 Site Investigation documentation – All other site investigation activities are documented in the following reports:

- Site Investigation Report – September 15, 2014
- Annual Groundwater Monitoring Report – June 8, 2016
- Case Closure – December 15, 2016
- Letter Report – November 6, 2018
- Case Closure – September 3, 2019

Work completed since the last submittal to the WDNR Includes the following:

On February 19, 2020, METCO collected groundwater samples from three potable wells (9182 E. Hughes, 11423 S. Bus Hwy 53, and 11427 S. Bus Hwy) for laboratory analysis (VOC Method 524.2). At this time METCO personnel conducted a free product check on monitoring well MW-6, and attempted to locate three missing monitoring wells (MW-4, MW-7, and MW-9). Monitoring wells MW-4 and MW-9 were located; however MW-7 could not be located and was most likely destroyed by a snowplow/road grader.

Included in C.1 are the laboratory reports, and notes from one round of private well sampling.

C.2 Investigative waste

C.3 Provide a description of the methodology used along with all supporting documentation if the Residual Contaminant Levels are different than those contained in the Department's RCL Spreadsheet available at: http://dnr.wi.goc/topic/brownfields.Professionals.html\ - Residual Contaminant Levels (RCLs) were established in accordance with NR 720.10 and NR 720.12. Soil RCL 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 systems were installed.

C.5 Decommissioning of Remedial Systems – No remedial systems were installed.

C.6 Other – Not Applicable

C.1

METCO

Well Sampling Field Notes and Calculations

Date: 2-19-20

Job Number: _____

Person Sampling: RW

Sampling Round: _____

Weather Conditions: _____

Site Name: Smith's Mobil 76

Assistant: _____

* Length of water column X 0.16 X 4 = Amount of water to be purged*

WELL NAME	11427 Hwy 53 Roadside	11423 S. Hwy 53	9182 E Hwy 53	Lucky Woods Condo Park			MW-6			
WELL DEPTH	—	—	—							
DEPTH TO WATER	—	—	—				15.33			
AMOUNT PURGED	—	—	—							
TIME TO PURGE	40 mins	15 mins	15 mins							
PURGED DRY	—	—	—							
SAMPLE TAKEN?	X	Y	X							
COLOR	Yellow tint	Clear	Clear							
ODORS OR SHEENS	low	none	none							
TURBIDITY	med/low	low	low							
DO	—	—	—							
pH	—	—	—							
ORP	—	—	—							
TEMP°	—	—	—							
SPECIFIC CONDUCTANCE	—	—	—							
TIME SAMPLED	12:30	1:00	2:47							
NOTES: BARREL NUMBER	door code 5487			water is currently shut off			No free product			

* MW-4 located 3.5' South of stop sign & 1' East of stop sign

& could not locate MW-7 but did locate MW-9 for future sample/Abandonment look at file pictures

See notes on back page

Source property well was frozen (was not winterized). Kent Drilling took piping apart at floor surface & melted 4' of Ice. Then primed & started pumping out water. Took a sample with ziplock at 5min due to not knowing if melt would go dry (black in color). Took another sample at 20 min due to pump surging (Brown tyrone in color). Took sample at at 35 min (clear with yellow tint). Took sample when they shutit down at 40min (clear with yellow tint). Kent Drilling then put well back together & checked pump & took out on site building where pipe came up through the floor & didn't notice any cracks or breaks.

Bob Kent was told the well was a sand point well, however the line coming through the floor bends at 90° & goes about 6 to 7 feet down south out of building

C.1

Synergy Environmental Lab,

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

ADAM BACHAND
ADAM BACHAND
722 TOWER AVENUE
SUPERIOR, WI 54880

Report Date *28-Feb-20*

Project Name SMITHS UNION 76 **Invoice #** E37524
Project #
Lab Code 5037524A
Sample ID 11427
Sample Matrix Drinking Water
Sample Date 2/19/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.29	ug/l	0.29	0.93	1	524.2		2/26/2020	CJR	1
Bromobenzene	< 0.27	ug/l	0.27	0.87	1	524.2		2/26/2020	CJR	1
Bromodichloromethane	< 0.46	ug/l	0.46	1.5	1	524.2		2/26/2020	CJR	1
Bromoform	< 0.28	ug/l	0.28	0.9	1	524.2		2/26/2020	CJR	1
Bromomethane	< 1.2	ug/l	1.2	4	1	524.2		2/26/2020	CJR	1
Carbon Tetrachloride	< 0.41	ug/l	0.41	1.3	1	524.2		2/26/2020	CJR	1
Chlorobenzene	< 0.28	ug/l	0.28	0.88	1	524.2		2/26/2020	CJR	1
Chloroethane	< 0.61	ug/l	0.61	1.9	1	524.2		2/26/2020	CJR	1
Chloroform	< 0.63	ug/l	0.63	2	1	524.2		2/26/2020	CJR	1
Chloromethane	< 0.54	ug/l	0.54	1.7	1	524.2		2/26/2020	CJR	1
2-Chlorotoluene	< 0.45	ug/l	0.45	1.4	1	524.2		2/26/2020	CJR	1
4-Chlorotoluene	< 0.34	ug/l	0.34	1.1	1	524.2		2/26/2020	CJR	1
Dibromochloromethane	< 0.3	ug/l	0.3	0.97	1	524.2		2/26/2020	CJR	1
Dibromomethane	< 0.47	ug/l	0.47	1.5	1	524.2		2/26/2020	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.94	1	524.2		2/26/2020	CJR	1
1,3-Dichlorobenzene	< 0.31	ug/l	0.31	1	1	524.2		2/26/2020	CJR	1
1,2-Dichlorobenzene	< 0.35	ug/l	0.35	1.1	1	524.2		2/26/2020	CJR	1
Dichlorodifluoromethane	< 0.41	ug/l	0.41	1.31	1	524.2		2/26/2020	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	524.2		2/26/2020	CJR	1
1,1-Dichloroethane	< 0.29	ug/l	0.29	0.92	1	524.2		2/26/2020	CJR	1
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1	524.2		2/26/2020	CJR	1
cis-1,2-Dichloroethene	< 0.45	ug/l	0.45	1.4	1	524.2		2/26/2020	CJR	1
trans-1,2-Dichloroethene	< 0.34	ug/l	0.34	1.1	1	524.2		2/26/2020	CJR	1
1,2-Dichloropropane	< 0.42	ug/l	0.42	1.3	1	524.2		2/26/2020	CJR	1
2,2-Dichloropropane	< 0.38	ug/l	0.38	1.2	1	524.2		2/26/2020	CJR	1

Project Name SMITHS UNION 76 **Invoice #** E37524
Project #

Lab Code 5037524A
Sample ID 11427
Sample Matrix Drinking Water
Sample Date 2/19/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,3-Dichloropropane	< 0.44	ug/l	0.44	1.4	1	524.2		2/26/2020	CJR	1
trans-1,3-Dichloropropene	< 0.33	ug/l	0.33	1	1	524.2		2/26/2020	CJR	1
cis-1,3-Dichloropropene	< 0.34	ug/l	0.34	1.1	1	524.2		2/26/2020	CJR	1
1,1-Dichloropropene	< 0.33	ug/l	0.33	1	1	524.2		2/26/2020	CJR	1
Ethylbenzene	< 0.41	ug/l	0.41	1.3	1	524.2		2/26/2020	CJR	1
Hexachlorobutadiene	< 0.52	ug/l	0.52	1.7	1	524.2		2/26/2020	CJR	1
Isopropylbenzene	< 0.26	ug/l	0.26	0.83	1	524.2		2/26/2020	CJR	1
p-Isopropyltoluene	< 0.36	ug/l	0.36	1.1	1	524.2		2/26/2020	CJR	1
Methylene chloride	< 0.51	ug/l	0.51	1.6	1	524.2		2/26/2020	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.42	ug/l	0.42	1.3	1	524.2		2/26/2020	CJR	1
Naphthalene	< 0.58	ug/l	0.58	1.8	1	524.2		2/26/2020	CJR	1
Styrene	< 0.35	ug/l	0.35	1.1	1	524.2		2/26/2020	CJR	1
1,1,2,2-Tetrachloroethane	< 0.33	ug/l	0.33	1	1	524.2		2/26/2020	CJR	1
1,1,1,2-Tetrachloroethane	< 0.63	ug/l	0.63	2	1	524.2		2/26/2020	CJR	1
Tetrachloroethene	< 0.28	ug/l	0.28	0.89	1	524.2		2/26/2020	CJR	1
Toluene	< 0.29	ug/l	0.29	0.93	1	524.2		2/26/2020	CJR	1
1,2,4-Trichlorobenzene	< 0.39	ug/l	0.39	1.2	1	524.2		2/26/2020	CJR	1
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	1	1	524.2		2/26/2020	CJR	1
1,1,2-Trichloroethane	< 0.4	ug/l	0.4	1.3	1	524.2		2/26/2020	CJR	1
Trichloroethene (TCE)	< 0.42	ug/l	0.42	1.3	1	524.2		2/26/2020	CJR	1
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	1	524.2		2/26/2020	CJR	1
1,2,3-Trichloropropane	< 0.57	ug/l	0.57	1.8	1	524.2		2/26/2020	CJR	1
Trichlorotrifluoroethane	< 0.18	ug/l	0.18	0.57	1	524.2		2/26/2020	CJR	1
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.97	1	524.2		2/26/2020	CJR	1
1,3,5-Trimethylbenzene	< 0.33	ug/l	0.33	1.1	1	524.2		2/26/2020	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	524.2		2/26/2020	CJR	1
m&p-Xylene	< 0.78	ug/l	0.78	2.5	1	524.2		2/26/2020	CJR	1
o-Xylene	< 0.37	ug/l	0.37	1.2	1	524.2		2/26/2020	CJR	1

Project Name SMITHS UNION 76 **Invoice #** E37524
Project #

Lab Code 5037524B
Sample ID 11423
Sample Matrix Drinking Water
Sample Date 2/19/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.29	ug/l	0.29	0.93	1	524.2		2/26/2020	CJR	1
Bromobenzene	< 0.27	ug/l	0.27	0.87	1	524.2		2/26/2020	CJR	1
Bromodichloromethane	< 0.46	ug/l	0.46	1.5	1	524.2		2/26/2020	CJR	1
Bromoform	< 0.28	ug/l	0.28	0.9	1	524.2		2/26/2020	CJR	1
Bromomethane	< 1.2	ug/l	1.2	4	1	524.2		2/26/2020	CJR	1
Carbon Tetrachloride	< 0.41	ug/l	0.41	1.3	1	524.2		2/26/2020	CJR	1
Chlorobenzene	< 0.28	ug/l	0.28	0.88	1	524.2		2/26/2020	CJR	1
Chloroethane	< 0.61	ug/l	0.61	1.9	1	524.2		2/26/2020	CJR	1
Chloroform	< 0.63	ug/l	0.63	2	1	524.2		2/26/2020	CJR	1
Chloromethane	< 0.54	ug/l	0.54	1.7	1	524.2		2/26/2020	CJR	1
2-Chlorotoluene	< 0.45	ug/l	0.45	1.4	1	524.2		2/26/2020	CJR	1
4-Chlorotoluene	< 0.34	ug/l	0.34	1.1	1	524.2		2/26/2020	CJR	1
Dibromochloromethane	< 0.3	ug/l	0.3	0.97	1	524.2		2/26/2020	CJR	1
Dibromomethane	< 0.47	ug/l	0.47	1.5	1	524.2		2/26/2020	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.94	1	524.2		2/26/2020	CJR	1
1,3-Dichlorobenzene	< 0.31	ug/l	0.31	1	1	524.2		2/26/2020	CJR	1
1,2-Dichlorobenzene	< 0.35	ug/l	0.35	1.1	1	524.2		2/26/2020	CJR	1
Dichlorodifluoromethane	< 0.41	ug/l	0.41	1.31	1	524.2		2/26/2020	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	524.2		2/26/2020	CJR	1
1,1-Dichloroethane	< 0.29	ug/l	0.29	0.92	1	524.2		2/26/2020	CJR	1
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1	524.2		2/26/2020	CJR	1
cis-1,2-Dichloroethene	< 0.45	ug/l	0.45	1.4	1	524.2		2/26/2020	CJR	1
trans-1,2-Dichloroethene	< 0.34	ug/l	0.34	1.1	1	524.2		2/26/2020	CJR	1
1,2-Dichloropropane	< 0.42	ug/l	0.42	1.3	1	524.2		2/26/2020	CJR	1
2,2-Dichloropropane	< 0.38	ug/l	0.38	1.2	1	524.2		2/26/2020	CJR	1
1,3-Dichloropropane	< 0.44	ug/l	0.44	1.4	1	524.2		2/26/2020	CJR	1
trans-1,3-Dichloropropene	< 0.33	ug/l	0.33	1	1	524.2		2/26/2020	CJR	1
cis-1,3-Dichloropropene	< 0.34	ug/l	0.34	1.1	1	524.2		2/26/2020	CJR	1
1,1-Dichloropropene	< 0.33	ug/l	0.33	1	1	524.2		2/26/2020	CJR	1
Ethylbenzene	< 0.41	ug/l	0.41	1.3	1	524.2		2/26/2020	CJR	1
Hexachlorobutadiene	< 0.52	ug/l	0.52	1.7	1	524.2		2/26/2020	CJR	1
Isopropylbenzene	< 0.26	ug/l	0.26	0.83	1	524.2		2/26/2020	CJR	1
p-Isopropyltoluene	< 0.36	ug/l	0.36	1.1	1	524.2		2/26/2020	CJR	1
Methylene chloride	< 0.51	ug/l	0.51	1.6	1	524.2		2/26/2020	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.42	ug/l	0.42	1.3	1	524.2		2/26/2020	CJR	1
Naphthalene	< 0.58	ug/l	0.58	1.8	1	524.2		2/26/2020	CJR	1
Styrene	< 0.35	ug/l	0.35	1.1	1	524.2		2/26/2020	CJR	1
1,1,2,2-Tetrachloroethane	< 0.33	ug/l	0.33	1	1	524.2		2/26/2020	CJR	1
1,1,1,2-Tetrachloroethane	< 0.63	ug/l	0.63	2	1	524.2		2/26/2020	CJR	1
Tetrachloroethene	< 0.28	ug/l	0.28	0.89	1	524.2		2/26/2020	CJR	1
Toluene	< 0.29	ug/l	0.29	0.93	1	524.2		2/26/2020	CJR	1
1,2,4-Trichlorobenzene	< 0.39	ug/l	0.39	1.2	1	524.2		2/26/2020	CJR	1
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	1	1	524.2		2/26/2020	CJR	1
1,1,2-Trichloroethane	< 0.4	ug/l	0.4	1.3	1	524.2		2/26/2020	CJR	1

Project Name SMITHS UNION 76 **Invoice #** E37524
Project #

Lab Code 5037524B
Sample ID 11423
Sample Matrix Drinking Water
Sample Date 2/19/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Trichloroethene (TCE)	< 0.42	ug/l	0.42	1.3	1	524.2		2/26/2020	CJR	1
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	1	524.2		2/26/2020	CJR	1
1,2,3-Trichloropropane	< 0.57	ug/l	0.57	1.8	1	524.2		2/26/2020	CJR	1
Trichlorotrifluoroethane	< 0.18	ug/l	0.18	0.57	1	524.2		2/26/2020	CJR	1
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.97	1	524.2		2/26/2020	CJR	1
1,3,5-Trimethylbenzene	< 0.33	ug/l	0.33	1.1	1	524.2		2/26/2020	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	524.2		2/26/2020	CJR	1
m&p-Xylene	< 0.78	ug/l	0.78	2.5	1	524.2		2/26/2020	CJR	1
o-Xylene	< 0.37	ug/l	0.37	1.2	1	524.2		2/26/2020	CJR	1

Project Name SMITHS UNION 76 **Invoice #** E37524
Project #

Lab Code 5037524C
Sample ID 9182 E HUGHES
Sample Matrix Drinking Water
Sample Date 2/19/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.29	ug/l	0.29	0.93	1	524.2		2/26/2020	CJR	1
Bromobenzene	< 0.27	ug/l	0.27	0.87	1	524.2		2/26/2020	CJR	1
Bromodichloromethane	< 0.46	ug/l	0.46	1.5	1	524.2		2/26/2020	CJR	1
Bromoform	< 0.28	ug/l	0.28	0.9	1	524.2		2/26/2020	CJR	1
Bromomethane	< 1.2	ug/l	1.2	4	1	524.2		2/26/2020	CJR	1
Carbon Tetrachloride	< 0.41	ug/l	0.41	1.3	1	524.2		2/26/2020	CJR	1
Chlorobenzene	< 0.28	ug/l	0.28	0.88	1	524.2		2/26/2020	CJR	1
Chloroethane	< 0.61	ug/l	0.61	1.9	1	524.2		2/26/2020	CJR	1
Chloroform	< 0.63	ug/l	0.63	2	1	524.2		2/26/2020	CJR	1
Chloromethane	< 0.54	ug/l	0.54	1.7	1	524.2		2/26/2020	CJR	1
2-Chlorotoluene	< 0.45	ug/l	0.45	1.4	1	524.2		2/26/2020	CJR	1
4-Chlorotoluene	< 0.34	ug/l	0.34	1.1	1	524.2		2/26/2020	CJR	1
Dibromochloromethane	< 0.3	ug/l	0.3	0.97	1	524.2		2/26/2020	CJR	1
Dibromomethane	< 0.47	ug/l	0.47	1.5	1	524.2		2/26/2020	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.94	1	524.2		2/26/2020	CJR	1
1,3-Dichlorobenzene	< 0.31	ug/l	0.31	1	1	524.2		2/26/2020	CJR	1
1,2-Dichlorobenzene	< 0.35	ug/l	0.35	1.1	1	524.2		2/26/2020	CJR	1
Dichlorodifluoromethane	< 0.41	ug/l	0.41	1.31	1	524.2		2/26/2020	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	524.2		2/26/2020	CJR	1
1,1-Dichloroethane	< 0.29	ug/l	0.29	0.92	1	524.2		2/26/2020	CJR	1
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1	524.2		2/26/2020	CJR	1
cis-1,2-Dichloroethene	< 0.45	ug/l	0.45	1.4	1	524.2		2/26/2020	CJR	1
trans-1,2-Dichloroethene	< 0.34	ug/l	0.34	1.1	1	524.2		2/26/2020	CJR	1
1,2-Dichloropropane	< 0.42	ug/l	0.42	1.3	1	524.2		2/26/2020	CJR	1
2,2-Dichloropropane	< 0.38	ug/l	0.38	1.2	1	524.2		2/26/2020	CJR	1
1,3-Dichloropropane	< 0.44	ug/l	0.44	1.4	1	524.2		2/26/2020	CJR	1
trans-1,3-Dichloropropene	< 0.33	ug/l	0.33	1	1	524.2		2/26/2020	CJR	1
cis-1,3-Dichloropropene	< 0.34	ug/l	0.34	1.1	1	524.2		2/26/2020	CJR	1
1,1-Dichloropropene	< 0.33	ug/l	0.33	1	1	524.2		2/26/2020	CJR	1
Ethylbenzene	< 0.41	ug/l	0.41	1.3	1	524.2		2/26/2020	CJR	1
Hexachlorobutadiene	< 0.52	ug/l	0.52	1.7	1	524.2		2/26/2020	CJR	1
Isopropylbenzene	< 0.26	ug/l	0.26	0.83	1	524.2		2/26/2020	CJR	1
p-Isopropyltoluene	< 0.36	ug/l	0.36	1.1	1	524.2		2/26/2020	CJR	1
Methylene chloride	< 0.51	ug/l	0.51	1.6	1	524.2		2/26/2020	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.42	ug/l	0.42	1.3	1	524.2		2/26/2020	CJR	1
Naphthalene	< 0.58	ug/l	0.58	1.8	1	524.2		2/26/2020	CJR	1
Styrene	< 0.35	ug/l	0.35	1.1	1	524.2		2/26/2020	CJR	1
1,1,2,2-Tetrachloroethane	< 0.33	ug/l	0.33	1	1	524.2		2/26/2020	CJR	1
1,1,1,2-Tetrachloroethane	< 0.63	ug/l	0.63	2	1	524.2		2/26/2020	CJR	1
Tetrachloroethene	< 0.28	ug/l	0.28	0.89	1	524.2		2/26/2020	CJR	1
Toluene	< 0.29	ug/l	0.29	0.93	1	524.2		2/26/2020	CJR	1
1,2,4-Trichlorobenzene	< 0.39	ug/l	0.39	1.2	1	524.2		2/26/2020	CJR	1
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	1	1	524.2		2/26/2020	CJR	1
1,1,2-Trichloroethane	< 0.4	ug/l	0.4	1.3	1	524.2		2/26/2020	CJR	1

Project Name SMITHS UNION 76 **Invoice #** E37524
Project #

Lab Code 5037524C
Sample ID 9182 E HUGHES
Sample Matrix Drinking Water
Sample Date 2/19/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Trichloroethene (TCE)	< 0.42	ug/l	0.42	1.3	1	524.2		2/26/2020	CJR	1
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	1	524.2		2/26/2020	CJR	1
1,2,3-Trichloropropane	< 0.57	ug/l	0.57	1.8	1	524.2		2/26/2020	CJR	1
Trichlorotrifluoroethane	< 0.18	ug/l	0.18	0.57	1	524.2		2/26/2020	CJR	1
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.97	1	524.2		2/26/2020	CJR	1
1,3,5-Trimethylbenzene	< 0.33	ug/l	0.33	1.1	1	524.2		2/26/2020	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	524.2		2/26/2020	CJR	1
m&p-Xylene	< 0.78	ug/l	0.78	2.5	1	524.2		2/26/2020	CJR	1
o-Xylene	< 0.37	ug/l	0.37	1.2	1	524.2		2/26/2020	CJR	1

Project Name SMITHS UNION 76 **Invoice #** E37524
Project #

Lab Code 5037524D
Sample ID TB
Sample Matrix Drinking Water
Sample Date 2/19/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.29	ug/l	0.29	0.93	1	524.2		2/26/2020	CJR	1
Bromobenzene	< 0.27	ug/l	0.27	0.87	1	524.2		2/26/2020	CJR	1
Bromodichloromethane	< 0.46	ug/l	0.46	1.5	1	524.2		2/26/2020	CJR	1
Bromoform	< 0.28	ug/l	0.28	0.9	1	524.2		2/26/2020	CJR	1
Bromomethane	< 1.2	ug/l	1.2	4	1	524.2		2/26/2020	CJR	1
Carbon Tetrachloride	< 0.41	ug/l	0.41	1.3	1	524.2		2/26/2020	CJR	1
Chlorobenzene	< 0.28	ug/l	0.28	0.88	1	524.2		2/26/2020	CJR	1
Chloroethane	< 0.61	ug/l	0.61	1.9	1	524.2		2/26/2020	CJR	1
Chloroform	< 0.63	ug/l	0.63	2	1	524.2		2/26/2020	CJR	1
Chloromethane	< 0.54	ug/l	0.54	1.7	1	524.2		2/26/2020	CJR	1
2-Chlorotoluene	< 0.45	ug/l	0.45	1.4	1	524.2		2/26/2020	CJR	1
4-Chlorotoluene	< 0.34	ug/l	0.34	1.1	1	524.2		2/26/2020	CJR	1
Dibromochloromethane	< 0.3	ug/l	0.3	0.97	1	524.2		2/26/2020	CJR	1
Dibromomethane	< 0.47	ug/l	0.47	1.5	1	524.2		2/26/2020	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.94	1	524.2		2/26/2020	CJR	1
1,3-Dichlorobenzene	< 0.31	ug/l	0.31	1	1	524.2		2/26/2020	CJR	1
1,2-Dichlorobenzene	< 0.35	ug/l	0.35	1.1	1	524.2		2/26/2020	CJR	1
Dichlorodifluoromethane	< 0.41	ug/l	0.41	1.31	1	524.2		2/26/2020	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	524.2		2/26/2020	CJR	1
1,1-Dichloroethane	< 0.29	ug/l	0.29	0.92	1	524.2		2/26/2020	CJR	1
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1	524.2		2/26/2020	CJR	1
cis-1,2-Dichloroethene	< 0.45	ug/l	0.45	1.4	1	524.2		2/26/2020	CJR	1
trans-1,2-Dichloroethene	< 0.34	ug/l	0.34	1.1	1	524.2		2/26/2020	CJR	1
1,2-Dichloropropane	< 0.42	ug/l	0.42	1.3	1	524.2		2/26/2020	CJR	1
2,2-Dichloropropane	< 0.38	ug/l	0.38	1.2	1	524.2		2/26/2020	CJR	1
1,3-Dichloropropane	< 0.44	ug/l	0.44	1.4	1	524.2		2/26/2020	CJR	1
trans-1,3-Dichloropropene	< 0.33	ug/l	0.33	1	1	524.2		2/26/2020	CJR	1
cis-1,3-Dichloropropene	< 0.34	ug/l	0.34	1.1	1	524.2		2/26/2020	CJR	1
1,1-Dichloropropene	< 0.33	ug/l	0.33	1	1	524.2		2/26/2020	CJR	1
Ethylbenzene	< 0.41	ug/l	0.41	1.3	1	524.2		2/26/2020	CJR	1
Hexachlorobutadiene	< 0.52	ug/l	0.52	1.7	1	524.2		2/26/2020	CJR	1
Isopropylbenzene	< 0.26	ug/l	0.26	0.83	1	524.2		2/26/2020	CJR	1
p-Isopropyltoluene	< 0.36	ug/l	0.36	1.1	1	524.2		2/26/2020	CJR	1
Methylene chloride	< 0.51	ug/l	0.51	1.6	1	524.2		2/26/2020	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.42	ug/l	0.42	1.3	1	524.2		2/26/2020	CJR	1
Naphthalene	< 0.58	ug/l	0.58	1.8	1	524.2		2/26/2020	CJR	1
Styrene	< 0.35	ug/l	0.35	1.1	1	524.2		2/26/2020	CJR	1
1,1,2,2-Tetrachloroethane	< 0.33	ug/l	0.33	1	1	524.2		2/26/2020	CJR	1
1,1,1,2-Tetrachloroethane	< 0.63	ug/l	0.63	2	1	524.2		2/26/2020	CJR	1
Tetrachloroethene	< 0.28	ug/l	0.28	0.89	1	524.2		2/26/2020	CJR	1
Toluene	< 0.29	ug/l	0.29	0.93	1	524.2		2/26/2020	CJR	1
1,2,4-Trichlorobenzene	< 0.39	ug/l	0.39	1.2	1	524.2		2/26/2020	CJR	1
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	1	1	524.2		2/26/2020	CJR	1
1,1,2-Trichloroethane	< 0.4	ug/l	0.4	1.3	1	524.2		2/26/2020	CJR	1

Project Name SMITHS UNION 76 **Invoice #** E37524
Project #

Lab Code 5037524D
Sample ID TB
Sample Matrix Drinking Water
Sample Date 2/19/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Trichloroethene (TCE)	< 0.42	ug/l	0.42	1.3	1	524.2		2/26/2020	CJR	1
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	1	524.2		2/26/2020	CJR	1
1,2,3-Trichloropropane	< 0.57	ug/l	0.57	1.8	1	524.2		2/26/2020	CJR	1
Trichlorotrifluoroethane	< 0.18	ug/l	0.18	0.57	1	524.2		2/26/2020	CJR	1
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.97	1	524.2		2/26/2020	CJR	1
1,3,5-Trimethylbenzene	< 0.33	ug/l	0.33	1.1	1	524.2		2/26/2020	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	524.2		2/26/2020	CJR	1
m&p-Xylene	< 0.78	ug/l	0.78	2.5	1	524.2		2/26/2020	CJR	1
o-Xylene	< 0.37	ug/l	0.37	1.2	1	524.2		2/26/2020	CJR	1

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

Code	*Comment*
1	Laboratory QC within limits.

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

Authorized Signature Michael Ricker

CHAIN OF CUSTODY RECORD

Synergy Environmental Lab, Inc.

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

Chain # Nº 340

Page 1 of 1

Sample Handling Request
_____ Rush Analysis Date Required _____
(Rushes accepted only with prior authorization)
X Normal Turn Around

Lab I.D. #

Account No. : | Quote No.:

Project #:

Sampler: (signature) Phil Zuhl

Project (Name / Location): Smith's Union 76 / Solon Springs, WI

Reports To: Adam Bechard	Invoice To: Adam Bechard
Company Bechard Group	Company C/O METCO
Address 722 Tower Ave	Address 709 Gillette st. Ste #3
City State Zip Superior, WI 54880	City State Zip La Crosse, WI 54603
Phone	Phone 608-781-8879
FAX	FAX

Lab I.D.	Sample I.D.	Collection Date	Collection Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation
503452A	11427 S. Oak	2-19	12:30		X	N	3	Dw	HCl
B	11423 S. Birch		1:00						
C	9182 E Hughes		8:49						
D	TB	2-19	—				1	—	

Analysis Requested

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

Other Analysis: PID/FID

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)

Lab to send copy of report to METCO/Jason P. (Invoice to METCO).
charge for trip blank # Agend status
utc Refer Apply

Sample Integrity - To be completed by receiving lab.
Method of Shipment: Courier
Temp. of Temp. Blank 4 °C On Ice X
Cooler seal intact upon receipt: X Yes ____ No

Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date
Phil Zuhl	9:31	2-20-20			

Received in Laboratory By: [signature] Time: 8400 Date: 2/21/20

C.2 Investigative Waste

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

INVOICE

10-22 20 13

CUSTOMER: ADAM BACHAND % Metco
709 Gillette St
La Crosse WI 54603

JOB NAME: Smith's Union 76
11427 S Business Hwy 53
Solon Springs WI

☐ CASH ☐ CHECK # _____ ☒ IN-HOUSE ACCOUNT

QUANTITY DATE	QUANTITY SHIPPED	DESCRIPTION	QTY.	UNIT PRICE	AMOUNT
	1	MOBILIZATION	1	274 -	274 -
	5	Haul soil drums to Advanced Disposal	5	103 -	515 -
	4	Haul water drums to Advanced Disposal	4	40 10	160 40
		Thank You		TOTAL	949 40

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

SIGNATURE _____

73

Waste Disposal
Reviewed 10/22/13
OK

Attachment D/Maintenance Plan(s)

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

D.2 Location map(s)

D.3 Photographs

D.4 Inspection log

D.1 Description of Maintenance Action(s)

CAP MAINTENANCE PLAN

July 10, 2019

Property Located at:
11427 S Bus Hwy 53
Solon Springs, WI 54873

WDNR BRRTS# 03-16-000069
FID# 816029940

TAX KEY# SS-181-00505-00

Introduction

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

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

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

Description of Contamination

Unsaturated soil contaminated by Lead, Benzene, Ethylbenzene, Naphthalene, Trimethylbenzenes, and Xylene is located at a depth of 3.5-15 feet below ground surface in the area of the former UST systems. Groundwater contamination by Benzene, Ethylbenzene, Naphthalene Trimethylbenzenes, and Xylene is located at a depth of 14-15.5 feet below ground surface and was found in the area of the removed UST systems. The extent of the soil and groundwater contamination is shown on Attachment D.2.

Description of the Cap to be maintained

The cover consists of 4-6 inches of concrete and/or 2-3 inches of asphalt, which covers the area of the former UST systems, as shown on the attached map (Attachment D.2.).

Cover Barrier Purpose

The concrete and asphalt cover over the contaminated soil serves as a partial infiltration barrier to minimize future soil-to-groundwater contamination migration that would violate the groundwater standards in ch. NR140, Wisconsin Administrative Code. Based on the current and future use of the property, the barrier should function as intended unless disturbed.

Annual Inspection

The concrete and asphalt cover overlying the contaminated soil and as depicted in Attachment D.2 will be inspected once a year, normally in the spring after all snow and ice is gone, for deterioration, cracks, potholes and other potential problems that can cause exposure to underlying soils through the concrete or asphalt. The inspections will be performed by the property owner or their designated representative. The inspections will be performed to evaluate damage due to settling, exposure to the weather, wear from traffic, increasing age and other factors. Any area where soils have become or are likely to become exposed and where infiltration from the surface will not be effectively minimized will be documented. A log of the inspections and any repairs will be maintained by the property owner and is included as Form 4400-305 Continuing Obligations and Maintenance Log. The log will include recommendations for necessary repair of any areas where underlying soils are exposed and where infiltration from the surface will not be effectively minimized. Once repairs are completed, they will be documented in the inspection log. A copy of the inspection log will be kept at the address of the property owner and available for submittal or inspection by Wisconsin Department of Natural Resources ("WDNR") representatives upon their request.

Note: The WDNR may, in some instances, require in the case closure letter that the inspection log be submitted at least annually after every inspection. If the case closure letter requires that, then a copy of the inspection log must be submitted to the WDNR at least annually after every inspection.

Maintenance Activities

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

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

The property owner, in order to maintain the integrity of the concrete and asphalt cover, will maintain a copy of this Maintenance Plan on-site and make it available to all interested parties (i.e. on-site employees, contractors, future property owners, etc.) for viewing.

Prohibition of Activities and Notification of DNR Prior to Actions Affecting a Cover or Cap

The following activities are prohibited on any portion of the property where the concrete or asphalt cover is required as shown on the attached map, unless prior written approval has been obtained from the Wisconsin Department of Natural Resources: 1) removal of the existing barrier; 2) replacement with another barrier; 3) excavating or grading of the land surface; 4) filling on capped or paved areas; 5) plowing for agricultural cultivation; 6) construction or placement of a building or other structure; or 7) changing the use or occupancy of the property to a residential exposure setting, which may include certain uses, such as single or multiple family residences, a school, day care, senior center, hospital, or similar residential exposure settings.

Amendment or Withdrawal of Maintenance Plan

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

Contact Information
July 2019

Current Site Owner and Operator:
Adam Bachand
722 Tower Avenue
Superior, WI 54880
(715) 394-6637

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

Consultant:
METCO
Jason Powell
709 Gillette Street, Suite 3
La Crosse, WI 54603
(608) 781-8879

WDNR:
Chris Saari
2501 Golf Course Road
Ashland, WI 54806
(715) 685-2920

D.2 LOCATION MAP (CAP)

SMITH'S UNION 76 STATION

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

SOLON SPRINGS, WISCONSIN

DRAWN BY: ED DATE: 08/27/2012
UPDATED BY: KF DATE: 07/08/2019

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

SCALE: 1 INCH = 25 FEET
0 25

- OVERHEAD LINES
- BURIED ELECTRIC
- TELEPHONE LINE
- NATURAL GAS
- SANITARY SEWER
- PROPERTY LINE

- MONITORING WELL LOCATION
- MONITORING WELL LOCATION (MISSING/DESTROYED)
- GEOPROBE BORING LOCATION
- SOIL BORING LOCATION (TWIN CITY TESTING - 1990)
- SUB SLAB VAPOR SAMPLING LOCATION
- POTABLE WELL LOCATION

= AREA OF CAP TO BE MAINTAINED

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

PAL

ES

ESTIMATED EXTENT OF UNSATURATED SOIL CONTAMINATION EXCEEDING THE NR720 GROUNDWATER RCL VALUES.

AREA OF CAP TO BE MAINTAINED

RESIDENTIAL (COULD NOT LOCATE A PRIVATE WELL)

ALLEY

GRASS

COMMERCIAL PROPERTY
11423 S BUSINESS HIGHWAY 53

SS-04

REMOVED 1,000 GALLON FUEL OIL UST

ASPHALT

SB-1

RETAINING WALL

SS-03

FORMER SMITH'S UNION 76
11427 S BUSINESS HIGHWAY 53

SS-02

SS-01

APPROXIMATE LOCATION OF REMOVED GASOLINE UST'S

CONCRETE

G-1

G-2

G-8

SB-2

G-9

G-6

G-4

MW-2

(G-3)

MW-3

(G-5)

G-7

MW-1

SB-3

SB-4

G-10

HUGHES AVENUE

S BUSINESS HIGHWAY 53 (MAIN STREET)

CANADIAN NATIONAL RAILWAY

MW-6

MW-5

MW-4

MW-7

MW-8

RAILROAD STREET

DOUGLAS COUNTY FORESTRY BUILDING
9182 E HUGHES AVENUE

BOX CULVERT

BOX CULVERT

PARK CREEK

CULVERT

CULVERT

CULVERT

STEEP BANK ~10-12 FEET LOWER THAN ROADWAY

STEEP BANK ~7-8 FEET LOWER THAN ROADWAY

STEEP BANK ~6-7 FEET LOWER THAN ROADWAY

STEEP BANK ~10-12 FEET

FIBER OPTIC LINE

CREEK

STEEP BANK ~10-12 FEET

A

A'

Attachment E/Monitoring Well Information

On February 19, 2020, attempted to locate three missing monitoring wells (MW-4, MW-7, and MW-9). Monitoring wells MW-4, and MW-9 were located, however MW-7 could not be located and was most likely destroyed by a snowplow/road grader.

All wells have been located except for MW-7, which is missing/destroyed. The well construction form and development form for the missing well is attached. The located wells will be properly abandoned upon WDNR granting closure to the site.

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☐

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 7-98

Facility/Project Name: Smith's Union 76

Facility License, Permit or Monitoring No.:

Facility ID:

Type of Well — Well Code ____ / ____

Distance from Waste/Source ____ ft. | Enf. Stds. Apply ☐

Local Grid Location of Well ____ ft. ☐N. ☐S. ____ ft. ☐E. ☐W.

Local Grid Origin ☐ (estimated: ☐) or Well Location ☐
Lat. ° ' " Long. ° ' " or

St. Plane ____ ft. N, ____ ft. E. S/C/N

Section Location of Waste/Source
1/4 of ____ 1/4 of Sec. ____ T. ____ N, R. ____ ☐E ☐W

Location of Well Relative to Waste/Source
u ☐ Upgradient s ☐ Sidegradient
d ☐ Downgradient n ☐ Not Known

Gov. Lot Number:

Well Name: MW-7

Wis. Unique Well No.: VN065 | DNR Well ID No.:

Date Well Installed: 9/25/2013 (m m d d y y y y)

Well Installed By: Name (first, last) and Firm
Todd J. Knuckey
Range Environmental Drilling

A. Protective pipe, top elevation ____ ft. MSL

B. Well casing, top elevation ____ ft. MSL

C. Land surface elevation 0 ft. MSL

D. Surface seal, bottom 0.50 ft. MSL or ____ ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☒ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50
Hollow Stem Auger ☐ 41
Other ☐

15. Drilling fluid used: Water ☐ 02 Air ☐ 01
Drilling Mud ☐ 03 None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No
Describe ____

17. Source of water (attach analysis, if required):

E. Bentonite seal, top 1 ft. MSL or ____ ft.

F. Fine sand, top 4 ft. MSL or ____ ft.

G. Filter pack, top 5 ft. MSL or ____ ft.

H. Screen joint, top 6 ft. MSL or ____ ft.

I. Well bottom 16 ft. MSL or ____ ft.

J. Filter pack, bottom 16 ft. MSL or ____ ft.

K. Borehole, bottom 16 ft. MSL or ____ ft.

L. Borehole, diameter 8.25 in.

M. O.D. well casing 2 in.

N. I.D. well casing 1.90 in.

1. Cap and lock? ☒ Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: ____ in.
b. Length: ____ ft.
c. Material: Steel ☐ 04
At-Grade Other ☒
d. Additional protection? ☐ Yes ☒ No
If yes, describe: ____

3. Surface seal: Bentonite ☒ 30
Concrete ☐ 01
Other ☐

4. Material between well casing and protective pipe:
Bentonite ☐ 30
Other ☐

5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. ____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. ____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. ____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. ____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01
Tremie pumped ☐ 02
Gravity ☐ 08

6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐1/4 in. ☒3/8 in. ☐1/2 in. Bentonite chips ☒ 32
c. ____ Other ☐

7. Fine sand material: Manufacturer, product name & mesh size
a. Red Flint 30
b. Volume added 1 Bag

8. Filter pack material: Manufacturer, product name & mesh size
a. Red Flint #5-55
b. Volume added 10 Bags

9. Well casing: Flush threaded PVC schedule 40 ☒ 23
Flush threaded PVC schedule 80 ☐ 24
Other ☐

10. Screen material: PVC
a. Screen type: Factory cut ☒ 11
Continuous slot ☐ 01
Other ☐
b. Manufacturer Buffalo
c. Slot size: 0.10 in.
d. Slotted length: 10 ft.

11. Backfill material (below filter pack): None ☒ 14
Other ☐

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Todd J. Knuckey | Firm: Range Environmental Drilling

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

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

Facility/Project Name	County Name	Well Name
Smith's Union 76	DOUGLAS	MW-7
Facility License, Permit or Monitoring Number	**County Code**	**Wis. Unique Well Number** / **DNR Well ID Number**
	16	VN065 /

1. Can this well be purged dry? ☐ Yes X No

2. Well development method

surged with bailer and bailed	☐	41
surged with bailer and pumped	[X]	61
surged with block and bailed	☐	42
surged with block and pumped	☐	62
surged with block, bailed and pumped	☐	70
compressed air	☐	20
bailed only	☐	10
pumped only	☐	51
pumped slowly	☐	50
Other _____	☐	

3. Time spent developing well 55 min.

4. Depth of well (from top of well casisng) 16 ft.

5. Inside diameter of well 2 in.

6. Volume of water in filter pack and well casing 6.3 gal.

7. Volume of water removed from well 60 gal.

8. Volume of water added (if any) ____ gal.

9. Source of water added _____

10. Analysis performed on water added? (If yes, attach results) ☐ Yes ☐ No

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 10.25 ft.	10.45 ft.
Date	b. 09 / 25 / 2013 (m m / d d / y y y y)	9/ 25/ 2013
Time	c. 12 : 35 ☐ a.m. X p.m.	01 : 30 ☐ a.m. [X] p.m.
12. Sediment in well bottom	6 inches	____ inches
13. Water clarity	Clear ☐ 10 Turbid [X] 15 (Describe) Brown	Clear [X] 20 Turbid ☐ 25 (Describe) Clear
	High Turbidity	Low Turbidity
14. Total suspended solids	____ mg/l	____ mg/l
15. COD	____ mg/l	____ mg/l

Fill in if drilling fluids were used and well is at solid waste facility:

16. Well developed by: Name (first, last) and Firm
First Name: Eric Last Name: Dahl
Firm: METCO

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party
First Name: Adam Last Name: Bachand
Facility/Firm: Bachand Realty
Street: 1406 Belknap Street
City/State/Zip: Superior WI 54880-

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: [signature]
Print Name: Eric Dahl
Firm: METCO

NOTE: See instructions for more information including a list of county codes and well type codes

Attachment F/Source Legal Documents

F.1 Deed

F.2 Certified Survey Map

F.3 Verification of Zoning

F.4 Signed Statement

F.1 DEED

816413

Document Number

STATE BAR OF WISCONSIN FORM 1 - 1998
WARRANTY DEED

DOCUMENT # 816413

Certified, Filed and or Recorded on
May 12, 2008 AT 09:05AM
GAYLE I. WAHNER
DOUGLAS COUNTY RECORDER
SUPERIOR, WI 54880-2769
Fee Amount: $11.00
Transfer Fee: $81.00

Recording Area

Name and Return Address

NLTC 11 ck

This Deed, made between Loretta Smith, Grantor,
and Bachand Estates, LLP, Grantee.

Grantor, for a valuable consideration, conveys to Grantee the following described real estate in Douglas County, State of Wisconsin (the "Property"):

Lot Eight (8), Block One (1), Charles Lord's Addition to White Birch, in the Village of Solon Springs, Douglas County, Wisconsin.

SS-181-00505-00
Parcel Identification Number (PIN)

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

Together with all appurtenant rights, title and interests.

Grantor warrants that the title to the Property is good, indefeasible in fee simple and free and clear of encumbrances except zoning ordinances, easements and restrictions of record.

Dated this 9th day of May, 2008.

Loretta Smith (SEAL)

* Loretta Smith

(SEAL)

*

(SEAL)

*

AUTHENTICATION

Signature(s)

authenticated this _____ day of _____, _____

*

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

THIS INSTRUMENT WAS DRAFTED BY

Kathryn zumBrunnen, Attorney at Law

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

ACKNOWLEDGMENT

State of Wisconsin,
Douglas County. } ss.

Personally came before me this 9th day of May, 2008 the above named Loretta Smith

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

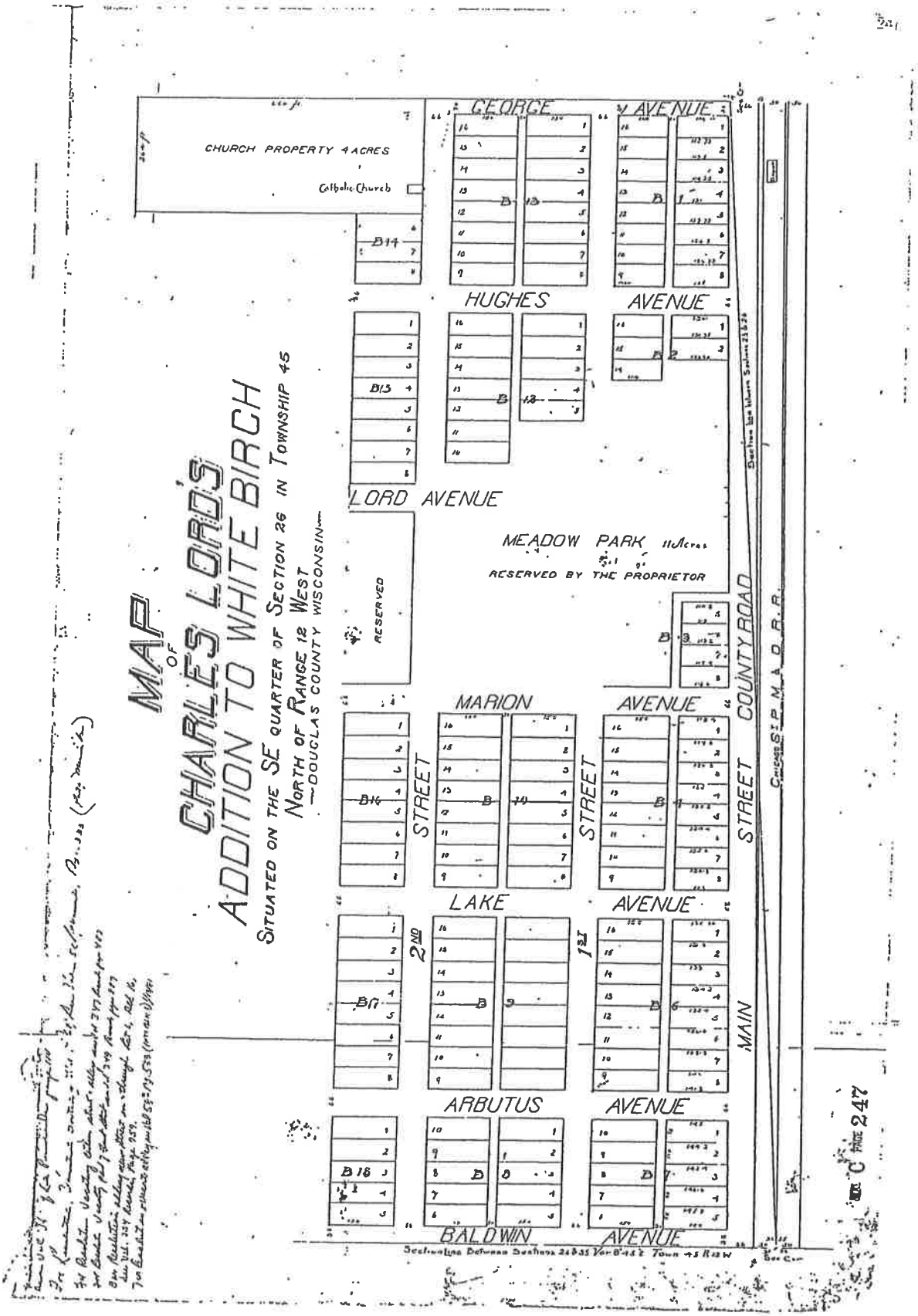
Wendy L. Hurst

*

Notary Public, State of Wisconsin
My commission is permanent. (If not, state expiration date: 3-13-2011.)

* Names of persons signing in any capacity must be typed or printed below their signature.

F. 2. Certified Survey Map



F. 2. Certified Survey Map

State of Wisconsin }
Douglas County } ss

I hereby certify that I have surveyed under the direction of Charles Lord Sr. the owner of, that portion of the E ½ of S E ¼ of Section Twenty Six (26) in Township Forty-four (44) North, of Range Fourteen (14) West, in Douglas County, Wisconsin, as represented by this plat, laying out the Streets and Avenues Sixty-six feet wide at right angles and parallel to the [illegible] line of the Section, and making the full blocks 400 feet long by 250 feet wide East and West. The full blocks are divided into Sixteen lots each 50 feet by 100 feet. The length of the irregular lots fronting on Main Street, and on the West [illegible] of Block 1 & 2, are marked on the plat. Wrought Iron bars one inch square were driven at the corners of the blocks on the East side of First Street as follows: S.W. cor. of block 7, S.W. cor. of block 6; the S.W. cor of block 1 & — at the N.W. cor of block 1 [illegible] cor of block 1 is 50 feet South of the Quarter Section cor between Sections 25 & 26. The [illegible] cor of block 7 is 72 feet North of Section line & is 116 feet West of the cor of Sections 25-26-35 & 36. Scale 100 feet to one inch. Variation of the needle 8° 30' East. This is a correct map drawn from the field notes of Survey made in full compliance with the laws of Wisconsin, in such cases made and provided.

Superior, Wis May 2nd 1890

George R. Stuntz
Surveyor

State of Wisconsin }
Douglas County } ss

I hereby certify that I have caused the lands described in the foregoing certificate of George R. Stuntz, Surveyor, to be surveyed and mapped as represented on the within map.

Superior Wis. May 2nd 1890

Charles Lord (Seal)
Catharine Lord (Seal)
her mark

Geo R. Hughes Geo. R. Hughes	As to Charles Lord Sr Witness
M. A. George [illegible]	As to Catharine Lord Witness

State of Wisconsin
Douglas County

Be it remembered, That on this 2nd day of May A.D. 1890 before me personally appeared Charles Lord Sr. to me known to be the person who executed the foregoing instrument and acknowledged that he executed the same as his free act and deed for the uses and purposes therein set forth.

Geo R. Hughes
Notary Public
Douglas Co. Wis
(Notarial Seal)

State of Wisconsin }
Douglas County } ss

Be it remembered, that on this 2nd day of May A.D. 1890 before me personally appeared Catharine Lord wife of Charles Lord Sr. to me known to be the person who executed the foregoing instrument, and acknowledged that she executed the same as her free act and deed for the uses and purposes therein set forth.

M. A. George
Notary Public
Douglas Co. Wis
(Notarial Seal)

No [illegible]

Office of Register of Deeds }
Douglas County Wisconsin } ss

I hereby certify that the within instrument was filed in this office for record on the 5th day of May A.D. 1890 at 9.30 o'clock A.M. and was duly recorded in Book C of Plats Pages 247 & 249

E. C. Kennedy
Register of Deeds
By H. C. Hull
Deputy

F.3. Verification of Zoning

Parcel #: SS-181-00505-00

Valid as of 11/03/2016 02:15 PM

Alt. Parcel #:

VILLAGE OF SOLON SPRINGS
DOUGLAS COUNTY,
WISCONSIN

Owner and Mailing Address:

BACHAND ESTATES LLP
B-8 ASPEN COURT
SUPERIOR WI 54880

Co-Owner(s):

Physical Property Address(es):

* 11427 S BUSINESS 53

Districts:

Dist#	Description
16	DOUGLAS COUNTY
5397	SOLON SPRGS SCHOOL DIST
1700	WITC (VTAE)

Parcel History:

Date	Doc #	Vol/Page	Type
05/12/2008	816411	/	TDI
05/12/2008	816413	/	WD
05/12/2008	816412	/	QCD
	705715	/	

more...

Legal Description: **Acres:** 0.000

LOT 8, BLK 1, CHARLES LORD'S ADD TO WHITE BIRCH 26-45-12

Plat	Tract (S-T-R 40¼ 160¼ GL)	Block/Condo Bldg
* 1030-CHARLES LORD'S ADDITION TO WHITE BIRCH	26-45N-12W SE	1 LOT 8

2016 Valuations:

Values Last Changed on 07/21/2015

Class and Description	Acres	Land	Improvement	Total
G2-COMMERCIAL	0.143	6,200.00	38,800.00	45,000.00
Totals for 2016				
General Property	0.143	6,200.00	38,800.00	45,000.00
Woodland	0.000	0.00	0.00	0.00
Totals for 2015				
General Property	0.143	6,200.00	38,800.00	45,000.00
Woodland	0.000	0.00	0.00	0.00

2016 Taxes

Taxes have not yet been calculated.

Key

* - Primary

F.4. Signed Statement

WDNR BRRTS Case #: 03-16-000069

WDNR Site Name: Smith's Union 76

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:

Adam Bachand President Bachand Estates LLP
(print name/title)

7/8/2019
(signature) (date)

Attachment G/Notifications to Owners of Affected Properties

G.A Notification to the Village of Solon Springs for residual soil and groundwater contamination located in the ROW of Hughes Avenue and Main Street.

G.B Notification to Canadian National Railway for residual groundwater contamination located in Railroad Right of Way.

G.C Notification to DOT for residual soil and groundwater contamination located in the ROW of S Business Hwy 53.

G.2 Certified Survey Map

G.3 Verification of Zoning

G.4 Signed Statement

6.A.

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: Bachand Group

Contact Person Last Name	First	MI	Phone Number (include area code)
Bachand	Adam		(715) 394-6637

Address	City	State	ZIP Code
722 Tower Ave	Superior	WI	54800

E-mail: adam@bachandgroup.com

Name of Party Receiving Notification:

Business Name, if applicable: Village of Solon Springs

Title	Last Name	First	MI	Phone Number (include area code)
Ms.	Burger	Kathy		(715) 378-2235

Address	City	State	ZIP Code
P.O. Box 273 11523 S Business Hwy 53	Solon Springs	WI	54873

Site Name and Source Property Information:

Site (Activity) Name: Smith's Union 76 (Former)

Address	City	State	ZIP Code
11427 S Business Hwy 53	Solon Springs	WI	54873

DNR ID # (BRRTS#)	(DATCP) ID #
03-16-000069	

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)
Anderson	Ronald	J	(608) 781-8879

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

E-mail: rona@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
2501 Golf Course Rd	Ashland	WI	54806

Contact Person Last Name	First	MI	Phone Number (include area code)
Saari	Chris		(715) 685-2920

E-mail (Firstname.Lastname@wisconsin.gov): chris.saari@wisconsin.gov

G.A.

Notification of Continuing Obligations
and Residual Contamination
Form 4400-286 (9/15)

Section B: ROW Notification: Residual Contamination and/or Continuing Obligations - Non-DOT ROWs

KEEP THIS DOCUMENT WITH YOUR PROPERTY RECORDS

P.O. Box 273 11523 S Business Hwy 53
Solon Springs, WI, 54873

Dear Ms. Burger:

I am providing this notification to inform you of the location and extent of contamination remaining in a right-of-way for which you are responsible, and of certain long-term responsibilities (continuing obligations) for which village of Solon Springs may become responsible. I investigated a release of: petroleum
on 11427 S Business Hwy 53, Solon Springs, WI, 54873 that has shown that contamination remains in the right-of-way for which village of Solon Springs is responsible.
I have responded to the release, and will be requesting that the Department of Natural Resources (DNR) grant case closure. Closure means that the DNR will not be requiring any further investigation or cleanup action to be taken. However, continuing obligations may be imposed as a condition of closure approval.

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

The DNR will not review my closure request for at least 30 days after the date of this letter. As an affected right-of-way holder, you have a right to contact the DNR to provide any technical information that you may have that indicates that closure should not be granted for this site. If you would like to submit any information to the DNR that is relevant to this closure request, you should mail that information to the DNRcontact: 2501 Golf Course Rd, Ashland, WI, 54806, or at chris.saari@wisconsin.gov.

Residual Contamination:

Groundwater Contamination:
Groundwater contamination originated at the property located at: 11427 S Business Hwy 53, Solon Springs, WI, 54873 .
The levels of
Benzene, Ethylbenzene, Naphthalene, Toluene, Trimethylbenzenes, and Xylene.
contamination in the groundwater on your property are above the state groundwater enforcement standards found in ch. NR 140, Wis. Adm. Code.

Soil Contamination:
Soil contamination remains at:
ROW of Hughes Avenue and Main Street.
The remaining contaminants include :
Lead, Benzene, Ethylbenzene, Naphthalene, Toluene, Trimethylbenzenes, and Xylene
at levels which exceed the soil standards found in ch. NR 720, Wis. Adm. Code. The following steps have been taken to address any exposure to the remaining soil contamination.
Natural Attenuation.

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

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

G.A.

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

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

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

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

GIS Registry and Well Construction Requirements:

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

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

If you have any questions regarding this notification, I can be reached at: (608) 781-8879
jasonp@metcohq.com

Signature of responsible party/environmental consultant for the responsible party	Date Signed
Ronald S. [illegible]	7/10/19

Attachments
Contact Information
Legal Description for each Parcel:

G.A.

3.2.b. RESIDUAL SOIL CONTAMINATION

SMITH'S UNION 76 STATION

FCO — 999 Gillette Street, Suite 2, La Crosse, WI 54603, Tel: (608) 781-8879, Fax: (608) 781-8631 — SOLON SPRINGS, WISCONSIN

DRAWN BY: KD — DATED: 04/27/2016

UPDATED BY: RF — DATED: 07/04/2016

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

- MONITORING WELL LOCATION
- MONITORING WELL LOCATION (OPEN SOLON SPRINGS INVESTIGATION LUST SITE)
- GEOPROBE BORING LOCATION
- SOIL BORING LOCATION (TWIN CITY TESTING - 1990)
- SUB SLAB VAPOR SAMPLING LOCATION
- POTABLE WELL LOCATION

- OVERHEAD LINES
- BURIED ELECTRIC
- TELEPHONE LINE
- NATURAL GAS
- SANITARY SEWER
- PROPERTY LINE

SCALE: 1 INCH = 50 FEET (0, 25, 50)

(NO PRIVATE WELL)
VACANT LOT
1419 S BUSINESS HIGHWAY 53
BEDNAR OIL
CLOSED LUST SITE
BRRTS# 03-16-000195

(COULD NOT LOCATE A PRIVATE WELL)

RESIDENTIAL

GRASS

COMMERCIAL PROPERTY
1423-S BUSINESS HIGHWAY 53

REMOVED 1,000 GALLON FUEL OIL UST

ASPHALT

RETAINING WALL

FORMER SMITH'S UNION 76
1427 S BUSINESS HIGHWAY 53

APPROXIMATE LOCATION OF FORMER PUMP ISLAND

CONCRETE

APPROXIMATE LOCATION OF REMOVED GASOLINE USTS

ALLEY

HUGHES AVENUE

S BUSINESS HIGHWAY 53 (MAIN STREET)

CANADIAN NATIONAL RAILWAY

RAILROAD STREET

MW-6

MW-5

G-2, G-8, SB-2, G-9, MW-2, (G-3), G-6, G-4, MW-3, (G-5), SB-3, G-10

ESTIMATED EXTENT OF UNSATURATED SOIL CONTAMINATION EXCEEDING THE NR720 GROUNDWATER RCL VALUES.

DOUGLAS COUNTY FORESTRY BUILDING
9102 E HUGHES AVENUE

BOX CULVERT

PARK CREEK

CULVERT

CULVERT

CULVERT

BOX CULVERT

PRIVATE PROPERTY

ATV/SNOWMOBILE TRAIL

WALKING TRAIL
ASPHALT

FIBER OPTIC LINE

STEEP BANK 10-12 FEET LOWER THAN ROADWAY

STEEP BANK 7-9 FEET LOWER THAN ROADWAY

CREEK

STEEP BANK 7-9 FEET LOWER THAN ROADWAY

STEEP BANK 10-12 FEET

FIBER OPTIC LINE

CREEK

STEEP BANK 10-12 FEET

6.A.

3.b. GROUNDWATER SOCONCENTRATION

SMITH'S UNION 76 STATION

SOLON SPRINGS, WISCONSIN

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

- MONITORING WELL LOCATION
- MONITORING WELL LOCATION (OPEN SOLON SPRINGS INVESTIGATION LUST SITE)
- GEOPROBE BORING LOCATION
- SOIL BORING LOCATION (TWIN CITY TESTING - 1990)
- SUB SLAB VAPOR SAMPLING LOCATION
- POTABLE WELL LOCATION

- OVERHEAD LINES
- BURIED ELECTRIC
- TELEPHONE LINE
- NATURAL GAS
- SANITARY SEWER
- PROPERTY LINE

SCALE: 1 INCH = 50 FEET

(NO PRIVATE WELL)
VACANT LOT
1419 S BUSINESS HIGHWAY 53
BEDNAR OIL
CLOSED LUST SITE
BRRTS# 03-16-000195

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

PRIVATE PROPERTY

ATV/SNOWMOBILE TRAIL

WALKING TRAIL ASPHALT

CREEK

PARK CREEK

S BUSINESS HIGHWAY 53 (MAIN STREET)

CANADIAN NATIONAL RAILWAY

RAILROAD STREET

ES

PAL

HUGHES AVENUE

ALLEY

COMMERCIAL PROPERTY 1421-S BUSINESS HIGHWAY 53

FORMER SMITH'S UNION 76 1427 S BUSINESS HIGHWAY 53

REMOVED 1,000 GALLON FUEL OIL UST

REMOVED GASOLINE UST'S

APPROXIMATE LOCATION OF WATER PUMP ISLAND

RETAINING WALL

CONCRETE

GRASS

ASPHALT

DOUGLAS COUNTY FORESTRY BUILDING 9152 E HUGHES AVENUE

BOX CULVERT

CULVERT

STEEP BANK ~10-12 FEET

STEEP BANK ~7-8 FEET LOWER THAN ROADWAY

STEEP BANK ~6-7 FEET LOWER THAN ROADWAY

STEEP BANK ~10-12 FEET LOWER THAN ROADWAY

STEEP BANK ~10-12 FEET

FIBER OPTIC LINE

CN-MW-9
CN-MW-10
CN-MW-8
CN-PZ-1
CN-MW-7
CN-MW-6
MW-10
MW-9
MW-8
MW-7
MW-6
MW-5
MW-4
MW-3 (G-5)
MW-2 (G-3)
MW-1
SB-1
SB-2
SB-3
SB-4
SS-01
SS-02
SS-03
SS-04
G-1
G-2
G-3
G-4
G-6
G-7
G-8
G-9
G-10

6.A.

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

Village of Solon Springs
Kathy Burger
P.O. Box 273
Solon Springs, WI 54873

9590 9403 0958 5223 6284 25

7015 1660 0000 4342 8926

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X Cheryl Stensland ☐ Agent ☐ Addressee

B. Received by (Printed Name) Cheryl Stensland
C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

SOLON SPRINGS WI
JUL 17 2019
USPS 54873

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☒ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ t on Delivery Restricted Delivery
☐ d Mail
☐ d Mail Restricted Delivery
(over $500)

☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Return Receipt for Merchandise
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery

PS Form 3811, July 2015 PSN 7530-02-000-9053 Domestic Return Receipt

6.B.

Notification of Continuing Obligations and Residual Contamination
Form 4400-286 (9/15) C. I. Page

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: Bachand Group

Contact Person Last Name	First	MI	Phone Number (include area code)
Bachand	Adam		(715) 394-6637

Address	City	State	ZIP Code
722 Tower Ave	Superior	WI	54800

E-mail: adam@bachandgroup.com

Name of Party Receiving Notification:

Business Name, if applicable: Canadian National Railway

Title	Last Name	First	MI	Phone Number (include area code)
Mr.	Sprinkle	Devin		(708) 332-3850

Address	City	State	ZIP Code
17641 S. Ashland Avenue	Homewood	IL	60430

Site Name and Source Property Information:

Site (Activity) Name: Smith's Union 76 (Former)

Address	City	State	ZIP Code
11427 S Business Hwy 53	Solon Springs	WI	54873

DNR ID # (BRRTS#)	(DATCP) ID #
03-16-000069	

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)
Anderson	Ronald	J	(608) 781-8879

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

E-mail: rona@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
2501 Golf Course Rd	Ashland	WI	54806

Contact Person Last Name	First	MI	Phone Number (include area code)
Saari	Chris		(715) 685-2920

E-mail (Firstname.Lastname@wisconsin.gov): chris.saari@wisconsin.gov

G.B

Notification of Continuing Obligations and Residual Contamination
Form 4400-286 (9/15)

Section B: ROW Notification: Residual Contamination and/or Continuing Obligations - Non-DOT ROWs

KEEP THIS DOCUMENT WITH YOUR PROPERTY RECORDS

17641 S. Ashland Avenue
Homewood, IL, 60430

Dear Mr. Sprinkle:

I am providing this notification to inform you of the location and extent of contamination remaining in a right-of-way for which you are responsible, and of certain long-term responsibilities (continuing obligations) for which railroad of Canadian National may become responsible. I investigated a release of: petroleum on 11427 S Business Hwy 53, Solon Springs, WI, 54873 that has shown that contamination has migrated into the right-of-way for which railroad of Canadian National is responsible. I have responded to the release, and will be requesting that the Department of Natural Resources (DNR) grant case closure. Closure means that the DNR will not be requiring any further investigation or cleanup action to be taken. However, continuing obligations may be imposed as a condition of closure approval.

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

The DNR will not review my closure request for at least 30 days after the date of this letter. As an affected right-of-way holder, you have a right to contact the DNR to provide any technical information that you may have that indicates that closure should not be granted for this site. If you would like to submit any information to the DNR that is relevant to this closure request, you should mail that information to the DNRcontact: 2501 Golf Course Rd, Ashland, WI, 54806, or at chris.saari@wisconsin.gov.

Residual Contamination:

Groundwater Contamination:

Groundwater contamination originated at the property located at: 11427 S Business Hwy 53, Solon Springs, WI, 54873 .

Contaminated groundwater has migrated onto your property at:
Railroad Right of Way

The levels of
Benzene, Ethylbenzene, Naphthalene, Toluene, Trimethylbenzenes, and Xylene.
contamination in the groundwater on your property are above the state groundwater enforcement standards found in ch. NR 140, Wis. Adm. Code.

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

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

GIS Registry and Well Construction Requirements:

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

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

G.B

If you have any questions regarding this notification, I can be reached at: (608) 781-8879
jasonp@metcohq.com

Signature of responsible party/environmental consultant for the responsible party	Date Signed
Kurt J. Pohl	7/10/19

Attachments

Contact Information

Legal Description for each Parcel:

6.B.

3.b. GROUNDWATER EXCEEDING NR140 ES AND/OR PAL CONCENTRATION

SMITH'S UNION 76 STATION

SOLON SPRINGS, WISCONSIN

NOTE: INFORMATION BASED ON AVAILABLE DATA ACTUAL CONDITIONS MAY DIFFER

- MONITORING WELL LOCATION
- MONITORING WELL LOCATION (OPEN SOLON SPRINGS INVESTIGATION LUST SITE)
- GEOPROBE BORING LOCATION
- SOIL BORING LOCATION (TWIN CITY TESTING - 1990)
- SUB SLAB VAPOR SAMPLING LOCATION
- POTABLE WELL LOCATION

- OVERHEAD LINES
- BURIED ELECTRIC
- TELEPHONE LINE
- NATURAL GAS
- SANITARY SEWER
- PROPERTY LINE

SCALE: 1 INCH = 50 FEET (0, 25, 50)

(NO PRIVATE WELL)
VACANT LOT
1419 S BUSINESS HIGHWAY 53
BEDNAR OIL
CLOSED LUST SITE
BRRTS# 03-16-000195

COMMERCIAL PROPERTY
1423 S BUSINESS HIGHWAY 53

FORMER SMITHS UNION 76
1427 S BUSINESS HIGHWAY 53

REMOVED 1,000 GALLON FUEL OIL UST

APPROXIMATE LOCATION OF REMOVED GASOLINE USTS

APPROXIMATE LOCATION OF FORMER PUMP ISLAND

DOUGLAS COUNTY FORESTRY BUILDING
9162 E HUGHES AVENUE

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

ES

PAL

PRIVATE PROPERTY

ATV/SNOWMOBILE TRAIL

WALKING TRAIL
ASPHALT

CREEK

PARK CREEK

CANADIAN NATIONAL RAILWAY

RAILROAD STREET

S BUSINESS HIGHWAY 53 (MAIN STREET)

HUGHES AVENUE

ALLEY

RESIDENTIAL

FIBER OPTIC LINE

STEEP BANK, 10-12 FEET

STEEP BANK, 7-9 FEET LOWER THAN ROADWAY

STEEP BANK, 10-12 FEET LOWER THAN ROADWAY

STEEP BANK, 7-9 FEET LOWER THAN ROADWAY

BOX CULVERT

CULVERT

CULVERT

CULVERT

CN-MW-9

CN-MW-10

CN-MW-8

CN-PZ-1

CN-MW-7

CN-MW-6

MW-1 MW-2 MW-3 MW-4 MW-5 MW-6 MW-7 MW-8 MW-9 MW-10

SB-1 SB-2 SB-3 SB-4

G-1 G-2 G-3 G-4 G-5 G-6 G-7 G-8 G-9 G-10

SS-01 SS-02 SS-03 SS-04

G.B.

SENDER: *COMPLETE THIS SECTION*

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

Canadian National Railway
Devin Sprinkle
17641 S. Ashland Avenue
Homewood, IL 60430

9590 9403 0958 5223 6284 18

2. Article Number (Transfer from service label)
7015 1660 0000 4342 8919

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X Juan Campos ☒ Agent ☐ Addressee

B. Received by (Printed Name) Juan Campos

C. Date of Delivery 7-16-19

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
- ☐ Adult Signature
- ☐ Adult Signature Restricted Delivery
- ☒ Certified Mail®
- ☐ Certified Mail Restricted Delivery
- ☐ Collect on Delivery
- ☐ Collect on Delivery Restricted Delivery
- ☐ Insured Mail
- ☐ Insured Mail Restricted Delivery (over $500)
- ☐ Priority Mail Express®
- ☐ Registered Mail™
- ☐ Registered Mail Restricted Delivery
- ☐ Return Receipt for Merchandise
- ☐ Signature Confirmation™
- ☐ Signature Confirmation Restricted Delivery

PS Form 3811, July 2015 PSN 7530-02-000-9053 Domestic Return Receipt

G.C.

Notification of Continuing Obligations and Residual Contamination
Form 4400-286 (9/15)

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: Smith's Union 76 (Former)

County: Douglas	Highway: S Business Highway 53		
Address: 1427 S Business Highway 53	City: Solon Springs	State: WI	ZIP Code: 54873
BRRTS Number: 03-16-000069	PECFA Number: 54-87-3005711	FID Number: 816029940	

Owner Information

Last Name: Bachand	First: Adam	MI	
Address: 722 Tower Ave	City: Superior	State: WI	ZIP Code: 54880

Consultant Information

Consulting Firm: METCO

Consultant Contact: Last Name: Anderson	First: Ronald	MI: J	
Address: 709 Gillette Street Suite 3	City: La Crosse	State: WI	ZIP Code: 54603
Phone Number: (608) 781-8879	Fax Number: (608) 781-8893		

E-mail: rona@metcohq.com

Contamination Information

Soil contamination? ◉ Yes ○ No

Depth to contaminated soil:
8 feet bgs

Vertical extent of contaminated soil: (from _____ feet to _____ feet below ground surface)
8 to 16 feet below ground surface

Groundwater contamination? ◉ Yes ○ No

Depth to water table:
13.56 ft bgs to 16.57 ft bgs.

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

Brief summary of cleanup activity:
Natural Attenuation

Checklist of Documents to Submit

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

Kaylin Felix G.C.

From: DOT Hazmat Unit <DOTHazmatUnit@dot.wi.gov>
Sent: Tuesday, July 09, 2019 4:23 PM
To: Kaylin Felix; DOT Hazmat Unit
Subject: RE: Notification of Contamination

Thank you Kaylin, I've received the notification for the Former Smith's Union 76 on Business 53 in Solon Springs, BRRTS # 03-16-000069. Please keep a copy of this email for your records.

Sharlene Te Beest
Hazardous Materials Specialist
WI Dept of Transportation
Bureau of Technical Services, Environmental Services Section

Phone 608-266-1476; Cell 608-381-4789
Street Address:
4822 Madison Yards Way
Room 5 South S513.12
Madison, WI 53705

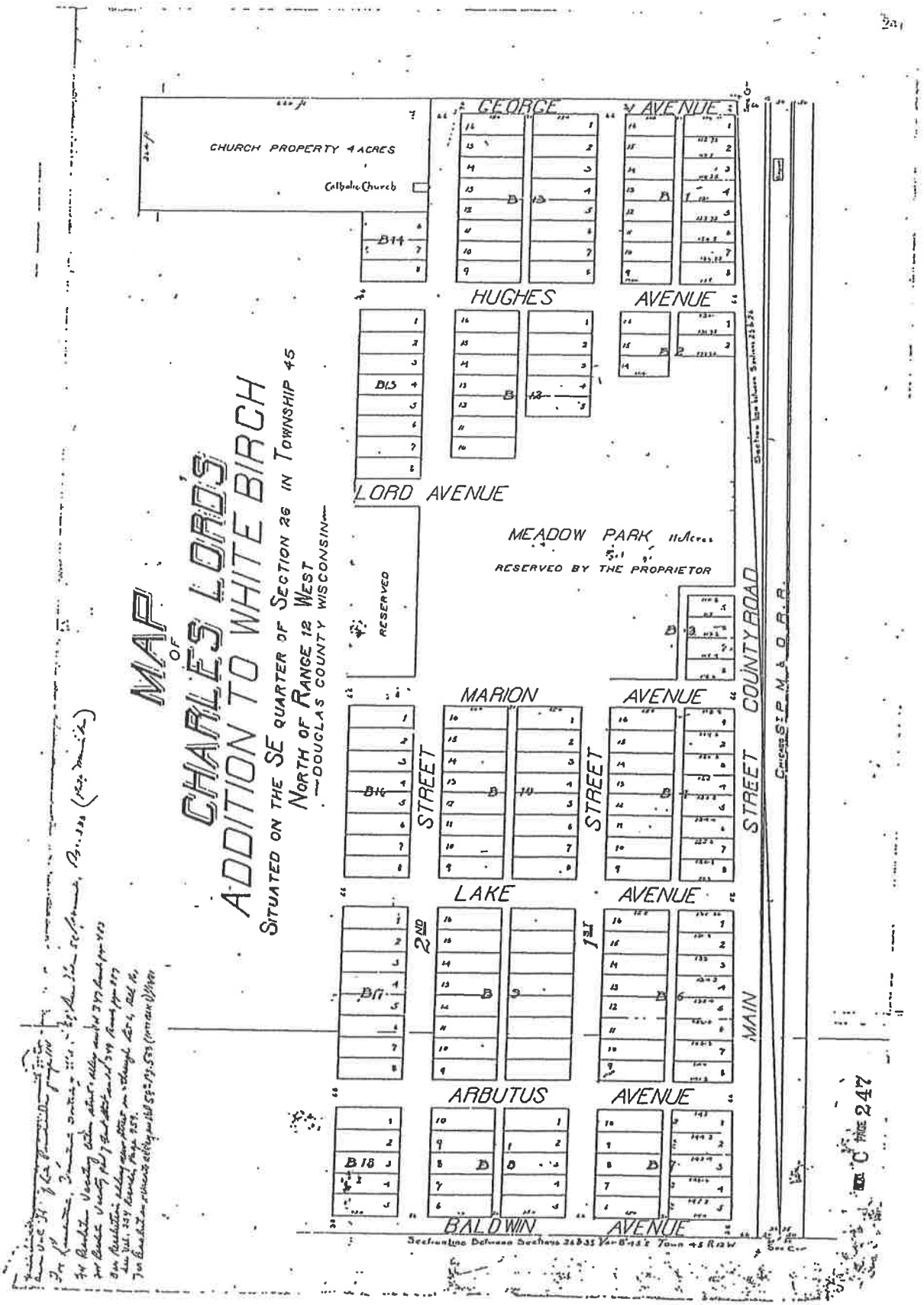
Mailing Address:
PO Box 7965
Room 5 South S513.12
Madison, WI 53707-7965

-----Original Message-----
From: Kaylin Felix <kaylinf@metcohq.com>
Sent: Tuesday, July 9, 2019 1:46 PM
To: DOT Hazmat Unit <DOTHazmatUnit@dot.wi.gov>
Subject: Notification of Contamination

Notification of Contamination

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

G. 2. Certified Survey Map



G. 2. Certified Survey Map

State of Wisconsin }
Douglas County } ss

I hereby certify that I have surveyed under the direction of Charles Lord Sr. the owner of, that portion of the E ½ of S E ¼ of Section Twenty Six (26) in Township Forty five (45) North, of Range Sixteen (16) West, in Douglas County, Wisconsin as represented by this plat, laying out the Streets and Avenues Sixty-six feet wide at right angles and parallel to the [illegible] line of the Section, and making the full blocks 400 feet long by 250 feet wide East and West. The full blocks are divided into Sixteen Lots each 50 feet by 150 feet. The length of the irregular lots fronting on Main Street, and on the West Lots of Blocks 1 & 2, are marked on the plat. Wrought Iron bars one inch square were driven at the corners of the blocks on the East side of First Street as follows: S.W. cor of block 7, S.W. cor of block 6; the S.W. cor of block 18 — at the N.W. cor of block 1. The N.E. cor of block 1 is 30 feet South of the Quarter Section cor. between Sections 25 & 26. The S.E. cor of block 7 is 73 feet North of Sec line & is 116 feet West of the cor of Sections 25-26-35 & 36. Scale 100 feet to one inch. Variation of the needle 8° 20' East. This is a correct map drawn from the field notes of Survey made in full compliance with the laws of Wisconsin in such cases made and provided.

Superior, Wis May 2nd 1890

George R. Stuntz
Surveyor

State of Wisconsin }
Douglas County } ss

I hereby certify that I have caused the lands described in the foregoing certificate of George R. Stuntz, Surveyor, to be surveyed and mapped as represented on the within map.

Superior Wis, May 2nd 1890

| Geo R. Hughes } as to Charles Lord Sr. | Witness
| Geo R. Hughes } Witness
{ H. H. George } as to Catherine Lord
{ [illegible] } Witness

Charles Lord { Seal }
her
Catherine Y Lord { Seal }
mark

State of Wisconsin
Douglas County

Be it Known, That on this 2nd day of May A.D. 1890 before me personally appeared Charles Lord Sr. to me known to be the person who executed the foregoing instrument and acknowledged that he executed the same as his free act and deed for the uses and purposes therein set forth.

Geo R. Hughes
Notary Public
Douglas Co. Wis

{ Notarial Seal }

State of Wisconsin }
Douglas County } ss

Be it Known, that on this 2nd day of May A.D. 1890 before me personally appeared Catherine Lord wife of Charles Lord Sr. to me known to be the person who executed the foregoing instrument, and acknowledged that she executed the same as her free act and deed for the uses and purposes therein set forth.

H. H. George
Notary Public
Douglas Co. Wis

{ Notarial Seal }

No [illegible] Office of Register of Deeds }
Douglas County Wisconsin } ss

I hereby certify that the within instrument was filed in this office for record on the [illegible] day of May A D 1890 at 9 30 o'clock A.M. and was duly recorded in Book C of Plats Pages 247 & 249

[illegible]
Register of Deeds
By H. S. Hull
Deputy

6.3 Verification of Zoning

Parcel #: SS-181-00505-00

Valid as of 11/03/2016 02:15 PM

Alt. Parcel #:

VILLAGE OF SOLON SPRINGS
DOUGLAS COUNTY,
WISCONSIN

Owner and Mailing Address:

BACHAND ESTATES LLP
B-8 ASPEN COURT
SUPERIOR WI 54880

Co-Owner(s):

Physical Property Address(es):

* 11427 S BUSINESS 53

Districts:

Dist#	Description
16	DOUGLAS COUNTY
5397	SOLON SPRGS SCHOOL DIST
1700	WITC (VTAE)

Parcel History:

Date	Doc #	Vol/Page	Type
05/12/2008	816411	/	TDI
05/12/2008	816413	/	WD
05/12/2008	816412	/	QCD
	705715	/	

more...

Legal Description: **Acres:** 0.000

LOT 8, BLK 1, CHARLES LORD'S ADD TO WHITE BIRCH 26-45-12

Plat	Tract (S-T-R 40¼ 160¼ GL)	Block/Condo Bldg
* 1030-CHARLES LORD'S ADDITION TO WHITE BIRCH	26-45N-12W SE	1 LOT 8

2016 Valuations:

Values Last Changed on 07/21/2015

Class and Description	Acres	Land	Improvement	Total
G2-COMMERCIAL	0.143	6,200.00	38,800.00	45,000.00
Totals for 2016				
General Property	0.143	6,200.00	38,800.00	45,000.00
Woodland	0.000	0.00	0.00	0.00
Totals for 2015				
General Property	0.143	6,200.00	38,800.00	45,000.00
Woodland	0.000	0.00	0.00	0.00

2016 Taxes

Taxes have not yet been calculated.

Key

* - Primary

G.4 Signed Statement

WDNR BRRTS Case #: 03-16-000069

WDNR Site Name: Smith's Union 76

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:

Adam Bachand President Bachand Estates LLP
(print name/title)

7/8/2019
(signature) (date)

State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
2501 Golf Course Road
Ashland WI 54806

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

June 25, 2020

MR DEVIN SPRINKLE
CANADIAN NATIONAL RAILWAY
17641 S ASHLAND AVE
HOMEWOOD IL 60430

SUBJECT: Notice of Closure Approval with Continuing Obligations for
Rights-of-Way Holders for CN Right-of Way in Solon Springs, Wisconsin
Final Case Closure for Smith's Union 76 (Former),
11427 Business Highway 53, Solon Springs, Wisconsin
DNR BRRTS Activity # 03-16-000069

Dear Mr. Sprinkle:

The Department of Natural Resources (DNR) recently approved the completion of environmental work conducted at the Smith's Union 76 (Former) site. This letter describes how that approval applies to CN's right-of-way (ROW) in Solon Springs, Wisconsin. As the ROW holder, you are responsible for complying with these continuing obligations for any work you conduct in the ROW.

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

On July 16, 2019, you received information from METCO about the groundwater contamination in the ROW from Smith's Union 76 (Former), located at 11427 Business Highway 53, Solon Springs, Wisconsin, and about the continuing obligations. Continuing obligations are meant to limit exposure to any remaining contamination.

Applicable Continuing Obligations

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

Residual Groundwater Contamination (Wis. Admin. Code ch. NR 140, NR 812)
Groundwater contamination greater than enforcement standards is present both on this contaminated property and off this contaminated property, as shown on the attached Figure B.3.b. Groundwater Isoconcentration (3/21/19), prepared by METCO and dated July 8, 2019. If you intend to construct a new well, or reconstruct an existing well, you'll need prior DNR approval. Affected property owners and right-of-way (ROW) holders were notified of the presence of groundwater contamination. This continuing obligation also applies to the ROW owners for the Canadian National Railroad, the Wisconsin Department of Transportation, and the Village of Solon Springs rights-of-way.

Monitoring Wells that could not be Properly Filled and Sealed (Wis. Admin. Code ch. NR 141)
Monitoring well MW-7 located on Canadian National Railroad ROW shown on the attached Figure B.3.d. Monitoring Wells, prepared by METCO and dated July 8, 2019, could not be properly filled and sealed because it was missing. Your consultant made a reasonable effort to locate the well and to determine whether it was properly filled and sealed but was unsuccessful. You may be held liable for any problems associated with the monitoring wells if they create a conduit for contaminants to enter groundwater. If any of the groundwater monitoring wells are found, the then current owner of the property on which the well is located is required to notify the DNR, to properly fill and seal the wells and to submit the required documentation to the DNR. This continuing obligation applies to the ROW holders for Railroad Street.

Additional Information

Additional information about this case is available at the DNR's Bureau for Remediation and Redevelopment Tracking System (BRRTS) on the Web (BOTW) at dnr.wi.gov and search "BOTW". Enter 03-16-000069 in the **Activity Number** field in the initial screen, then click on **Search**. Scroll down and click on the **CO Packet** link for information about the completion of the environmental work. The site may also be seen on the map view, RR Sites Map. RR Sites Map can be found online at dnr.wi.gov and search "WRRD".

Please contact Barbara J. Flietner, the DNR project manager, at 715-762-1351 or by email at Barbara.Flietner@Wisconsin.gov with any questions or concerns. You can also contact me at 715-685-2920 or by email at Christopher.Saari@Wisconsin.gov.

Sincerely,

Christopher A. Saari
Northern Region Team Supervisor
Remediation and Redevelopment Program

Attachments:
- B.3.b. Groundwater Isoconcentration (3/21/19), METCO, July 8, 2019
- B.3.d. Monitoring Wells, METCO, July 8, 2019

cc: Adam Bachand – Bachand Estates, LLP (via email)
Ron Anderson – METCO (via email)
Barb Flietner – DNR Park Falls (via email)

State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
2501 Golf Course Road
Ashland WI 54806

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

June 25, 2020

MS KATHY BURGER
VILLAGE CLERK
VILLAGE OF SOLON SPRINGS
PO BOX 273
SOLON SPRINGS WI 54873

SUBJECT: Notice of Closure Approval with Continuing Obligations for
Rights-of-Way Holders for Hughes Avenue and Main Street in Solon Springs
Final Case Closure for Smith's Union 76 (Former)
11427 Business Highway 53, Solon Springs, Wisconsin
DNR BRRTS Activity #03-16-000069

Dear Ms. Burger:

The Department of Natural Resources (DNR) recently approved the completion of environmental work conducted at the Smith's Union 76 (Former) site. This letter describes how that approval applies to the Hughes Avenue and Main Street rights-of-way (ROW) in Solon Springs. As a ROW holder, you are responsible for complying with these continuing obligations for any work you conduct in the ROW.

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

On July 16, 2019, you received information from METCO about the gasoline contaminated groundwater in the ROW from Smith's Union 76 (Former), located at 11427 Business Highway 53, Solon Springs, and about the continuing obligations. Continuing obligations are meant to limit exposure to any remaining contamination.

Applicable Continuing Obligations

The continuing obligations that apply to the Solon Springs ROWs are described below, and are consistent with Wis. Stat. § 292.12, and Wis. Admin. Code § NR 700 series.

Residual Groundwater Contamination (Wis. Admin. Code ch. NR 140, NR 812)
Groundwater contamination greater than enforcement standards is present both on this contaminated property and off this contaminated property, as shown on the attached Figure B.3.b. Groundwater Isoconcentration (3/21/19), prepared by METCO and dated July 8, 2019. If you intend to construct a new well, or reconstruct an existing well, you'll need prior DNR approval. Affected property owners and right-of-way (ROW) holders were notified of the presence of groundwater contamination. This continuing obligation also applies to the ROW owners for the Canadian National Railroad, the Wisconsin Department of Transportation, and the Village of Solon Springs rights-of-way.

Additional Information

Additional information about this case is available at the DNR's Bureau for Remediation and Redevelopment Tracking System (BRRTS) on the Web (BOTW) at dnr.wi.gov and search "BOTW". Enter 03-16-000069 in the **Activity Number** field in the initial screen, then click on **Search**. Scroll down and click on the **CO Packet** link for information about the completion of the environmental work. The site may also be seen on the map view, RR Sites Map. RR Sites Map can be found online at dnr.wi.gov and search "WRRD".

Please contact Barbara J. Flietner, the DNR project manager, at 715-762-1351 or by email at Barbara.Flietner@Wisconsin.gov with any questions or concerns. You can also contact me at 715-685-2920 or by email at Christopher.Saari@Wisconsin.gov.

Sincerely,

Christopher A. Saari
Northern Region Team Supervisor
Remediation and Redevelopment Program

Attachments:

- B.3.b. Groundwater Isoconcentration (3/21/19), METCO, July 8, 2019

cc: Adam Bachand – Bachand Estates LLP (via email)
Ron Anderson – METCO (via email)
Barb Flietner – DNR Park Falls (via email)