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

February 10, 2020

PORT WING PROPERTIES LLC
ATTN: MARK JOHNSON
PO BOX 73
MENOMONIE WI 54751

KEEP THIS DOCUMENT WITH YOUR PROPERTY RECORDS

SUBJECT: Final Case Closure with Continuing Obligations
Port Wing Automotive, 8950 State Highway 13, Port Wing, Wisconsin
DNR BRRTS Activity #03-04-234613
FID #804055120

Dear Mr. Johnson:

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

This final closure decision is based on the correspondence and data provided and is issued under Wis. Admin. Code chs. NR 726 and 727. The DNR's Northern Region Closure Committee reviewed the request for closure on December 17, 2019. The Closure Committee reviewed this environmental remediation case for compliance with state laws and standards. A request for remaining actions needed was issued by the DNR on December 19, 2019, and documentation that the conditions in that letter were met was received on January 21, 2020.

The investigation and remediation activities at this site were conducted for discharges of hazardous substances, environmental pollution or both (the contamination) from the former underground storage tanks located on the Port Wing Automotive property. The underground fuel oil tank formerly located on the northeast corner of the main building on the Port Wing Automotive property was not assessed during the investigation and therefore is not included in this closure decision. Case closure under Wis. Admin. Code chs. NR 726 and NR 727 is granted for the contaminants analyzed during the site investigation, as documented in the DNR site file. The site investigation and remedial action addressed soil and groundwater contamination. Remaining soil and groundwater contamination will be addressed through natural attenuation. 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.
- The building foundation must be maintained over contaminated soil and the DNR must be notified and approve any changes to this barrier.
- If a structural impediment that obstructed a complete site investigation and/or cleanup is removed or modified, additional environmental work must be completed.

The attached 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 in Rhinelander, Wisconsin. This letter and information that was submitted with your closure request application, including any maps, can be found as a Portable Document Format (PDF) in BRRTS on the Web.

Prohibited Activities

Certain activities are prohibited at closed sites because maintenance of a barrier is intended to prevent contact with any remaining contamination. When a barrier is required, the condition of closure requires notification of the DNR before making a change, in order to determine if further action is needed to maintain the protectiveness of the remedy employed. The following activities are prohibited on any portion of the property where a building foundation is required, as shown on the attached Figure D.2: Cap Location Map, prepared by METCO and dated November 12, 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 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 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 chs. NR 140, 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 (5/13/19), prepared by METCO and dated December 13, 2013. If you intend to construct a new well, or reconstruct an existing well, you'll need prior DNR approval. Affected right-of-way (ROW) holders were notified of the presence of groundwater contamination. This continuing obligation also applies to the ROW holders for State Highway 13.

Residual Soil Contamination (Wis. Admin. Code ch. NR 718, chs. 500 to 536, or Wis. Stat. ch. 289)
Soil contamination remains under the building foundation, in the area of the former underground storage tanks and extends into the ROW of State Highway 13 as indicated on the attached Figure B.2.b Residual Soil Contamination, prepared by METCO and dated December 16, 2019. If soil in the specific locations described above is excavated in the future, the property owner at the time of excavation must sample and analyze the excavated soil to determine if contamination remains. If sampling confirms that contamination is present, the property owner at the time of excavation will need to determine whether the material is considered solid or hazardous waste and ensure that any storage, treatment or disposal is in compliance with applicable standards and rules. Contaminated soil may be managed in accordance with Wis. Admin. Code ch. NR 718, with prior DNR approval. This continuing obligation also applies to the ROW holders for State Highway 13.

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

Cover or Barrier (Wis. Stat. § 292.12 (2) (a), Wis. Admin. Code § NR 726.15, § NR 727.07)
The building foundation that exists in the location shown on the attached Figure D.2: Cap Location Map shall be maintained in compliance with the Attachment D.1 Description of Maintenance Action(s), prepared by METCO, and dated September 3, 2019, in order to minimize the infiltration of water and prevent additional groundwater contamination that would violate the groundwater quality standards in Wis. Admin. Code ch. NR 140, that might otherwise pose a threat to human health.

In this case, the building is also considered a structural impediment, and additional investigation and response requirements apply as described in the section titled Structural Impediments.

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

A request may be made to modify or replace a cover or barrier. Before removing or replacing the cover, you must notify the DNR at least 45 days before taking an action. The replacement or modified cover or barrier must be protective of the revised use of the property and must be approved in writing by the DNR prior to implementation. A cover or barrier for industrial land uses, or certain types of commercial land uses may not be protective if the use of the property were to change such that a residential exposure would apply. This may include, but is not

limited to, single or multiple family residences, a school, day care, senior center, hospital or similar settings. In addition, a cover or barrier for multi-family residential housing use may not be appropriate for use at a single-family residence.

The attached maintenance plan and inspection log (DNR form 4400-305) included as part of the Attachment D.1 Cap Maintenance Plan, 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.

Structural Impediments (Wis. Stat. § 292.12 (2) (b), Wis. Admin. Code § NR 726.15, § NR 727.07)
The building as shown on Figure B.2.b Residual Soil Contamination and the attachment B.5 Structural Impediment Photos, prepared by METCO, made complete investigation and/or remediation of the soil contamination on this property impracticable. If the structural impediment is to be removed, the property owner shall notify the DNR at least 45 days before removal and conduct an investigation of the degree and extent of petroleum contamination below the structural impediment. If contamination is found at that time, the contamination shall be properly remediated in accordance with applicable statutes and rules.

PECFA Reimbursement

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

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

In Closing

Please be aware that the case may be reopened pursuant to 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 DNR Project Manager Carrie Stoltz at (715) 365-8942 or at Carrie.Stoltz@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

Attachments:

- Figure B.3.b Groundwater Isoconcentration (5/13/19), METCO, December 13, 2013
- Figure B.2.b Residual Soil Contamination, METCO, December 16, 2019
- B.5 Structural Impediment Photos, METCO
- Attachment D.1 Description of Maintenance Action(s), METCO, September 3, 2019
- Continuing Obligations for Environmental Protection, DNR Publication RR-819

cc: Jason Powell/Ron Anderson – METCO (via email)
DOT HAZMAT (via email)
Carrie Stoltz – DNR Rhinelander (via email)

B.3.b GROUNDWATER ISOCONCENTRATION (5/13/19)

PORT WING AUTOMOTIVE

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

PORT WING, WISCONSIN

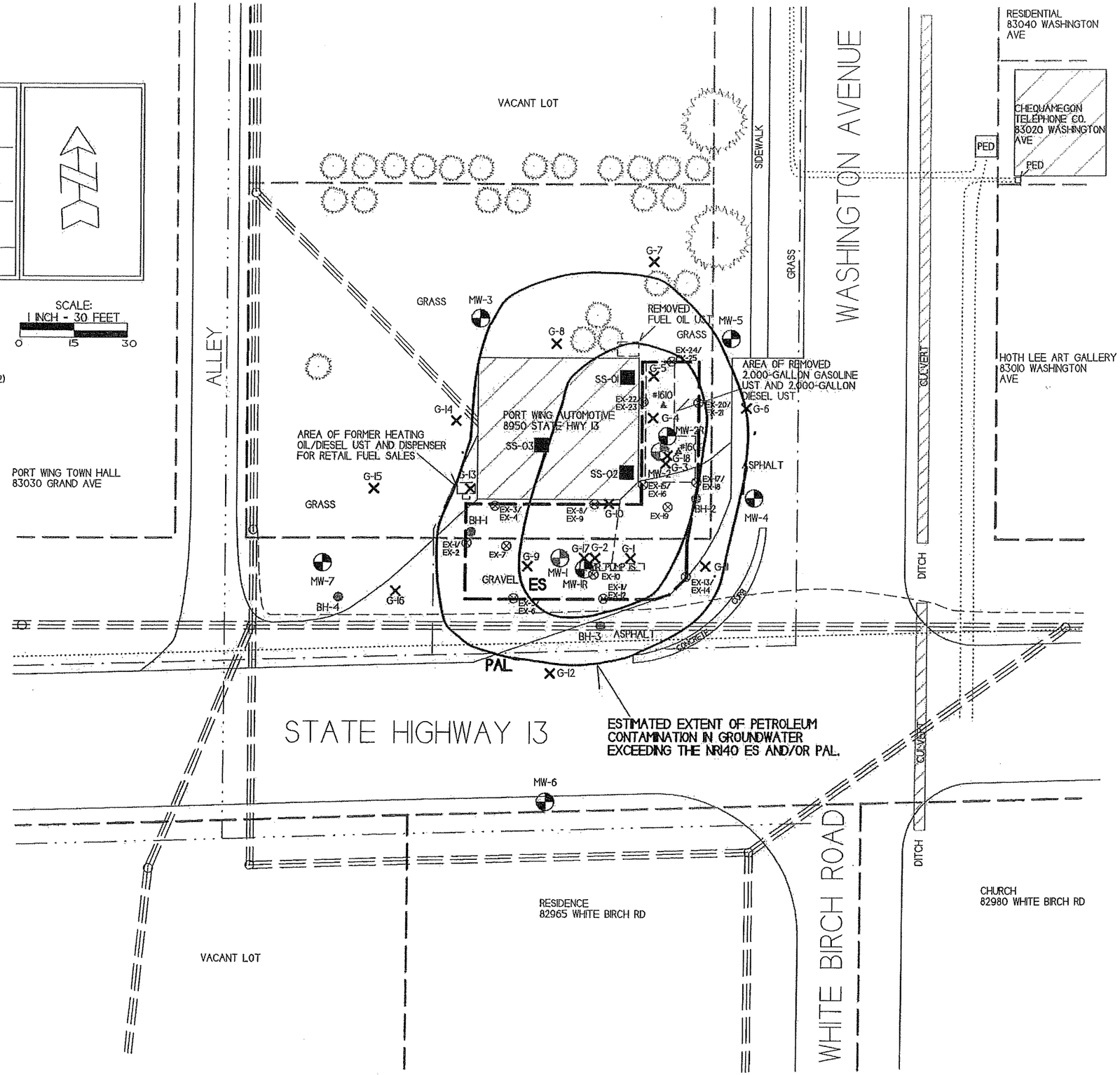
DRAWN BY: ED

DATE: 12/13/2013

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

SCALE: 1 INCH = 30 FEET (0, 15, 30)

- ▲ - UST CLOSURE SOIL SAMPLING LOCATION
- ✕ - GEOPROBE BORING LOCATION
- ● - SOIL BORING LOCATION, DON'S UNION 76 STATION (03-04-100622)
- ⊗ - EXCAVATION PROJECT SOIL SAMPLING LOCATION
- ◔ - MONITORING WELL LOCATION
- ◔ - ABANDONED MONITORING WELL LOCATION
- ■ - SUB SLAB VAPOR SAMPLE LOCATION (3/7/18)
- ——·——·—— - WATER LINE
- ——··——·· - SANITARY SEWER LINE
- — — — — — - BURIED ELECTRIC LINE
- ═══ - OVERHEAD UTILITIES
- ------ - TELEPHONE/CABLE LINE
- — — — — - PROPERTY BOUNDARY
- □ - EXCAVATION AREA (METCO, JUNE 2017)



B.2.b RESIDUAL SOIL CONTAMINATION

PORT WING AUTOMOTIVE

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

PORT WING, WISCONSIN

DRAWN BY: ED

DATE: 12/13/2013

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

SCALE:
1 INCH = 30 FEET
0 15 30

✕ - GEOPROBE BORING LOCATION

⊗ - SOIL EXCAVATION PROJECT (METCO, JUNE 2017)

- WATER LINE
- SANITARY SEWER LINE
- BURIED ELECTRIC LINE
- OVERHEAD UTILITIES
- TELEPHONE/CABLE LINE
- PROPERTY BOUNDARY

- EXCAVATION AREA (METCO, JUNE 2017)

PORT WING TOWN HALL
83030 GRAND AVE

ALLEY

VACANT LOT

PLEASE NOTE THAT THE BUILDING IS CONSIDERED A STRUCTURAL IMPEDIMENT.

GRASS

REMOVED FUEL OIL UST

AREA OF REMOVED 2,000-GALLON GASOLINE UST AND 2,000-GALLON DIESEL UST

PORT WING AUTOMOTIVE
8950 STATE HWY 13

AREA OF FORMER HEATING OIL/DIESEL UST AND DISPENSER FOR RETAIL FUEL SALES

ASPHALT

GRASS

GRAVEL

LP TANK

SIDEWALK

GRASS

WASHINGTON AVENUE

CULVERT

DITCH

RESIDENTIAL
83040 WASHINGTON AVE

CHEQUAMEGON TELEPHONE CO.
83020 WASHINGTON AVE

PED

PED

HOTH LEE ART GALLERY
83010 WASHINGTON AVE

ESTIMATED EXTENT OF PETROLEUM CONTAMINATION IN SOIL EXCEEDING NR720 GROUNDWATER RCL'S AND/OR SOIL SATURATION CONCENTRATION (C-SAT) VALUES.

ESTIMATED EXTENT OF PETROLEUM CONTAMINATION IN SOIL EXCEEDING NR720 NON-INDUSTRIAL DIRECT CONTACT RCL'S AND/OR SOIL SATURATION CONCENTRATION (C-SAT) VALUES.

STATE HIGHWAY 13

CONCRETE

CURB

RESIDENCE
82965 WHITE BIRCH RD

VACANT LOT

WHITE BIRCH ROAD

CULVERT

DITCH

CHURCH
82980 WHITE BIRCH RD

G-8 G-13 G-10 G-11

EX-23 EX-17 EX-4 EX-9 EX-2 EX-7 EX-10 EX-1/EX-12 EX-13/EX-14 EX-6

12/16/19
EDP
12/16/19

B.5 Structural Impediment Photos

Photo #1: On site building looking west.

B.5 Structural Impediment Photos

Photo #2: On site building looking East.

D.1 Description of Maintenance Action(s)

CAP MAINTENANCE PLAN

9/3/2019

Property Located at:
83000-83060 Washington Ave
Port Wing WI, 54865

WDNR BRRTS# 03-04-234613

PECFA # 54865-9999-99

Introduction

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

More site-specific information about this property/site 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): https://dnr.wi.gov/botw/SetUpBasicSearchForm.do?rtn=rb
- GIS Registry PDF file for further information on the nature and extent of contamination
- The DNR project manager for Bayfield County.

Description of Contamination

Soil contaminated by Benzene, Ethylbenzene, Naphthalene, Toluene, trimethylbenzenes and Xylene is located at a depth of 3.5- 13.5 feet below ground surface in the area of the removed UST systems. Groundwater contaminated by Benzene, Ethylbenzene, Naphthalene, Toluene, trimethylbenzenes and Xylene is located at a depth of 6.25-13.5 feet below ground surface 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 the existing building (concrete slab on-grade, 4 inches thick). The Cap area is shown on Attachment D.2.

Cover/Building/Slab/Barrier Purpose

The building cap over the contaminated soil and groundwater acts as a partial infiltration barrier to minimize future soil-to-groundwater contamination migration that would violate the groundwater standards in ch. NR 140, Wisconsin Administrative Code. Based on the current use of the property, the barrier should function as intended unless disturbed.

Annual Inspection

The building cap 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 and other potential problems that can cause exposure to underlying soils. The inspections will be performed by the property owner or their designated representative. The inspections will be performed to evaluate damage due to settling, exposure to the weather, wear from traffic, increasing age and other factors. Any area where soils have become or are likely to become exposed and where infiltration from the surface will not be effectively minimized will be documented.

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

Maintenance Activities

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

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

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

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

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

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

Amendment or Withdrawal of Maintenance Plan

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

Contact Information

September 2019

Current Site Contact:
Mark Johnson
P.O. Box 73
Menomonie, WI 54751
715-308-3503

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

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

WDNR:
Carrie Stoltz
107 Sutliff Ave
Rhinelander, WI 54501

D.2 CAP LOCATION MAP

PORT WING AUTOMOTIVE

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

PORT WING, WISCONSIN

DRAWN BY: ED

DATE: 12/13/2013

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

SCALE:
1 INCH = 30 FEET
0 15 30

✕ - GEOPROBE BORING LOCATION

⊗ - SOIL EXCAVATION PROJECT (METCO, JUNE 2017)

- WATER LINE
- SANITARY SEWER LINE
- BURIED ELECTRIC LINE
- OVERHEAD UTILITIES
- TELEPHONE/CABLE LINE
- PROPERTY BOUNDARY

- EXCAVATION AREA (METCO, JUNE 2017)

PORT WING TOWN HALL
83030 GRAND AVE

ALLEY

VACANT LOT

SIDEWALK

GRASS

WASHINGTON AVENUE

CULVERT

RESIDENTIAL
83040 WASHINGTON AVE

CHEQUAMEGON TELEPHONE CO.
83020 WASHINGTON AVE

PED

PED

HOTH LEE ART GALLERY
83010 WASHINGTON AVE

CAP PLAN AREA FOR NR720 GW RCL EXCEEDENCES (ON-SITE BUILDING)

GRASS

REMOVED FUEL OIL UST

GRASS

G-8

AREA OF REMOVED 2,000-GALLON GASOLINE UST AND 2,000-GALLON DIESEL UST

PORT WING AUTOMOTIVE
8950 STATE HWY 13

EX-23

AREA OF FORMER HEATING OIL/DIESEL UST AND DISPENSER FOR RETAIL FUEL SALES

G-13

ASPHALT

GRASS

EX-4

EX-9

G-10

EX-17

EX-2

EX-7

LIFER PUMP IS_T
EX-10

G-11

EX-13/
EX-14

GRAVEL

EX-1/
EX-12

EX-6

ES

PAL

CURB

ASPHALT

CONCRETE

DITCH

ESTIMATED EXTENT OF PETROLEUM CONTAMINATION IN SOIL EXCEEDING NR720 GROUNDWATER RCL'S AND/OR SOIL SATURATION CONCENTRATION (C-SAT) VALUES.

STATE HIGHWAY 13

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

CULVERT

DITCH

WHITE BIRCH ROAD

RESIDENCE
82965 WHITE BIRCH RD

VACANT LOT

CHURCH
82980 WHITE BIRCH RD

ZH
11-12-19

11-12-19

{Click to Add/Edit Image} Date added: 09/03/2019

Title: Photo 1#: Area of cap to be maintained (looking North)

{Click to Add/Edit Image} Date added: 09/03/2019

Title: Photo 2#: Area of cap to be maintained (looking South)

D. 3. Photographs

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

D.4. Inspection Log

Continuing Obligations Inspection and Maintenance Log

Form 4400-305 (2/14)

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: Port Wing Automotive

BRRTS No.: 03-04-234613

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):

carrie.stoltz@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 Rd.
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

December 19, 2019

MR MARK JOHNSON
PO BOX 73
MENOMONIE WI 45751

SUBJECT: Remaining Actions Needed for Case Closure under Wis. Admin. Code chs. NR 700-754
Port Wing Automotive
8950 State Highway 13, Port Wing, Wisconsin
DNR BRRTS Activity #03-04-234613

Dear Mr. Johnson:

On December 17, 2019, the Department of Natural Resources (DNR) reviewed your request for closure of the case described above. The DNR reviews environmental remediation cases for compliance with applicable local, state and federal laws. The following actions are required prior to the DNR granting you case closure in compliance with Wis. Stat. ch. 292 and Wis. 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 Filling and Sealing

The monitoring wells at the site 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 on DNR Form 3300-005 to DNR, Attn: Carrie Stoltz, 107 Sutliff Avenue, Rhinelander, WI 54501. 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.

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. We 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, Carrie Stoltz at (715) 365-8942 or Carrie.Stoltz@Wisconsin.gov

Sincerely,

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

cc: Jason Powell – METCO (via email)
Carrie Stoltz – DNR Rhinelander (via email)

Wisconsin Department of Natural Resources

Case Closure – GIS Registry
NR 4400-202

For: Port Wing Automotive
BRRTS # 03-04-234613

October 28, 2019

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 - GIS Registry

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.
03-04-234613	

Parcel ID No.
04-042-2-50-08-29-400-173-45000

FID No.	WTM Coordinates X	WTM Coordinates Y
804055120	414277	701124

BRRTS Activity (Site) Name
Port Wing Automotive

WTM Coordinates Represent: ☒ Source Area ☐ Parcel Center

Site Address	City	State	ZIP Code
8950 State Highway 13	Port Wing	WI	54865

Acres Ready For Use
0.3

Responsible Party (RP) Name
Mark Johnson

Company Name

Mailing Address	City	State	ZIP Code
P.O. Box 73	Menomonie	WI	54751

Phone Number	Email
(715) 308-3503	

☒ 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 Port Wing Automotive property is located at 8950 State Highway 13 in the Town of Port Wing, Bayfield County, Wisconsin. The property is bound by State Highway 13 along the south side, Washington Avenue along the east side, a vacant grass lot on the north side, and an alley on the west side.

B. Prior and current site usage: Specifically describe the current and historic occupancy and types of use.
The gas/service station on the subject property was built in 1920. Don and Mary Kenda operated the station from 1975 until 1999. Retail fuel sales were discontinued in 1999, but the property continued to operate as a service station for several years afterward. Former UST systems that are known to have existed on the property include a 2,000-gallon gasoline UST and a 2,000-gallon diesel UST that were installed in 1981 and removed in 1999. A fuel oil tank of unknown size and age existed on the north side of the building and was removed in 1990. A 300-gallon UST and dispenser that was used for retail sales of heating oil/diesel existed on the west side of the building. Mary Donahue (formerly Kenda) could not remember when the 300-gallon UST and dispenser were removed, but did say it was sometime before 1999. Being that the history of this property as a gas station dates back to 1920, other UST systems had to have existed on this property prior to 1981. However, the existence and locations of these previous UST systems are not well documented. Currently the property is unoccupied.

C. Current zoning (e.g., industrial, commercial, residential) for the site and for neighboring properties, and how verified (Provide documentation in Attachment G).
According to the zoning map for Bayfield County, Wisconsin, the Port Wing Automotive property located at 8950 State Highway 13 is zoned "Commercial." The surrounding properties are also zoned "Commercial," with the exception of the Port Wing Town hall to the west which is zoned as "(R4) - Residential."

D. Describe how and when site contamination was discovered.
On October 11, 1999, Glass Back-hoe Service removed a 2,000-gallon gasoline UST and a 2,000-gallon diesel UST from the subject property. During the removal, 3 Bears Environmental Services conducted an Underground Storage Tank Closure Assessment in which one soil sample was collected beneath each UST for laboratory analysis. Soil sample #1609 was collected beneath the gasoline UST and showed 3,200 ppm GRO and elevated levels of PVOCs. Soil sample #1610 was collected beneath the diesel UST and showed 72 ppm DRO. The petroleum contamination was reported to the WDNR, who then opened a new LUST case (Port Wing Automotive, 03-04-234613) at the subject property.

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

F. Other relevant site description information (or enter Not Applicable).
Not applicable.

G. List BRRTS activity/site name and number for BRRTS activities at this source property, including closed cases.
Don's Union 76 Station, BRRTS# 03-04-100622, had been closed in May 1997.

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

2. General Site Conditions

A. Soil/Geology

i. Describe soil type(s) and relevant physical properties, thickness of soil column across the site, vertical and lateral variations in soil types.
Local unconsolidated materials generally consist of tan to gray to brown to red to black medium to coarse grained sand with gravel and some cobbles from surface to depths ranging from 5 to 9 feet bgs. Red sandy clay was encountered in a few borings from surface to depths ranging from 4-5 feet bgs.

ii. Describe the composition, location and lateral extent, and depth of fill or waste deposits on the site.
On June 12, 2017, an excavation was conducted and consisted of an area measuring up to 62 feet long, 27 feet wide, and 8 feet below ground surface (bgs) on the south side of the on-site building with a smaller section measuring up to 40 feet long, 15 feet wide, and 8 feet bgs on the east side of the on-site building in the area of the removed UST. Following the excavation project, the excavation area was backfilled with clean soils and capped with gravel.

iii. Describe the depth to bedrock, bedrock type, competency and whether or not it was encountered during the investigation.
Red medium to coarse grained sandstone was encountered at depths ranging from 5 to 9 feet and extending to at least 14

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).

Near the center of the property is the former Port Wing Automotive building. Gravel exists on the south and east side of the building. The remaining ground cover consists of grass.

B. Groundwater

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

Depth to groundwater in the monitoring wells ranged from 3.00 to 13.57 feet, depending on well location and time of year. Free product did not affect watertable elevation measurements. Groundwater was encountered in the sandstone bedrock.

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

Local groundwater flow in the area of the subject property is generally to the north. Groundwater flow in the deeper aquifer is unknown, as no piezometers were installed during this investigation.

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

On June 24, 2015, METCO conducted slug tests on monitoring wells MW-1, MW-2 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) = 9.81E-04 cm/sec
Transmissivity = 8.13E-02 cm2/sec
Flow Velocity (V=KI/n) = 93.10989 m/yr

Monitoring Well MW-2
Hydraulic Conductivity (K) = 4.36E-04 cm/sec
Transmissivity = 5.99E-02 cm2/sec
Flow Velocity (V=KI/n) = 41.34908 m/yr

Monitoring Well MW-5
Hydraulic Conductivity (K) = 2.03E-03 cm/sec
Transmissivity = 1.87E-01 cm2/sec
Flow Velocity (V=KI/n) = 192.58234 m/yr

Since the thickness of the unconfined aquifer was unknown, the bottoms of monitoring wells MW-1, MW-2 and MW-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 the Town of Port Wing municipal water supply. The Town of Port Wing has two municipal wells, which are located approximately 2,000 and 2,250 feet to the south of the subject property. METCO is not aware of any private water supply wells in the area.

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 3, 2014, METCO completed sixteen Geoprobe borings. Thirty-two soil samples and fifteen groundwater samples were collected for field and/or laboratory analysis. (Site Investigation Report - August 2016)

On March 31, 2015, METCO completed seven soil borings and installed seven monitoring wells. Twenty-one soil/rock cutting samples were collected for field and/or laboratory analysis. Upon completion, four of the monitoring wells (MW-2, MW-4, MW-6, and MW-7) were properly developed. Monitoring wells MW-1, MW-3, and MW-5 were not developed as they were dry. (Site Investigation Report - August 2016)

On June 24, 2015, METCO collected groundwater samples from the seven monitoring wells for field and laboratory analysis. METCO also conducted slug tests on three of the monitoring wells. The well network was properly surveyed to feet mean sea level (MSL) at this time. (Site Investigation Report - August 2016)

On September 24, 2015, METCO collected groundwater samples from the seven monitoring wells for field and laboratory analysis. (Site Investigation Report - August 2016)

On December 22, 2015, METCO collected groundwater samples from the seven monitoring wells for field and laboratory analysis. (Site Investigation Report - August 2016)

On March 22, 2016, METCO collected groundwater samples from the seven monitoring wells for field and laboratory analysis. (Site Investigation Report - August 2016)

On March 23, 2017, Geiss Soil and Samples LLC, of Merrill, Wisconsin, conducted a Geoprobe project under the supervision of METCO personnel. During the project, two soil borings (G-17 and G-18) were completed to 6 and 7 feet bgs respectively. Four soil samples were collected during the project for field (PID) and/or laboratory analysis (TCLP-Benzene). (Letter Report - September 2017)

On June 12, 2017, DKS Construction Services, Inc. of Menomonie, Wisconsin conducted a soil excavation/disposal project at the subject property under the supervision and direction of METCO personnel. During this project, 969.20 tons of petroleum contaminated soil was excavated and hauled to the Vonoco V-Waste Management Campus in Duluth, Minnesota. Prior to any excavation activities, monitoring wells MW-1 and MW-2 were properly abandoned by METCO personnel. The excavation consisted of an area measuring up to 62 feet long, 27 feet wide, and 8 feet below ground surface (bgs) on the south side of the on-site building with a smaller section measuring up to 40 feet long, 15 feet wide, and 8 feet bgs on the east side of the on-site building in the area of the removed UST. Twenty-five soil samples were collected from the sidewalls and bottom of the excavation for field (PID) and laboratory analysis (PVOC and Naphthalene). Twenty-two sidewall samples were collected at 3.5 and 7 feet bgs and three bottom sample were collected at 8 feet bgs. Following the excavation project, the excavation area was backfilled with clean soils and capped with gravel. (Letter Report - September 2017)

On August 21, 2017, Twin Ports Testing of Superior, Wisconsin, installed two replacement monitoring wells (MW-1R and MW-2R) under the direction and supervision of METCO personnel. Both monitoring wells were blind drilled and installed to 15 feet bgs. The monitoring wells were not developed following completion as they were both dry following installation. (Letter Report - September 2017)

On September 11, 2017, METCO collected groundwater samples from seven of the monitoring wells (MW-1R, MW-2R, MW-3, MW-4, MW-5, MW-6, and MW-7) for PVOC and Naphthalene and Dissolved Lead analysis. Field measurements for water level, Dissolved Oxygen, pH, ORP, temperature, and Specific Conductivity were collected from all sampled monitoring wells. During the groundwater sampling event, the new monitoring wells were surveyed to feet mean sea level (msl) by METCO personnel. (Letter Report - September 2017)

On December 11, 2017, METCO collected groundwater samples from seven monitoring wells (MW-1R, MW-2R, MW-3, MW-4, MW-5, MW-6 and MW-7) for PVOC and Naphthalene analysis, MW-1R was also sampled for Dissolved Lead. Field measurements for water level, Dissolved Oxygen, pH, ORP, specific conductance, and temperature were collected from the sampled monitoring wells. (Groundwater Monitoring Report - August 2018)

On March 7, 2018, METCO collected groundwater samples from seven monitoring wells (MW-1R, MW-2R, MW-3, MW-4, MW-5, MW-6 and MW-7) for PVOC and Naphthalene analysis, MW-1R was also sampled for Dissolved Lead. Field measurements for water level, Dissolved Oxygen, pH, ORP, specific conductance, and temperature were collected from the sampled monitoring wells. (Groundwater Monitoring Report - August 2018)

On March 7, 2018, Braun Intertec of La Crosse, WI installed three sub-slab vapor sampling ports (SS-01, SS-02, and SS-03) in the floor of the on-site building located at 8950 State Highway 13. 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. (Groundwater Monitoring Report - August 2018)

On March 7, 2018, Braun Intertec collected vapor samples from the sub-slab sampling ports (SS-01, SS-02, and SS-03) for TO-15 (PVOC and Naphthalene) analysis. Vapor samples were collected by using a short length of Teflon tubing to connect the sampling port and a 6-liter Suma canister. The air samples were collected using a Suma canister with a flow regulator that allowed the sub-slab vapor samples to be collected over a 30-minute period. Prior to collecting the sub-slab vapor samples, a shut-in test was conducted to assure that the fittings between the sample probe and sampling container are air tight. No leaks were detected. The sub-slab soil vapor sampling results are summarized in the attached data table. (Groundwater Monitoring Report - August 2018)

On June 5, 2018, METCO collected groundwater samples from seven monitoring wells (MW-1R, MW-2R, MW-3, MW-4, MW-5, MW-6 and MW-7) for PVOC and Naphthalene analysis, MW-1R was also sampled for Dissolved Lead.

Field measurements for water level, Dissolved Oxygen, pH, ORP, specific conductance, and temperature were collected from the sampled monitoring wells. (Groundwater Monitoring Report - August 2018)

On February 19, 2019, METCO collected groundwater samples from five monitoring wells (MW-1R, MW-2R, MW-3, MW-4, MW-5) for PVOC and Naphthalene analysis, MW-1R was also sampled for Dissolved Lead. Field measurements for water level, Dissolved Oxygen, pH, ORP, specific conductance, and temperature were collected from the sampled monitoring wells. Monitoring Wells MW-6 and MW-7 were unable to be located because they were buried beneath large amounts of snow. (Attachement C)

On May 13, 2019, METCO collected groundwater samples from seven monitoring wells (MW-1R, MW-2R, MW-3, MW-4, MW-5, MW-6 and MW-7) for PVOC and Naphthalene analysis, MW-1R was also sampled for Dissolved Lead. Field measurements for water level, Dissolved Oxygen, pH, ORP, specific conductance, and temperature were collected from the sampled monitoring wells. (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 and Direct Contact RCL values and Soil Saturation Concentration (C-Sat) values exists within the right-of-way of STH 13. This soil contamination plume measures approximately 68 feet wide at the property boundary, extends up to 23 feet into the right-of-way, and is up to 13.5 feet thick.

Groundwater contamination exceeding the NR140 ES has also migrated into the right-of-way of State Highway 13 to the south measuring approximately 50 feet at the property boundary and extending up to 23 feet into the right-of-way.

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

Because soil and groundwater contamination remains under the on-site building, it is considered a structural impediment as it interfered with the completion of the site investigation and remediation. The building measures approximately 45 by 39 feet and overlays the northern portion of the soil and groundwater contamination plumes.

B. Soil

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

An area of unsaturated soil contamination, which exceeds the NR720 Groundwater RCL values and/or Soil Saturation Concentration (C-sat) values exists in the area of the former gasoline UST systems and has migrated north. This consists of an irregular-shaped area that measures up to 84 feet long, 75 feet wide, and ranging in depths from 3.5 to 13 feet bgs.

An area of unsaturated soil contamination, which exceeds the NR720 Non-Industrial Direct Contact RCL values exists along the east boundary of the excavation area in the area of EX-13 measuring up to 5 feet long, 1 foot wide, and up to 4 feet thick.

The extent of petroleum contamination in groundwater exceeding the NR140 ES and/or PAL appears to come into contact with a water main, buried electric lines, and a telephone/cable line. The extent of petroleum contamination in unsaturated soil exceeding the NR720 Groundwater RCL's also comes into contact with buried electric lines.

A water main exists adjacent to the subject property to the south along the north side of State Highway 13. A water lateral to the on-site building exists on the west side of the building. The water main and lateral were both installed in 1981 and are installed to 6 feet bgs with sand backfill. Groundwater contamination exceeding the NR140 PAL exists in the area of the water main and lateral. However, there does not appear to be any potential risks of contaminant migration along these utility corridors for the following reasons: 1) Groundwater contaminant levels only exceed the NR140 PAL. 2) Groundwater exists at approximately 7-13 feet bgs in this area and below the utility corridors. 3) The sand backfill in the utility corridors is similar to that of the native sand/gravel soils and is not likely to be more permeable than the native soils.

Buried electric and telephone/cable lines typically exist within 30 inches of ground surface and backfilled with native soil. Therefore, these do not appear to be potential contaminant migration pathways.

Based on the results of the Sub-Slab Vapor Sampling project, future vapor intrusion seems unlikely.

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

The soil samples within the top four feet of ground surface that exceed the NR720 RCL's include the following:

EX-11 at 3.5 feet bgs: 0.65 ppm Benzene, 3.7 ppm Ethylbenzene, 4.3 ppm Naphthalene, 3.12 ppm Toluene, 35.6 ppm Trimethylbenzenes, and 31 ppm Xylene.

EX-13 at 3.5 feet bgs: 1.34 ppm Benzene, 14.70 ppm Ethylbenzene, 11.8 ppm Naphthalene, 13.5 ppm Toluene, 97.6 ppm Trimethylbenzenes, and 94.8 ppm Xylene.

EX-17 at 3.5 feet bgs: 0.49 ppm Benzene, 4.1 ppm Naphthalene, 26.2 ppm Trimethylbenzenes, and 15.1 ppm Xylene.

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

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

C. Groundwater

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

A dissolved phase contaminant plume exceeding the NR140 ES and PAL has formed at the watertable in the area of the former UST's and dispenser island and measures approximately 110 feet long and up to 85 feet wide.

There are no known water supply wells within 1200 feet of the area of groundwater contamination. No building foundation drain systems exist in the area of groundwater contamination.

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 not encountered during this investigation.

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 March 7, 2018, Braun Intertec of La Crosse, WI installed three sub-slab vapor sampling ports (SS-01, SS-02, and SS-03) in the floor of the on-site building located at 8950 State Highway 13. The sub-slab vapor sampling ports were constructed by drilling a 1/2-inch pilot hole through the concrete slab and several inches into the sub slab material with a hammer drill. A 11/2-inch outer hole is then drilled to depths ranging from ¾ -inch to 1-inch, depending on the concrete slab thickness. The holes were cleaned of dust and drilling debris using a shop-vac. A stainless-steel vapor pin is installed in the inner hole with a silicon sleeve to obtain an air tight seal with the concrete floor. The remainder of the hole is sealed with hydrated bentonite and a water dam test was conducted to confirm that the seal is air tight.

On March 7, 2018, Braun Intertec collected vapor samples from the sub-slab sampling ports (SS-01, SS-02, and SS-03) for TO-15 (PVOC and Naphthalene) analysis. Vapor samples were collected by using a short length of Teflon tubing to connect the sampling port and a 6-liter Suma canister. The air samples were collected using a Suma canister with a flow regulator that allowed the sub-slab vapor samples to be collected over a 30-minute period. Prior to collecting the sub-slab vapor samples, a shut-in test was conducted to assure that the fittings between the sample probe and sampling container are air tight. No leaks were detected.

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

The applicable land use of the on-site building classified under the Small Commercial Sub-Slab Vapor Action Levels. All of the vapor samples showed numerous detects, but no exceedances of the WDNR Small Commercial Sub-Slab Vapor Action Levels. Based on these results, there does not appear to be any vapor intrusion risks concerning the on-site building.

E. Surface Water and Sediment

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

The nearest surface water is an unnamed creek, which exists approximately 2,300 feet to the west of the subject property. It does not appear that the petroleum contamination has impacted any surface waters.

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

No surface water or sediment samples were collected.

4. Remedial Actions Implemented and Residual Levels at Closure

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

On June 12, 2017, DKS Construction Services, Inc. of Menomonie, Wisconsin conducted a soil excavation/disposal project at the subject property under the supervision and direction of METCO personnel. During this project, 969.20 tons of petroleum contaminated soil was excavated and hauled to the Vonoco V-Waste Management Campus in Duluth, Minnesota. Prior to any excavation activities, monitoring wells MW-1 and MW-2 were properly abandoned by METCO personnel. The excavation consisted of an area measuring up to 62 feet long, 27 feet wide, and 8 feet below ground surface (bgs) on the south side of the on-site building with a smaller section measuring up to 40 feet long, 15 feet wide, and 8 feet bgs on the east side of the on-site building in the area of the removed UST.

Twenty-five soil samples were collected from the sidewalls and bottom of the excavation for field (PID) and laboratory analysis (PVOC and Naphthalene). Twenty-two sidewall samples were collected at 3.5 and 7 feet bgs and three bottom sample were collected at 8 feet bgs.

Following the excavation project, the excavation area was backfilled with clean soils and capped with gravel.

B. Describe any immediate or interim actions taken at the site under ch NR 708, Wis. Adm. Code.
No immediate or interim actions have been conducted.

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

On June 12, 2017, DKS Construction Services, Inc. of Menomonie, Wisconsin conducted a soil excavation/disposal project at the subject property under the supervision and direction of METCO personnel. During this project, 969.20 tons of petroleum contaminated soil was excavated and hauled to the Vonoco V-Waste Management Campus in Duluth, Minnesota. Prior to any excavation activities, monitoring wells MW-1 and MW-2 were properly abandoned by METCO personnel. The excavation consisted of an area measuring up to 62 feet long, 27 feet wide, and 8 feet below ground surface (bgs) on the south side of the on-site building with a smaller section measuring up to 40 feet long, 15 feet wide, and 8 feet bgs on the east side of the on-site building in the area of the removed UST.

Twenty-five soil samples were collected from the sidewalls and bottom of the excavation for field (PID) and laboratory analysis (PVOC and Naphthalene). Twenty-two sidewall samples were collected at 3.5 and 7 feet bgs and three bottom sample were collected at 8 feet bgs.

Following the excavation project, the excavation area was backfilled with clean soils and capped with gravel.

D. Describe the alternatives considered during the Green and Sustainable Remediation evaluation in accordance with NR 722.09 and any practices implemented as a result of the evaluation.
No evaluation of Green and Sustainable Remediation was conducted.

E. Describe the nature, degree and extent of residual contamination that will remain at the source property or on other affected properties after case closure.
An area of unsaturated soil contamination, which exceeds the NR720 Groundwater RCL values and/or Soil Saturation Concentration (C-sat) values exists in the area of the former gasoline UST systems and has migrated north. This consists of an irregular-shaped area that measures up to 84 feet long, 75 feet wide, and ranging in depths from 3.5 to 13 feet bgs.

An area of unsaturated soil contamination, which exceeds the NR720 Non-Industrial Direct Contact RCL values exists along the east boundary of the excavation area in the area of EX-13 measuring up to 5 feet long, 1 foot wide, and up to 4 feet thick.

A dissolved phase contaminant plume exceeding the NR140 ES and PAL has formed at the watertable in the area of the former UST's and dispenser island and measures approximately 110 feet long and up to 85 feet wide.

Soil contamination exceeding the NR720 Groundwater and Direct Contact RCL values and Soil Saturation Concentration (C-Sat) values exists within the right-of-way of STH 13. This soil contamination plume measures approximately 68 feet wide at the property boundary, extends up to 23 feet into the right-of-way, and is up to 13.5 feet thick.

Groundwater contamination exceeding the NR140 ES has also migrated into the right-of-way of State Highway 13 to the south measuring approximately 50 feet at the property boundary and extending up to 23 feet into the right-of-way.

F. Describe the residual soil contamination within four feet of ground surface (direct contact zone) that attains or exceeds RCLs established under s. NR 720.12, Wis. Adm. Code, for protection of human health from direct contact.
The only soil sample within the top four feet of ground surface that exceeds the NR720 Non-Industrial Direct Contact RCL value is EX-13 at 3.5 feet bgs (14.7 ppm Ethylbenzene and 11.8 ppm Naphthalene).

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 contamination that remains above the NR720 Groundwater RCL values exists in the following locations:

G-8-2 at 6.0 feet bgs: 0.750 ppm Naphthalene

G-10-2 at 8.0 feet bgs: 1.73 ppm Benzene, 6.2 ppm Ethylbenzene, 4 ppm Naphthtalene, 0.500 ppm Toluene, 73 ppm Trimethylbenzenes, and 26.43 ppm Xylene.

G-13-2 at 9.0 feet bgs: 7 ppm Benzene, 9.9 ppm Ethylbenzene, 17.9 ppm Naphthalene, 46.6 ppm Trimethylbenzenes, and 54.6 ppm Xylene.

EX-2 at 7.0 feet bgs: 0.69 ppm Benzene, 4.2 ppm Ethylbenzene, 7.4 ppm Naphthalene, 3.05 ppm Toluene, 21.3 ppm Trimethylbenzenes, and 17.5 Xylene.

EX-4 at 7.0 feet bgs: 8.8 ppm Benzene, 45 ppm Ethylbenzene, 12.3 ppm Naphthalene, 50 ppm Toluene, 134 ppm Trimethylbenzenes, and 221 ppm Xylene.

EX-6 at 7.0 feet bgs: 5.6 ppm Benzene, 27.5 ppm Ethylbenzene, 13.2 Naphthalene, 55 ppm Toluene, 123.8 ppm Trimethylbenzenes, and 179 ppm Xylene.

EX-7 at 8.0 feet bgs: 4.2 ppm Benzene, 29.4 ppm Ethylbenzene, 11.7 ppm Naphthalene, 50 ppm Toluene, 92 ppm Trimethylbenzenes, and 129 ppm Xylene.

EX-9 at 7.0 feet bgs: 6.7 ppm Benzene, 54 ppm Ethylbenzene, 17 ppm Naphthalene, 15.5 ppm Toluene, 191 ppm Trimethylbenzenes, and 302 ppm Xylene.

EX-10 at 8.0 feet bgs: 3.6 ppm Benzene, 8.5 ppm Naphthalene, 15.7 ppm Toluene, 108.7 Trimethylbenzenes, and 97 ppm Xylene.

EX-11 at 3.5 feet bgs: 0.65 ppm Benzene, 3.7 ppm Ethylbenzene, 4.3 ppm Naphthalene, 3.12 ppm Toluene, 35.6 ppm Trimethylbenzenes, and 31 ppm Xylene.

EX-12 at 7.0 feet bgs: 8.1 ppm Benzene, 40 ppm Ethylbenzene, 44 ppm Naphthalene, 60 ppm Toluene, 267 ppm Trimethylbenzenes, and 304 ppm Xylene.

EX-13 at 3.5 feet bgs: 1.34 ppm Benzene, 14.70 ppm Ethylbenzene, 11.8 ppm Naphthalene, 97.6 ppm Trimethylbenzenes, and 94.8 ppm Xylene.

EX-14 at 7.0 feet bgs: 15.8 ppm Benzene, 107 ppm Ethylbenzene, 64 ppm Naphthalene, 159 ppm Toluene, 557 ppm Trimethylbenzenes, and 597 ppm Xylene.

EX-17 at 3.5 feet bgs: 0.49 ppm Benzene, 4.1 ppm Naphthalene, 26.2 ppm Trimethylbenzenes, and 15.1 ppm Xylene.

EX-23 at 7.0 feet bgs: 0.248 ppm Benzene, 1.21 ppm Naphthalene, 12.8 ppm Trimethylbenzenes, and 4.21 ppm Xylene.

H. Describe how the residual contamination will be addressed, including but not limited to details concerning: covers, engineering controls or other barrier features; use of natural attenuation of groundwater; and vapor mitigation systems or measures.

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

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

Since the most highly contaminated soils were removed during the excavation project and the overall contaminant trends in groundwater appear to be stable to decreasing, natural attenuation appears to be an effective remedy to reduce the remaining contaminant mass and concentration.

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

The soil excavation project removed soil contamination in the source area within the upper eight feet of ground surface that exceeded the NR720 Groundwater and Direct Contact RCL and/or Soil Saturation Concentration (C-Sat) values. Remaining soil and groundwater contamination will be addressed by natural attenuation.

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

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

L. Identify the need for a ch. NR 140, Wis. Adm. Code, groundwater Preventive Action Limit (PAL) or Enforcement Standard (ES) exemption, and identify the affected monitoring points and applicable substances.
Monitoring wells MW-1R (Lead, Benzene, Ethylbenzene, Naphthalene, Toluene, Trimethylbenzenes, and Xylene) and MW-2R (Benzene, Ethylbenzene, Naphthalene, Toluene, Trimethylbenzenes, and Xylene), currently exceed the NR140 PAL or ES.

M. If a DNR action level for vapor intrusion was exceeded (for indoor air, sub slab, or both) describe where it was exceeded and how the pathway was addressed.
No Sub-Slab sample currently exceeds the WDNR Small Commercial Sub-Slab Vapor Action Levels.

N. Describe the surface water and/or sediment contaminant concentrations and areas after remediation. If a DNR action level was exceeded, describe where it was exceeded and how the pathway was addressed.
No surface water and/or sediment samples were collected.

5. Continuing Obligations: Situations where sites, including all affected properties and rights-of-way (ROWs), are included on the DNR's GIS Registry. In certain situations, maintenance plans are also required, and must be included in Attachment D.
Directions: For each of the 3 property types below, check all situations that apply to this closure request.
(NOTE: Monitoring wells to be transferred to another site are addressed in Attachment E.)

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

6. Underground Storage Tanks

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

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

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

General Instructions

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

Data Tables (Attachment A)

Directions for Data Tables:

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

A. Data Tables

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

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

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

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

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

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

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

Maps, Figures and Photos (Attachment B)

Directions for Maps, Figures and Photos:

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

B.1. Location Maps

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

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

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

B.2. Soil Figures

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

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

B.3. Groundwater Figures

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

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

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

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

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

B.4. Vapor Maps and Other Media

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

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

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

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

Documentation of Remedial Action (Attachment C)

Directions for Documentation of Remedial Action:

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

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

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

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

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

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

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

Maintenance Plan(s) and Photographs (Attachment D)

Directions for Maintenance Plans and Photographs:

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

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

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

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

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

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

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

Monitoring Well Information (Attachment E)

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

Select One:

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

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

◯ ***Select One or More:***

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

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

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

Source Legal Documents (Attachment F)

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

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

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

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

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

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

Notifications to Owners of Affected Properties (Attachment G)

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

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

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

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

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

Notifications to Owners of Affected Properties (Attachment G)

ID	Address of Affected Property	Parcel ID No.	Date of Receipt of Letter	Type of Property Owner	WTMX	WTMY	Reasons Notification Letter Sent: 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	State Highway 13	None	09/13/2018	ROWH	414271	701109	X	X											
B																			
C																			
D																			

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 P. E. # 33227-006

Title Engineer P.E. Stamp

WISCONSIN THOMAS P. PIGNET 33227-006 LA CROSSE WISCONSIN 10/28/19 PROFESSIONAL ENGINEER

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

Title Senior Hydrogeologist/Project Manager Date 10/28/19

Attachment A/Data Tables

A.1 Groundwater Analytical Tables

A.2 Soil Analytical Results Table

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 – Natural Attenuation Data and Slug Test Calculations

A.1 Groundwater Analytical Table
Port Wing Automotive Site BRRT's#03-04-234613

Well MW-1/1R MW-1R 676.18 9/11/2017
PVC Elevation = MW-1 676.06 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
06/24/15	664.78	11.28	*11.1*	**630**	**1600**	<110	**1130**	**9800**	**5140**	**24700**
09/24/15	662.91	13.15	NS	**740**	**1330**	<49	**610**	**9100**	**4760**	**20000**
12/22/15	663.85	12.21	*7.4*	**830**	**2570**	<49	**1050**	**11400**	**8160**	**26500**
03/22/16	669.44	6.62	**17**	**590**	**1520**	<110	**880**	**8700**	**4960**	**23900**
06/12/17	MW-1 WAS ABANDONED/REMOVED DURING EXCAVATION PROJECT									
08/21/17	MW-1 WAS REPLACE WITH MW-1R									
09/11/17	668.30	7.88	*5.8*	**360**	**1940**	<82	**500**	**11800**	**2840**	**12700**
12/11/17	668.02	8.16	<0.9	**470**	**2070**	<43	**420**	**11300**	**2690**	**11700**
03/07/18	666.16	10.02	1.3	**264**	**1950**	<28	**350**	**10100**	**2360**	**11800**
06/05/18	669.89	6.29	**28.0**	**139**	**1610**	<57	**470**	**2590**	**2950**	**7900**
02/19/19	666.47	9.71	<0.8	**68**	**1440**	<28.5	**360**	**1930**	**2300**	**8350**
05/13/19	670.27	5.91	*3.0*	**13**	*400*	<14	**112**	*176*	**1233**	**2110**
ENFORCE MENT STANDARD **ES = Bold**			**15**	**5**	**700**	**60**	**100**	**800**	**480**	**2000**
PREVENTIVE ACTION LIMIT *PAL = Italics*			*1.5*	*0.5*	*140*	*12*	*10*	*160*	*96*	*400*

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

Well MW-2/MW-2R MW-2R 675.47
PVC Elevation = MW-2 675.51 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
06/24/15	666.02	9.49	<0.7	<22	**1230**	<55	**660**	*268*	**4050**	**10340**
09/24/15	665.01	10.50	NS	**33**	**1050**	<24.5	**450**	*211*	**4000**	**8090**
12/22/15	665.44	10.07	NS	**29.9**	**1330**	<24.5	**480**	*370*	**4070**	**9780**
03/22/16	667.26	8.25	NS	<22	**950**	<55	**520**	64	**3410**	**8170**
06/12/17	MW-2 WAS ABANDONED/REMOVED DURING EXCAVATION PROJECT									
08/21/17	MW-2 WAS REPLACE WITH MW-2R									
09/11/17	666.56	8.91	NS	**76**	**1650**	<41	**470**	**860**	**2780**	**10040**
12/11/17	665.92	9.55	NS	**98**	**1600**	<21.5	**570**	**890**	**3130**	**9390**
03/07/18	663.36	12.11	NS	**96**	**2030**	<14	**430**	**1110**	**3080**	**12000**
06/05/18	666.39	9.08	NS	**93**	**1350**	<28.5	**430**	**960**	**3110**	**8290**
02/19/19	662.93	12.54	NS	**48**	**1390**	<28.5	**530**	*760*	**2630**	**8330**
05/13/19	665.48	9.99	NS	**21**	**1070**	<14	**350**	*640*	**2340**	**6720**
ENFORCE MENT STANDARD **ES = Bold**			**15**	**5**	**700**	**60**	**100**	**800**	**480**	**2000**
PREVENTIVE ACTION LIMIT *PAL = Italics*			*1.5*	*0.5*	*140*	*12*	*10*	*160*	*96*	*400*

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

A.1 Groundwater Analytical Table
Port Wing Automotive Site BRRT's#03-04-234613

Well MW-3
PVC Elevation = 674.75 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
06/24/15	661.68	13.07	NS	*2.5*	23.3	<1.1	<1.6	5.9	11.8-13.3	22.5
09/24/15	661.66	13.09	NS	*3.6*	27.1	<0.49	<2.6	16	12.7	31.2
12/22/15	664.53	10.22	<0.7	*4.7*	14	<0.49	**314**	2.99	17	18
03/22/16	666.76	7.99	NS	*1.83*	13.3	<1.1	4.9	0.88	14.6	20.34
09/11/17	666.30	8.45	NS	*1.54*	24.6	<0.82	2.41	2.46	19.75	21.7
12/11/17	665.40	9.35	NS	*1.55*	23.1	<0.43	2.49	2.39	20.04	23.3
03/07/18	662.71	12.04	NS	*2.43*	33	<0.28	<2.1	3.9	16.2-16.83	24.3
06/05/18	666.48	8.27	NS	*2.26*	16.1	<0.57	7.7	1.97	22.9	28.4
02/19/19	662.34	12.41	NS	*2.67*	2.06	<0.57	<1.7	0.79	5.7-6.45	4.84
05/13/19	667.16	7.59	NS	0.46	6.1	<0.28	<2.1	0.39	8.03	6.05
ENFORCE MENT STANDARD **ES = Bold**			**15**	**5**	**700**	**60**	**100**	**800**	**480**	**2000**
PREVENTIVE ACTION LIMIT *PAL = Italics*			*1.5*	*0.5*	*140*	*12*	*10*	*160*	*96*	*400*

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

Well MW-4
PVC Elevation = 676.15 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
06/24/15	669.13	7.02	<0.7	<0.44	<0.71	<1.1	<1.6	0.44	<3.1	<3.1
09/24/15	667.97	8.18	0.7	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
12/22/15	670.04	6.11	NS	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
03/22/16	672.77	3.38	NS	<0.44	<0.71	<1.1	<1.6	<0.44	<3.1	<3.1
09/11/17	672.83	3.32	NS	<0.17	<0.2	<0.82	<2.17	<0.67	<2.05	<1.95
12/11/17	672.30	3.85	NS	<0.27	<0.56	<0.43	<1.7	<0.33	<1.14	<1.71
03/07/18	668.27	7.88	NS	<0.22	<0.26	<0.28	<2.1	<0.19	<1.43	<0.72
06/05/18	673.62	2.53	NS	<0.22	<0.53	<0.57	<1.7	<0.45	<1.48	<1.58
02/19/19	668.54	7.61	NS	<0.22	<0.53	<0.57	<1.7	<0.45	<1.48	<1.58
05/13/19	674.05	2.10	NS	<0.22	<0.53	<0.57	<1.7	<0.45	<1.48	<1.58
ENFORCE MENT STANDARD **ES = Bold**			**15**	**5**	**700**	**60**	**100**	**800**	**480**	**2000**
PREVENTIVE ACTION LIMIT *PAL = Italics*			*1.5*	*0.5*	*140*	*12*	*10*	*160*	*96*	*400*

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

A.1 Groundwater Analytical Table
Port Wing Automotive Site BRRT's#03-04-234613

Well MW-5
PVC Elevation = 675.11 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
06/24/15	664.13	10.98	*6.5*	<0.44	1.9	<1.1	<1.6	<0.44	3.7-4.2	2.42-2.51
09/24/15	667.64	7.47	<0.7	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
12/22/15	667.21	7.90	NS	<0.46	10.4	<0.49	<2.6	0.78	18.99	10.33
03/22/16	670.33	4.78	NS	<0.44	<0.71	<1.1	<1.6	<0.44	<3.1	<3.1
09/11/17	669.29	5.82	NS	<0.17	<0.2	<0.82	<2.17	<0.67	<2.05	<1.95
12/11/17	667.37	7.74	NS	**5.2**	*181*	<0.43	*56*	10.8	**577**	324.3
03/07/18	663.22	11.89	NS	<0.22	<0.26	<0.28	<2.1	<0.19	<1.43	<0.72
06/05/18	668.16	6.95	NS	*1.96*	61	<0.57	*23.8*	4.8	*191*	104.2
02/19/19	664.54	10.57	NS	*1.65*	32	<0.57	*20.5*	1.41	80-80.75	23.6
05/13/19	668.89	6.22	NS	<0.22	<0.53	<0.57	<1.7	<0.45	<1.48	<1.58
ENFORCE MENT STANDARD **ES = Bold**			**15**	**5**	**700**	**60**	**100**	**800**	**480**	**2000**
PREVENTIVE ACTION LIMIT *PAL = Italics*			*1.5*	*0.5*	*140*	*12*	*10*	*160*	*96*	*400*

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

Well MW-6
PVC Elevation = 678.02 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
06/24/15	669.80	8.22	<0.7	<0.44	<0.71	<1.1	<1.6	<0.44	<3.1	<3.1
09/24/15	668.38	9.64	<0.7	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
12/22/15	668.81	9.21	NS	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
03/22/16	670.03	7.99	NS	<0.44	<0.71	<1.1	<1.6	<0.44	<3.1	<3.1
09/11/17	671.16	6.86	NS	<0.17	<0.2	<0.82	<2.17	<0.67	<2.05	<1.95
12/11/17	671.23	6.79	NS	<0.27	<0.56	<0.43	<1.7	<0.33	<1.14	<1.71
03/07/18	668.96	9.06	NS	<0.22	<0.26	<0.28	<2.1	<0.19	<1.43	<0.72
06/05/18	671.74	6.28	NS	<0.22	<0.53	<0.57	<1.7	<0.45	<1.48	<1.58
02/19/19	COULD NOT LOCATE									
05/13/19	672.11	5.91	NS	<0.22	<0.53	<0.57	<1.7	<0.45	<1.48	<1.58
ENFORCE MENT STANDARD **ES = Bold**			**15**	**5**	**700**	**60**	**100**	**800**	**480**	**2000**
PREVENTIVE ACTION LIMIT *PAL = Italics*			*1.5*	*0.5*	*140*	*12*	*10*	*160*	*96*	*400*

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

A.1 Groundwater Analytical Table
Port Wing Automotive Site BRRT's#03-04-234613

Well MW-7
PVC Elevation = 675.13 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
06/24/15	669.85	5.28	<0.7	<0.44	<0.71	<1.1	1.64	<0.44	<3.1	<3.1
09/24/15	669.32	5.81	<0.7	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
12/22/15	669.71	5.42	NS	<0.46	<0.73	<0.49	<2.6	<0.39	2.01-2.84	<2.06
03/22/16	670.95	4.18	NS	<0.44	<0.71	<1.1	<1.6	<0.44	<3.1	<3.1
09/11/17	670.52	4.61	NS	<0.17	<0.2	<0.82	<2.17	<0.67	<2.05	<1.95
12/11/17	670.52	4.61	NS	<0.27	<0.56	<0.43	<1.7	<0.33	<1.14	<1.71
03/07/18	669.59	5.54	NS	<0.22	<0.26	<0.28	<2.1	<0.19	<1.43	<0.72
06/05/18	670.56	4.57	NS	<0.22	<0.53	<0.57	<1.7	<0.45	<1.48	<1.58
02/19/19	COULD NOT LOCATE									
05/13/19	671.09	4.04	NS	<0.22	<0.53	<0.57	<1.7	<0.45	<1.48	<1.58
ENFORCE MENT STANDARD **ES = Bold**			**15**	**5**	**700**	**60**	**100**	**800**	**480**	**2000**
PREVENTIVE ACTION LIMIT *PAL = Italics*			*1.5*	*0.5*	*140*	*12*	*10*	*160*	*96*	*400*

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

A.1 Groundwater Analytical Table
Port Wing Automotive Site BRRT's#03-04-234613

Well Sampling Conducted on:	06/24/15	06/24/15	06/24/15	06/24/15	06/24/15	06/24/15	06/24/15	ENFORCE MENT STANDARD = ES – Bold	*PREVENTIVE ACTION LIMIT = PAL - Italics*
VOC's									
Well Name	**MW-1**	**MW-2**	**MW-3**	**MW-4**	**MW-5**	**MW-6**	**MW-7**		
Lead, dissolved/ppb	*11.1*	< 0.7	< 0.7	< 0.7	*6.5*	< 0.7	< 0.7	**15**	*1.5*
Benzene/ppb	**630**	< 22	2.5	< 0.44	< 0.44	< 0.44	< 0.44	**5**	*0.5*
Bromobenzene/ppb	< 48	< 24	< 0.48	< 0.48	< 0.48	< 0.48	< 0.48	==	==
Bromodichloromethane/ppb	< 46	< 23	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	**0.6**	*0.06*
Bromoform/ppb	< 46	< 23	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	**4.4**	*0.44*
tert-Butylbenzene/ppb	< 110	< 55	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	==	==
sec-Butylbenzene/ppb	< 120	< 60	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	==	==
n-Butylbenzene/ppb	< 100	117 "J"	< 1	< 1	< 1	< 1	< 1	==	==
Carbon Tetrachloride/ppb	< 65	< 32.5	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	**5**	*0.5*
Chlorobenzene/ppb	< 46	< 23	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	==	==
Chloroethane/ppb	< 65	< 32.5	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	**400**	*80*
Chloroform/ppb	< 43	< 21.5	< 0.43	< 0.43	< 0.43	< 0.43	< 0.43	**6**	*0.6*
Chloromethane/ppb	< 190	< 95	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	**30**	*3*
2-Chlorotoluene/ppb	< 40	< 20	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	==	==
4-Chlorotoluene/ppb	< 63	< 31.5	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	==	==
1,2-Dibromo-3-chloropropane/p	< 140	< 70	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	**0.2**	*0.02*
Dibromochloromethane/ppb	< 45	< 22.5	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	**60**	*6*
1,4-Dichlorobenzene/ppb	< 49	< 24.5	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	**75**	*15*
1,3-Dichlorobenzene/ppb	< 52	< 26	< 0.52	< 0.52	< 0.52	< 0.52	< 0.52	**600**	*120*
1,2-Dichlorobenzene/ppb	< 46	< 23	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	**600**	*60*
Dichlorodifluoromethane/ppb	< 87	< 43.5	< 0.87	< 0.87	< 0.87	< 0.87	< 0.87	**1000**	*200*
1,2-Dichloroethane/ppb	< 54	< 27	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	**5**	*0.5*
1,1-Dichloroethane/ppb	< 110	< 55	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	**850**	*85*
1,1-Dichloroethene/ppb	< 65	< 32.5	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	**7**	*0.7*
cis-1,2-Dichloroethene/ppb	< 45	< 22.5	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	**70**	*7*
trans-1,2-Dichloroethene/ppb	< 54	< 27	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	**100**	*20*
1,2-Dichloropropane/ppb	< 43	< 21.5	< 0.43	< 0.43	< 0.43	< 0.43	< 0.43	**5**	*0.5*
2,2-Dichloropropane/ppb	< 310	< 155	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	==	==
1,3-Dichloropropane/ppb	< 42	< 21	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	==	==
Di-isopropyl ether/ppb	< 44	< 22	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	==	==
EDB (1,2-Dibromoethane)/ppb	< 63	< 31.5	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	**0.05**	*0.005*
Ethylbenzene/ppb	**1600**	**1230**	23.3	< 0.71	1.9 "J"	< 0.71	< 0.71	**700**	*140*
Hexachlorobutadiene/ppb	< 220	< 110	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	==	==
Isopropylbenzene/ppb	< 82	50 "J"	1.13 "J"	< 0.82	< 0.82	< 0.82	< 0.82	==	==
p-Isopropyltoluene/ppb	< 110	< 55	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	==	==
Methylene chloride/ppb	< 130	< 65	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	**5**	*0.5*
Methyl tert-butyl ether (MTBE)/p	< 110	< 55	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	**60**	*12*
Naphthalene/ppb	**1130**	**660**	< 1.6	< 1.6	< 1.6	< 1.6	1.64 "J"	**100**	*10*
n-Propylbenzene/ppb	263	215	4.5	< 0.77	< 0.77	< 0.77	< 0.77	==	==
1,1,2,2-Tetrachloroethane/ppb	< 52	< 26	< 0.52	< 0.52	< 0.52	< 0.52	< 0.52	**0.2**	*0.02*
1,1,1,2-Tetrachloroethane/ppb	< 48	< 24	< 0.48	< 0.48	< 0.48	< 0.48	< 0.48	**70**	*7*
Tetrachloroethene (PCE)/ppb	< 74	< 37	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	**5**	*0.5*
Toluene/ppb	**9800**	*268*	5.9	0.44 "J"	< 0.44	< 0.44	< 0.44	**800**	*160*
1,2,4-Trichlorobenzene/ppb	< 170	< 85	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	**70**	*14*
1,2,3-Trichlorobenzene/ppb	< 270	< 135	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	==	==
1,1,1-Trichloroethane/ppb	< 84	< 42	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84	**200**	*40*
1,1,2-Trichloroethane/ppb	< 48	< 24	< 0.48	< 0.48	< 0.48	< 0.48	< 0.48	**5**	*0.5*
Trichloroethene (TCE)/ppb	< 47	< 23.5	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	**5**	*0.5*
Trichlorofluoromethane/ppb	< 87	< 43.5	< 0.87	< 0.87	< 0.87	< 0.87	< 0.87	==	==
1,2,4-Trimethylbenzene/ppb	**4100**	**3110**	11.8	< 1.6	3.7 "J"	< 1.6	< 1.6		
1,3,5-Trimethylbenzene/ppb	**1040**	**940**	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	**Total TMB's 480**	*Total TMB's 96*
Vinyl Chloride/ppb	< 17	< 8.5	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	**0.2**	*0.02*
m&p-Xylene/ppb	**16400**	**7400**	19.1	< 2.2	2.42 "J"	< 2.2	< 2.2		
o-Xylene/ppb	**8300**	**2940**	3.4	< 0.9	< 0.9	< 0.9	< 0.9	**Total Xylenes 2000**	*Total Xylenes 400*

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

A.1 Groundwater Analytical Table
(PAH)
Port Wing Automotive Site BRRT's#03-04-234613

Well MW-1

Date	Ace-naphthene (ppb)	Acenaph-thylene (ppb)	Anthracene (ppb)	Benzo(a) anthracene (ppb)	Benzo(a) pyrene (ppb)	Benzo(b) fluoranthene (ppb)	Benzo(g,h,i) Perylene (ppb)	Benzo(k) fluoranthene (ppb)	Chrysene (ppb)	Dibenzo(a,h) anthracene (ppb)	Fluoran-thene (ppb)	Fluorene (ppb)	Indeno(1,2,3-cd) pyrene (ppb)	1-Methyl-naphthalene (ppb)	2-Methyl-naphthalene (ppb)	Naph-thalene (ppb)	Phenan-threne (ppb)	Pyrene (ppb)
06/24/15	<2	<2.1	<2	<1.9	<1.9	<1.9	<2.4	<1.8	<1.7	<2.5	**<1.8**	**2.5**	<1.8	251	480	**740**	5.2	3.8
12/22/15	NOT SAMPLED																	
ENFORCE MENT STANDARD = ES –			**3000**	-	**0.2**	**0.2**	-	-	**0.2**	-	**400**	**400**	-	-	-	**100**	-	**250**
PREVENTIVE ACTION LIMIT = *PAL* -			*600*	-	*0.02*	*0.02*	-	-	*0.02*	-	*80*	*80*	-	-	-	*10*	-	*50*

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

Well MW-2

Date	Ace-naphthene (ppb)	Acenaph-thylene (ppb)	Anthracene (ppb)	Benzo(a) anthracene (ppb)	Benzo(a) pyrene (ppb)	Benzo(b) fluoranthene (ppb)	Benzo(g,h,i) Perylene (ppb)	Benzo(k) fluoranthene (ppb)	Chrysene (ppb)	Dibenzo(a,h) anthracene (ppb)	Fluoran-thene (ppb)	Fluorene (ppb)	Indeno(1,2,3-cd) pyrene (ppb)	1-Methyl-naphthalene (ppb)	2-Methyl-naphthalene (ppb)	Naph-thalene (ppb)	Phenan-threne (ppb)	Pyrene (ppb)
06/24/15	<1	<1.05	<1	<0.95	<0.95	<0.95	<1.2	<0.9	<0.85	<1.25	<0.9	<0.85	<0.9	97	169	**350**	<0.85	<0.9
12/22/15	NOT SAMPLED																	
ENFORCE MENT STANDARD = ES –			**3000**	-	**0.2**	**0.2**	-	-	**0.2**	-	**400**	**400**	-	-	-	**100**	-	**250**
PREVENTIVE ACTION LIMIT = *PAL* -			*600*	-	*0.02*	*0.02*	-	-	*0.02*	-	*80*	*80*	-	-	-	*10*	-	*50*

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

Well MW-3

Date	Ace-naphthene (ppb)	Acenaph-thylene (ppb)	Anthracene (ppb)	Benzo(a) anthracene (ppb)	Benzo(a) pyrene (ppb)	Benzo(b) fluoranthene (ppb)	Benzo(g,h,i) Perylene (ppb)	Benzo(k) fluoranthene (ppb)	Chrysene (ppb)	Dibenzo(a,h) anthracene (ppb)	Fluoran-thene (ppb)	Fluorene (ppb)	Indeno(1,2,3-cd) pyrene (ppb)	1-Methyl-naphthalene (ppb)	2-Methyl-naphthalene (ppb)	Naph-thalene (ppb)	Phenan-threne (ppb)	Pyrene (ppb)
06/24/15	NOT SAMPLED																	
12/22/15	0.041	0.062	<0.02	<0.019	<0.019	<0.019	<0.024	<0.018	<0.017	<0.025	<0.018	0.088	<0.018	0.58	0.182	1.31	0.0249	<0.018
ENFORCE MENT STANDARD = ES –			**3000**	-	**0.2**	**0.2**	-	-	**0.2**	-	**400**	**400**	-	-	-	**100**	-	**250**
PREVENTIVE ACTION LIMIT = *PAL* -			*600*	-	*0.02*	*0.02*	-	-	*0.02*	-	*80*	*80*	-	-	-	*10*	-	*50*

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

A.1 Groundwater Analytical Table
(PAH)
Port Wing Automotive Site BRRT's#03-04-234613

Well MW-4

Date	Ace-naphthene (ppb)	Acenaph-thylene (ppb)	Anthracene (ppb)	Benzo(a) anthracene (ppb)	Benzo(a) pyrene (ppb)	Benzo(b) fluoranthene (ppb)	Benzo(g,h,i) Perylene (ppb)	Benzo(k) fluoranthene (ppb)	Chrysene (ppb)	Dibenzo(a,h) anthracene (ppb)	Fluoran-thene (ppb)	Fluorene (ppb)	Indeno(1,2,3-cd) pyrene (ppb)	1-Methyl-naphthalene (ppb)	2-Methyl-naphthalene (ppb)	Naph-thalene (ppb)	Phenan-threne (ppb)	Pyrene (ppb)
06/24/15	<0.02	<0.021	<0.02	<0.019	<0.019	<0.019	<0.024	<0.018	<0.017	<0.025	<0.018	<0.017	<0.018	<0.018	<0.017	0.025	<0.017	<0.018
12/22/15	NOT SAMPLED																	
ENFORCE MENT STANDARD = ES –			3000	-	0.2	0.2	-	-	0.2	-	400	400	-	-	-	100	-	250
PREVENTIVE ACTION LIMIT = *PAL* -			*600*	-	*0.02*	*0.02*	-	-	*0.02*	-	*80*	*80*	-	-	-	*10*	-	*50*

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

Well MW-5

Date	Ace-naphthene (ppb)	Acenaph-thylene (ppb)	Anthracene (ppb)	Benzo(a) anthracene (ppb)	Benzo(a) pyrene (ppb)	Benzo(b) fluoranthene (ppb)	Benzo(g,h,i) Perylene (ppb)	Benzo(k) fluoranthene (ppb)	Chrysene (ppb)	Dibenzo(a,h) anthracene (ppb)	Fluoran-thene (ppb)	Fluorene (ppb)	Indeno(1,2,3-cd) pyrene (ppb)	1-Methyl-naphthalene (ppb)	2-Methyl-naphthalene (ppb)	Naph-thalene (ppb)	Phenan-threne (ppb)	Pyrene (ppb)
06/24/15	<0.02	<0.021	<0.02	<0.019	<0.019	<0.019	<0.024	<0.018	<0.017	<0.025	<0.018	<0.017	<0.018	<0.018	<0.017	<0.018	<0.017	<0.018
12/22/15	NOT SAMPLED																	
ENFORCE MENT STANDARD = ES –			3000	-	0.2	0.2	-	-	0.2	-	400	400	-	-	-	100	-	250
PREVENTIVE ACTION LIMIT = *PAL* -			*600*	-	*0.02*	*0.02*	-	-	*0.02*	-	*80*	*80*	-	-	-	*10*	-	*50*

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

Well MW-6

Date	Ace-naphthene (ppb)	Acenaph-thylene (ppb)	Anthracene (ppb)	Benzo(a) anthracene (ppb)	Benzo(a) pyrene (ppb)	Benzo(b) fluoranthene (ppb)	Benzo(g,h,i) Perylene (ppb)	Benzo(k) fluoranthene (ppb)	Chrysene (ppb)	Dibenzo(a,h) anthracene (ppb)	Fluoran-thene (ppb)	Fluorene (ppb)	Indeno(1,2,3-cd) pyrene (ppb)	1-Methyl-naphthalene (ppb)	2-Methyl-naphthalene (ppb)	Naph-thalene (ppb)	Phenan-threne (ppb)	Pyrene (ppb)
06/24/15	<0.02	<0.021	<0.02	<0.019	<0.019	<0.019	<0.024	<0.018	<0.017	<0.025	<0.018	<0.017	<0.018	<0.018	<0.017	<0.018	<0.017	<0.018
12/22/15	NOT SAMPLED																	
ENFORCE MENT STANDARD = ES –			3000	-	0.2	0.2	-	-	0.2	-	400	400	-	-	-	100	-	250
PREVENTIVE ACTION LIMIT = *PAL* -			*600*	-	*0.02*	*0.02*	-	-	*0.02*	-	*80*	*80*	-	-	-	*10*	-	*50*

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

A.1 Groundwater Analytical Table
(PAH)
Port Wing Automotive Site BRRT's#03-04-234613

Well MW-7

Date	Ace-naphthene (ppb)	Acenaph-thylene (ppb)	Anthracene (ppb)	Benzo(a) anthracene (ppb)	Benzo(a) pyrene (ppb)	Benzo(b) fluoranthene (ppb)	Benzo(g,h,I) Perylene (ppb)	Benzo(k) fluoranthene (ppb)	Chrysene (ppb)	Dibenzo(a,h) anthracene (ppb)	Fluoran-thene (ppb)	Fluorene (ppb)	Indeno(1,2,3-cd) pyrene (ppb)	1-Methyl-naphthalene (ppb)	2-Methyl-naphthalene (ppb)	Naph-thalene (ppb)	Phenan-threne (ppb)	Pyrene (ppb)
06/24/15	<0.02	<0.021	<0.02	<0.019	<0.019	<0.019	<0.024	<0.018	<0.017	<0.025	<0.018	<0.017	<0.018	<0.018	<0.017	0.034	<0.017	<0.018
12/22/15	NOT SAMPLED																	
ENFORCE MENT STANDARD = **ES –**			**3000**	-	**0.2**	**0.2**	-	-	**0.2**	-	**400**	**400**	-	-	-	**100**	-	**250**
PREVENTIVE ACTION LIMIT = *PAL* -			*600*	-	*0.02*	*0.02*	-	-	*0.02*	-	*80*	*80*	-	-	-	*10*	-	*50*

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

A.1 Groundwater Analytical Table
(Geoprobe)
Port Wing Automotive BRRTS# 03-04-234613

Sample ID	Date	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
G-1-W	06/03/14	**530**	*390*	<37	**550**	**4900**	**5040**	**13300**
G-2-W	06/03/14	**1000**	**1470**	<37	**2280**	**13500**	**17600**	**38600**
G-3-W	06/03/14	**16**	*285*	<1.85	**440**	22	**3680**	**3780**
G-4-W	06/03/14	**7.7**	69	<0.37	*18.7*	6.8	*362*	283.8
G-5-W	06/03/14	**6.0**	48	<1.85	*15*	4.9	**697**	334
G-6-W	06/03/14	<0.27	<0.82	<0.37	<1.2	<0.8	1.01-1.87	<2.41
G-7-W	06/03/14	<0.27	<0.82	<0.37	<1.2	<0.8	0.83-1.69	<2.41
G-8-W	06/03/14	*1.19*	2.55	<0.37	<1.2	1.29	1.47-2.33	4.1-4.91
G-9-W	06/03/14	**1320**	**3030**	<37	**1080**	**24000**	**5480**	**24900**
G-10-W	06/03/14	**64**	*283*	<37	**203**	<80	**1810**	*668*
G-11-W	06/03/14	*0.55*	2.63	<0.37	7.6	5.1	21.1	26.1
G-13-W	06/03/14	0.47	6.0	<0.37	*11.1*	0.88	25.4	29.5
G-14-W	06/03/14	<2.7	<8.2	<3.7	<12	<8	<16.9	<24.1
G-15-W	06/03/14	<2.7	<8.2	<3.7	<12	<8	<16.9	<24.1
G-16-W	06/03/14	*3.03*	<4.1	<1.85	<6	<4	<8.45	<12.05
ENFORCE MENT STANDARD ES = Bold		**5**	**700**	**60**	**100**	**800**	**480**	**2000**
PREVENTIVE ACTION LIMIT PAL = Italics		*0.5*	*140*	*12*	*10*	*160*	*96*	*400*

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

A.2. Soil Analytical Results Table
Port Wing Automotive BRRTS# 03-04-234613

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)	TPH (total) (ppm)	Other VOC's (ppb)	DIRECT CONTACT Exeedance Count	Hazard Index	Cumulative Cancer Risk
BH-1	4-5.5	U	11/02/89	NOT SAMPLED												83	NS	0		
BH-2	2-3.5	U	11/02/89	NOT SAMPLED												<10	NS	0		
BH-3	9.5-10	U	02/26/90	NOT SAMPLED												<1.0	NS			
BH-4	5-5.5	U	02/26/90	NOT SAMPLED												<10.0	NS			
#1609	8.0	U	10/11/99	NS	NS	NS	3200	<1	**7.20**	**7.10**	NS	<1	**160**	**66**	**35.10**	NS	NS			
#1610	8.0	U	10/11/99	NS	72	NS	NOT SAMPLED									NS	NS			
G-1-1	3.5	U	06/03/14	605	**62.4**	NS	NS	**5.2**	**1.65**	<1.25	**13.20**	**3.06**	**(279)***	**(217)***	**158**	NS	NS	**4**	1.9382	7.7E-06
G-1-2	7.0	U	06/03/14	810	NS	NS	NS	**8**	**62**	<0.250	**43**	**63**	**271***	**86**	**434***	NS	NS			
G-2-1	3.5	U	06/03/14	1550	**36**	NS	NS	**(36)**	**(37)**	<0.500	**(45)**	**88**	**(330)***	**109**	**(577)***	NS	NS	**6**	2.7447	3.7E-05
G-2-2	7.0	U	06/03/14	1520	NS	NS	NS	**4.6**	**6.2**	<0.250	**10.3**	**15.2**	**72**	**23.2**	**114**	NS	NS			
G-3-1	3.5	U	06/03/14	0	**74.6**	NS	NS	<0.025	**<0.025**	**<0.025**	0.046	<0.025	<0.025	<0.025	<0.050	NS	NS	0	0.1869	8.30E-09
G-3-2	7.5	U	06/03/14	470	NS	NS	NS	**0.730**	0.670	<0.025	**1.83**	0.072	**13.8**	**5.2**	**6.95**	NS	NS			
G-4-1	3.5	U	06/03/14	0	25.5	NS	NS	**0.370**	0.530	<0.025	0.205	0.151	**5.5**	**3.4**	3.93	NS	NS	0	0.0360	3.9E-07
G-4-2	7.0	U	06/03/14	900	NS	NS	NS	**3.2**	**29.2**	<0.250	**10.8**	**11.1**	**68**	**23.4**	**149**	NS	NS			
G-5-1	3.5	U	06/03/14	0	20.3	NS	NS	<0.025	<0.025	<0.025	<0.0211	**<0.025**	**<0.025**	<0.025	**<0.050**	NS	NS	0		
G-5-2	7.0	U	06/03/14	1800	4.49	NS	NS	<0.0092	0.750	<0.030	**0.890**	**<0.020**	**12.6**	**5.9**	**6.52**	NS	SEE VOC SHEET			
G-6-1	3.5	U	06/03/14	0	NS	NS	NS	NOT SAMPLED								NS	NS	0		
G-6-2	7.0	U	06/03/14	0	NS	NS	NS	NOT SAMPLED								NS	NS			
G-7-1	3.5	U	06/03/14	0	NS	NS	NS	NOT SAMPLED								NS	NS	0		
G-7-2	7.0	U	06/03/14	0	NS	NS	NS	NOT SAMPLED								NS	NS			
G-8-1	3.5	U	06/03/14	0	NS	NS	NS	NOT SAMPLED								NS	NS	0		
G-8-2	6.0	U	06/03/14	5	NS	NS	NS	<0.025	0.095	<0.025	**0.750**	**<0.025**	0.570	0.224	0.104-0.129	NS	NS			
G-9-1	3.5	U	06/03/14	25	3.68	NS	NS	**0.035**	0.102	<0.025	0.0303	0.077	0.580	0.184	0.743	NS	NS	0	0.0036	4.0E-08
G-9-2	8.0	U	06/03/14	400	NS	NS	NS	**18.8**	**91**	**<0.500**	**39**	**320**	**294***	**92**	**630***	NS	NS			
G-10-1	3.5	U	06/03/14	5	3.81	NS	NS	<0.025	<0.025	**<0.025**	<0.0211	<0.025	**<0.025**	<0.025	**<0.050**	NS	NS	0		
G-10-2	8.0	U	06/03/14	755	NS	NS	NS	**1.73**	**6.2**	<0.125	**4**	**0.500**	**53**	**20**	**26.43**	NS	NS			
G-11-1	3.5	U	06/03/14	0	<1.5	NS	NS	<0.025	<0.025	**<0.025**	<0.0211	0.0283	**<0.025**	<0.025	**<0.050**	NS	NS	0		
G-11-2	6.0	U	06/03/14	0	NS	NS	NS	**<0.025**	<0.025	<0.025	**<0.0211**	**<0.025**	**<0.025**	**<0.025**	<0.050	NS	NS			
G-12-1	3.5	U	06/03/14	0	<1.5	NS	NS	**<0.025**	**<0.025**	<0.025	<0.0211	<0.025	**<0.025**	<0.025	**<0.050**	NS	NS	0		
G-12-2	6.0	U	06/03/14	0	NS	NS	NS	<0.025	**<0.025**	**<0.025**	**<0.025**	<0.025	**<0.025**	<0.025	**<0.050**	NS	NS			
G-13-1	3.5	U	06/03/14	100	NS	NS	NS	<0.025	**<0.025**	**<0.025**	**<0.0211**	**<0.025**	**<0.025**	<0.025	**<0.050**	NS	NS			
G-13-2	9.0	U	06/03/14	330	NS	NS	NS	**7**	**9.9**	**<0.250**	**17.9**	0.770	**33**	**13.6**	**54.6**	NS	NS			
G-14-1	3.5	U	06/03/14	0	NS	NS	NS	**<0.025**	**<0.025**	**<0.025**	**<0.0211**	<0.025	**<0.025**	<0.025	**<0.050**	NS	NS	0		
G-14-2	8.0	U	06/03/14	0	NS	NS	NS	<0.025	**<0.025**	**<0.025**	**<0.025**	**<0.025**	**<0.025**	**<0.025**	**<0.050**	NS	NS			
G-15-1	3.5	U	06/03/14	0	NS	NS	NS	<0.025	**<0.025**	**<0.025**	<0.0211	<0.025	**<0.025**	<0.025	**<0.050**	NS	NS	0	0	1.6E-08
G-15-2	8.0	S	06/03/14	0	NS	NS	NS	**<0.025**	**<0.025**	**<0.025**	**<0.025**	**<0.025**	<0.025	<0.025	<0.050	NS	NS			
G-16-1	3.5	U	06/03/14	0	NS	NS	NS	NOT SAMPLED								NS	NS	0		
G-16-2	8.0	S	06/03/14	0	NS	NS	NS	NOT SAMPLED								NS	NS			
MW-1-1	3.5	U	03/31/15	1400	NS	1810	3700	**(14.2)**	**(41)**	<0.5	**(47)**	**56**	**(340)***	**111**	**(566)***	NS	<0.45 TCLP Lead <0.05 TCLP Benzene	**5**	2.3496	2.3E-05
MW-1-2	7.0	U	03/31/15	1475	NS	NS	NS	NOT SAMPLED								NS	NS			
MW-1-3	14.0	S	03/31/15	425	NS	NS	NS	NOT SAMPLED								NS	NS			
MW-2-1	3.5	U	03/31/15	0	NS	NS	NS	NOT SAMPLED								NS	NS	0		
MW-2-2	7.0	U	03/31/15	1350	NS	1150	3030	**21**	**77**	<1.25	**46**	**13.30**	**274***	**101**	**542***	NS	NS			
MW-2-3	14.0	S	03/31/15	1255	NS	NS	NS	NOT SAMPLED								NS	NS			
MW-3-1	3.5	U	03/31/15	0	NS	NS	NS	**<0.025**	**<0.025**	**<0.025**	<0.025	<0.025	<0.025	<0.025	<0.075	NS	NS	0		
MW-3-2	7.0	U	03/31/15	0	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	**<0.025**	<0.025	<0.075	NS	NS			
MW-3-3	14.0	S	03/31/15	0	NS	NS	NS	NOT SAMPLED								NS	NS			
MW-4-1	3.5	U	03/31/15	0	NS	NS	NS	**<0.025**	**<0.025**	**<0.025**	**<0.025**	<0.025	<0.025	<0.025	<0.075	NS	NS	0		
MW-4-2	8.0	U	03/31/15	0	NS	NS	NS	NOT SAMPLED								NS	NS			
MW-4-3	14.0	S	03/31/15	0	NS	NS	NS	NOT SAMPLED								NS	NS			
MW-5-1	3.5	U	03/31/15	0	NS	NS	NS	**<0.025**	**<0.025**	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	NS	0		
MW-5-2	8.0	U	03/31/15	0	NS	NS	NS	NOT SAMPLED								NS	NS			
MW-5-3	14.0	S	03/31/15	0	NS	NS	NS	NOT SAMPLED								NS	NS			
MW-6-1	3.5	U	03/31/15	0	NS	NS	NS	NOT SAMPLED								NS	NS	0		
MW-6-2	8.0	U	03/31/15	0	NS	NS	NS	NOT SAMPLED								NS	NS			
MW-6-3	14.0	S	03/31/15	0	NS	NS	NS	NOT SAMPLED								NS	NS			
MW-7-1	3.5	U	03/31/15	0	NS	NS	NS	NOT SAMPLED								NS	NS	0		
MW-7-2	6.0	U	03/31/15	0	NS	NS	NS	<0.025	<0.025	<0.025	**<0.025**	**<0.025**	<0.025	<0.025	**<0.075**	NS	NS			
MW-7-3	14.0	S	03/31/15	0	NS	NS	NS	NOT SAMPLED								NS	NS			
G-17-1	3.5	U	03/23/17	676	NS	NS	NS	NOT SAMPLED								NS	TCLP Benzene <0.05	0		
G-17-2	6.0	U	03/23/17	414	NS	NS	NS	NOT SAMPLED								NS	NS			
G-18-1	3.5	U	03/23/17	77	NS	NS	NS	NOT SAMPLED								NS	NS	0		
G-18-2	7.0	U	03/23/17	379	NS	NS	NS	NOT SAMPLED								NS	TCLP Benzene <0.05			
EX-1	3.5	U	06/12/17	9	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	NS	0		
EX-2	7.0	U	06/12/17	1100	NS	NS	NS	**0.69**	**4.2**	<0.125	**7.4**	**3.05**	**15.6**	**5.7**	**17.5**	NS	NS			
EX-3	3.5	U	06/12/17	4	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	NS	0		
EX-4	7.0	U	06/12/17	2300	NS	NS	NS	**8.8**	**45**	<0.125	**12.3**	**50**	**100**	**34**	**221**	NS	NS			
EX-5	3.5	U	06/12/17	13	NS	NS	NS	<0.025	0.144	<0.025	<0.025	0.061	0.116	0.037	0.301	NS	NS	0	0.0008	1.8E-08
EX-6	7.0	U	06/12/17	2400	NS	NS	NS	**5.6**	**27.5**	<0.125	**13.2**	**55**	**93**	**30.8**	**179**	NS	NS			
EX-7	8.0	U	06/12/17	2300	NS	NS	NS	**4.2**	**29.4**	<0.125	**11.7**	**50**	**68**	**24**	**129**	NS	NS			
EX-8	3.5	U	06/12/17	6	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	NS	0		
EX-9	7.0	U	06/12/17	1500	NS	NS	NS	**6.7**	**54**	<0.25	**17**	**15.5**	**141**	**50**	**302***	NS	NS			
EX-10	8.0	U	06/12/17	1040	NS	NS	NS	**3.6**	9.50	<0.25	**8.5**	**15.7**	**78**	**30.7**	**97**	NS	NS			
EX-11	3.5	U	06/12/17	100	NS	NS	NS	**0.65**	**3.7**	<0.025	**4.3**	**3.12**	**26.9**	**8.7**	**31**	NS	NS	0	0.1675	1.6E-06
EX-12	7.0	U	06/12/17	630	NS	NS	NS	**8.1**	**40**	<1.25	**44**	**60**	**202**	**65**	**304***	NS	NS			
EX-13	3.5	U	06/12/17	25	NS	NS	NS	**1.34**	**14.70**	<0.125	**11.8**	**13.5**	**74**	**23.6**	**94.8**	NS	NS	**2**	0.4690	4.8E-06
EX-14	7.0	U	06/12/17	3000	NS	NS	NS	**15.8**	**107**	<0.5	**64**	**159**	**420***	**137**	**597***	NS	NS			
EX-15	3.5	U	06/12/17	4	NS	NS	NS	<0.025	**<0.025**	**<0.025**	**<0.025**	<0.025	**<0.025**	<0.025	**<0.075**	NS	NS	0		
EX-16	7.0	U	06/12/17	7	NS	NS	NS	**<0.025**	**<0.025**	**<0.025**	**<0.025**	**<0.025**	**<0.025**	<0.025	**<0.075**	NS	NS			
EX-17	3.5	U	06/12/17	11	NS	NS	NS	**0.49**	0.46	<0.025	**4.1**	0.84	**19.6**	**6.6**	**15.1**	NS	NS	0	0.1184	1.1E-06
EX-18	7.0	U	06/12/17	8	NS	NS	NS	**<0.025**	**<0.025**	**<0.025**	**<0.025**	**<0.025**	**<0.025**	<0.025	**<0.075**	NS	NS			
EX-19	8.0	U	06/12/17	3	NS	NS	NS	**<0.025**	**<0.025**	**<0.025**	**<0.025**	**<0.025**	**<0.025**	<0.025	**<0.075**	NS	NS			
EX-20	3.5	U	06/12/17	2	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	**<0.025**	<0.025	**<0.075**	NS	NS	0		
EX-21	7.0	U	06/12/17	10	NS	NS	NS	**<0.025**	**<0.025**	**<0.025**	**<0.025**	**<0.025**	**<0.025**	<0.025	**<0.075**	NS	NS			
EX-22	3.5	U	06/12/17	5	NS	NS	NS	**<0.025**	<0.025	<0.025	**<0.025**	**<0.025**	**<0.025**	<0.025	**<0.075**	NS	NS	0		
EX-23	7.0	U	06/12/17	90	NS	NS	NS	**0.248**	0.59	<0.025	**1.21**	0.36	**8.9**	**3.9**	**4.21**	NS	NS			
EX-24	3.5	U	06/12/17	5	NS	NS	NS	<0.025	**<0.025**	**<0.025**	**<0.025**	**<0.025**	**<0.025**	<0.025	**<0.075**	NS	NS	0		
EX-25	7.0	U	06/12/17	20	NS	NS	NS	**<0.025**	**<0.025**	<0.025	**<0.025**	**<0.025**	**<0.025**	**<0.025**	<0.075	NS	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
(PAH)
Port Wing Automotive BRRTS# 03-04-234613

																					DIRECT CONTACT PVOC & PAH COMBINED		
Sample	Depth (feet)	Saturation U/S	Date	Acenaph-thene (ppm)	Acenaph-thylene (ppm)	Anthracene (ppm)	Benzo(a) anthracene (ppm)	Benzo(a) pyrene (ppm)	Benzo(b) fluoranthene (ppm)	Benzo(g,h,i) perylene (ppm)	Benzo(k) fluoranthene (ppm)	Chrysene (ppm)	Dibenzo(a,h) anthracene (ppm)	Fluoranthene (ppm)	Fluorene (ppm)	Indeno(1,2,3-cd) pyrene (ppm)	1-Methyl-naphthalene (ppm)	2-Methyl-naphthalene (ppm)	Naph-thalene (ppm)	Phenan-threne (ppm)	Pyrene (ppm)	Exeedance Count	Hazard Index	Cumulative Cancer Risk
G-1-1	3.5	U	06/03/14	0.267	0.101	<0.0925	**0.107**	<0.095	<0.090	<0.115	<0.103	<0.0925	<0.112	0.104	0.313	<0.122	15.5	15.9	**13.2**	0.215	0.420	**4**	1.9382	7.7E-06
G-1-2	7.0	U	06/03/14	NOT SAMPLED																				
G-2-1	3.5	U	06/03/14	<0.211	<0.195	<0.185	<0.184	<0.190	<0.180	<0.230	<0.206	<0.185	<0.224	<0.181	<0.200	<0.244	**23.1**	50	**(45)**	<0.247	<0.200	6	2.7447	3.7E-05
G-2-2	7.0	U	06/03/14	NOT SAMPLED																				
G-3-1	3.5	U	06/03/14	<0.0211	<0.0195	<0.0185	<0.0184	<0.190	<0.180	<0.230	<0.206	<0.185	<0.224	<0.181	<0.200	<0.244	<0.0195	0.0261	0.046	<0.247	<0.200	0	0.1869	8.30E-09
G-3-2	7.5	U	06/03/14	NOT SAMPLED																				
G-4-1	3.5	U	06/03/14	<0.0211	<0.0195	<0.0185	0.0189	<0.190	0.0243	0.042	<0.206	<0.185	<0.224	<0.181	<0.200	<0.244	0.226	0.360	0.205	<0.247	0.049	0	0.0360	3.9E-07
G-4-2	7.0	U	06/03/14	NOT SAMPLED																				
G-5-1	3.5	U	06/03/14	<0.211	<0.195	<0.185	<0.184	<0.190	<0.180	<0.230	<0.206	<0.185	<0.224	<0.181	<0.200	<0.244	<0.0195	<0.0204	<0.0211	<0.0247	<0.020	0		
G-5-2	7.0	U	06/03/14	NOT SAMPLED																				
G-6-1	3.5	U	06/03/14	NOT SAMPLED																		0		
G-6-2	7.0	U	06/03/14	NOT SAMPLED																				
G-7-1	3.5	U	06/03/14	NOT SAMPLED																		0		
G-7-2	7.0	U	06/03/14	NOT SAMPLED																				
G-8-1	3.5	U	06/03/14	NOT SAMPLED																		0		
G-8-2	6.0	U	06/03/14	NOT SAMPLED																				
G-9-1	3.5	U	06/03/14	<0.211	<0.195	<0.185	<0.184	<0.190	<0.180	<0.230	<0.206	<0.185	<0.224	<0.181	<0.200	<0.244	<0.0195	0.0244	0.0303	<0.0247	<0.020	0	0.0036	4.0E-08
G-9-2	8.0	U	06/03/14	NOT SAMPLED																				
G-10-1	3.5	U	06/03/14	<0.211	<0.195	<0.185	<0.184	<0.190	<0.180	<0.230	<0.206	<0.185	<0.224	<0.181	<0.200	<0.244	<0.0195	<0.0204	<0.0211	<0.0247	<0.020	0		
G-10-2	8.0	U	06/03/14	NOT SAMPLED																				
G-11-1	3.5	U	06/03/14	<0.211	<0.195	<0.185	<0.184	<0.190	<0.180	<0.230	<0.206	<0.185	<0.224	<0.181	<0.200	<0.244	<0.0195	<0.0204	<0.0211	<0.0247	<0.020	0		
G-11-2	6.0	U	06/03/14	NOT SAMPLED																				
G-12-1	3.5	U	06/03/14	<0.211	<0.195	<0.185	<0.184	<0.190	<0.180	<0.230	<0.206	<0.185	<0.224	<0.181	<0.200	<0.244	<0.0195	<0.0204	<0.0211	<0.0247	<0.020	0		
G-12-2	6.0	U	06/03/14	NOT SAMPLED																				
G-13-1	3.5	U	06/03/14	<0.211	<0.195	<0.185	<0.184	<0.190	<0.180	<0.230	<0.206	<0.185	<0.224	<0.181	<0.200	<0.244	<0.0195	<0.0204	<0.0211	<0.0247	<0.020	0		
G-13-2	9.0	U	06/03/14	NOT SAMPLED																				
G-14-1	3.5	U	06/03/14	<0.211	<0.195	<0.185	<0.184	<0.190	<0.180	<0.230	<0.206	<0.185	<0.224	<0.181	<0.200	<0.244	<0.0195	<0.0204	<0.0211	<0.0247	<0.020	0		
G-14-2	8.0	U	06/03/14	NOT SAMPLED																				
G-15-1	3.5	U	06/03/14	<0.211	<0.195	<0.185	0.0187	<0.190	<0.180	<0.230	<0.206	<0.185	<0.224	0.029	<0.200	<0.244	<0.0195	<0.0204	<0.0211	<0.0247	0.032	0	0	1.6E-08
G-15-2	8.0	S	06/03/14	NOT SAMPLED																				
G-16-1	3.5	U	06/03/14	NOT SAMPLED																		0		
G-16-2	8.0	S	06/03/14	NOT SAMPLED																				
Groundwater RCL				---	---	**197**	---	**0.47**	**0.4793**	---	---	**0.145**	---	**88.8**	**14.8**	---	---	---	**0.6582**	---	**54.5**			
Non-Industrial Direct Contact RCL				**3590**	---	**17900**	**1.140**	**0.1150**	**1.150**	---	**11.50**	**115**	**0.1150**	**2390**	**2390**	**1.150**	**17.6**	**239**	**5.52**	---	**1790**		**1.00E+00**	**1.00E-05**
Industrial Direct Contact RCL				**(45200)**	---	**(100000)**	**(20.8)**	**(2.11)**	**(21.1)**	---	**(211)**	**(2110)**	**(2.11)**	**(30100)**	**(30100)**	**(21.1)**	**(72.7)**	**(3010)**	**(24.1)**	---	**(22600)**			
Soil Saturation Concentration (C-sat)*				---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---			

Bold = Groundwater RCL Exceedance
Bold & Underline = Non Industrial Direct Contact RCL Exceedance
(Bold & Parentheses) = Industrial Direct Contact RCL Exceedance
Bold &Asteric * = C-sat Exceedance
Italics = Industrial Direct Contact RCL
NS = Not Sampled
NM = Not Measured
(ppm) = parts per million
ND = No Detects
PAH = Polynuclear Aromatic Hydrocarbons
PID = Photoionization Detector
VOC's = Volatile Organic Compounds

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

A.2. Soil Analytical Results Table
Port Wing Automotive BRRTS# 03-04-234613

Sampling Conducted on June 3, 2014

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-5-2				
Sample Depth/ft.	7				
Solids Percent	90				
Lead/ppm	0.00449	**27**	400	**(800)**	= =
Benzene/ppm	< 0.0092	**0.00512**	1.6	**(7.07)**	1820*
Bromobenzene/ppm	< 0.013	= =	342	**(679)**	= =
Bromodichloromethane/ppm	< 0.027	**0.000326**	0.418	**(1.83)**	= =
Bromoform/ppm	< 0.030	**0.00233**	25.4	**(113)**	= =
tert-Butylbenzene/ppm	< 0.020	= =	183	**(183)**	183*
sec-Butylbenzene/ppm	0.370	= =	145	**(145)**	145*
n-Butylbenzene/ppm	2.09	= =	108	**(108)**	108*
Carbon Tetrachloride/ppm	< 0.025	**0.00388**	0.916	**(4.03)**	= =
Chlorobenzene/ppm	< 0.016	= =	370	**(761)**	761*
Chloroethane/ppm	< 0.042	**0.227**	= =	= =	= =
Chloroform/ppm	< 0.049	**0.0033**	0.454	**(1.98)**	= =
Chloromethane/ppm	< 0.181	**0.0155**	159	**(669)**	= =
2-Chlorotoluene/ppm	< 0.016	= =	= =	= =	= =
4-Chlorotoluene/ppm	< 0.014	= =	= =	= =	= =
1,2-Dibromo-3-chloropropane/ppm	< 0.048	**0.000173**	0.008	**(0.092)**	= =
Dibromochloromethane/ppm	< 0.014	**0.032**	8.28	**(38.9)**	= =
1,4-Dichlorobenzene/ppm	< 0.033	**0.144**	3.74	**(16.4)**	= =
1,3-Dichlorobenzene/ppm	< 0.030	**1.1528**	297	**(193)**	297*
1,2-Dichlorobenzene/ppm	< 0.038	**1.168**	376	**(376)**	376*
Dichlorodifluoromethane/ppm	< 0.057	**3.0863**	126	**(530)**	= =
1,2-Dichloroethane (DCA)/ppm	< 0.036	**0.00284**	0.652	**(2.87)**	540*
1,1-Dichloroethane/ppm	< 0.019	**0.4834**	5.06	**(22.2)**	= =
1,1-Dichloroethene/ppm	< 0.021	**0.00502**	320	**(1190)**	1190*
cis-1,2-Dichloroethene/ppm	< 0.024	**0.0412**	156	**(2340)**	= =
trans-1,2-Dichloroethene/ppm	< 0.029	**0.626**	1560	**(1850)**	= =
1,2-Dichloropropane/ppm	< 0.0095	**0.00332**	0.406	**(1.78)**	= =
2,2-Dichloropropane/ppm	< 0.046	= =	527	**(527)**	= =
1,3-Dichloropropane/ppm	< 0.021	= =	1490	**(1490)**	1490*
Di-isopropyl ether/ppm	< 0.011	= =	2260	**(2260)**	2260*
EDB (1,2-Dibromoethane)/ppm	< 0.020	**0.0000282**	0.05	**(0.221)**	= =
Ethylbenzene/ppm	0.750	**1.57**	8.02	**(35.4)**	480*
Hexachlorobutadiene/ppm	< 0.095	= =	1.63	**(7.19)**	= =
Isopropylbenzene/ppm	0.193	= =	= =	= =	= =
p-Isopropyltoluene/ppm	0.170	= =	162	**(162)**	162*
Methylene chloride/ppm	< 0.057	**0.00256**	61.8	**(1150)**	= =
Methyl tert-butyl ether (MTBE)/ppm	<0.030	**0.027**	63.8	**(282)**	8870*
Naphthalene/ppm	**0.890**	**0.6582**	5.52	**(24.1)**	= =
n-Propylbenzene/ppm	0.930	= =	= =	= =	= =
1,1,2,2-Tetrachloroethane/ppm	< 0.12	**0.000156**	0.81	**(3.6)**	= =
1,1,1,2-Tetrachloroethane/ppm	< 0.23	**0.0534**	2.78	**(12.3)**	= =
Tetrachloroethene (PCE)/ppm	< 0.049	**0.00454**	33	**(145)**	= =
Toluene/ppm	< 0.020	**1.11**	818	**(818)**	818*
1,2,4-Trichlorobenzene/ppm	< 0.079	**0.408**	24	**(113)**	= =
1,2,3-Trichlorobenzene/ppm	< 0.129	= =	62.6	**(934)**	= =
1,1,1-Trichloroethane/ppm	< 0.038	**0.1402**	= =	= =	= =
1,1,2-Trichloroethane/ppm	< 0.023	**0.00324**	1.59	**(7.01)**	= =
Trichloroethene (TCE)/ppm	< 0.028	**0.00358**	1.3	**(8.41)**	= =
Trichlorofluoromethane/ppm	< 0.086	**2.2387**	1230	**(1230)**	1230*
1,2,4-Trimethylbenzene/ppm	12.6	**1.38**	219	**(219)**	219*
1,3,5-Trimethylbenzene/ppm	5.9		182	**(182)**	182*
Vinyl Chloride/ppm	< 0.021	**0.000138**	0.07	**(2.08)**	= =
m&p-Xylene/ppm	4.5	**3.96**	260	**(260)**	258*
o-Xylene/ppm	2.02				

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

A.3. Residual Soil Contamination Table
Port Wing Automotive BRRTS# 03-04-234613

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)	TPH (total) (ppm)	Other VOC's (ppb)	DIRECT CONTACT		
																		Exeedance Count	Hazard Index	Cumulative Cancer Risk
G-8-2	6.0	U	06/03/14	5	NS	NS	NS	<0.025	0.095	<0.025	**0.750**	<0.025	0.570	0.224	0.104-0.129	NS	NS			
G-10-2	8.0	U	06/03/14	755	NS	NS	NS	**1.73**	**6.2**	<0.125	**4**	**0.500**	**53**	**20**	**26.43**	NS	NS			
G-13-2	9.0	U	06/03/14	330	NS	NS	NS	**7**	**9.9**	<0.250	**17.9**	0.770	**33**	**13.6**	**54.6**	NS	NS			
EX-2	7.0	U	06/12/17	1100	NS	NS	NS	**0.69**	**4.2**	<0.125	**7.4**	**3.05**	**15.6**	**5.7**	**17.5**	NS	NS			
EX-4	7.0	U	06/12/17	2300	NS	NS	NS	**8.8**	**45**	<0.125	**12.3**	**50**	**100**	**34**	**221**	NS	NS			
EX-6	7.0	U	06/12/17	2400	NS	NS	NS	**5.6**	**27.5**	<0.125	**13.2**	**55**	**93**	**30.8**	**179**	NS	NS			
EX-7	8.0	U	06/12/17	2300	NS	NS	NS	**4.2**	**29.4**	<0.125	**11.7**	**50**	**68**	**24**	**129**	NS	NS			
EX-9	7.0	U	06/12/17	1500	NS	NS	NS	**6.7**	**54**	<0.25	**17**	**15.5**	**141**	**50**	**302***	NS	NS			
EX-10	8.0	U	06/12/17	1040	NS	NS	NS	**3.6**	9.50	<0.25	**8.5**	**15.7**	**78**	**30.7**	**97**	NS	NS			
EX-11	3.5	U	06/12/17	100	NS	NS	NS	**0.65**	**3.7**	<0.025	**4.3**	**3.12**	**26.9**	**8.7**	**31**	NS	NS	0	0.1675	1.6E-06
EX-12	7.0	U	06/12/17	630	NS	NS	NS	**8.1**	**40**	<1.25	**44**	**60**	**202**	**65**	**304***	NS	NS			
EX-13	3.5	U	06/12/17	25	NS	NS	NS	**1.34**	**14.70**	<0.125	**11.8**	**13.5**	**74**	**23.6**	**94.8**	NS	NS	**2**	0.4690	4.8E-06
EX-14	7.0	U	06/12/17	3000	NS	NS	NS	**15.8**	**107**	<0.5	**64**	**159**	**420***	**137**	**597***	NS	NS			
EX-17	3.5	U	06/12/17	11	NS	NS	NS	**0.49**	0.46	<0.025	**4.1**	0.84	**19.6**	**6.6**	**15.1**	NS	NS	0	0.1184	1.1E-06
EX-23	7.0	U	06/12/17	90	NS	NS	NS	**0.248**	0.59	<0.025	**1.21**	0.36	**8.9**	**3.9**	**4.21**	NS	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
(ppm) = parts per million
DRO = Diesel Range Organics
GRO = Gasoline Range Organics
PID = Photoionization Detector
PVOC's = Petroleum Volatile Organic Compounds
VOC's = Volatile Organic Compounds
Note: Non-Industrial RCLs apply to this site.

U=UNSATURATED (BASED ON ALL TIME LOW WATER TABLE PER WDNR)
S=SATURATED (BASED ON ALL TIME LOW WATER TABLE PER WDNR)
NM = Not Measured
ND = No Detects

A.4 Vapor Analytical Table
Sub-Slab Sampling Data Table for Port Wing Automotive
BY METCO

Sub-Slab Sampling conducted Conducted on March 7, 2018

Sample ID	SS-01	SS-02	SS-03	WDNR Small Commercial Sub-Slab Vapor Action Levels for Various VOCs Quick Look-Up Table Updated November, 2017 (ug/m^3)	
Benzene – ug/m^3	7.7	1.1	1.8	530	c
Carbon Tetrachloride – ug/m^3	NS	NS	NS	670	c
Chloroform – ug/m^3	NS	NS	NS	180	c
Chloromethane – ug/m^3	NS	NS	NS	13000	n
Dichlorodifluoromethane – ug/m^3	NS	NS	NS	15000	n
1,1-Dichloroethane (1,1-DCA) – ug/m^3	NS	NS	NS	2600	c
1,2-Dichloroethane (1,2-DCA) - ug/m^3	NS	NS	NS	160	c
1,1-Dichloroethylene (1,1-DCE) – ug/m^3	NS	NS	NS	29000	n
1,2-Dichloroethylene (cis and trans) - ug/m^3	NS	NS	NS	NA	-
Ethylbenzene – ug/m^3	5.6	<0.22	0.98J	1600	c
Methylene chloride – ug/m^3	NS	NS	NS	87000	n
Methyl Tert-Butyl Ether (MTBE) – ug/m^3	<0.89	<0.87	<0.89	16000	c
Naphthalene – ug/m^3	14.7	2.7J	3.7	120	c
Tetrachloroethylene -ug/m^3	NS	NS	NS	6000	n
Toluene – ug/m^3	13.6	1.2	3.4	730000	n
1,1,1-Trichloroethane – ug/m^3	NS	NS	NS	730000	n
Trichloroethylene – ug/m^3	NS	NS	NS	290	n
Trichlorofluoromethane (Halcarbon 11) – ug/m^3	NS	NS	NS	NA	-
Trimethylbenzene (1,2,4) – ug/m^3	58.4	1.3	11.2	8700	n
Trimethlybenzene (1,3,5) – ug/m^3	17.8	0.73J	2.4	8700	n
Vinyl chloride – ug/m^3	NS	NS	NS	930	c
Xylene (total) -ug/m^3	25.7	1.61J	5.5	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)

A.6 Water Level Elevations
Port Wing Automotive Site BRRT's#03-04-234613
Port Wing, Wisconsin

	MW-1	MW-1R	MW-2	MW-2R	MW-3	MW-4	MW-5	MW-6	MW-7
Ground Surface (feet msl)	676.38	676.52	675.79	675.80	675.23	676.62	675.48	678.38	675.57
PVC top (feet msl)	676.06	676.18	675.51	675.47	674.75	676.15	675.11	678.02	675.13
Well Depth (feet)	14.00	15.00	14.00	15.00	14.00	14.00	14.00	14.00	14.00
Top of screen (feet msl)	672.38	671.52	671.79	670.80	671.23	672.62	671.48	674.38	666.57
Bottom of screen (feet msl)	662.38	661.52	661.79	660.80	661.23	662.62	661.48	664.38	661.57
Depth to Water From Top of PVC (feet)									
6/24/2015	11.28	NI	9.49	NI	13.07	7.02	10.98	8.22	5.28
9/24/2015	13.15	NI	10.50	NI	13.09	8.18	7.47	9.64	5.81
12/22/2015	12.21	NI	10.07	NI	10.22	6.11	7.90	9.21	5.42
3/22/2016	6.62	NI	8.25	NI	7.99	3.38	4.78	7.99	4.18
9/11/2017	A	7.88	A	8.91	8.45	3.32	5.82	6.86	4.61
12/11/2017	A	8.16	A	9.55	9.35	3.85	7.74	6.79	4.61
3/7/2018	A	10.02	A	12.11	12.04	7.88	11.89	9.06	5.54
6/5/2018	A	6.29	A	9.08	8.27	2.53	6.95	6.28	4.57
2/19/2019	A	9.71	A	12.54	12.41	7.61	10.57	CNL	CNL
5/13/2019	A	5.91	A	9.99	7.59	2.10	6.22	5.91	4.04
Depth to Water From Ground Surface (feet)									
6/24/2015	11.60	NI	9.77	NI	13.55	7.49	11.35	8.58	5.72
9/24/2015	13.47	NI	10.78	NI	13.57	8.65	7.84	10.00	6.25
12/22/2015	12.53	NI	10.35	NI	10.70	6.58	8.27	9.57	5.86
3/22/2016	6.94	NI	8.53	NI	8.47	3.85	5.15	8.35	4.62
9/11/2017	A	8.22	A	8.91	8.93	3.79	6.19	7.22	5.05
12/11/2017	A	8.50	A	9.88	9.83	4.32	8.11	7.15	5.05
3/7/2018	A	10.36	A	12.44	12.52	8.35	12.26	9.42	5.98
6/5/2018	A	6.63	A	9.41	8.75	3.00	7.32	6.64	5.01
2/19/2019	A	10.05	A	12.87	12.89	8.08	10.94	CNL	CNL
5/13/2019	A	6.25	A	10.32	8.07	2.57	6.59	6.27	4.48
Groundwater Elevation (feet msl)									
6/24/2015	664.78	NI	666.02	NI	661.68	669.13	664.13	669.80	669.85
9/24/2015	662.91	NI	665.01	NI	661.66	667.97	667.64	668.38	669.32
12/22/2015	663.85	NI	665.44	NI	664.53	670.04	667.21	668.81	669.71
3/22/2016	669.44	NI	667.26	NI	666.76	672.77	670.33	670.03	670.95
9/11/2017	A	668.30	A	666.56	666.30	672.83	669.29	671.16	670.52
12/11/2017	A	668.02	A	665.92	665.40	672.30	667.37	671.23	670.52
3/7/2018	A	666.16	A	663.36	662.71	668.27	663.22	668.96	669.59
6/5/2018	A	669.89	A	666.39	666.48	673.62	668.16	671.74	670.56
2/19/2019	A	666.47	A	662.93	662.34	668.54	664.54	CNL	CNL
5/13/2019	A	670.27	A	665.48	667.16	674.05	668.89	672.11	671.09

CNL = Could Not Locate
A = Abandoned and removed during soil excavation project
NI = Not Installed

A.7 Other
Groundwater NA Indicator Results
Port Wing Automotive Site BRRT's#03-04-234613

Well MW-1/1R

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Man-ganese (ppb)
06/24/15	4.64	6.67	-66	12.0	2047	0.333	12.3	39.2	**4650**
09/24/15	NOT SAMPLED					NS	NS	NS	NS
12/22/15	2.24	7.16	-83	7.5	728	0.47	40.4	40.4	**3058**
03/22/16	1.63	7.27	-84	7.3	1263	NS	NS	NS	NS
06/12/17	MW-1 WAS ABANDONED/REMOVED DURING EXCAVATION PROJECT								
08/21/17	MW-1 WAS REPLACE WITH MW-1R								
09/11/17	0.27	7.84	99	16.0	3058	NS	NS	NS	NS
12/11/17	0.89	7.69	103	8.8	4132	NS	NS	NS	NS
03/07/18	0.37	7.57	76	6.0	2642	NS	NS	NS	NS
06/05/18	1.25	7.35	191	9.8	NM	NS	NS	NS	NS
02/19/19	3.79	7.41	-181.3	5.6	3531	NS	NS	NS	NS
05/13/19	3.68	7.15	-26.7	7.46	2805	NS	NS	NS	NS
ENFORCE MENT STANDARD = **ES – Bold**						**10**	-	-	**300**
PREVENTIVE ACTION LIMIT = *PAL - Italics*						*2*	-	-	*60*

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

Well MW-2/2R

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Man-ganese (ppb)
06/24/15	2.56	7.24	11	13.7	1006	0.186	9.13	15.1	**1010**
09/24/15	3.05	6.55	-2	16.0	621	NS	NS	NS	NS
12/22/15	2.74	7.59	-78	7.5	655	<0.1	12.5	12.5	**3672**
03/22/16	2.17	7.04	-27	7.3	1386	NS	NS	NS	NS
06/12/17	MW-2 WAS ABANDONED/REMOVED DURING EXCAVATION PROJECT								
08/21/17	MW-2 WAS REPLACE WITH MW-2R								
09/11/17	0.22	7.9	126	15.2	660	NS	NS	NS	NS
12/11/17	1.04	7.98	106	8.1	640	NS	NS	NS	NS
03/07/18	0.33	7.87	97	6.4	583	NS	NS	NS	NS
06/05/18	1.51	7.46	28	8.4	NM	NS	NS	NS	NS
02/19/19	3.81	7.81	-170.5	5.1	659	NS	NS	NS	NS
05/13/19	3.62	6.67	-31.4	6.41	737	NS	NS	NS	NS
ENFORCE MENT STANDARD = **ES – Bold**						**10**	-	-	**300**
PREVENTIVE ACTION LIMIT = *PAL - Italics*						*2*	-	-	*60*

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

A.7 Other
Groundwater NA Indicator Results
Port Wing Automotive Site BRRT's#03-04-234613

Well MW-3

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Man-ganese (ppb)
06/24/15	NOT SAMPLED								
09/24/15	NOT SAMPLED					NS	NS	NS	NS
12/22/15	2.90	8.31	-40	7.1	418	<0.1	34.1	30.9	**1683**
03/22/16	2.40	7.06	11	7.1	1114	NS	NS	NS	NS
09/11/17	0.22	7.33	129	14.2	633	NS	NS	NS	NS
12/11/17	1.02	7.42	138	7.4	650	NS	NS	NS	NS
03/07/18	0.47	7.62	142	6.1	521	NS	NS	NS	NS
06/05/18	1.98	7.07	11	7.4	NM	NS	NS	NS	NS
02/19/19	3.90	6.41	126.7	4.56	747	NS	NS	NS	NS
05/13/19	3.78	5.99	-21.3	4.81	683	NS	NS	NS	NS
ENFORCE MENT STANDARD = **ES – Bold**						**10**	-	-	**300**
PREVENTIVE ACTION LIMIT = *PAL - Italics*						*2*	-	-	*60*

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

Well MW-4

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Man-ganese (ppb)
06/24/15	2.97	7.11	22	13.9	1267	1.13	35.5	1.25	*151*
09/24/15	4.16	5.72	210	18.1	1177	NS	NS	NS	NS
12/22/15	4.02	6.68	208	7.4	604	*9.56*	31.1	0.98	*104*
03/22/16	4.03	6.86	204	7.5	522	NS	NS	NS	NS
09/11/17	0.35	7.55	316	19.9	1090	NS	NS	NS	NS
12/11/17	1.59	7.26	306	7.9	940	NS	NS	NS	NS
03/07/18	3.12	7.23	298	5.9	2534	NS	NS	NS	NS
06/05/18	2.89	6.5	284	15.1	NM	NS	NS	NS	NS
02/19/19	4.01	5.37	3.8	3.98	2247	NS	NS	NS	NS
05/13/19	3.91	5.62	-2.0	9.36	849	NS	NS	NS	NS
ENFORCE MENT STANDARD = **ES – Bold**						**10**	-	-	**300**
PREVENTIVE ACTION LIMIT = *PAL - Italics*						*2*	-	-	*60*

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

A.7 Other
Groundwater NA Indicator Results
Port Wing Automotive Site BRRT's#03-04-234613

Well MW-5

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Man-ganese (ppb)
06/24/15	3.69	6.97	74	13.6	1823	0.929	18.3	5.01	**376**
09/24/15	3.17	6.08	200	16.3	1296	NS	NS	NS	NS
12/22/15	3.96	6.54	252	8.2	376	*5.15*	19.3	3.78	*198*
03/22/16	3.91	6.73	180	7.6	816	NS	NS	NS	NS
09/11/17	1.47	6.84	332	15.8	1103	NS	NS	NS	NS
12/11/17	1.10	6.63	387	76.0	1419	NS	NS	NS	NS
03/07/18	2.70	6.72	186	5.7	996	NS	NS	NS	NS
06/05/18	1.96	6.37	148	9.3	NM	NS	NS	NS	NS
02/19/19	3.83	6.01	-154.1	4.93	1498	NS	NS	NS	NS
05/13/19	4.05	5.58	-8.9	7.64	1443	NS	NS	NS	NS
ENFORCE MENT STANDARD = **ES – Bold**						**10**	-	-	**300**
PREVENTIVE ACTION LIMIT = *PAL - Italics*						*2*	-	-	*60*

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

Well MW-6

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Man-ganese (ppb)
06/24/15	4.25	6.79	107	14.0	2915	*2.98*	35.9	0.02	39.7
09/24/15	5.40	5.98	187	16.2	1258	NS	NS	NS	NS
12/22/15	7.51	5.91	239	6.9	894	*2.88*	34.4	0.07	23.3
03/22/16	4.67	6.55	216	7.4	512	NS	NS	NS	NS
09/11/17	2.25	6.95	320	16.8	1703	NS	NS	NS	NS
12/11/17	1.16	6.78	317	11.4	1260	NS	NS	NS	NS
03/07/18	4.05	6.92	308	7.8	1245	NS	NS	NS	NS
06/05/18	3.19	6.24	279	11.1	NM	NS	NS	NS	NS
02/19/19	COULD NOT LOCATE								
05/13/19	4.20	6.58	-8.7	8.80	3361	NS	NS	NS	NS
ENFORCE MENT STANDARD = **ES – Bold**						**10**	-	-	**300**
PREVENTIVE ACTION LIMIT = *PAL - Italics*						*2*	-	-	*60*

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

A.7 Other
Groundwater NA Indicator Results
Port Wing Automotive Site BRRT's#03-04-234613

Well MW-7

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Man-ganese (ppb)
06/24/15	4.12	6.43	81	14.1	3037	1.57	58.4	0.97	**527**
09/24/15	3.94	6.29	177	16.6	891	NS	NS	NS	NS
12/22/15	5.18	6.54	221	8.3	775	0.62	51.7	0.15	**1208**
03/22/16	4.89	6.38	268	7.8	644	NS	NS	NS	NS
09/11/17	0.37	7.12	275	16.3	2239	NS	NS	NS	NS
12/11/17	1.42	7.26	308	6.4	2921	NS	NS	NS	NS
03/07/18	1.10	7.13	296	5.7	2298	NS	NS	NS	NS
06/05/18	1.23	6.34	268	11.0	NM	NS	NS	NS	NS
02/19/19	COULD NOT LOCATE								
05/13/19	3.97	6.42	-14.7	8.00	2900	NS	NS	NS	NS
ENFORCE MENT STANDARD = **ES – Bold**						**10**	-	-	**300**
PREVENTIVE ACTION LIMIT = *PAL - Italics*						*2*	-	-	*60*

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

A.7 Other - Slug Test Calculations
Port Wing Automotive
Slug Test Calculations

MW-1

	ft/s	cm/s	m/yr
K	3.22E-05	9.81E-04	309.51
	sq ft/s	**sq cm/s**	
T	8.75E-05	8.13E-02	

MW-2

	ft/s	cm/s	m/yr
K	1.43E-05	4.36E-04	137.45
	sq ft/s	**sq cm/s**	
T	6.45E-05	5.99E-02	

MW-5

	ft/s	cm/s	m/yr
K	6.66E-05	2.03E-03	640.17
	sq ft/s	**sq cm/s**	
T	2.01E-04	1.87E-01	

Date	Elv. (High)	Elv. (Low)	Distance (ft)	Hyd Grad (I)
6/24/2015	668.00	662.00	58	0.1034483
9/24/2015	669.00	663.00	52	0.1153846
12/22/2015	668.00	664.00	39	0.1025641
3/22/2016	672.00	668.00	19	0.2105263
9/11/2017	671.00	667.00	91	0.0439560
12/11/2017	670.00	666.00	65	0.0615385
3/7/2018	669.00	663.00	80	0.0750000
6/5/2018	671.00	667.00	81	0.0493827
2/19/2019	668.54	662.34	92	0.0673913
5/13/2019	674.05	667.16	94	0.0732979
Average				0.0902490

	K (m/yr)	I	n	Flow Velocity (m/yr)
MW-1	309.51	0.0902490	0.3	93.10989
MW-2	137.45	0.0902490	0.3	41.34908
MW-5	640.17	0.0902490	0.3	192.58234

Attachment B/Maps and Figures

B.1 Location Maps

B.1.a Location Map

B.1.b Detailed Site Map

B.1.c RR Site Map

B.2 Soil Figures

B.2.a Soil Contamination

B.2.b Residual Soil Contamination

B.3 Groundwater Figures

B.3.a.1 Geologic Cross-Section Map

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

B.3.a.3 Geologic Cross-Section

B.3.b Groundwater Isoconcentration

B.3.c Groundwater Flow Direction

B.3.d Monitoring Wells

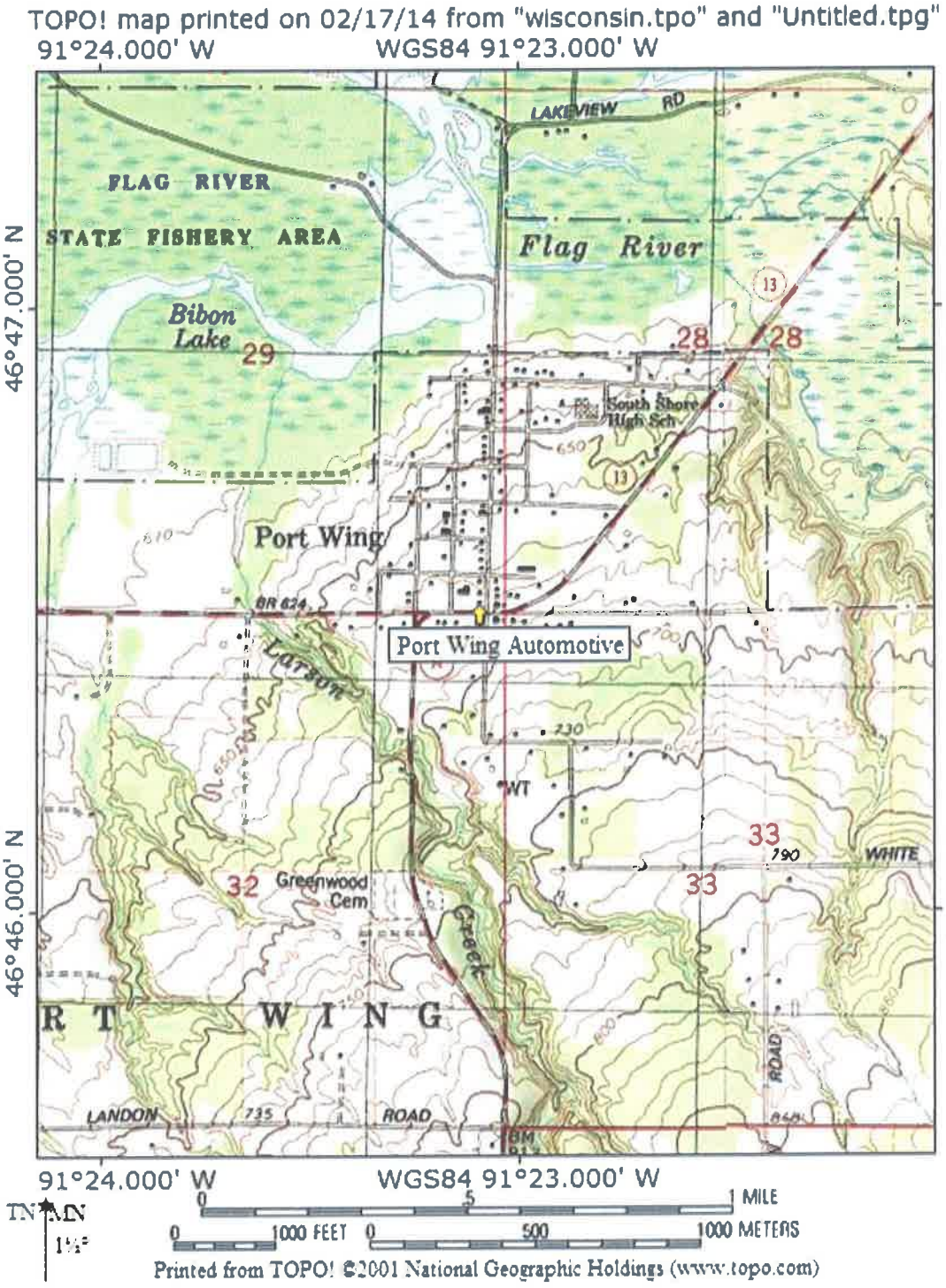
B.4 Vapor Maps and Other Media

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



B.1.a LOCATION MAP
CONTOUR INTERVAL 10 FEET
PORT WING AUTOMOTIVE – PORT WING, WI
SEAMLESS USGS TOPOGRAPHIC MAPS ON CD-ROM

B.I.b SITE LAYOUT MAP

PORT WING AUTOMOTIVE

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La Crosse, WI 54603
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Fax: (608) 781-8893
excellence through experience

PORT WING, WISCONSIN

DRAWN BY: ED

DATE: 12/13/2013

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

SCALE: 1 INCH = 30 FEET

0 15 30

- ▲ - UST CLOSURE SOIL SAMPLING LOCATION
- ✕ - GEOPROBE BORING LOCATION
- ● - SOIL BORING LOCATION, DON'S UNION 76 STATION (03-04-100622)
- ⊗ - EXCAVATION PROJECT SOIL SAMPLING LOCATION
- ◓ - MONITORING WELL LOCATION
- ◓ - ABANDONED MONITORING WELL LOCATION
- ■ - SUB SLAB VAPOR SAMPLE LOCATION (3/7/18)
- ——·——·—— - WATER LINE
- ——···——··— - SANITARY SEWER LINE
- — — — — — - BURIED ELECTRIC LINE
- ═══════ - OVERHEAD UTILITIES
- ····· - TELEPHONE/CABLE LINE
- — — — — - PROPERTY BOUNDARY

- EXCAVATION AREA (METCO, JUNE 2017)

PORT WING TOWN HALL
83030 GRAND AVE

ALLEY

VACANT LOT

PIN#: 04-042-2-50-08-29-400-173-45000

SIDEWALK

WASHINGTON AVENUE

GRASS

RESIDENTIAL
83040 WASHINGTON AVE

CHEQUAMEGON TELEPHONE CO.
83020 WASHINGTON AVE

PED

HOTH LEE ART GALLERY
83010 WASHINGTON AVE

CULVERT

DITCH

MW-3

MW-5

REMOVED FUEL OIL UST

AREA OF REMOVED 2,000-GALLON GASOLINE UST AND 2,000-GALLON DIESEL UST

PORT WING AUTOMOTIVE
8950 STATE HWY 13

AREA OF FORMER HEATING OIL/DIESEL UST AND DISPENSER FOR RETAIL FUEL SALES

SS-01
SS-02
SS-03

#1610

MW-2R
MW-2

ASPHALT

MW-4

BH-1
BH-2
BH-3
BH-4

MW-7

GRAVEL

MW-1

AIR PUMP IS.

MW-1R

CURB

CONCRETE

STATE HIGHWAY 13

MW-6

RESIDENCE
82965 WHITE BIRCH RD

VACANT LOT

WHITE BIRCH ROAD

CHURCH
82980 WHITE BIRCH RD

G-1 G-2 G-3 G-4 G-5 G-6 G-7 G-8 G-9 G-10 G-11 G-12 G-13 G-14 G-15 G-16 G-17 G-18

EX-1/EX-2 EX-3/EX-4 EX-5/EX-6 EX-7 EX-8/EX-9 EX-10 EX-11/EX-12 EX-13/EX-14 EX-15/EX-16 EX-17/EX-18 EX-19 EX-20/EX-21 EX-22/EX-23 EX-24/EX-25

EPA 11-12-19

11-12-19

B.1.c RR Site Map

Legend

- Open Site
- Closed Site
- Continuing Obligations Apply

0.5 0 Distance / 2 0.5 Miles

1: 15,840

NAD_1983_HARN_Wisconsin_TM

Note: Not all sites are mapped

Notes

03-04-234613 Port Wing Automotive

B.2.a SOIL CONTAMINATION MAP

PORT WING AUTOMOTIVE

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PORT WING, WISCONSIN

DRAWN BY: ED

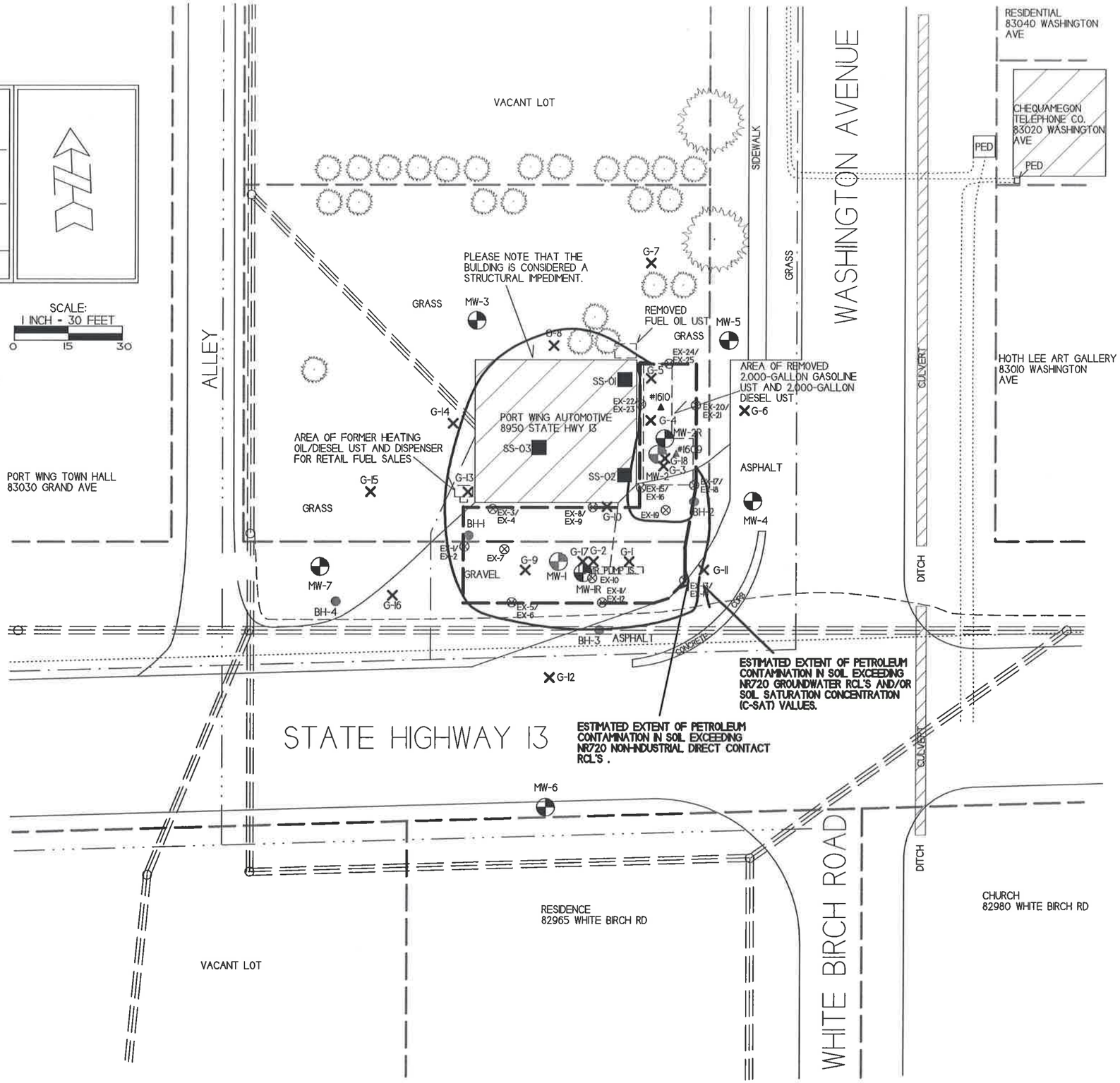
DATE: 12/13/2013

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

SCALE:
1 INCH = 30 FEET
0 15 30

- ▲ - UST CLOSURE SOIL SAMPLING LOCATION
- ✕ - GEOPROBE BORING LOCATION
- ● - SOIL BORING LOCATION. DON'S UNION 76 STATION (03-04-100622)
- ⊗ - EXCAVATION PROJECT SOIL SAMPLING LOCATION
- ◓ - MONITORING WELL LOCATION
- ◓ - ABANDONED MONITORING WELL LOCATION
- ■ - SUB SLAB VAPOR SAMPLE LOCATION (3/7/18)
- - WATER LINE
- - SANITARY SEWER LINE
- - BURIED ELECTRIC LINE
- - OVERHEAD UTILITIES
- - TELEPHONE/CABLE LINE
- - PROPERTY BOUNDARY

- EXCAVATION AREA (METCO, JUNE 2017)



12/16/19

12/16/19

B.2.b RESIDUAL SOIL CONTAMINATION

PORT WING AUTOMOTIVE

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PORT WING, WISCONSIN

DRAWN BY: ED

DATE: 12/13/2013

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

SCALE:
1 INCH = 30 FEET
0 15 30

× - GEOPROBE BORING LOCATION

⊗ - SOIL EXCAVATION PROJECT (METCO, JUNE 2017)

- WATER LINE
- SANITARY SEWER LINE
- BURIED ELECTRIC LINE
- OVERHEAD UTILITIES
- TELEPHONE/CABLE LINE
- PROPERTY BOUNDARY

- EXCAVATION AREA (METCO, JUNE 2017)

PORT WING TOWN HALL
83030 GRAND AVE

ALLEY

VACANT LOT

PLEASE NOTE THAT THE BUILDING IS CONSIDERED A STRUCTURAL IMPEDIMENT.

GRASS

REMOVED FUEL OIL UST

AREA OF REMOVED 2,000-GALLON GASOLINE UST AND 2,000-GALLON DIESEL UST

AREA OF FORMER HEATING OIL/DIESEL UST AND DISPENSER FOR RETAIL FUEL SALES

PORT WING AUTOMOTIVE
8950 STATE HWY 13

ASPHALT

GRAVEL

LEAK TEST

SIDEWALK

WASHINGTON AVENUE

CULVERT

DITCH

RESIDENTIAL
83040 WASHINGTON AVE

CHEQUAMEGON TELEPHONE CO.
83020 WASHINGTON AVE

PED

HOTH LEE ART GALLERY
83010 WASHINGTON AVE

CURB

CONCRETE

ESTIMATED EXTENT OF PETROLEUM CONTAMINATION IN SOIL EXCEEDING NR720 GROUNDWATER RCL'S AND/OR SOIL SATURATION CONCENTRATION (C-SAT) VALUES.

ESTIMATED EXTENT OF PETROLEUM CONTAMINATION IN SOIL EXCEEDING NR720 NON-INDUSTRIAL DIRECT CONTACT RCL'S AND/OR SOIL SATURATION CONCENTRATION (C-SAT) VALUES.

STATE HIGHWAY 13

WHITE BIRCH ROAD

RESIDENCE
82965 WHITE BIRCH RD

VACANT LOT

CHURCH
82980 WHITE BIRCH RD

12/16/19
EDP
12/16/19

B.3.a.I GEOLOGIC CROSS SECTION FIGURE

PORT WING AUTOMOTIVE

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La Crosse, WI 54603
Tel: (608) 781-8879
Fax: (608) 781-8893
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PORT WING, WISCONSIN

DRAWN BY: ED

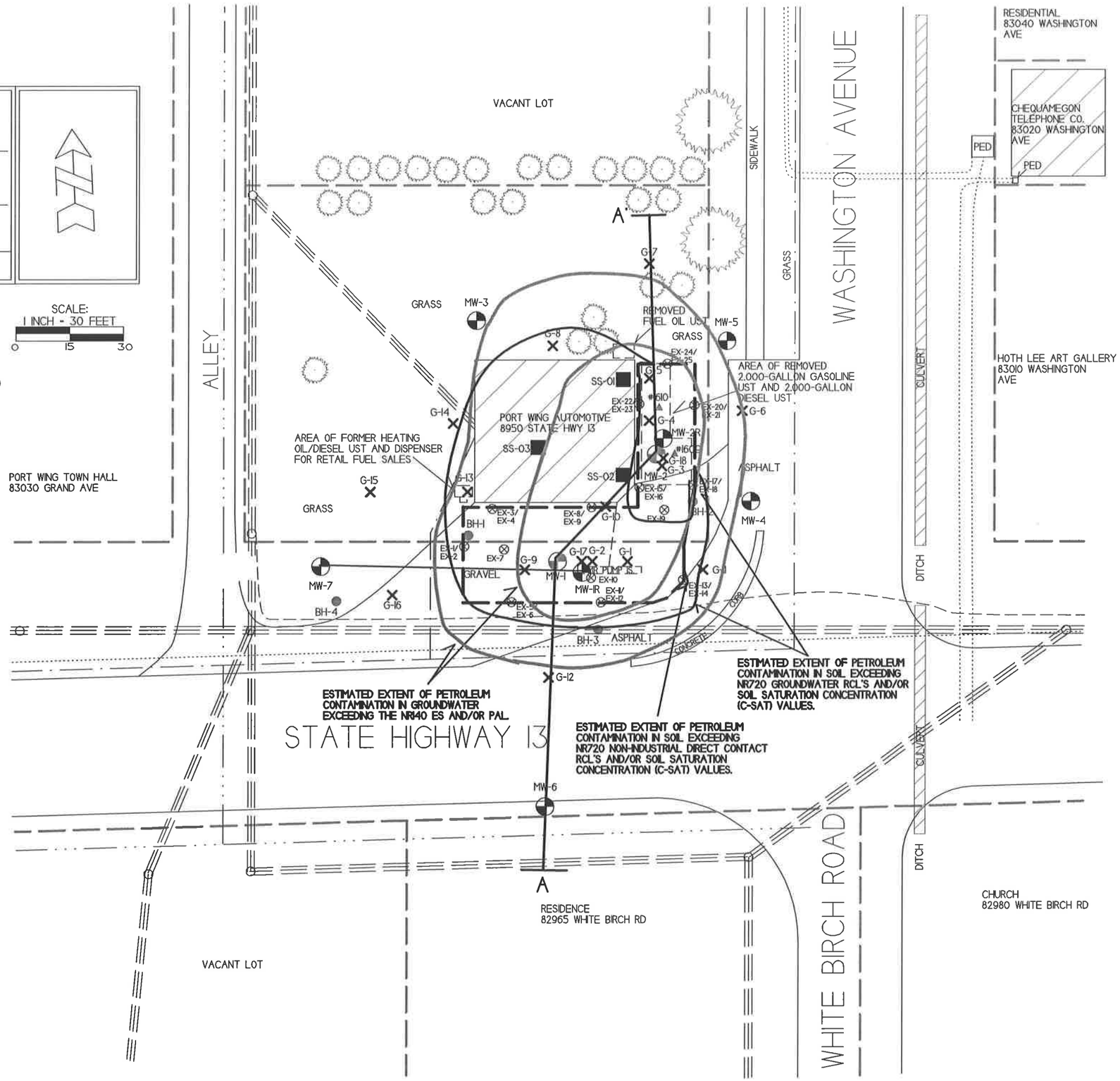
DATE: 12/13/2013

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

SCALE:
1 INCH = 30 FEET
0 15 30

- ▲ - UST CLOSURE SOIL SAMPLING LOCATION
- ✕ - GEOPROBE BORING LOCATION
- ● - SOIL BORING LOCATION, DON'S UNION 76 STATION (03-04-100622)
- ⊗ - EXCAVATION PROJECT SOIL SAMPLING LOCATION
- ⊕ - MONITORING WELL LOCATION
- ⊕ - ABANDONED MONITORING WELL LOCATION
- ■ - SUB SLAB VAPOR SAMPLE LOCATION (3/7/18)
- ——·——·—— - WATER LINE
- ——··——·—— - SANITARY SEWER LINE
- – – – – – - BURIED ELECTRIC LINE
- ═══ - OVERHEAD UTILITIES
- ····· - TELEPHONE/CABLE LINE
- – – – – - PROPERTY BOUNDARY

- EXCAVATION AREA (METCO, JUNE 2017)



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

PORT WING AUTOMOTIVE

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PORT WING, WISCONSIN

DRAWN BY: ED

DATE: 12/13/2013

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

SCALE:
1 INCH = 30 FEET
0 15 30

▲ - UST CLOSURE SOIL SAMPLING LOCATION

✕ - GEOPROBE BORING LOCATION

● - SOIL BORING LOCATION. DON'S UNION 76 STATION (03-04-100622)

⊗ - EXCAVATION PROJECT SOIL SAMPLING LOCATION

◓ - MONITORING WELL LOCATION

◓ - ABANDONED MONITORING WELL LOCATION

■ - SUB SLAB VAPOR SAMPLE LOCATION (3/7/18)

- WATER LINE

- SANITARY SEWER LINE

- BURIED ELECTRIC LINE

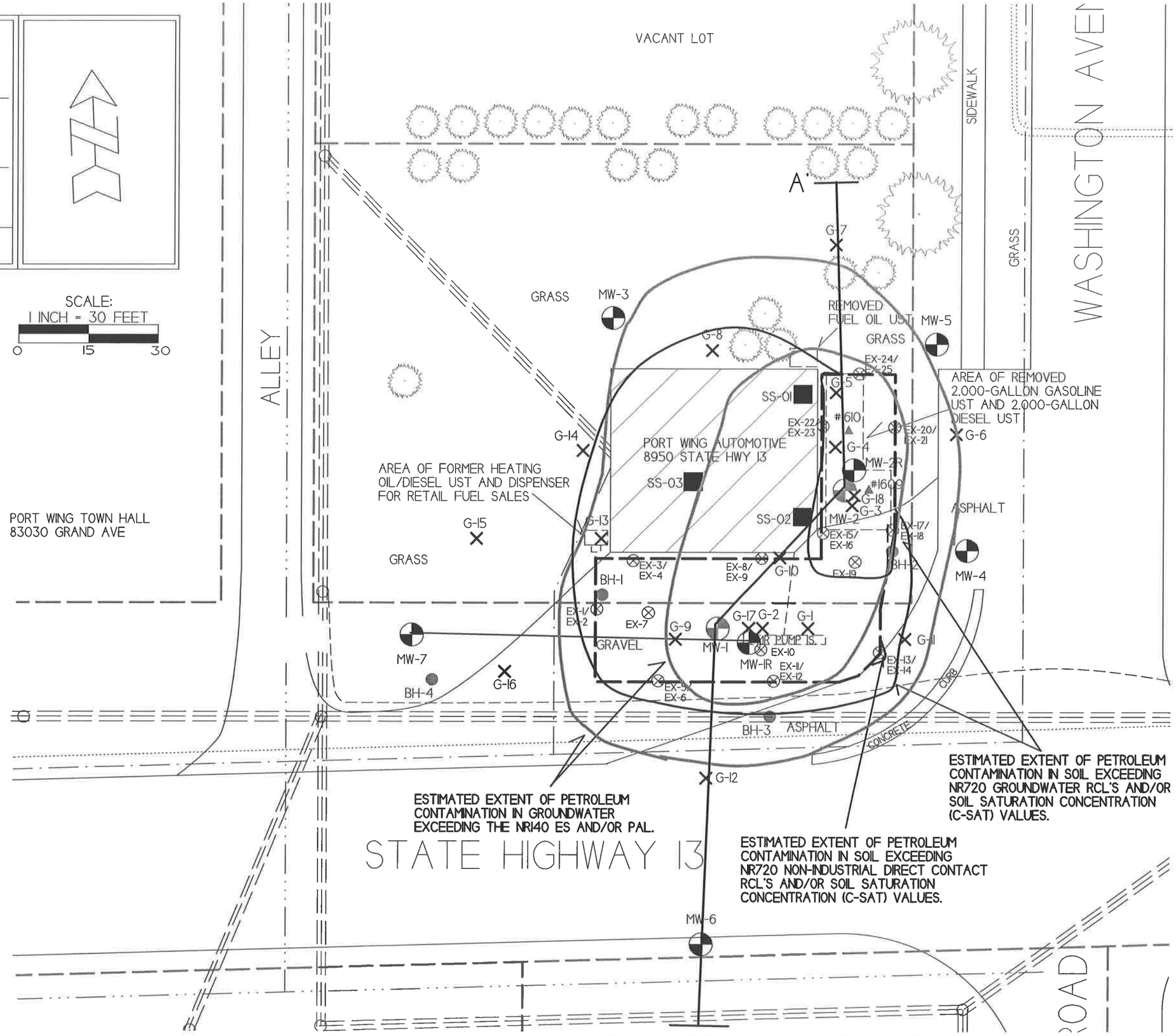
- OVERHEAD UTILITIES

- TELEPHONE/CABLE LINE

- PROPERTY BOUNDARY

= EXCAVATION AREA (METCO, JUNE 2017)

PORT WING TOWN HALL
83030 GRAND AVE



B.3.a.3 GEOLOGIC CROSS SECTION FIGURE

PORT WING AUTOMOTIVE

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Tel. (608) 781-8879
Fax. (608) 781-8853
"Excellence through experience"

PORT WING, WISCONSIN

DRAWN BY: JJ 7/6/16

- ◓ - MONITORING WELL LOCATION
- ● - GEOPROBE BORING LOCATION
- ✕ - SOIL SAMPLING LOCATION
- ▲ - UST CLOSURE SOIL SAMPLING LOCATION
- ⊗ - EXCAVATION SIDEWALL SOIL SAMPLING LOCATION
- ▼ - WATERTABLE

HORIZONTAL SCALE:
1 INCH = 20 FEET
0 20

VERTICAL SCALE:
1 INCH = 4 FEET
4 0

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

TAN TO GRAY TO BROWN TO RED MEDIUM TO COARSE GRAINED SAND

RED SANDY CLAY

RED SANDSTONE BEDROCK

FILL MATERIAL

INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER

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

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

GROUNDWATER FLOW IS TOWARD THE SOUTH.

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

NOTE: SOIL AND GROUNDWATER SAMPLE DATA IS BASED ON LABORATORY RESULTS FROM SAMPLES COLLECTED DURING THE FOLLOWING EVENTS:
- GEOPROBE PROJECT (6/3/14)
- DRILLING PROJECT (3/31/14-4/1/15)
- SOIL EXCAVATION PROJECT (6/12/17)
- ROUND 10 GROUNDWATER SAMPLING (5/13/2019)

- EXCAVATION AREA (METCO, JUNE 2017)

A SOUTH — A' NORTH

680.00' MSL
675.00' MSL
670.00' MSL
665.00' MSL
660.00' MSL

GRAVEL
MW-6
STATE HIGHWAY 13
G-12
AREA OF FORMER PUMP ISLAND
PORT WING AUTOMOTIVE BUILDING
AREA OF REMOVED 2,000-GALLON GASOLINE UST AND 2,000-GALLON DIESEL UST
MW-1R
G-10
MW-2R
G-4
G-5
GRASS
G-7
GRASS

MW-6-1
3.5 FEET
0 PID

G-12-1
3.5 FEET
0 PID
ND LEAD
ND PVOC
ND PAH

G-12-2
6 FEET
0 PID
ND PVOC

MW-6-2
8 FEET
0 PID

MW-6-3
14 FEET
0 PID

MW-1-1
3.5 FEET
1400 PID
1810 DRO
3700 GRO
14.2 B
41 E
47 N
56 T
340 1,2,4-TMB
111 1,3,5-TMB
566 X

G-10-1
3.5 FEET
5 PID
3.81 LEAD
ND PVOC
ND PAH

EX-8
EX-15

MW-2-1
3.5 FEET
0 PID

G-4-1
3.5 FEET
0 PID
25.8 LEAD
0.370 B
0.530 E
0.205 N
0.151 T
8.9 TMB
3.93 X
PAH DETECT

EX-24

G-5-1
3.5 FEET
0 PID
20.3 LEAD
ND PVOC
ND PAH

G-7-1
3.5 FEET
0 PID

EX-9
G-10-2
8 FEET
255 PID
17.3 B
6.2 E
4 N
0.500 T
73 TMB
26.43 X

EX-16

MW-2-2
7 FEET
1350 PID
1150 DRO
3030 GRO
21 B
77 E
46 N
13.30 T
274 1,2,4-TMB
101 1,3,5-TMB
542 X

G-4-2
7 FEET
900 PID
3.2 B
29.2 E
10.8 N
1.0 T
91.4 TMB
149 X

EX-25

G-5-2
7 FEET
1800 PID
4.24 LEAD
0.750 E
0.890 N
18.5 TMB
6.52 X

G-7-2
7 FEET
0 PID

MW-1-2
7 FEET
1475 PID

MW-1-3
14 FEET
425 PID

MW-2-3
14 FEET
1255 PID

WATERTABLE BASED ON ALL-TIME HIGH MEASUREMENTS

WATERTABLE BASED ON ALL-TIME LOW MEASUREMENTS

COLLECTED 8 FEET BGS BELOW CENTER OF DIESEL UST

ESTIMATED EXTENT OF PETROLEUM CONTAMINATION IN SOIL EXCEEDING NR720 GROUNDWATER RCL'S AND/OR C-SAT VALUES AND GROUNDWATER EXCEEDING THE NR140 ES AND/OR PAL.

MW-6	MW-1R	G-12-W	G-10-W	MW-2R	G-4-W	G-5-W	G-7-W
<0.22 B	3.0 LEAD	NO WATER	64 B	21 B	7.7 B	6.0 B	<0.27 B
<0.53 E	13 B		283 E	1070 E	69 E	48 E	<0.82 E
<0.57 MTBE	400 E		<37 MTBE	<14 MTBE	<0.37 MTBE	<1.85 MTBE	<0.37 MTBE
<1.7 N	<14 MTBE		203 N	350 N	18.7 N	15 N	<1.2 N
<0.45 T	112 N		<80 T	640 T	6.8 T	4.9 T	<0.8 T
<1.48 TMB	176 T		1810 TMB	2340 TMB	362 TMB	697 TMB	0.83-1.69 TMB
<1.58 X	1233 TMB		668 X	6720 X	283.8 X	334 X	<2.41 X
	2110 X						

B.3.b GROUNDWATER ISOCONCENTRATION (5/13/19)

PORT WING AUTOMOTIVE

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PORT WING, WISCONSIN

DRAWN BY: ED
DATE: 12/13/2013

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

SCALE:
1 INCH = 30 FEET
0 15 30

- ▲ - UST CLOSURE SOIL SAMPLING LOCATION
- ✕ - GEOPROBE BORING LOCATION
- ● - SOIL BORING LOCATION, DON'S UNION 76 STATION (03-04-100622)
- ⊗ - EXCAVATION PROJECT SOIL SAMPLING LOCATION
- ◐ - MONITORING WELL LOCATION
- ◐ - ABANDONED MONITORING WELL LOCATION
- ■ - SUB SLAB VAPOR SAMPLE LOCATION (3/7/18)
- ——·——·—— - WATER LINE
- ——···——·· - SANITARY SEWER LINE
- — — — — — - BURIED ELECTRIC LINE
- ═══ - OVERHEAD UTILITIES
- ····· - TELEPHONE/CABLE LINE
- — — — — — - PROPERTY BOUNDARY

- EXCAVATION AREA (METCO, JUNE 2017)

PORT WING TOWN HALL
83030 GRAND AVE

ALLEY

VACANT LOT

SIDEWALK

GRASS

WASHINGTON AVENUE

RESIDENTIAL
83040 WASHINGTON AVE

CHEQUAMEGON TELEPHONE CO.
83020 WASHINGTON AVE

PED

HOTH LEE ART GALLERY
83010 WASHINGTON AVE

CULVERT

DITCH

MW-3

MW-5

MW-4

MW-7

MW-1

MW-1R

MW-2

MW-2R

MW-6

BH-1

BH-2

BH-3

BH-4

G-1 G-2 G-3 G-4 G-5 G-6 G-7 G-8 G-9 G-10 G-11 G-12 G-13 G-14 G-15 G-16 G-17 G-18

REMOVED FUEL OIL UST

AREA OF REMOVED 2,000-GALLON GASOLINE UST AND 2,000-GALLON DIESEL UST

PORT WING AUTOMOTIVE
8950 STATE HWY 13

AREA OF FORMER HEATING OIL/DIESEL UST AND DISPENSER FOR RETAIL FUEL SALES

SS-01 SS-02 SS-03

#1610

EX-1/ EX-2 EX-3/ EX-4 EX-5/ EX-6 EX-7 EX-8/ EX-9 EX-10 EX-11/ EX-12 EX-13/ EX-14 EX-15/ EX-16 EX-17/ EX-18 EX-19 EX-20/ EX-21 EX-22/ EX-23 EX-24/ EX-25

ASPHALT

GRAVEL

CONCRETE

CURB

ES

PAL

STATE HIGHWAY 13

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

WHITE BIRCH ROAD

RESIDENCE
82965 WHITE BIRCH RD

CHURCH
82980 WHITE BIRCH RD

VACANT LOT

B.3.c. GROUNDWATER FLOW MAP 5/13/19

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La Crosse, WI 54603
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Fax: (608) 781-8893
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PORT WING, WISCONSIN

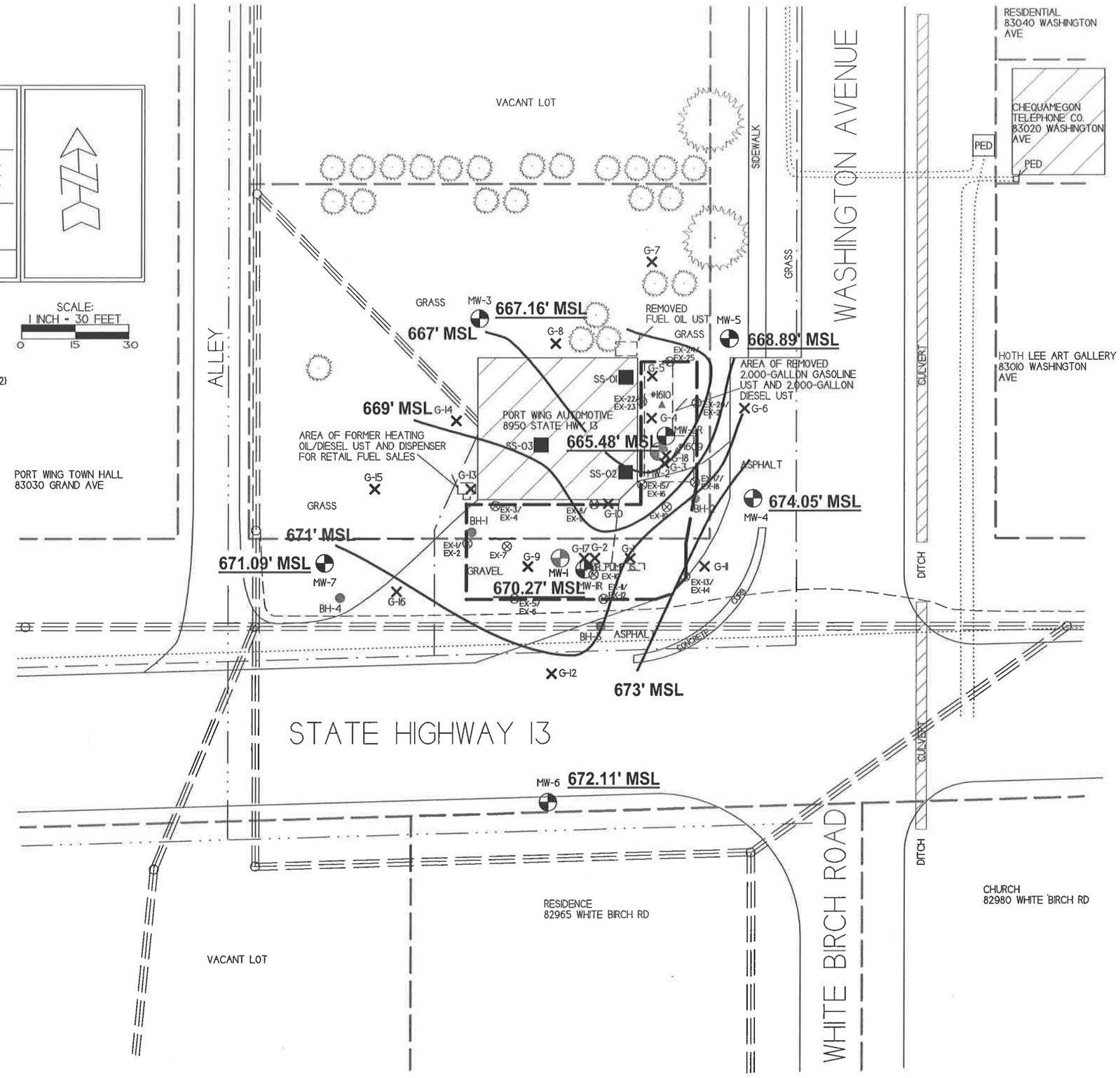
DRAWN BY: ED

DATE: 12/13/2013

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

SCALE: 1 INCH = 30 FEET
0 15 30

- ▲ - UST CLOSURE SOIL SAMPLING LOCATION
- ✕ - GEOPROBE BORING LOCATION
- ● - SOIL BORING LOCATION, DON'S UNION 76 STATION (03-04-100622)
- ⊗ - EXCAVATION PROJECT SOIL SAMPLING LOCATION
- ⊕ - MONITORING WELL LOCATION
- ⊕ - ABANDONED MONITORING WELL LOCATION
- ■ - SUB SLAB VAPOR SAMPLE LOCATION (3/7/18)
- WATER LINE
- SANITARY SEWER LINE
- BURIED ELECTRIC LINE
- OVERHEAD UTILITIES
- TELEPHONE/CABLE LINE
- PROPERTY BOUNDARY
- EXCAVATION AREA (METCO, JUNE 2017)



B.3.d MONITORING WELLS

PORT WING AUTOMOTIVE

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

PORT WING, WISCONSIN

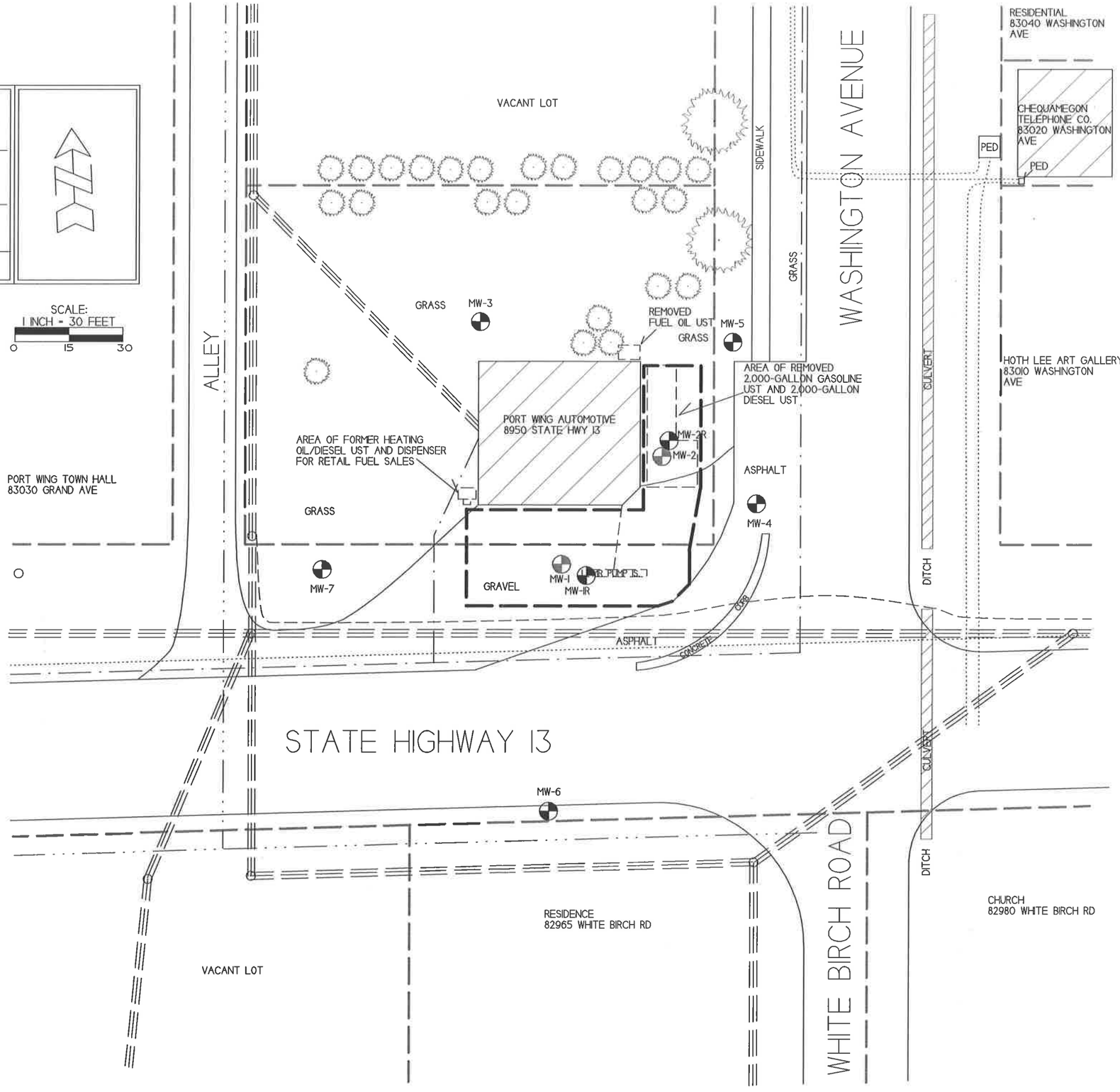
DRAWN BY: ED

DATE: 12/13/2013

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

SCALE:
1 INCH = 30 FEET
0 15 30

- MONITORING WELL LOCATION - PROPOSED TO BE ABANDONED
- ABANDONED MONITORING WELL LOCATION
- WATER LINE
- SANITARY SEWER LINE
- BURIED ELECTRIC LINE
- OVERHEAD UTILITIES
- TELEPHONE/CABLE LINE
- PROPERTY BOUNDARY
- EXCAVATION AREA (METCO, JUNE 2017)



B.4.a VAPOR INTRUSION MAP

PORT WING AUTOMOTIVE

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La Crosse, WI 54603
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Fax: (608) 781-8893
Excellence through experience

PORT WING, WISCONSIN

DRAWN BY: ED

DATE: 12/13/2013

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

NOTE: SOIL VAPOR SAMPLE RESULTS ARE PRESENTED IN ug/m^3

SCALE:
1 INCH = 30 FEET
0 15 30

- SUB SLAB VAPOR SAMPLE LOCATION (3/7/18)
- WATER LINE
- SANITARY SEWER LINE
- BURIED ELECTRIC LINE
- OVERHEAD UTILITIES
- TELEPHONE/CABLE LINE
- PROPERTY BOUNDARY
- EXCAVATION AREA (METCO, JUNE 2017)

SS-03	
B	1.8
E	0.98 'J'
MTBE	<0.89
N	3.7
T	3.4
1.2.4-TMB	11.2
1.3.5-TMB	2.4
X	5.5

SS-01	
B	7.7
E	5.6
MTBE	<0.89
N	14.7
T	13.6
1.2.4-TMB	58.4
1.3.5-TMB	17.8
X	25.7

SS-02	
B	1.1
E	<0.22
MTBE	<0.87
N	3.7 'J'
T	1.2
1.2.4-TMB	1.3
1.3.5-TMB	0.73 'J'
X	1.61 'J'

ALLEY
WASHINGTON AVENUE
VACANT LOT
RESIDENTIAL
83040 WASHINGTON AVE
CHEQUAMEGON TELEPHONE CO.
83020 WASHINGTON AVE
PED
PED
HOTH LEE ART GALLERY
83010 WASHINGTON AVE
CULVERT
GRASS
REMOVED FUEL OIL US
GRASS
AREA OF REMOVED 2,000-GALLON GASOLINE UST AND 2,000-GALLON DIESEL UST
SS-01
PORT WING AUTOMOTIVE
8950 STATE HWY 13
SS-03
SS-02
AREA OF FORMER HEATING OIL/DIESEL UST AND DISPENSER FOR RETAIL FUEL SALES
ASPHALT
GRASS
GRAVEL
LP/AIR PUMPS
DITCH
CULVERT
DITCH
STATE HIGHWAY 13
WHITE BIRCH ROAD
RESIDENCE
82965 WHITE BIRCH RD
CHURCH
82980 WHITE BIRCH RD
VACANT LOT
PORT WING TOWN HALL
83030 GRAND AVE

B.5 Structural Impediment Photos

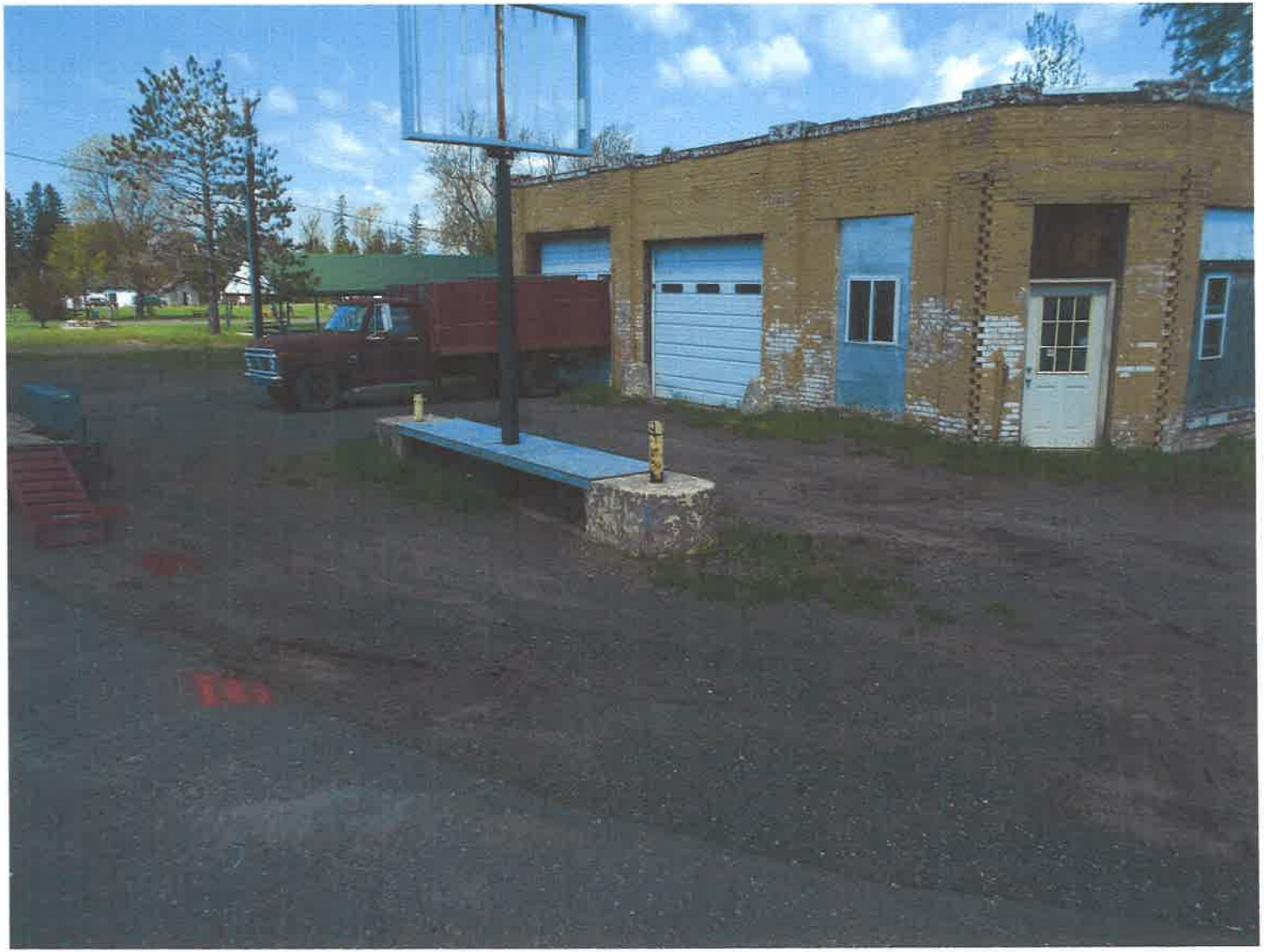


Photo #1: On site building looking west.

B.5 Structural Impediment Photos

Photo #2: On site building looking East.

Attachment C/Documentation of Remedial Action

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

- Site Investigation Report - August 2016
- Letter Report - September 2017
- Groundwater Monitoring Report - August 2018

Work Completed since the last submittal to the WDNR includes the following:

- On February 19, 2019, METCO collected groundwater samples from five monitoring wells (MW-1R, MW-2R, MW-3, MW-4, MW-5) for PVOC and Naphthalene analysis, MW-1R was also sampled for Dissolved Lead. Field measurements for water level, Dissolved Oxygen, pH, ORP, specific conductance, and temperature were collected from the sampled monitoring wells. Monitoring Wells MW-6 and MW-7 were unable to be located because they were buried beneath large amounts of snow.

- On May 13, 2019, METCO collected groundwater samples from five monitoring wells (MW-1R, MW-2R, MW-3, MW-4, MW-5, MW-6 and MW-7) for PVOC and Naphthalene analysis, MW-1R was also sampled for Dissolved Lead. Field measurements for water level, Dissolved Oxygen, pH, ORP, specific conductance, and temperature were collected from the sampled monitoring wells.

- **Included in Section C.1. are two groundwater flow maps (2/19/2019 and 5/13/2019) and laboratory reports (2/19/2019 and 5/13/2019).**

C.2 Investigative waste

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

On June 16, 2017, DKS Transport Services, LLC, of Menomonie, Wisconsin picked-up and disposed of 969.20 tons of contaminated soil to the Advanced Disposal Seven Mile Creek Landfill in Eau Claire, Wisconsin.

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

On June 14, 2019, DKS Transport Services, LLC, of Menomonie, Wisconsin picked-up and disposed of one drum of purge water to Bloomer Waste Water Treatment Plant, Wisconsin.

C.3 Provide a description of the methodology used along with all supporting documentation if the Residual Contaminant Levels are different than those contained in the Department's RCL Spreadsheet available at: http://dnr.wi.gov/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. Site Investigation Documentation

Synergy Environmental Lab,

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

MARK JOHNSON
MARK JOHNSON
PO BOX 73
MENOMINEE, WI 54751

Report Date *26-Feb-19*

Project Name PORT WING AUTOMOTIVE **Invoice #** E35803
Project #
Lab Code 5035803A
Sample ID MW-4
Sample Matrix Water
Sample Date 2/19/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.22	ug/l	0.22	0.69	1	GRO95/8021		2/21/2019	CJR	1
Ethylbenzene	< 0.53	ug/l	0.53	1.69	1	GRO95/8021		2/21/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.57	ug/l	0.57	1.82	1	GRO95/8021		2/21/2019	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.38	1	GRO95/8021		2/21/2019	CJR	1
Toluene	< 0.45	ug/l	0.45	1.45	1	GRO95/8021		2/21/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.73	ug/l	0.73	2.33	1	GRO95/8021		2/21/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.75	ug/l	0.75	2.39	1	GRO95/8021		2/21/2019	CJR	1
m&p-Xylene	< 1	ug/l	1	3.17	1	GRO95/8021		2/21/2019	CJR	1
o-Xylene	< 0.58	ug/l	0.58	1.84	1	GRO95/8021		2/21/2019	CJR	1

Project Name PORT WING AUTOMOTIVE **Invoice #** E35803
Project #

Lab Code 5035803B
Sample ID MW-5
Sample Matrix Water
Sample Date 2/19/2019

	Result		Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic											
PVOC + Naphthalene											
Benzene	1.65		ug/l	0.22	0.69	1	GRO95/8021		2/21/2019	CJR	1
Ethylbenzene	32		ug/l	0.53	1.69	1	GRO95/8021		2/21/2019	CJR	1
Methyl tert-butyl ether (MTBE)		< 0.57	ug/l	0.57	1.82	1	GRO95/8021		2/21/2019	CJR	1
Naphthalene	20.5		ug/l	1.7	5.38	1	GRO95/8021		2/21/2019	CJR	1
Toluene	1.41 "J"		ug/l	0.45	1.45	1	GRO95/8021		2/21/2019	CJR	1
1,2,4-Trimethylbenzene	80		ug/l	0.73	2.33	1	GRO95/8021		2/21/2019	CJR	1
1,3,5-Trimethylbenzene		< 0.75	ug/l	0.75	2.39	1	GRO95/8021		2/21/2019	CJR	1
m&p-Xylene	18.9		ug/l	1	3.17	1	GRO95/8021		2/21/2019	CJR	1
o-Xylene	4.7		ug/l	0.58	1.84	1	GRO95/8021		2/21/2019	CJR	1

Lab Code 5035803C
Sample ID MW-3
Sample Matrix Water
Sample Date 2/19/2019

	Result		Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic											
PVOC + Naphthalene											
Benzene	2.67		ug/l	0.22	0.69	1	GRO95/8021		2/21/2019	CJR	1
Ethylbenzene	2.06		ug/l	0.53	1.69	1	GRO95/8021		2/21/2019	CJR	1
Methyl tert-butyl ether (MTBE)		< 0.57	ug/l	0.57	1.82	1	GRO95/8021		2/21/2019	CJR	1
Naphthalene		< 1.7	ug/l	1.7	5.38	1	GRO95/8021		2/21/2019	CJR	1
Toluene	0.79 "J"		ug/l	0.45	1.45	1	GRO95/8021		2/21/2019	CJR	1
1,2,4-Trimethylbenzene	5.7		ug/l	0.73	2.33	1	GRO95/8021		2/21/2019	CJR	1
1,3,5-Trimethylbenzene		< 0.75	ug/l	0.75	2.39	1	GRO95/8021		2/21/2019	CJR	1
m&p-Xylene	3.5		ug/l	1	3.17	1	GRO95/8021		2/21/2019	CJR	1
o-Xylene	1.34 "J"		ug/l	0.58	1.84	1	GRO95/8021		2/21/2019	CJR	1

Lab Code 5035803D
Sample ID MW-2R
Sample Matrix Water
Sample Date 2/19/2019

	Result		Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic											
PVOC + Naphthalene											
Benzene	48		ug/l	11	34.5	50	GRO95/8021		2/21/2019	CJR	1
Ethylbenzene	1390		ug/l	26.5	84.5	50	GRO95/8021		2/21/2019	CJR	1
Methyl tert-butyl ether (MTBE)		< 28.5	ug/l	28.5	91	50	GRO95/8021		2/21/2019	CJR	1
Naphthalene	530		ug/l	85	269	50	GRO95/8021		2/21/2019	CJR	1
Toluene	760		ug/l	22.5	72.5	50	GRO95/8021		2/21/2019	CJR	1
1,2,4-Trimethylbenzene	2050		ug/l	36.5	116.5	50	GRO95/8021		2/21/2019	CJR	1
1,3,5-Trimethylbenzene	580		ug/l	37.5	119.5	50	GRO95/8021		2/21/2019	CJR	1
m&p-Xylene	6000		ug/l	50	158.5	50	GRO95/8021		2/21/2019	CJR	1
o-Xylene	2330		ug/l	29	92	50	GRO95/8021		2/21/2019	CJR	1

Project Name PORT WING AUTOMOTIVE **Invoice #** E35803
Project #

Lab Code 5035803E
Sample ID MW-1R
Sample Matrix Water
Sample Date 2/19/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Lead, Dissolved	< 0.8	ug/L	0.8	2.7	1	7421		2/22/2019	CWT	1
Organic										
PVOC + Naphthalene										
Benzene	68	ug/l	11	34.5	50	GRO95/8021		2/22/2019	CJR	1
Ethylbenzene	1440	ug/l	26.5	84.5	50	GRO95/8021		2/22/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 28.5	ug/l	28.5	91	50	GRO95/8021		2/22/2019	CJR	1
Naphthalene	360	ug/l	85	269	50	GRO95/8021		2/22/2019	CJR	3
Toluene	1930	ug/l	22.5	72.5	50	GRO95/8021		2/22/2019	CJR	3
1,2,4-Trimethylbenzene	1760	ug/l	36.5	116.5	50	GRO95/8021		2/22/2019	CJR	3
1,3,5-Trimethylbenzene	540	ug/l	37.5	119.5	50	GRO95/8021		2/22/2019	CJR	1
m&p-Xylene	6300	ug/l	50	158.5	50	GRO95/8021		2/22/2019	CJR	1
o-Xylene	2050	ug/l	29	92	50	GRO95/8021		2/22/2019	CJR	3

Lab Code 5035803F
Sample ID TB
Sample Matrix Water
Sample Date 2/19/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.22	ug/l	0.22	0.69	1	GRO95/8021		2/21/2019	CJR	1
Ethylbenzene	< 0.53	ug/l	0.53	1.69	1	GRO95/8021		2/21/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.57	ug/l	0.57	1.82	1	GRO95/8021		2/21/2019	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.38	1	GRO95/8021		2/21/2019	CJR	1
Toluene	< 0.45	ug/l	0.45	1.45	1	GRO95/8021		2/21/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.73	ug/l	0.73	2.33	1	GRO95/8021		2/21/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.75	ug/l	0.75	2.39	1	GRO95/8021		2/21/2019	CJR	1
m&p-Xylene	< 1	ug/l	1	3.17	1	GRO95/8021		2/21/2019	CJR	1
o-Xylene	< 0.58	ug/l	0.58	1.84	1	GRO95/8021		2/21/2019	CJR	1

Project Name PORT WING AUTOMOTIVE **Invoice #** E35803
Project #

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

Code	*Comment*
1	Laboratory QC within limits.
3	The matrix spike not within established limits.

CWT denotes sub contract lab - Certification #445126660

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 348 1

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) Tyler Woodke

Project (Name / Location): Part Wing Automotive / Part Wing, WI

Reports To: Mark Johnson	Invoice To: Mark Johnson
Company	Company C/O METCO
Address P.O. Box 73	Address 709 Gillette Street, Suite 3
City State Zip Menomonie, WI 54751	City State Zip La Crosse, WI 54603
Phone 715-308-3503	Phone 608-781-8879
FAX	FAX

Analysis Requested | **Other Analysis**

Lab I.D.	Sample I.D.	Collection Date	Collection Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD (Dissolved)	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	PID/FID
5035803 A	MW-4	2/19/19	145			N	3	GW	HCL									X						
B	MW-5		200															X						
C	MW-3		220															X						
D	MW-7R		230			↓	↓		↓									X						
E	MW-11R	↓	245			Y	4	↓	HCL, HNO3			X						X						
F	TB						1		HCL									X						

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)
* UtL Rates Apply
* Agent Status

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

Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date
Tyler Woodke	8:00AM	2/20/19			

Received in Laboratory By: [signature] Time: 8:00 Date: 2/21/19

C.1. Site Investigation Documentation

Synergy Environmental Lab,

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

MARK JOHNSON
MARK JOHNSON
PO BOX 73
MENOMINEE, WI 54751

Report Date *29-May-19*

Project Name PORT WING AUTOMOTIVE **Invoice #** E36186
Project #
Lab Code 5036186A
Sample ID MW-6
Sample Matrix Water
Sample Date 5/13/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.22	ug/l	0.22	0.69	1	GRO95/8021		5/16/2019	CJR	1
Ethylbenzene	< 0.53	ug/l	0.53	1.69	1	GRO95/8021		5/16/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.57	ug/l	0.57	1.82	1	GRO95/8021		5/16/2019	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.38	1	GRO95/8021		5/16/2019	CJR	1
Toluene	< 0.45	ug/l	0.45	1.45	1	GRO95/8021		5/16/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.73	ug/l	0.73	2.33	1	GRO95/8021		5/16/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.75	ug/l	0.75	2.39	1	GRO95/8021		5/16/2019	CJR	1
m&p-Xylene	< 1	ug/l	1	3.17	1	GRO95/8021		5/16/2019	CJR	1
o-Xylene	< 0.58	ug/l	0.58	1.84	1	GRO95/8021		5/16/2019	CJR	1

Project Name PORT WING AUTOMOTIVE **Invoice #** E36186
Project #

Lab Code 5036186B
Sample ID MW-7
Sample Matrix Water
Sample Date 5/13/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.22	ug/l	0.22	0.69	1	GRO95/8021		5/17/2019	CJR	1
Ethylbenzene	< 0.53	ug/l	0.53	1.69	1	GRO95/8021		5/17/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.57	ug/l	0.57	1.82	1	GRO95/8021		5/17/2019	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.38	1	GRO95/8021		5/17/2019	CJR	1
Toluene	< 0.45	ug/l	0.45	1.45	1	GRO95/8021		5/17/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.73	ug/l	0.73	2.33	1	GRO95/8021		5/17/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.75	ug/l	0.75	2.39	1	GRO95/8021		5/17/2019	CJR	1
m&p-Xylene	< 1	ug/l	1	3.17	1	GRO95/8021		5/17/2019	CJR	1
o-Xylene	< 0.58	ug/l	0.58	1.84	1	GRO95/8021		5/17/2019	CJR	1

Lab Code 5036186C
Sample ID MW-4
Sample Matrix Water
Sample Date 5/13/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.22	ug/l	0.22	0.69	1	GRO95/8021		5/17/2019	CJR	1
Ethylbenzene	< 0.53	ug/l	0.53	1.69	1	GRO95/8021		5/17/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.57	ug/l	0.57	1.82	1	GRO95/8021		5/17/2019	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.38	1	GRO95/8021		5/17/2019	CJR	1
Toluene	< 0.45	ug/l	0.45	1.45	1	GRO95/8021		5/17/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.73	ug/l	0.73	2.33	1	GRO95/8021		5/17/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.75	ug/l	0.75	2.39	1	GRO95/8021		5/17/2019	CJR	1
m&p-Xylene	< 1	ug/l	1	3.17	1	GRO95/8021		5/17/2019	CJR	1
o-Xylene	< 0.58	ug/l	0.58	1.84	1	GRO95/8021		5/17/2019	CJR	1

Lab Code 5036186D
Sample ID MW-5
Sample Matrix Water
Sample Date 5/13/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		5/22/2019	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		5/22/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.28	ug/l	0.28	0.89	1	8260B		5/22/2019	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.65	1	8260B		5/22/2019	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		5/22/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.55	1	8260B		5/22/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.63	ug/l	0.63	2	1	8260B		5/22/2019	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		5/22/2019	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		5/22/2019	CJR	1

Project Name PORT WING AUTOMOTIVE **Invoice #** E36186
Project #

Lab Code 5036186E
Sample ID MW-3
Sample Matrix Water
Sample Date 5/13/2019

	Result		Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic											
PVOC + Naphthalene											
Benzene	0.46 "J"		ug/l	0.22	0.71	1	8260B		5/22/2019	CJR	1
Ethylbenzene	6.1		ug/l	0.26	0.83	1	8260B		5/22/2019	CJR	1
Methyl tert-butyl ether (MTBE)		< 0.28	ug/l	0.28	0.89	1	8260B		5/22/2019	CJR	1
Naphthalene		< 2.1	ug/l	2.1	6.65	1	8260B		5/22/2019	CJR	1
Toluene	0.39 "J"		ug/l	0.19	0.6	1	8260B		5/22/2019	CJR	1
1,2,4-Trimethylbenzene	6.8		ug/l	0.8	2.55	1	8260B		5/22/2019	CJR	1
1,3,5-Trimethylbenzene	1.23 "J"		ug/l	0.63	2	1	8260B		5/22/2019	CJR	1
m&p-Xylene	4.4		ug/l	0.43	1.38	1	8260B		5/22/2019	CJR	1
o-Xylene	1.65		ug/l	0.29	0.93	1	8260B		5/22/2019	CJR	1

Lab Code 5036186F
Sample ID MW-2R
Sample Matrix Water
Sample Date 5/13/2019

	Result		Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic											
PVOC + Naphthalene											
Benzene	21 "J"		ug/l	11	35.5	50	8260B		5/22/2019	CJR	1
Ethylbenzene	1070		ug/l	13	41.5	50	8260B		5/22/2019	CJR	1
Methyl tert-butyl ether (MTBE)		< 14	ug/l	14	44.5	50	8260B		5/22/2019	CJR	1
Naphthalene	350		ug/l	105	332.5	50	8260B		5/22/2019	CJR	1
Toluene	640		ug/l	9.5	30	50	8260B		5/22/2019	CJR	1
1,2,4-Trimethylbenzene	1810		ug/l	40	127.5	50	8260B		5/22/2019	CJR	1
1,3,5-Trimethylbenzene	530		ug/l	31.5	100	50	8260B		5/22/2019	CJR	1
m&p-Xylene	4900		ug/l	21.5	69	50	8260B		5/22/2019	CJR	1
o-Xylene	1820		ug/l	14.5	46.5	50	8260B		5/22/2019	CJR	1

Project Name PORT WING AUTOMOTIVE **Invoice #** E36186
Project #

Lab Code 5036186G
Sample ID MW-1R
Sample Matrix Water
Sample Date 5/13/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Lead, Dissolved	3.0 "J"	ug/L	1.1	3.7	1	7421		5/17/2019	CWT	1
Organic										
PVOC + Naphthalene										
Benzene	13 "J"	ug/l	11	35.5	50	8260B		5/24/2019	CJR	1
Ethylbenzene	400	ug/l	13	41.5	50	8260B		5/24/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 14	ug/l	14	44.5	50	8260B		5/24/2019	CJR	1
Naphthalene	112 "J"	ug/l	105	332.5	50	8260B		5/24/2019	CJR	1
Toluene	176	ug/l	9.5	30	50	8260B		5/24/2019	CJR	1
1,2,4-Trimethylbenzene	920	ug/l	40	127.5	50	8260B		5/24/2019	CJR	1
1,3,5-Trimethylbenzene	313	ug/l	31.5	100	50	8260B		5/24/2019	CJR	1
m&p-Xylene	1730	ug/l	21.5	69	50	8260B		5/24/2019	CJR	1
o-Xylene	380	ug/l	14.5	46.5	50	8260B		5/24/2019	CJR	1

Lab Code 5036186H
Sample ID TB
Sample Matrix Water
Sample Date 5/13/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		5/21/2019	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		5/21/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.28	ug/l	0.28	0.89	1	8260B		5/21/2019	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.65	1	8260B		5/21/2019	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		5/21/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.55	1	8260B		5/21/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.63	ug/l	0.63	2	1	8260B		5/21/2019	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		5/21/2019	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		5/21/2019	CJR	1

Project Name PORT WING AUTOMOTIVE **Invoice #** E36186
Project #

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

Code	*Comment*
1	Laboratory QC within limits.

CWT denotes sub contract lab - Certification #445126660

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 347 3

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)	Rob Wilmoth
Project (Name / Location):	Port Wing Automotive / Port Wing, WI

Reports To: Mark Johnson	Invoice To: Mark Johnson
Company	Company c/o METCO
Address P.O. Box 73	Address 709 Gillette St, ste 3
City State Zip Menomonie, WI 54751	City State Zip La Crosse, WI 54603
Phone 715-308-3503	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	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD (Dissolved)	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	PID/ FID
S036186 A	MW-6	5-13-19	1:53			N	3	GW	HCL									X						
B	MW-7	"	2:17			"	"	"	"									X						
C	MW-4	"	2:35			"	"	"	"									X						
D	MW-5	"	2:45			"	"	"	"									X						
E	MW-3	"	3:10			"	"	"	"									X						
F	MW-2R	"	3:45			"	"	"	"									X						
G	MW-1R	"	4:05			Y	4	"	HCL, HNO3, HCL			X						X						
H	TB	*					1											X						

Analysis Requested — Other Analysis

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)

* UTL Rates Apply

* Agent States

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

Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date
Rob Wilmoth	8:00	5-15-19			

Received in Laboratory By: [signature] Time: 8:00 Date: 5/16/19

C.1. SITE INVESTIGATION DOCUMENTATION

B.3.c. GROUNDWATER FLOW MAP 2/19/19

PORT WING AUTOMOTIVE

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

PORT WING, WISCONSIN

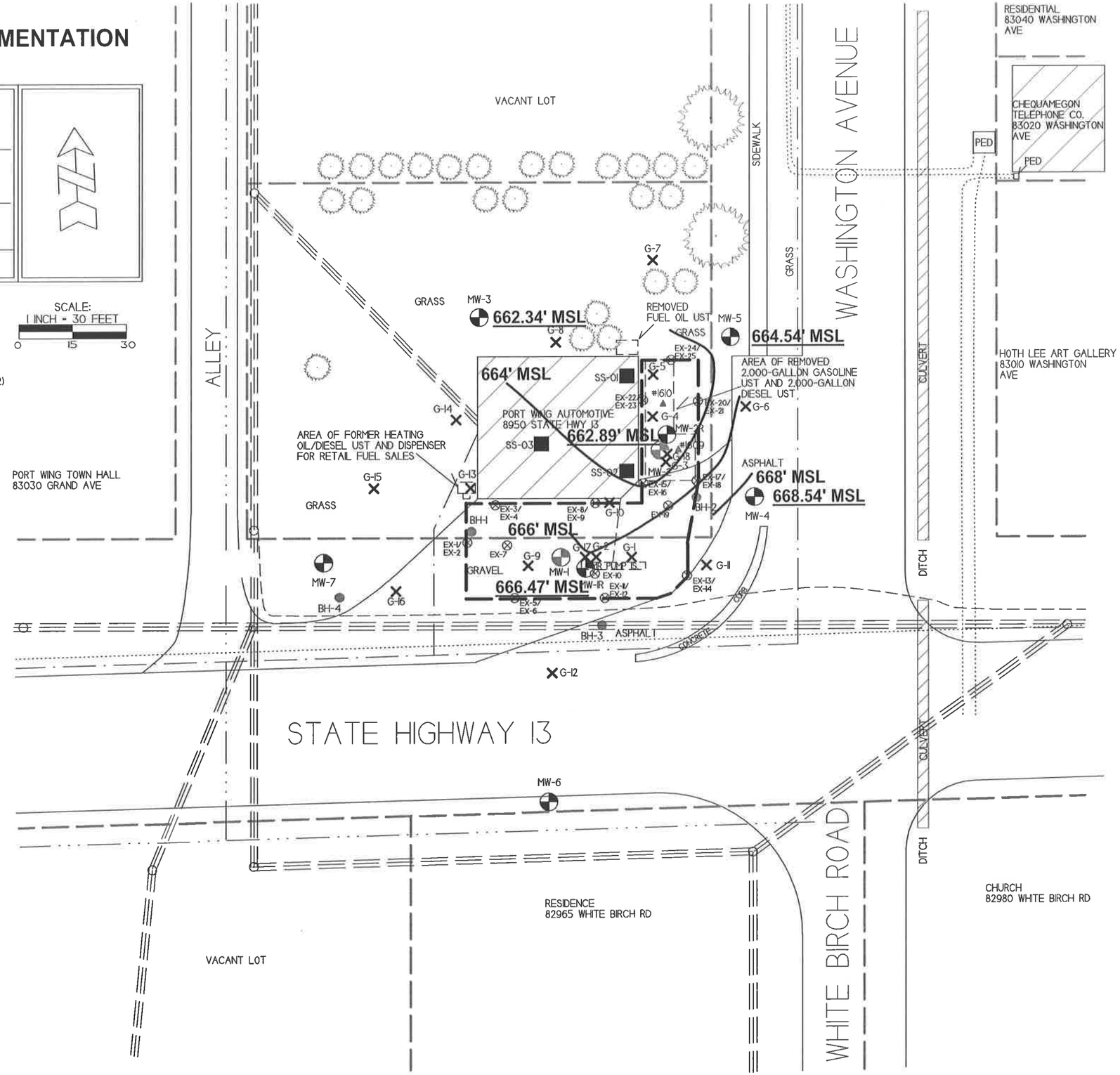
DRAWN BY: ED

DATE: 12/13/2013

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

SCALE: 1 INCH = 30 FEET
0 15 30

- ▲ - UST CLOSURE SOIL SAMPLING LOCATION
- ✕ - GEOPROBE BORING LOCATION
- ● - SOIL BORING LOCATION, DON'S UNION 76 STATION (03-04-100622)
- ⊗ - EXCAVATION PROJECT SOIL SAMPLING LOCATION
- ◒ - MONITORING WELL LOCATION
- ◒ - ABANDONED MONITORING WELL LOCATION
- ■ - SUB SLAB VAPOR SAMPLE LOCATION (3/7/18)
- WATER LINE
- SANITARY SEWER LINE
- BURIED ELECTRIC LINE
- OVERHEAD UTILITIES
- TELEPHONE/CABLE LINE
- PROPERTY BOUNDARY
- EXCAVATION AREA (METCO, JUNE 2017)



C.1. SITE INVESTIGATION DOCUMENTATION

B.3.c. GROUNDWATER FLOW MAP 5/13/19

PORT WING AUTOMOTIVE

METCO
709 Gillette Street, Suite 3
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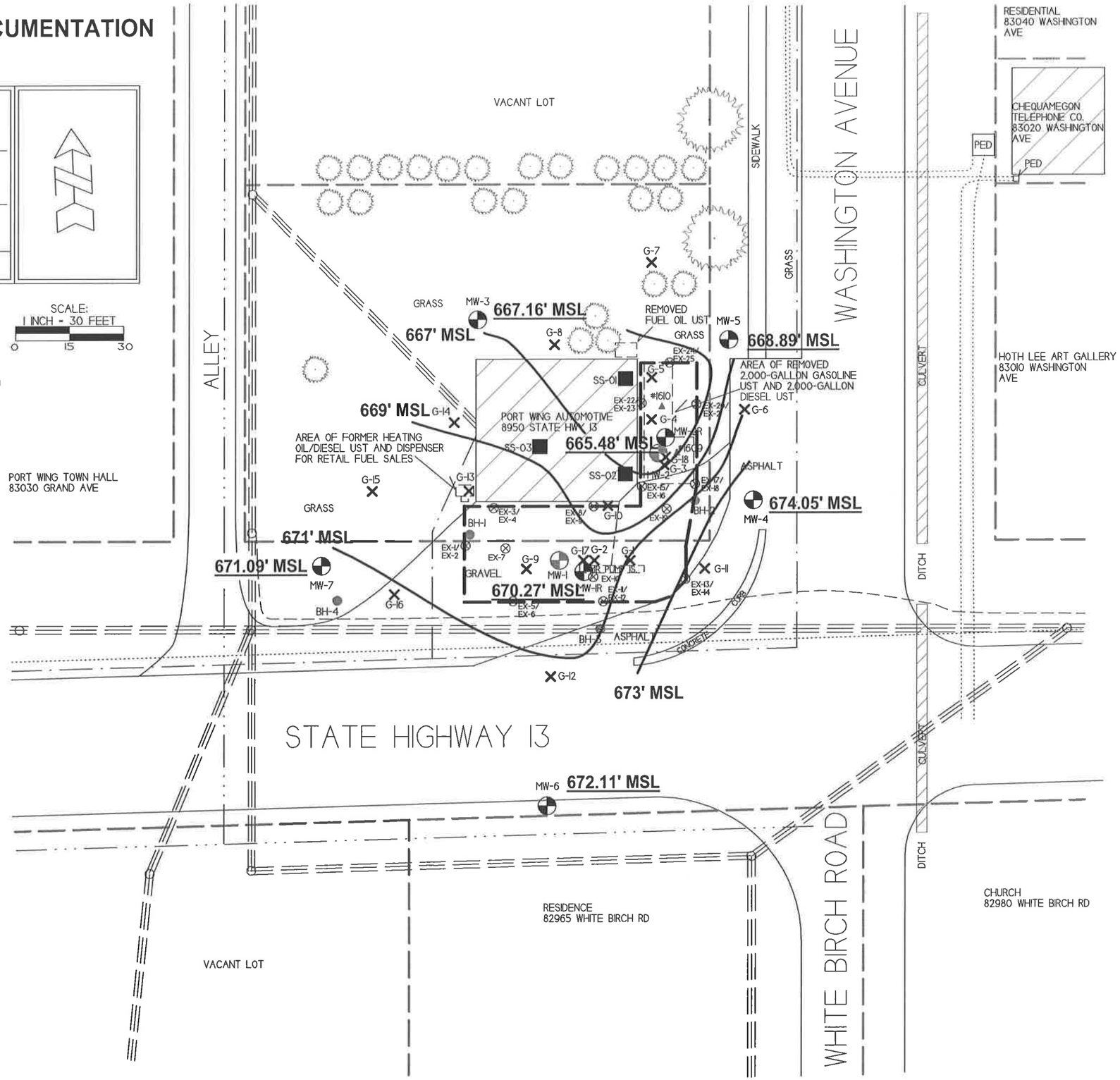
NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER

SCALE: 1 INCH = 30 FEET
0 15 30

- ▲ - UST CLOSURE SOIL SAMPLING LOCATION
- ✕ - GEOPROBE BORING LOCATION
- ● - SOIL BORING LOCATION, DON'S UNION 76 STATION (03-04-100622)
- ⊗ - EXCAVATION PROJECT SOIL SAMPLING LOCATION
- ⊕ - MONITORING WELL LOCATION
- ⊕ - ABANDONED MONITORING WELL LOCATION
- ■ - SUB SLAB VAPOR SAMPLE LOCATION (3/7/18)
- ——·——·—— - WATER LINE
- ——···——·· - SANITARY SEWER LINE
- — — — — — - BURIED ELECTRIC LINE
- ≡≡≡≡≡≡ - OVERHEAD UTILITIES
- ····· - TELEPHONE/CABLE LINE
- — — — — - PROPERTY BOUNDARY

- EXCAVATION AREA (METCO, JUNE 2017)



C.2. Investigative Waste

INVOICE

10-30 20 15

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

CUSTOMER: Mark Johnson % MEICO
709 Gillette St
La Crosse WI 54603

JOB NAME: Port Wing Automotive
Port Wing WI

☐ CASH ☐ CHECK # _____ ☒ IN-HOUSE ACCOUNT

QUANTITY DATE	QUANTITY SHIPPED	DESCRIPTION	QTY.	UNIT PRICE	AMOUNT
	1	Mobilization	1	274 -	274 -
	2	Haul soil drums to Advanced Disposal - Eau Claire WI	2	103 -	206 -
	1	Haul water drum to Advanced Disposal - Eau Claire WI	1	40 10	40 10
		Thanks for			
				TOTAL	520 10

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

SIGNATURE _____

132

C.2 Investigative Waste

Invoice

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

Date	Invoice #
6/16/2017.	2756

Bill To

METCO
% Mark Johnson
709 GILLETTE ST
LACROSSE, WI 54603

P.O. No.	Terms	Project
Port Wing Auto	Net 30	

Quantity	Description	Rate	Amount
1	Mobilization	3,000.00	3,000.00
969.2	Excavate C soil	3.50	3,392.20
969.2	C soil disposal	20.00	19,384.00
969.2	Haul C soil	26.00	25,199.20
849.2	Fill	12.00	10,190.40
120	Rock	16.00	1,920.00
969.2	Backfill & Compact	2.50	2,423.00
39	Landfill & Environmental Fee	10.00	390.00
	WI & Dunn Sales Tax	5.50%	0.00

Soil Excavation Disposal Project
Reviewed 6/19/17
OK

Phone #	715-235-2600	Total	$65,898.80

C.2. Investigative Waste

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

INVOICE

12-12 20 17

CUSTOMER: Metco c/o Mark Johnson
709 Gillette St
La Crosse WI 54603

JOB NAME: Polk Wing Auto
Polk Wing, WI

☐ CASH ☐ CHECK # _____ ☒ IN-HOUSE ACCOUNT

QUANTITY DATE	QUANTITY SHIPPED	DESCRIPTION	QTY.	UNIT PRICE	AMOUNT
	1	Mobilization	1	287 70	287 70
	3	Haul 55 gal drums to Advanced disposal - Eau Claire	3	108 15	324 45
		Thank You			
				TOTAL	612 15

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

SIGNATURE _____

203

C.2 Investigative Waste (Remedial Project)

VONCO

Vonco V Waste Management Campus
100 West Gary Street
Duluth, MN 55808
Permit: SW 536

17-043-I Port Wing Automotive

Date	Ticket	Customer	Truck	Material	Tons	Env Fee
06/12/2017	287478	001427 - DKS Construction	PAL4792	Contaminated Soil Tons	25.89	$10.00
06/12/2017	287481	001427 - DKS Construction	PAP5693	Contaminated Soil Tons	26.30	$10.00
06/12/2017	287483	001427 - DKS Construction	YBK7428	Contaminated Soil Tons	21.42	$10.00
06/12/2017	287486	001427 - DKS Construction	PAL6222	Contaminated Soil Tons	26.03	$10.00
06/12/2017	287492	001427 - DKS Construction	PAM8482	Contaminated Soil Tons	25.99	$10.00
06/12/2017	287494	001427 - DKS Construction	PAN7687	Contaminated Soil Tons	30.00	$10.00
06/12/2017	287495	001427 - DKS Construction	PAJ2272	Contaminated Soil Tons	21.16	$10.00
06/12/2017	287496	001427 - DKS Construction	T41958X	Contaminated Soil Tons	22.89	$10.00
06/12/2017	287499	001427 - DKS Construction	PAN0072	Contaminated Soil Tons	21.79	$10.00
06/12/2017	287500	001427 - DKS Construction	PAP5686	Contaminated Soil Tons	26.70	$10.00
06/12/2017	287507	001427 - DKS Construction	PAN7684	Contaminated Soil Tons	26.22	$10.00
06/12/2017	287509	001427 - DKS Construction	PAP5692	Contaminated Soil Tons	30.05	$10.00
06/12/2017	287516	001427 - DKS Construction	PAP5685	Contaminated Soil Tons	30.69	$10.00
06/12/2017	287519	001427 - DKS Construction	PAN7686	Contaminated Soil Tons	35.33	$10.00
06/12/2017	287521	001427 - DKS Construction	PAN0053	Contaminated Soil Tons	29.79	$10.00
06/12/2017	287524	001427 - DKS Construction	PAL4633	Contaminated Soil Tons	28.36	$10.00
06/12/2017	287532	001427 - DKS Construction	PAM5034	Contaminated Soil Tons	21.07	$10.00
06/12/2017	287547	001427 - DKS Construction	PAP5693	Contaminated Soil Tons	25.80	$10.00
06/12/2017	287549	001427 - DKS Construction	YBK7428	Contaminated Soil Tons	17.86	$10.00
06/12/2017	287552	001427 - DKS Construction	PAL6222	Contaminated Soil Tons	24.28	$10.00
06/12/2017	287555	001427 - DKS Construction	PAM8482	Contaminated Soil Tons	22.77	$10.00
06/12/2017	287558	001427 - DKS Construction	PAN7687	Contaminated Soil Tons	24.54	$10.00
06/12/2017	287560	001427 - DKS Construction	PAK5172	Contaminated Soil Tons	21.24	$10.00
06/12/2017	287562	001427 - DKS Construction	PAL4792	Contaminated Soil Tons	22.51	$10.00
06/12/2017	287568	001427 - DKS Construction	T41958X	Contaminated Soil Tons	21.85	$10.00
06/12/2017	287569	001427 - DKS Construction	PAJ2272	Contaminated Soil Tons	22.14	$10.00
06/12/2017	287570	001427 - DKS Construction	PAN0072	Contaminated Soil Tons	22.31	$10.00
06/12/2017	287571	001427 - DKS Construction	PAP5686	Contaminated Soil Tons	20.67	$10.00
06/12/2017	287572	001427 - DKS Construction	PAN7684	Contaminated Soil Tons	24.30	$10.00
06/12/2017	287573	001427 - DKS Construction	PAP5692	Contaminated Soil Tons	21.15	$10.00
06/12/2017	287577	001427 - DKS Construction	PAN7686	Contaminated Soil Tons	29.02	$10.00
06/12/2017	287580	001427 - DKS Construction	PAN0053	Contaminated Soil Tons	26.44	$10.00
06/12/2017	287581	001427 - DKS Construction	PAP5685	Contaminated Soil Tons	25.84	$10.00
06/12/2017	287588	001427 - DKS Construction	PAL4633	Contaminated Soil Tons	26.16	$10.00
06/12/2017	287590	001427 - DKS Construction	PAM5034	Contaminated Soil Tons	24.33	$10.00
06/12/2017	287593	001427 - DKS Construction	YBK7428	Contaminated Soil Tons	23.87	$10.00
06/12/2017	287600	001427 - DKS Construction	PAP5693	Contaminated Soil Tons	23.91	$10.00
06/12/2017	287601	001427 - DKS Construction	PAL6222	Contaminated Soil Tons	24.66	$10.00
06/12/2017	287603	001427 - DKS Construction	PAM8482	Contaminated Soil Tons	23.87	$10.00
				Total Tons	***969.20***	***$390.00***
				Total Loads	***39***	***39***

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

INVOICE

6-14 2019

CUSTOMER: MEGO % Mark Johnson
709 Gillette St
La Crosse WI 54603

JOB NAME: POA Wing Auto
Port Wing WI

☐ CASH ☐ CHECK # _____ ☒ IN-HOUSE ACCOUNT

QUANTITY DATE	QUANTITY SHIPPED	DESCRIPTION	QTY.	UNIT PRICE	AMOUNT
	1	Mobilization	1		316 47
	1	Haul Water drum to Blaomar Wastewater Treatment Plant	1		42 11
				TOTAL	358 58

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

239

SIGNATURE _____

Inv. Waste Disposal
Received 6/14/19
OK

Attachment D/Maintenance Plan(s)

D.1 Description of Maintenance Actions

D.2 Location map(s)

D.3 Photographs

D.4 Inspection log

D.1 Description of Maintenance Action(s)

CAP MAINTENANCE PLAN

9/3/2019

Property Located at:
83000-83060 Washington Ave
Port Wing WI, 54865

WDNR BRRTS# 03-04-234613

PECFA # 54865-9999-99

Introduction

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

More site-specific information about this property/site 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): https://dnr.wi.gov/botw/SetUpBasicSearchForm.do?rtn=rb
- GIS Registry PDF file for further information on the nature and extent of contamination
- The DNR project manager for Bayfield County.

Description of Contamination

Soil contaminated by Benzene, Ethylbenzene, Naphthalene, Toluene, trimethylbenzenes and Xylene is located at a depth of 3.5- 13.5 feet below ground surface in the area of the removed UST systems. Groundwater contaminated by Benzene, Ethylbenzene, Naphthalene, Toluene, trimethylbenzenes and Xylene is located at a depth of 6.25-13.5 feet below ground surface 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 the existing building (concrete slab on-grade, 4 inches thick). The Cap area is shown on Attachment D.2.

Cover/Building/Slab/Barrier Purpose

The building cap over the contaminated soil and groundwater acts as a partial infiltration barrier to minimize future soil-to-groundwater contamination migration that would violate the groundwater standards in ch. NR 140, Wisconsin Administrative Code. Based on the current use of the property, the barrier should function as intended unless disturbed.

Annual Inspection

The building cap 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 and other potential problems that can cause exposure to underlying soils. The inspections will be performed by the property owner or their designated representative. The inspections will be performed to evaluate damage due to settling, exposure to the weather, wear from traffic, increasing age and other factors. Any area where soils have become or are likely to become exposed and where infiltration from the surface will not be effectively minimized will be documented.

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

Maintenance Activities

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

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

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

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

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

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

Amendment or Withdrawal of Maintenance Plan

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

Contact Information

September 2019

Current Site Contact:
Mark Johnson
P.O. Box 73
Menomonie, WI 54751
715-308-3503

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

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

WDNR:
Carrie Stoltz
107 Sutliff Ave
Rhinelander, WI 54501

D.2 CAP LOCATION MAP

PORT WING AUTOMOTIVE

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

PORT WING, WISCONSIN

DRAWN BY: ED

DATE: 12/13/2013

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

SCALE:
1 INCH = 30 FEET
0 15 30

✕ - GEOPROBE BORING LOCATION

⊗ - SOIL EXCAVATION PROJECT (METCO, JUNE 2017)

- WATER LINE
- SANITARY SEWER LINE
- BURIED ELECTRIC LINE
- OVERHEAD UTILITIES
- TELEPHONE/CABLE LINE
- PROPERTY BOUNDARY

- EXCAVATION AREA (METCO, JUNE 2017)

PORT WING TOWN HALL
83030 GRAND AVE

ALLEY

VACANT LOT

SIDEWALK

WASHINGTON AVENUE

CULVERT

RESIDENTIAL
83040 WASHINGTON AVE

CHEQUAMEGON TELEPHONE CO.
83020 WASHINGTON AVE

PED

PED

HOTH LEE ART GALLERY
83010 WASHINGTON AVE

CAP PLAN AREA FOR NR720 GW RCL EXCEEDENCES (ON-SITE BUILDING)

GRASS

REMOVED FUEL OIL UST

GRASS

G-8

AREA OF REMOVED 2,000-GALLON GASOLINE UST AND 2,000-GALLON DIESEL UST

PORT WING AUTOMOTIVE
8950 STATE HWY 13

EX-23

AREA OF FORMER HEATING OIL/DIESEL UST AND DISPENSER FOR RETAIL FUEL SALES

G-13

EX-17

ASPHALT

GRASS

EX-4

EX-9

G-10

EX-2

EX-7

LFER PUMP IS

EX-10

G-11

GRAVEL

EX-11/
EX-12

EX-13/
EX-14

PAL

EX-6

ES

DITCH

ASPHALT

CONCRETE

CURB

ESTIMATED EXTENT OF PETROLEUM CONTAMINATION IN SOIL EXCEEDING NR720 GROUNDWATER RCL'S AND/OR SOIL SATURATION CONCENTRATION (C-SAT) VALUES.

STATE HIGHWAY 13

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

CULVERT

DITCH

RESIDENCE
82965 WHITE BIRCH RD

WHITE BIRCH ROAD

CHURCH
82980 WHITE BIRCH RD

VACANT LOT

ZH
11-12-19

11-12-19

03-04-234613 BRRTS No.

Port Wing Automotive Activity (Site) Name

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

{Click to Add/Edit Image} Date added: 09/03/2019

Title: Photo 1#: Area of cap to be maintained (looking North)

{Click to Add/Edit Image} Date added: 09/03/2019

Title: Photo 2#: Area of cap to be maintained (looking South)

D. 3. Photographs

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

D.4. Inspection Log

Continuing Obligations Inspection and Maintenance Log

Form 4400-305 (2/14)

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: Port Wing Automotive

BRRTS No.: 03-04-234613

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):

carrie.stoltz@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

Attachment E/Monitoring Well Information

All monitoring wells have been located and will be abandoned upon conditional closure.

Attachment F/Source Legal Documents

F.1 Deed

F.2 Certified Survey Map

F.3 Verification of Zoning

F.4 Signed Statement

DOCUMENT NO.

STATE BAR OF WISCONSIN FORM 3-1982
QUIT CLAIM DEED

PATRICIA A OLSON
BAYFIELD COUNTY, WI
REGISTER OF DEEDS

2013R-548158

02/12/2013 08:00AM
TF EXEMPT #:
RECORDING FEE: 30.00
TRANSFER FEE: 23.10
PAGES: 1

Mary T. Donahue f/k/a Mary T. Kenda, (Grantor) quit claims to **Port Wing Properties LLC, a Wisconsin Limited Liability Company, (Grantee)** the following described real estate in **BAYFIELD** County, State of Wisconsin:

Lots Nine (9), Ten (10), Eleven (11) and Twelve (12), Block Thirty-one (31), First Addition to Port Wing, Town of Port Wing, Bayfield County, Wisconsin.

RETURN TO

Port Wing Properties LLC
P.O. Box 194
Port Wing, WI 54865

64947-WT

F.L. Deed

Tax Parcel No: 04-042-2-50-08-29-4 00-173-45000

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

Dated this 11 day of February, 2013.

_____ (SEAL)
* _____

Mary T. Donahue (SEAL)
* Mary T. Donahue f/k/a Mary T. Kenda

AUTHENTICATION

Signature(s)_____

_____

authenticated this _____ day of _____, 20___.

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

THIS INSTRUMENT WAS DRAFTED BY
Wisconsin Title, Inc. as directed by Grantor

_____

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

ACKNOWLEDGMENT

STATE OF WISCONSIN }
COUNTY OF ASHLAND } ss.

Personally came before me this 11th day of February, 2013 the above named **Mary T. Donahue f/k/a Mary T.** to me known to be the person(s) who executed the foregoing instrument and acknowledge the same.

_____
Notary Public Ashland County, Wis.
My Commission is permanent.
(If not, state expiration date: 4/3/16)

NOTARY PUBLIC STATE OF WISCONSIN

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

QUIT CLAIM DEED

V1101 P105

State Bar of Wisconsin Form 3-2003
QUIT CLAIM DEED

Document Number | Document Name

PATRICIA A OLSON
BAYFIELD COUNTY, WI
REGISTER OF DEEDS

2014R-554054

04/25/2014 09:15AM
TF EXEMPT #: 8
RECORDING FEE: 30.00
PAGES: 1

THIS DEED, made between Sally Ann Johnson, aka Sally A Johnson ("Grantor," whether one or more), and Port Wing Properties, LLC ("Grantee," whether one or more).

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

Lots Nine (9), Ten (10), Eleven (11) and Twelve (12), Block Thirty-one (31), First Addition to Port Wing, Bayfield County, Wisconsin.

Recording Area

Name and Return Address

Timothy T Sempf
ATTTORNEY AT LAW
314 Keller Ave N #200
Amery WI 54001

F.I. Deed

SMSF

04-042-2-50-08-29-4 00-173-45000
Parcel Identification Number (PIN)

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

Dated 4-2-14

(SEAL) Sally Ann Johnson (SEAL)
* * Sally Ann Johnson, aka Sally A Johnson

(SEAL) (SEAL)
* *

AUTHENTICATION

Signature(s) Sally Ann Johnson, aka Sally A Johnson
authenticated on 4-2-14
* Christina Mayer
TITLE: MEMBER STATE BAR OF WISCONSIN
(If not, authorized by Wis. Stat. § 706.06)

THIS INSTRUMENT DRAFTED BY:
Timothy T Sempf #1019141
Amery WI 54001

ACKNOWLEDGMENT

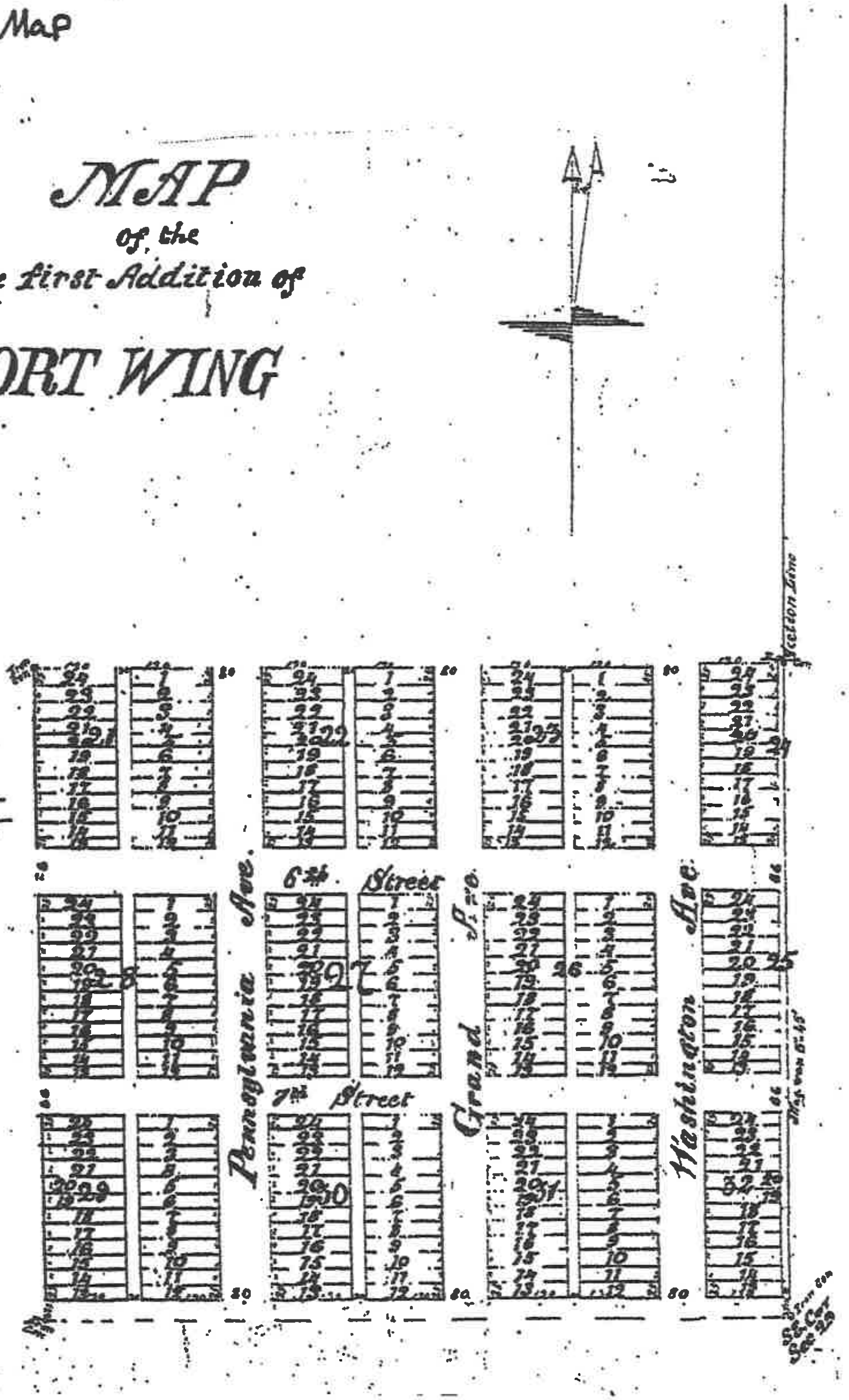
STATE OF WISCONSIN)
) ss.
COUNTY)

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

*
Notary Public, State of Wisconsin
My Commission (is permanent) (expires:)

(Signatures may be authenticated or acknowledged. Both are not necessary.)
NOTE: THIS IS A STANDARD FORM. ANY MODIFICATIONS TO THIS FORM SHOULD BE CLEARLY IDENTIFIED.

F.2. Certified Survey Map



hereby certify that we caused
nd described in the foregoing
cate of John H. Ogilvie Surveyor
urveyed and mapped as represented
within Map

Theodore C. Ohrstrom
Mary Ohrstrom
By Theodore C. Ohrstrom
Her Attorney in fact.

te of Wisconsin
field County

Remembered that on the day of
ember A.D. 1893 personally came
me the above named Theodore
strom to me known to be the
n who executed the above
icate and acknowledged the

Erik Johannesson
Notary Public Wis.

51.

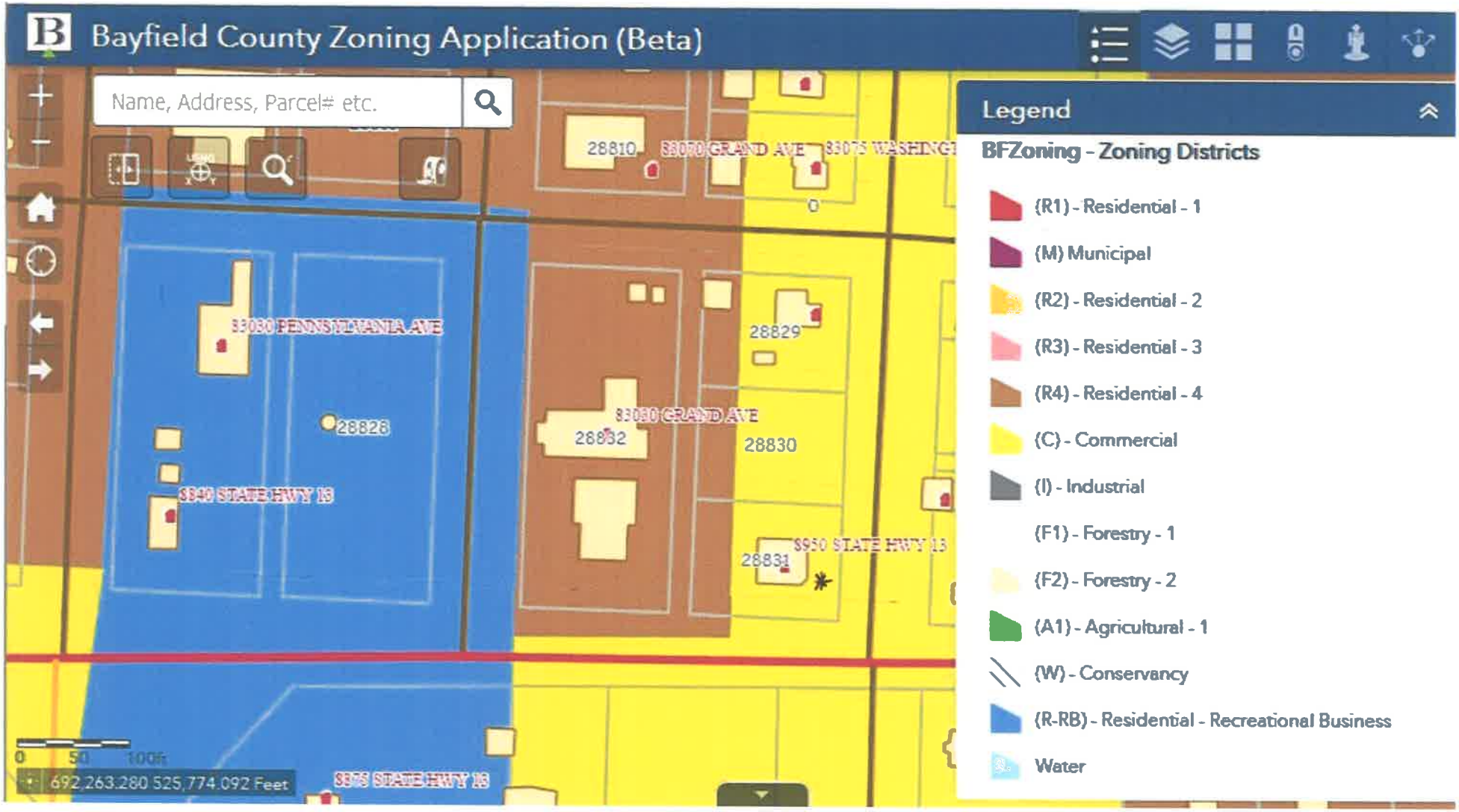
State of Wisconsin

I John H. Ogilvie C. E.
County of Bayfield and Sta
Hereby certify that between
and twenty sixth day of Sep
surveyed and platted the
land located in the Coun
State of Wisconsin

All that part of section (2
Township (50) fifty North,
and described as follows

South east angle of said sec
Thence northward along
of the said section (1065 feet) ten
five feet to an Iron post
Thence Westward
the section line (1300 feet) thirt
to an Iron post
Thence sou
to the east boundary of the
twenty nine (1065 ft) ten hund
feet to an Iron post
Thence ea
thirteen hundred feet to
said section (29) twenty nine
beginning
And that I made
said land under the orders of The
That the map is a correct represent
boundaries of the land surveyed a
thereon made
That I have fu
the provisions of Chapter

F.3. Verification of Zoning



F.4. Signed Statement

WDNR BRRTS Case #: 03-04-234613

WDNR Site Name: Port Wing Automotive

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:

MARK A. JOHNSON
(print name/title)

Mark A Johnson 9-29-18
(signature) (date)

Attachment G/Notifications to Owners of Affected Properties

G.A. Notification to Wisconsin Department of Transportation

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

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

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

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

G.A.

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: Port Wing Automotive

County	Highway
Bayfield	13

Address	City	State	ZIP Code
8950 State Highway 13	Port Wing	WI	54865

BRRTS Number:	PECFA Number:	FID Number:
03-04-234613	54-86-5999999	

Owner Information

Last Name	First	MI
Johnson	Mark	

Address	City	State	ZIP Code
8950 State Highway 13	Port Wing	WI	54865

Consultant Information

Consulting Firm: METCO

Consultant Contact: Last Name	First	MI
Powell	Jason	

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

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

E-mail jasonp@metcohq.com

Contamination Information

Soil contamination? ◉ Yes ○ No
Groundwater contamination? ◉ Yes ○ No

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

Brief summary of cleanup activity:
On June 12, 2017, DKS Construction Services, Inc. of Menomonie, Wisconsin conducted a soil excavation/disposal project at the subject property under the supervision and direction of METCO personnel. During this project, 969.20 tons of petroleum contaminated soil was excavated and hauled to the Waste Management - Vonco V Landfill in Duluth, Minnesota.

Checklist of Documents to Submit

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

Max Wannow

From: DOT Hazmat Unit <DOTHazmatUnit@dot.wi.gov>
Sent: Thursday, September 13, 2018 11:16 AM
To: Max Wannow; DOT Hazmat Unit
Subject: RE: Notification of Contamination

Thank you Max,
I've received the notification for the Port Wing Automotive site, BRRTS # 03-040234613. Please keep a copy of this email for your records.

Shar

Sharlene Te Beest
Hazardous Materials Specialist
WisDOT- BTS-ESS
Phone 608-266-1476
Cell 608-692-4546

Mailing address:
PO Box 7965, 5 South
Madison, WI 53707-7965

New Street Address:
4822 Madison Yards Way 5 South
Madison, WI 53705

e-mail sharlene.tebeest@dot.wi.gov

-----Original Message-----
From: Max Wannow [mailto:maxw@metcohq.com]
Sent: Tuesday, September 11, 2018 3:00 PM
To: DOT Hazmat Unit <DOTHazmatUnit@dot.wi.gov>
Subject: [WARNING: ATTACHMENT(S) MAY CONTAIN MALWARE]Notification of Contamination

Notification of Contamination

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

Max Wannow
METCO - Hydrogeologist
maxw@metcohq.com / 608.781.8879
709 Gillette Street - Suite 3, La Crosse WI 54603 http://secure-web.cisco.com/1vIPXwzwTU_pUTvM_SCEhX-xmRqJk9TeZEtwgd-eKnbCwmjSbfnRiwpZuMntA9fhRgGz8PNd-6V5V_Tv1y02t2QoIEYzBrhQ_UTSM0-zYW9pyBNIZ4D45v_M9CF0xUR6CUkyZyJJb7hHY75AiIZ2sMYClWINhKquXqxf8LupL0He3GYYMlSbMHEa_EMuOig2ht8UCqwJnffKOusF_FKADZymDfv4FJ8W4UPA4zGKUaW7434ESLCYPw6iLSBb-Oc37/http%3A%2F%2Fwww.metcohq.com

B.2.a SOIL CONTAMINATION MAP

PORT WING AUTOMOTIVE

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

PORT WING, WISCONSIN

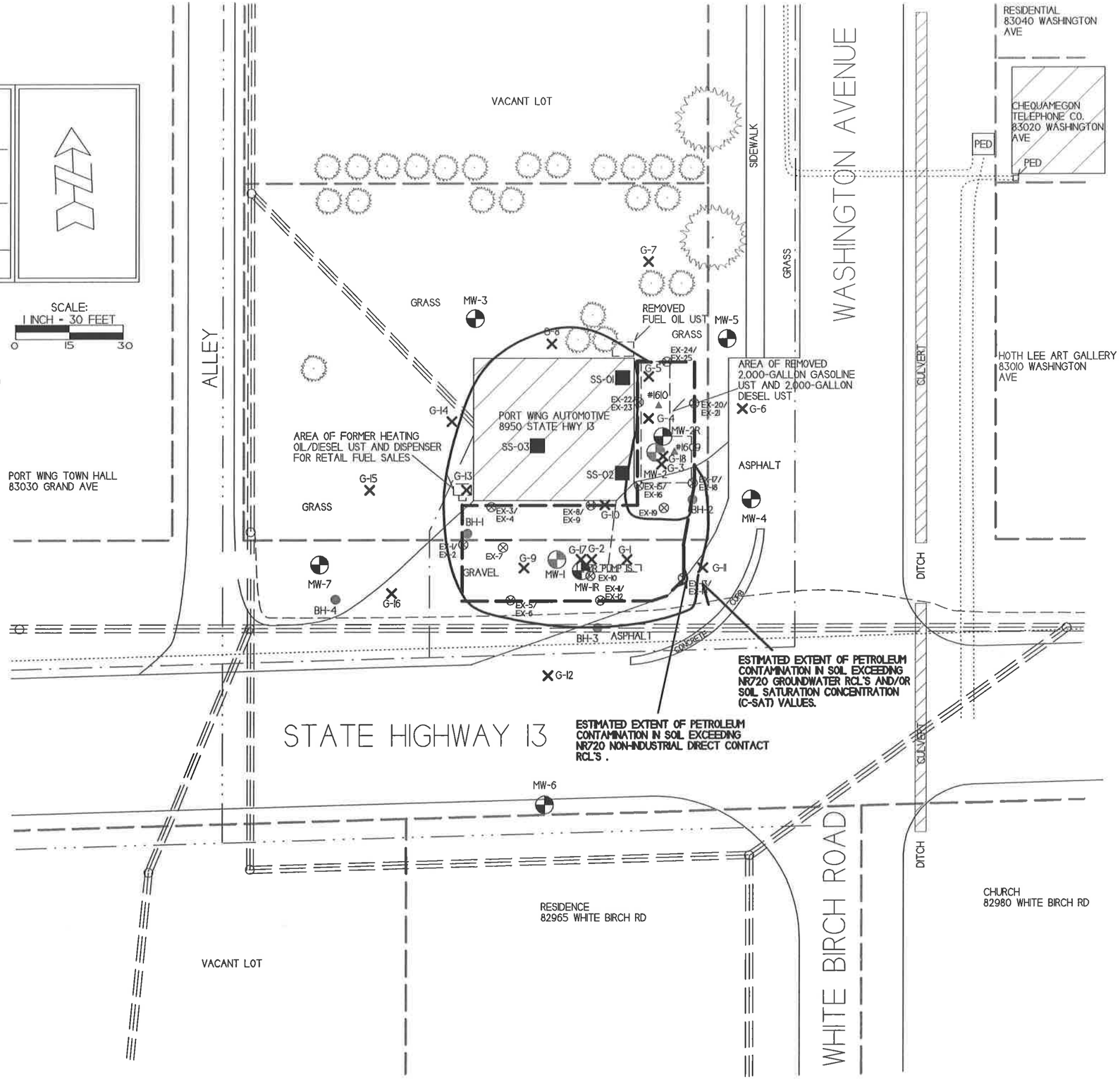
DRAWN BY: ED
DATE: 12/13/2013

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

SCALE:
1 INCH = 30 FEET
0 15 30

- ▲ - UST CLOSURE SOIL SAMPLING LOCATION
- ✕ - GEOPROBE BORING LOCATION
- ● - SOIL BORING LOCATION, DON'S UNION 76 STATION (03-04-100622)
- ⊗ - EXCAVATION PROJECT SOIL SAMPLING LOCATION
- ◒ - MONITORING WELL LOCATION
- ◒ - ABANDONED MONITORING WELL LOCATION
- ■ - SUB SLAB VAPOR SAMPLE LOCATION (3/7/18)
- ——·——·—— - WATER LINE
- ——···——·· - SANITARY SEWER LINE
- — — — — — - BURIED ELECTRIC LINE
- ═══════ - OVERHEAD UTILITIES
- ····· - TELEPHONE/CABLE LINE
- — — — — - PROPERTY BOUNDARY

- EXCAVATION AREA (METCO, JUNE 2017)



B.3.b GROUNDWATER ISOCONCENTRATION (5/13/19)

PORT WING AUTOMOTIVE

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

PORT WING, WISCONSIN

DRAWN BY: ED
DATE: 12/13/2013

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

SCALE:
1 INCH = 30 FEET
0 15 30

- ▲ - UST CLOSURE SOIL SAMPLING LOCATION
- ✕ - GEOPROBE BORING LOCATION
- ● - SOIL BORING LOCATION, DON'S UNION 76 STATION (03-04-100622)
- ⊗ - EXCAVATION PROJECT SOIL SAMPLING LOCATION
- ◒ - MONITORING WELL LOCATION
- ◒ - ABANDONED MONITORING WELL LOCATION
- ■ - SUB SLAB VAPOR SAMPLE LOCATION (3/7/18)
- WATER LINE
- SANITARY SEWER LINE
- BURIED ELECTRIC LINE
- OVERHEAD UTILITIES
- TELEPHONE/CABLE LINE
- PROPERTY BOUNDARY

- EXCAVATION AREA (METCO, JUNE 2017)