

State of Wisconsin  
DEPARTMENT OF NATURAL RESOURCES  
473 Griffith Ave.  
Wisconsin Rapids WI 54494

Scott Walker, Governor  
Cathy Stepp, Secretary  
Telephone 608-266-2621  
Toll Free 1-888-936-7463  
TTY Access via relay - 711



July 10, 2017

Nathan Properties, LLC  
James Walker  
W8215 County Rd B  
New Lisbon WI 53950

KEEP THIS DOCUMENT WITH YOUR PROPERTY RECORDS

SUBJECT: Final Case Closure with Continuing Obligations  
Affordable Auto Care Repair Shop  
115 N Adams Street, New Lisbon WI  
DNR BRRTS Activity #: 03-29-555679  
FID #: 701058270

Dear Mr. Walker:

The Department of Natural Resources (DNR) considers Affordable Auto Care Repair Shop closed, with continuing obligations. No further investigation or remediation is required at this time. However, you, future property owners, and occupants of the property must comply with the continuing obligations as explained in the conditions of closure in this letter. Please read over this letter closely to ensure that you comply with all conditions and other on-going requirements. Provide this letter and any attachments listed at the end of this letter to anyone who purchases, rents or leases this property from you.

This final closure decision is based on the correspondence and data provided, and is issued under chs. NR 726 and 727, Wis. Adm. Code. The West Central Region (WCR) Closure Committee reviewed the request for closure on May 7, 2017. The Closure Committee reviewed this environmental remediation case for compliance with state laws and standards to maintain consistency in the closure of these cases. A request for remaining actions needed was issued by the DNR on May 8, 2017, and documentation that the conditions in that letter were met was received on June 19, 2017.

This former gas station had soil and groundwater contamination with petroleum volatile organic compounds (PVOCs) and lead. The response included a site investigation and groundwater monitoring. The conditions of closure and continuing obligations required were based on the property being used for commercial purposes.

#### Continuing Obligations

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

- Groundwater contamination is present at or above ch. NR 140, Wis. Adm. Code enforcement standards.
- Residual soil contamination exists that must be properly managed should it be excavated or removed.
- Pavement must be maintained over contaminated soil and the DNR must be notified and approve any changes to this barrier.

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

#### GIS Registry

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

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

All site information is also on file at the West Central Regional DNR office, at 473 Griffith Avenue Wisconsin Rapids. This letter and information that was submitted with your closure request application, including any maintenance plan and maps, can be found as a Portable Document Format (PDF) in BRRTS on the Web.

#### Prohibited Activities

Certain activities are prohibited at closed sites because maintenance of a barrier is intended to prevent contact with any remaining contamination. When a barrier is required, the condition of closure requires notification of the DNR before making a change, in order to determine if further action is needed to maintain the protectiveness of the remedy employed. The following activities are prohibited on any portion of the property where pavement is required, as shown on the attached map Location Map, D.2 dated 9-7-2016, unless prior written approval has been obtained from the DNR:

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

#### Closure Conditions

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

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

Department of Natural Resources

Attn: Dee Lance

473 Griffith Avenue

Wisconsin Rapids WI 54494

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

Groundwater contamination greater than enforcement standards is present both on this contaminated property and off this contaminated property, as shown on the attached map, Groundwater Isoconcentration map B.3.b dated 9/7/2016. If you intend to construct a new well, or reconstruct an existing well, you'll need prior DNR approval. Affected property owners and right-of-way holders were notified of the presence of groundwater contamination. This continuing obligation also applies to the City of New Lisbon – 115 N Adams Street and WDOT – USH 12/16.

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

Soil contamination remains in the area of the former gasoline tanks and pump island areas as indicated on the attached map Residual Soil Contamination Map B.2.b dated 9/7/2016. If soil in the specific locations described above is excavated in the future, the property owner or right-of-way holder at the time of excavation must sample and analyze the excavated soil to determine if contamination remains. If sampling confirms that contamination is present, the property owner or right-of-way holder at the time of excavation will need to determine whether the material is considered solid or hazardous waste and ensure that any storage, treatment or disposal is in compliance with applicable standards and rules. Contaminated soil may be managed in accordance with ch. NR 718, Wis. Adm. Code, with prior DNR approval. This continuing obligation also applies to the City of New Lisbon – 115 N Adams Street and WDOT – USH 12/16.

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

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

The pavement that exists in the location shown on the attached map Location Map D.2 dated 9/7/2016 shall be maintained in compliance with the attached maintenance plan in order to minimize the infiltration of water and prevent additional groundwater contamination that would violate the groundwater quality standards in ch. NR 140, Wis. Adm. Code, and to prevent direct contact with residual soil contamination that might otherwise pose a threat to human health.

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

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

The attached maintenance plan and inspection log (DNR form 4400-305) are to be kept up-to-date and on-site. Inspections shall be conducted annually in accordance with the attached maintenance plan. Submit the inspection log to the DNR only upon request.

PECFA Reimbursement

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

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

In Closing

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

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

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 Dee Lance at 715-421-7862, or at [Dee.Lance@wisconsin.gov](mailto:Dee.Lance@wisconsin.gov).

Sincerely,



Dave Rozeboom  
West Central Team Supervisor  
Remediation & Redevelopment Program

Attachments:

- Groundwater Isoconcentration map B.3.b dated 9/7/2016
- Residual Soil Contamination Map B.2.b dated 9/7/2016
- Maintenance Plan, D.1 dated 1/13/2017
- Inspection Log WDNR Form 4400-305

cc: Jason Powell, METCO

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

### CAP/BARRIER MAINTENANCE PLAN

January 13, 2017

Property Located at:  
115 N Adams Street  
New Lisbon, WI 53950

WDNR BRRTS# 03-29-555679

TAX KEY# 292610549

#### Introduction

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

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

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

#### Description of Contamination

Soil contaminated by Petroleum Volatile Organic Compounds (PVOCs) and /or Lead is located at a depth of 0-10.5 feet below ground surface (bgs) in the area of the removed UST systems. Groundwater contaminated by PVOCs is located at a depth of 7.82 to 10.50 feet bgs. The extent of the soil and groundwater contamination is shown on Attachment D.2.

#### Description of the Cap/Barrier to be Maintained

The cap/barrier consists of the asphalt (2-3 inches thick) and concrete (4 inches thick) covering the area of soil contamination, as shown on Attachment D.2.

#### Cap/Barrier Purpose

The asphalt and concrete cap/barrier over the contaminated soil and groundwater will act as a barrier to prevent direct human contact with residual soil contamination that might otherwise pose a threat to human health. The cap/barrier also acts as a partial infiltration barrier to minimize future soil-to-groundwater contamination migration that would violate the groundwater

standards in ch. NR 140, Wisconsin Administrative Code. Based on the current and future use of the property, the barrier should function as intended unless disturbed.

#### Annual Inspection

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

A log of the inspections and any repairs will be maintained by the property owner and is included as Form 4400-305 Continuing Obligations and Maintenance Log. The log will include recommendations for necessary repair of any areas where underlying soils are exposed. Once repairs are completed, they will be documented in the inspection log. A copy of the inspection log will be kept at the address of the property owner and available for submittal or inspection by Wisconsin Department of Natural Resources ("WDNR") representatives upon their request.

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

#### Maintenance Activities

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

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

The property owner, in order to maintain the integrity of the asphalt and concrete cap/barrier, 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 Cap/Barrier

The following activities are prohibited on any portion of the property where the cap/barrier is required as shown on the attached map, unless prior written approval has been obtained from the Wisconsin Department of Natural Resources: 1) removal of the existing barrier; 2)

replacement with another barrier; 3) excavating or grading of the land surface; 4) filling on capped or paved areas; 5) plowing for agricultural cultivation; 6) construction or placement of a building or other structure; 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

January 2017

#### **Current Site Owner and Operator:**

Nathan Properties, LLC  
W8215 County Road B  
New Lisbon, WI 53950  
(608) 562-5329

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:**

Dee Lance  
473 Griffith Avenue  
Wisconsin Rapids, WI 54494  
(715) 421-7862

# D.4 Inspection Log

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

## Continuing Obligations Inspection and Maintenance Log

Form 4400-305 (2/14)

Page 1 of 2

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

Activity (Site) Name <b>Affordable Auto Care Repair Shop</b>	BRRTS No. <b>03-29-555679</b>
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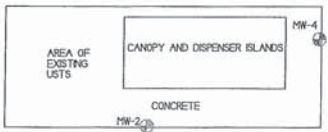
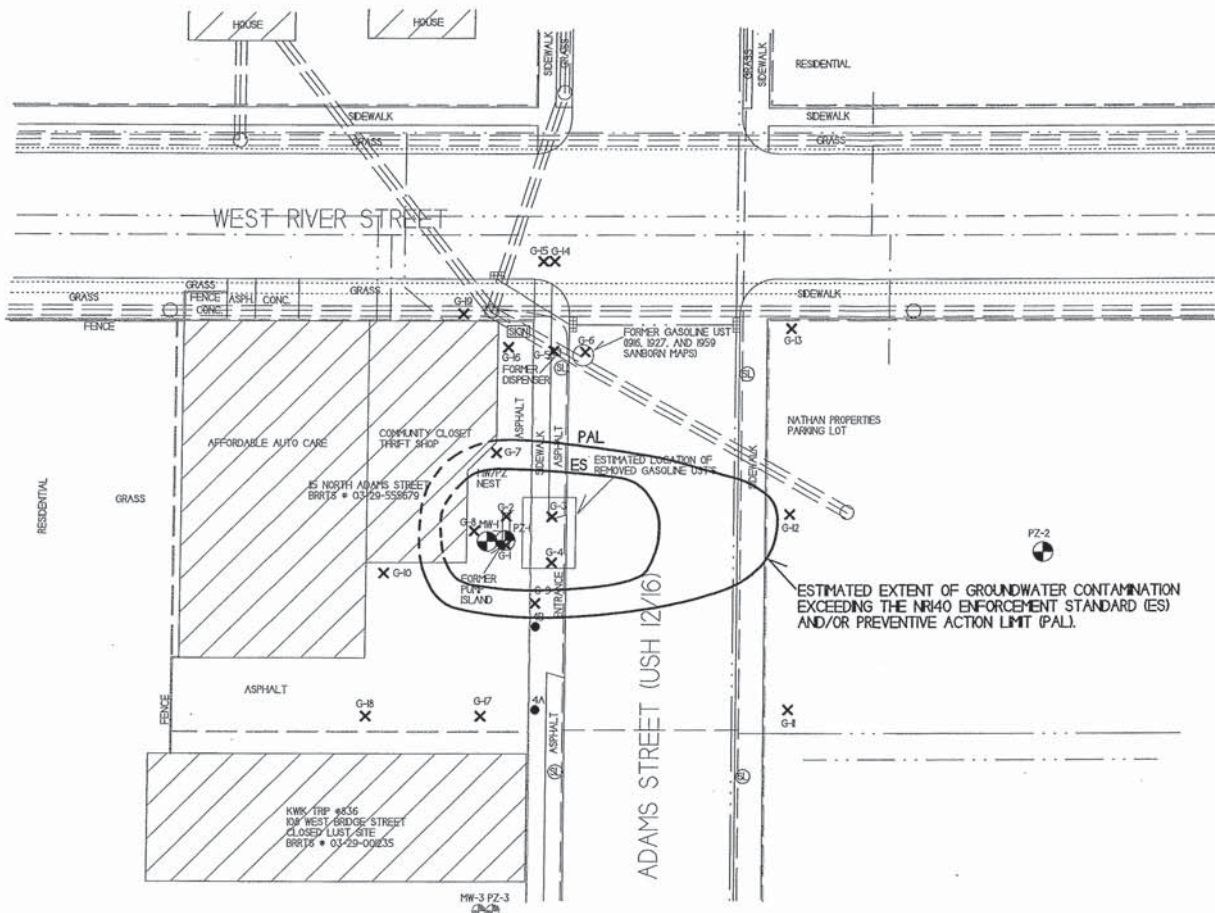
Inspections are required to be conducted (see closure approval letter):

- annually
- semi-annually
- other – specify \_\_\_\_\_

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

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





<b>B.3.b. GROUNDWATER ISOCONCENTRATION AFFORDABLE AUTO CARE REPAIR SHOP</b>		
700 Grille Street, Suite 3 La Crosse, WI 54603 Tel: (608) 781-6679 Fax: (608) 781-6623		NEW LISBON, WISCONSIN DRAWN BY: ED DATE: 5/15/2013 PROJECT BY: PH DATE: 9/7/2018

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



- - PZESA SOL BORING LOCATION
- ✕ - GEOPROBE BORING LOCATION
- ⊕ - FORMER MONITORING WELL LOCATION - KWK TRIP
- ⊖ - MONITORING/PIEZOMETER WELL LOCATION

- PROPERTY BOUNDARY \_\_\_\_\_
- WATER LINE \_\_\_\_\_
- SANITARY SEWER LINE \_\_\_\_\_
- STORM SEWER LINE \_\_\_\_\_
- NATURAL GAS LINE \_\_\_\_\_
- BURIED ELECTRIC LINE \_\_\_\_\_
- BURIED TELEPHONE/CABLE LINE \_\_\_\_\_
- OVERHEAD ELECTRIC LINE \_\_\_\_\_

NOTE: GROUNDWATER ISOCONCENTRATION BASED ON GEOPROBE GROUNDWATER ANALYTICAL RESULTS (9/16/2013) AND ROUND 4 GROUNDWATER ANALYTICAL RESULTS (2/15/2016).

SHALLOW GROUNDWATER FLOW  
 -BASED ON ADJACENT CLOSED LUST SITE  
 KWK TRIP #836 (BRRTS# 03-29-00235)



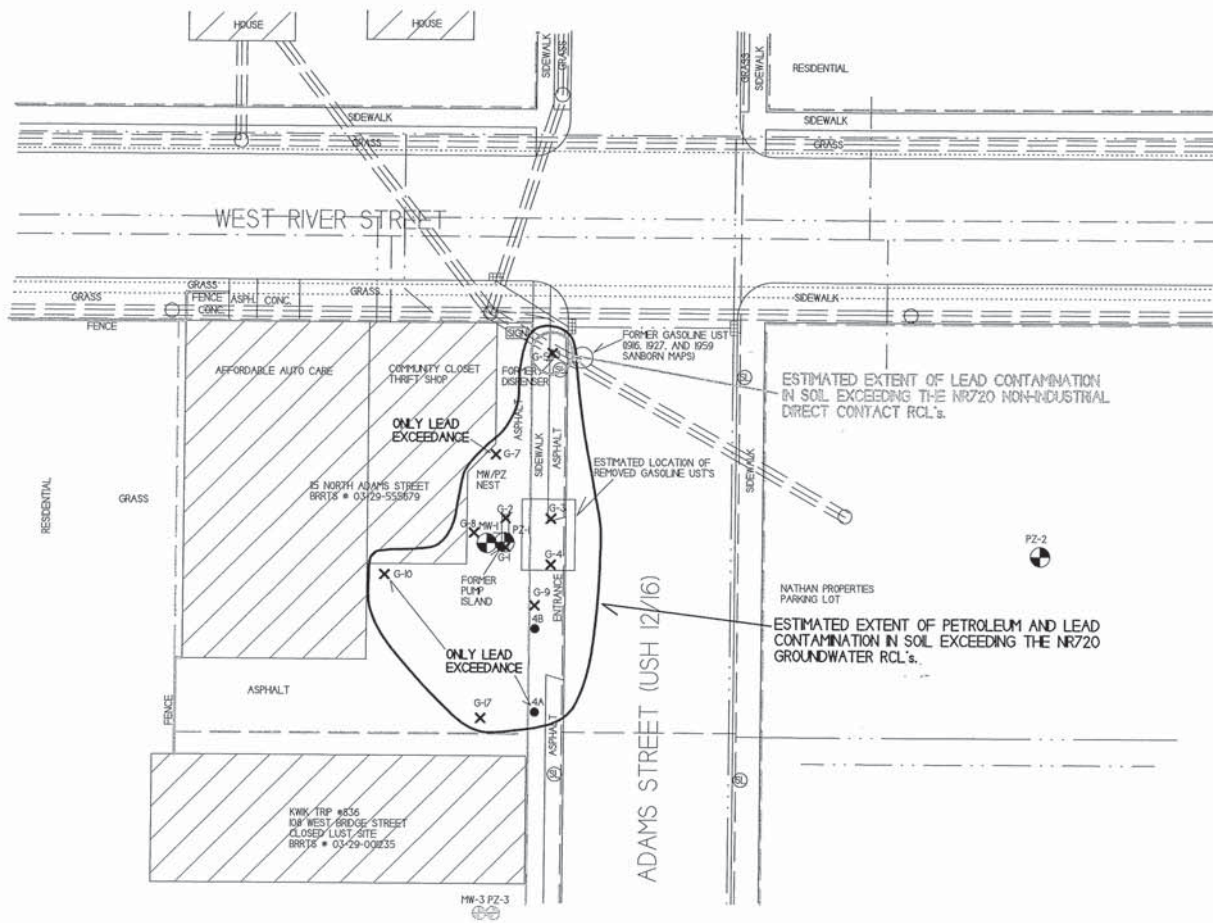
DEEP GROUNDWATER FLOW  
 -BASED ON ADJACENT CLOSED LUST SITE  
 KWK TRIP #836 (BRRTS# 03-29-00235)



- PZ-1
- PZ-2
- PZ-4

- MW-3
- PZ-6
- PZ-7

MW-1



<b>B.2.b. RESIDUAL SOIL CONTAMINATION</b> <b>AFFORDABLE AUTO CARE REPAIR SHOP</b>		
<b>NEW LISBON, WISCONSIN</b>		
	<small>700 Gillet Street, Suite 3          La Crosse, WI 54601          Tel: (608) 781-8879          Fax: (608) 781-8829</small>	<small>DRAWN BY: ED DATE: 5/15/2013          MODIFIED BY: FH DATE: 9/7/2016</small>

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



- - PZESA SOIL BORING LOCATION
- ✕ - GEOPROBE BORING LOCATION
- ⊕ - FORMER MONITORING WELL LOCATION - KWIK TRIP
- ⊗ - MONITORING/PEZOMETER WELL LOCATION

- PROPERTY BOUNDARY \_\_\_\_\_
- WATER LINE \_\_\_\_\_
- SANTARY SEWER LINE \_\_\_\_\_
- STORM SEWER LINE \_\_\_\_\_
- NATURAL GAS LINE \_\_\_\_\_
- BURIED ELECTRIC LINE \_\_\_\_\_
- BURIED TELEPHONE/CABLE LINE \_\_\_\_\_
- OVERHEAD ELECTRIC LINE \_\_\_\_\_

NOTE: SOIL BORING 4A AND GEOPROBE BORINGS G-7 AND G-10 ONLY SHOWED NR720 GROUNDWATER RCL EXCEEDANCES FOR LEAD.





May 8, 2017

Nathan Properties, LLC  
James Walker  
W8215 County Rd B  
New Lisbon WI 53950

Subject: Remaining Actions Needed  
Affordable Auto Care Repair Shop  
115 N Adams Street, New Lisbon Wisconsin  
DNR BRRTS Activity # 03-29-555679

Dear Mr. Walker:

On May 4, 2017, the West Central Regional Closure Committee reviewed your request for closure of the case described above. The West Central Regional Closure Committee reviews environmental remediation cases for compliance with state rules and statutes to maintain consistency in the closure of these cases. The following actions are needed to complete our review of your request. Upon completion of these actions, closure approval will be provided.

#### Remaining Actions Needed

##### Monitoring Well or Remedial System Piping Abandonment

The monitoring wells MW 1, PZ1 & PZ2 at the site must be properly abandoned in accordance with ch. NR 141, Wis. Adm. Code. Documentation of well abandonment for all wells must be submitted to me on Form 3300-005, found at <http://dnr.wi.gov/topic/groundwater/forms.html>.

##### Documentation

When the required actions have been completed, submit the appropriate documentation within 30 days of the date of this letter, to verify their completion. At that point, your closure request can be approved and your case can be closed.

Submit all changes to the original closure request in one final, complete compact disk. For the paper copy, only revisions or updates need to be submitted. The submittal of both an electronic and paper copy are required in accordance with s. NR 726.09 (1), Wis. Adm. Code.

##### GIS Registry

Your site will be listed on the DNR Remediation and Redevelopment Program's GIS Registry, to provide public notice of remaining contamination and continuing obligations. The continuing obligations will be specified in the final closure approval. Information that was submitted with your closure request application will be included on the Bureau for Remediation and Redevelopment Tracking System (BRRTS on the Web), at <http://dnr.wi.gov/topic/Brownfields/rasm.html>.

##### In Conclusion

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

If you have any questions regarding this letter, please contact me at 715-421-7862, or by email at [Dee.Lance@wisconsin.gov](mailto:Dee.Lance@wisconsin.gov).

Sincerely,



Dee Lance  
Hydrogeologist  
Remediation & Redevelopment Program

cc: Jason Powell, METCO

**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.		
03-29-555679			
Parcel ID No.			
292610549			
FID No.	WTM Coordinates		
701058270	X	506628	Y 378576
BRRTS Activity (Site) Name	WTM Coordinates Represent:		
Affordable Auto Care Repair Shop	<input checked="" type="checkbox"/> Source Area <input type="checkbox"/> Parcel Center		
Site Address	City	State	ZIP Code
115 N Adams Street	New Lisbon	WI	53950
Acres Ready For Use	0.27		

Responsible Party (RP) Name			
James Walker			
Company Name			
Nathan Properties, LLC			
Mailing Address	City	State	ZIP Code
W8215 County Rd B	New Lisbon	WI	53950
Phone Number	Email		
(608) 562-5329			

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**

- Send a copy of page one of this form and the applicable ch. NR 749, Wis. Adm. Code, fee(s) to the DNR Regional EPA (Environmental Program Associate) at <http://dnr.wi.gov/topic/Brownfields/Contact.html#tabx3>. Check all fees that apply:
 

<input checked="" type="checkbox"/> \$1,050 Closure Fee	<input checked="" type="checkbox"/> \$300 Database Fee for Soil
<input checked="" type="checkbox"/> \$350 Database Fee for Groundwater or Monitoring Wells (Not Abandoned)	Total Amount of Payment \$ <u>\$1,700.00</u>
	<input type="checkbox"/> Resubmittal, Fees Previously Paid
- Send one paper copy and one e-copy on compact disk of the entire closure package to the Regional Project Manager assigned to your site. Submit as *unbound, separate documents* in the order and with the titles prescribed by this form. For electronic document submittal requirements, see <http://dnr.wi.gov/files/PDF/pubs/rr/RR690.pdf>.

### Site Summary

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

#### 1. General Site Information and Site History

- A. Site Location: Describe the physical location of the site, both generally and specific to its immediate surroundings.  
The Affordable Auto Care Repair Shop site, 115 N Adams Street, is located at the SE 1/4, SW 1/4, Section 8, Township 16 North, Range 3 East, in the City of New Lisbon, Juneau County, WI. The subject property is bound by West River Street to the north, North Adams Street (STH 16/USH 12) to the east, a residence to the west, and a Kwik Trip gas station to the south.
- B. Prior and current site usage: Specifically describe the current and historic occupancy and types of use.  
According to Sanborn Fire Insurance maps, a blacksmith shop and wagon repair shop existed on the subject property in the late 1800's and early 1900's. By 1916 the property was used as an auto repair garage, which had a 120-gallon gasoline UST and dispenser near the intersection of Adams Street and River Street. The garage was later expanded in the late 1910's or early 1920's and became a Ford dealership and service garage. In the 1930's, the building was remodeled and set back further from Adams Street. Another UST system was added for gasoline sales and the Ford dealership and service garage continued to operate. It is not known when gasoline sales ceased at the subject property. The gasoline UST's (leaded and unleaded) were removed in approximately 1980, during a road construction project. Currently Community Closet Thrift Shop operates in the front of the building and Affordable Auto Repair operates in the back of the building.
- 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 Juneau County Web Portal, the Affordable Auto Care Repair Shop site property located at 115 N Adams Street is zoned G2 - Commercial. The neighboring Kwik Trip to the south also zoned G2 - Commercial. The residence to the west is zoned X4 - Other. The property to the east, across N Adams Street, is zoned G2 - Commercial and the two properties (102 & 108 West River Street) across West River Street are zoned G1- Residential.
- D. Describe how and when site contamination was discovered.  
On May 26, 2010, during a site assessment for the Wisconsin Department of Transportation, RMT, Inc. conducted two soil borings (4A and 4B) in the right of way adjacent to the Affordable Auto Care Repair Shop property. One soil sample was collected from each boring for GRO, DRO, VOC, and Lead analysis. Petroleum contamination was detected in the soil samples and subsequently reported to the WDNR, who then required that a site investigation be conducted.
- E. Describe the type(s) and source(s) or suspected source(s) of contamination.  
Petroleum contamination appears to have originated from the removed gasoline UST's, associated piping, and/or dispenser islands.
- 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.  
The only listing on BRRTS for the source property is the Open Affordable Auto Care Repair Shop LUST site (BRRTS# 03-29-555679).
- H. List BRRTS activity/site name(s) and number(s) for all properties immediately adjacent to (abutting) this source property.  
One BRRTS listing exists for the property directly adjacent to the south of the subject property. This listing is for the Closed Kwik Trip #836 LUST site (BRRTS# 03-29-001235). This site was granted closure, by the WDNR on September 2, 2011, with residual soil and groundwater contamination. Based on data from the WDNR GIS registry and the results of this investigation, it does not appear that the subject property is impacting or being impacted by the Kwik Trip #836 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.  
Unconsolidated materials in the area of the investigation generally consist of the following in downward stratigraphic order:  
  
From ground surface to 4 feet below ground surface (bgs) exists a tan to brown clay to clayey sand, except in Geoprobe borings G-5, G-6, G-9, G-12, G-14 through G-17, and soil boring PZ-2 where this stratigraphic unit was not present. In Geoprobe borings G-1, G-2, G-4, G-10, and G-18 and soil boring PZ-1 fill material consisting of a fine to coarse grained sand with gravel was encountered from ground surface to depths ranging from 1 to 10 feet bgs.  
  
At depths ranging from ground surface to 4 feet bgs and continued to bedrock (6-10 feet bgs) exists a white to tan to orange to pink to tan to brown to black very fine to coarse grained sand.

- ii. Describe the composition, location and lateral extent, and depth of fill or waste deposits on the site.  
In Geoprobe borings G-1, G-2, G-4, G-10, and G-18 and soil boring PZ-1 fill material consisting of a fine to coarse grained sand with gravel was encountered from ground surface to depths ranging from 1 to 10 feet bgs.
- iii. Describe the depth to bedrock, bedrock type, competency and whether or not it was encountered during the investigation.  
Bedrock consisting of a light gray to light tan very fine to medium grained sandstone was encountered at depths ranging from 6 to 10 feet bgs and extending to at least 45 feet bgs.
- iv. Describe the nature and locations of current surface cover(s) across the site (e.g., natural vegetation, landscaped areas, gravel, hard surfaces, and buildings).  
The subject property is covered by the on-site building in the northwest corner of the property with asphalt extending from the building to the property boundaries to the east and south. Please see the attached Detailed Site Map for current ground surface covers.

#### B. Groundwater

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

According to data collected from the monitoring wells, the depth to groundwater ranges from 7.82 to 10.50 feet bgs [882.23 to 879.55 feet mean sea level (msl)] depending on well location and time of year. Piezometric pressure head elevations ranged from 878.20 to 877.13 feet msl depending on well location, screen elevation, and time of year. The stratigraphic units where the water table is found consists of very fine to coarse grained sand and a light gray to light tan very fine to medium grained sandstone. Free product has never been encountered at the site.

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

Based on the GIS Registry for the adjacent closed Kwik Trip #836 LUST site (BRRTS# 03-29-001235), local shallow horizontal groundwater flow in the immediate area of the subject property is generally toward the southwest to southeast and local deep horizontal groundwater flow is generally towards the east. The shallow groundwater horizontal gradient to the adjacent closed LUST site ranged from 3.33E-2 to 6.00E-2 with an average of 4.77E-2 and the piezometric horizontal flow ranged from 2.63E-3 to 4.76E-3 with an average of 3.51E-3.

The well nest of monitoring well MW-1 and piezometer PZ-1 show a local groundwater vertical gradient ranging from 0.116 to 0.245 with an average of 0.204 in the downward direction.

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

On December 9, 2014, METCO conducted slug tests on monitoring well MW-1 and piezometers PZ-1 and PZ-2. 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) = 2.72E-3 cm/sec

Transmissivity = 2.63E-1 cm<sup>2</sup>/sec

Flow Velocity (V=KI/n) = 136.59 m/yr

##### Piezometer PZ-1

Hydraulic Conductivity (K) = 4.94E-3 cm/sec

Transmissivity = 3.01 cm<sup>2</sup>/sec

Flow Velocity (V=KI/n) = 18.22 m/yr

##### Piezometer PZ-2

Hydraulic Conductivity (K) = 3.38E-3 cm/sec

Transmissivity = 3.33 cm<sup>2</sup>/sec

Flow Velocity (V=KI/n) = 12.48 m/yr

Since the thickness of the unconfined aquifer was unknown, the bottoms of monitoring well MW-1 and piezometers PZ-1 and PZ-2 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 City of New Lisbon municipal water supply. The City of New Lisbon has two municipal wells, the nearest (Well #3) being approximately 3,000 feet to the northwest of the subject property. Several private wells exist in the City of New Lisbon, however they are not used for potable water.

### 3. Site Investigation Summary

#### A. General

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

On May 26, 2010, as part of a Wisconsin Department of Transportation site assessment, two soil borings were completed with two soil samples collected for laboratory analysis (DRO, GRO, VOC, and Lead). [Notification for Hazardous Substance Discharge - July 29, 2010]

On September 16, 2013, METCO supervised the completion of nineteen Geoprobe borings. Nineteen Geoprobe borings (G-1 thru G-19) were completed to depths ranging from 6-10 feet bgs with forty-two soil samples collected for field description and/or laboratory analysis (PID, GRO, VOC's, PVOC's, Naphthalene, and/or Lead). Fourteen groundwater samples were collected from Geoprobe borings G-1 through G-6, G-8 through G-12, G-16, G-17, and G-19 for laboratory analysis (PVOC's and Naphthalene). [Site Investigation Report - Submitted Concurrently with Case Closure Request]

On November 3, 2014, METCO supervised the completion of three soil borings (MW-1, PZ-1, and PZ-2) which were converted into monitoring/piezometer wells. Sixteen soil samples were collected for field and/or laboratory analysis (PID, TCLP Benzene, and/or TCLP Lead). Monitoring well MW-1 and piezometers PZ-1 and PZ-2 were properly developed by METCO after installation. [Site Investigation Report - Submitted Concurrently with Case Closure Request]

On December 9, 2014, METCO personnel collected groundwater samples from one monitoring well (MW-1) and two piezometers (PZ-1 and PZ-2) for laboratory analysis (VOC's, Dissolved Lead, Dissolved Iron, Dissolved Manganese, Nitrate/Nitrite, and Sulfate) [Round 1]. Field measurements for water level, temperature, pH, ORP, Dissolved Oxygen, and specific conductance were collected from all sampled wells. METCO personnel also conducted slug tests on the sampled monitoring well and piezometers and performed a vapor assessment on the on-site structure. The monitoring well network was also surveyed at this time. [Site Investigation Report - Submitted Concurrently with Case Closure Request]

On August 10, 2015, METCO personnel collected groundwater samples from one monitoring well (MW-1) and two piezometers (PZ-1 and PZ-2) for laboratory analysis (PVOC's, Naphthalene, and Dissolved Lead) [Round 2]. Field measurements for water level, temperature, pH, ORP, Dissolved Oxygen, and specific conductance were collected from all sampled wells. [Site Investigation Report - Submitted Concurrently with Case Closure Request]

On November 12, 2015, METCO personnel collected groundwater samples from one monitoring well (MW-1) and two piezometers (PZ-1 and PZ-2) for laboratory analysis (PVOC's, Naphthalene, and Dissolved Lead) [Round 3]. Field measurements for water level, temperature, pH, ORP, Dissolved Oxygen, and specific conductance were collected from all sampled wells. [Site Investigation Report - Submitted Concurrently with Case Closure Request]

On February 15, 2016, METCO personnel collected groundwater samples from one monitoring well (MW-1) and two piezometers (PZ-1 and PZ-2) for laboratory analysis (PVOC's, Naphthalene, and Dissolved Lead) [Round 4]. Field measurements for water level, temperature, pH, ORP, Dissolved Oxygen, and specific conductance were collected from all sampled wells. [Site Investigation Report - Submitted Concurrently with Case Closure Request]

- ii. Identify whether contamination extends beyond the source property boundary, and if so describe the media affected (e.g., soil, groundwater, vapors and/or sediment, etc.), and the vertical and horizontal extent of impacts.

Soil contamination exceeding the NR720 Groundwater RCL's extends beyond the property boundary in to the right-of way of N Adams Street (STH 16/USH 12). This contamination extends up to 19 feet into the right-of-way, measures approximately 112 feet wide at the property boundary, and is up to 8.5 feet thick.

Soil contamination exceeding the NR720 Non-Industrial Direct Contact RCL's is present in Geoprobe boring G-5, located in the right-of way of N Adams Street (STH 16/USH 12), for lead only. This area measures approximately 12 feet in diameter and up to 4 feet thick.

A dissolved phase contaminant plume exceeding the NR140 ES has formed at the watertable and has migrated toward the east into the right-of-way of N Adams Street. This plume extends up to 36 feet long into the right-of-way and measures approximately 34 feet wide at the property boundary.

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

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



## B. Soil

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

An area of unsaturated soil contamination, which exceeds the NR720 Groundwater RCL values, exists in the area of the removed UST and dispenser islands. This irregularly shaped area appears to measure up to 115 feet long, 65 feet wide, and up to 8.5 feet thick.

Soil contamination exceeding the NR720 Non-Industrial Direct Contact RCL's is present in Geoprobe boring G-5 for lead only. This area measures approximately 12 feet in diameter and up to 4 feet thick.

One underground utility line (Buried Electrical) exists in the area of soil contamination. This utility line is likely buried less than 3 feet bgs and back filled with native soils. Based on the results of Geoprobe borings G-3, G-4, and G-5, petroleum impacted soils do not appear to be present in the top four feet of the soil column in the area of this buried utility line.

Based on the soil analytical results for Geoprobe borings G-7, G-8, and G-10 it appears that petroleum impacted soils are present at depth greater than 4 feet bgs along the eastern side of the on-site building.

- ii. Describe the concentration(s) and types of soil contaminants found in the upper four feet of the soil column. Soil samples collected within the upper four feet of the soil column exceeding the NR720 RCL's include:

4B: Lead (120 ppm) and Trimethylbenzenes (1.83 ppm) at 2-4 feet bgs

G-5-1: Lead (410 ppm) at 3.5 feet bgs

G-7-1: Lead (55 ppm) at 3.5 feet bgs

G-9-1: Lead (82 ppm) at 3.5 feet bgs

G-10-1: Lead (160 ppm) at 3.5 feet bgs

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

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

## C. Groundwater

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

A dissolved phase contaminant plume exceeding the NR140 ES and PAL has formed at the watertable in the area of the removed UST systems and has migrated toward the east. This plume is at least 100 feet long and 50 feet wide.

There are no known potable water supply wells within 1200 feet of the groundwater contaminant plume. The groundwater contamination plume does not intercept any building foundation drain systems.

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

Free product has never been encountered at this site. The smear zone at this site ranges from 7.82 to 10.50 feet bgs in the area of monitoring well MW-1 depending on time of year.

## 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.

The soil contamination exceeding the NR720 Groundwater RCL's and groundwater contamination exceeding the NR140 ES and PAL appears to extend underneath a corner of the on-site building. However, vapor intrusion does not appear to be a risk at this time for the following reasons: 1) Free product has not been encountered in any monitoring wells. 2) Based on the soil analytical results for Geoprobe borings G-7, G-8, G-10, G-16, and G-19 it appears that petroleum impacted soils are present at depth greater than 4 feet bgs at this site. 3) Benzene concentrations in groundwater are less than 1,000 ppb based on the results of monitoring well MW-1. 4) A vapor intrusion screening conducted by METCO personnel showed no elevated PID readings within the on-site structure.

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

No indoor/sub slab vapor samples were collected.

- E. Surface Water and Sediment
- 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 New Lisbon Lake, a reservoir formed by the damming of the Lemonweir River, which exists approximately 400 feet to the northeast of the subject property. No surface water or sediment samples were collected since it does not appear that the extent of petroleum contamination has migrated to any surface waters.
  - Identify any surface water and/or sediment action levels used to assess the impacts for this pathway and how these were derived. Describe where the DNR action levels were reached or exceeded.  
No surface water or sediment samples were collected.

**4. Remedial Actions Implemented and Residual Levels at Closure**

- A. General: Provide a brief summary of the remedial action history. List previous remedial action report submittals by name and date. Identify remedial actions undertaken since the last submittal for this project and provide the appropriate documentation in Attachment C.  
No remedial actions were conducted.
- B. Describe any immediate or interim actions taken at the site under ch NR 708, Wis. Adm. Code.  
No immediate or interim actions occurred at this site.
- C. Describe the *active* remedial actions taken at the source property, including: type of remedial system(s) used for each media affected; the size and location of any excavation or in-situ treatment; the effectiveness of the systems to address the contaminated media and substances; operational history of the systems; and summarize the performance of the active remedial actions. Provide any system performance documentation in Attachment A.7.  
No remedial actions were conducted.
- D. Describe the alternatives considered during the Green and Sustainable Remediation evaluation in accordance with NR 722.09 and any practices implemented as a result of the evaluation.  
No evaluation of Green and Sustainable Remediation was conducted.
- E. Describe the nature, degree and extent of residual contamination that will remain at the source property or on other affected properties after case closure.  
An area of unsaturated soil contamination, which exceeds the NR720 Groundwater RCL values, exists in the area of the removed UST and dispenser islands. This irregularly shaped area appears to measure up to 115 feet long, 65 feet wide, and up to 8.5 feet thick. The soil contamination extends beyond the property boundary in to the right-of way of N Adams Street (STH 16/USH 12). This contamination extends up to 19 feet into the right-of-way, measures approximately 112 feet wide at the property boundary, and is up to 8.5 feet thick.  
  
Soil contamination exceeding the NR720 Non-Industrial Direct Contact RCL's is present in Geoprobe boring G-5, located in the right-of way of N Adams Street (STH 16/USH 12), for lead only. This area measures approximately 12 feet in diameter 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 removed UST systems and has migrated toward the east. This plume is at least 100 feet long and 50 feet wide. The dissolved phase contaminant plume exceeding the NR140 ES has migrated into the right-of-way of N Adams Street. This plume extends up to 36 feet long into the right-of-way and measures approximately 34 feet wide at the property boundary.
- F. Describe the residual soil contamination within four feet of ground surface (direct contact zone) that attains or exceeds RCLs established under s. NR 720.12, Wis. Adm. Code, for protection of human health from direct contact.  
Soil contamination exceeding the NR720 Non-Industrial Direct Contact RCL's is present in Geoprobe boring G-5 for lead only. This area measures approximately 12 feet in diameter and up to 4 feet thick.
- G. Describe the residual soil contamination that is above the observed low water table that attains or exceeds the soil standard(s) for the groundwater pathway.  
Soil samples exceeding the NR720 Groundwater RCL's include:  
4A: Lead at 4-6 feet bgs.  
4B: Lead, 1,2,4-Trimethylbenzene, and 1,3,5-Trimethylbenzene at 2-4 feet bgs.  
G-1-2: Ethylbenzene, 1,2,4-Trimethylbenzene, and 1,3,5-Trimethylbenzene at 8.0 feet bgs.  
G-2-2: Benzene, Ethylbenzene, Naphthalene, Toluene, 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, and Xylene at 8.0 feet bgs.  
G-3-2: Ethylbenzene, Naphthalene, Toluene, 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, and Xylene at 8.0 feet bgs.  
G-4-2: Benzene, Ethylbenzene, Naphthalene, Toluene, 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, and Xylene at 8.0 feet bgs.  
G-5-1: Lead at 3.5 feet bgs.

G-5-2: Naphthalene, 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, and Xylene at 8.0 feet bgs.

G-7-1: Lead at 3.5 feet bgs.

G-8-2: Benzene, Ethylbenzene, Naphthalene, Toluene, 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, and Xylene at 7.0 feet bgs.

G-9-1: Lead at 3.5 feet bgs.

G-9-2: Benzene, 1,2,4-Trimethylbenzene, and 1,3,5-Trimethylbenzene at 8.0 feet bgs.

G-10-1: Lead at 3.5 feet bgs.

G-17-2: Naphthalene, 1,2,4-Trimethylbenzene, and 1,3,5-Trimethylbenzene at 7.5 feet bgs.

- H. Describe how the residual contamination will be addressed, including but not limited to details concerning: covers, engineering controls or other barrier features; use of natural attenuation of groundwater; and vapor mitigation systems or measures.
- Any remaining exposure pathways will be addressed via a Cap Maintenance Plan and 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). Groundwater contaminant levels appear to be stable to decreasing. Based on this, natural attention appears to be an effective method in reducing contaminant mass and concentration.
- J. Identify how all exposure pathways (soil, groundwater, vapor) were removed and/or adequately addressed by immediate, interim and/or remedial action(s).
- Any remaining exposure pathways will be addressed via a Cap Maintenance Plan and natural attenuation.
- K. Identify any system hardware anticipated to be left in place after site closure, and explain the reasons why it will remain.
- No system hardware 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.
- Based on the most recent groundwater analytical results, monitoring well MW-1 shows NR140 ES exceedances for Benzene (470 ppb) and Toluene (1,970 ppb). The contaminant concentrations of Ethylbenzene (199 ppb), Naphthalene (42 ppb), Trimethylbenzenes (165 ppb), and Xylene (937 ppb) currently exceed the NR140 PAL.
- The other two site wells (PZ-1 and PZ-2) currently show no detects/NR140 exceedances for PVOCs or Naphthalene.
- 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 indoor/sub slab vapor samples were collected.
- N. Describe the surface water and/or sediment contaminant concentrations and areas after remediation. If a DNR action level was exceeded, describe where it was exceeded and how the pathway was addressed.
- No surface water or sediment samples were collected.

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

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

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

This situation applies to the following property or Right of Way (ROW):			Case Closure Situation - Continuing Obligation Inclusion on the GIS Registry is Required (ii. - xiv.)	Maintenance Plan Required	
Property Type:					
Source Property	Affected Property (Off-Source)	ROW			
i.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	None of the following situations apply to this case closure request.	NA
ii.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Residual groundwater contamination exceeds ch. NR 140 ESs.	NA
iii.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Residual soil contamination exceeds ch. NR 720 RCLs.	NA
iv.				Monitoring Wells Remain:	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	• Not Abandoned (filled and sealed)	NA
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	• Continued Monitoring (requested or required)	Yes
v.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cover/Barrier/Engineered Cover or Control for (soil) direct contact pathways (includes vapor barriers)	Yes
vi.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cover/Barrier/Engineered Cover or Control for (soil) groundwater infiltration pathway	Yes
vii.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Structural Impediment: impedes completion of investigation or remedial action (not as a performance standard cover)	NA
viii.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Residual soil contamination meets NR 720 industrial soil RCLs, land use is classified as industrial	NA
ix.	<input type="checkbox"/>	<input type="checkbox"/>	NA	Vapor Mitigation System (VMS) required due to exceedances of vapor risk screening levels or other health based concern	Yes
x.	<input type="checkbox"/>	<input type="checkbox"/>	NA	Vapor: Dewatering System needed for VMS to work effectively	Yes
xi.	<input type="checkbox"/>	<input type="checkbox"/>	NA	Vapor: Compounds of Concern in use: full vapor assessment could not be completed	NA
xii.	<input type="checkbox"/>	<input type="checkbox"/>	NA	Vapor: Commercial/industrial exposure assumptions used.	NA
xiii.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vapor: Residual volatile contamination poses future risk of vapor intrusion	NA
xiv.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Site-specific situation: (e. g., fencing, methane monitoring, other) (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](http://dnrmaps.wi.gov/sl?Viewer=RR%20Sites)) attach a map depicting the source property, and all open and closed BRRTS sites within a half-mile radius or less of the property.

**B.2. Soil Figures**

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

**B.3. Groundwater Figures**

- B.3.a. Geologic Cross-Section Figure(s):** One or more cross-section diagrams showing soil types and correlations across the site, water table and piezometric elevations, and locations and elevations of geologic rock units, if encountered. Display on one or more figures all of the following:
- Source location(s) and vertical extent of residual soil contamination exceeding an RCL. Distinguish between direct contact and the groundwater pathway RCLs.
  - Source location(s) and lateral and vertical extent if groundwater contamination exceeds ch. NR 140 ES.
  - Surface features, including buildings and basements, and show surface elevation changes.
  - Any areas of active remediation within the cross section path, such as excavations or treatment zones.
  - Include a map displaying the cross-section location(s), if they are not displayed on the Detailed Site Map (Map B.1.b.)
- B.3.b. Groundwater Isoconcentration:** Figure(s) showing the horizontal extent of the post-remedial groundwater contamination exceeding a ch. NR 140, Wis. Adm. Code, PAL and/or an ES. Indicate the date and direction of groundwater flow based on the most recent sampling data.
- B.3.c. Groundwater Flow Direction:** Figure(s) representing groundwater movement at the site. If the flow direction varies by more than 20° over the history of the site, submit two groundwater flow maps showing the maximum variation in flow direction.
- B.3.d. Monitoring Wells:** Figure(s) showing all monitoring wells, with well identification number. Clearly designate any wells that: (1) are proposed to be abandoned; (2) cannot be located; (3) are being transferred; (4) will be retained for further sampling, or (5) have been abandoned.

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

- B.4.a. Vapor Intrusion Map:** Map(s) showing all locations and results for samples taken to investigate the vapor intrusion pathway in relation to residual soil and groundwater contamination, including sub-slab, indoor air, soil vapor, soil gas, ambient air, and communication testing. Show locations and footprints of affected structures and utility corridors, and/or where residual contamination poses a future risk of vapor intrusion.
- B.4.b. Other media of concern (e.g., sediment or surface water):** Map(s) showing all sampling locations and results for other media investigation. Include the date of sample collection and identify where any standards are exceeded.
- B.4.c. Other:** Include any other relevant maps and figures not otherwise noted above. (This section may remain blank).
- B.5. Structural Impediment Photos:** One or more photographs documenting the structural impediment feature(s) which precluded a complete site investigation or remediation at the time of the closure request. The photographs should document the area that could not be investigated or remediated due to a structural impediment. The structural impediment should be indicated on Figures B.2.a and B.2.b.

**Documentation of Remedial Action (Attachment C)****Directions for Documentation of Remedial Action:**

- Include in Attachment C all of the following documentation, in the order prescribed below, with the specific Closure Form titles noted on the separate attachments (e.g., Title: C.1. Site Investigation Documentation; C.2. Investigative Waste, etc.).
- If the documentation requested below has already been submitted to the DNR, please note the title and date of the report for that particular document requested.
  - C.1. **Site investigation documentation**, that has not otherwise been submitted with the Site Investigation Report.
  - C.2. **Investigative waste** disposal documentation.
  - C.3. Provide a **description of the methodology** used along with all supporting documentation if the RCLs are different than those contained in the Department's RCL Spreadsheet available at: <http://dnr.wi.gov/topic/Brownfields/Professionals.html>.
  - C.4. **Construction documentation** or as-built report for any constructed remedial action or portion of, or interim action specified in s. NR 724.02(1), Wis. Adm. Code.
  - C.5. **Decommissioning of Remedial Systems.** Include plans to properly abandon any systems or equipment.
  - C.6. **Other.** Include any other relevant documentation not otherwise noted above (This section may remain blank).

**Maintenance Plan(s) and Photographs (Attachment D)****Directions for Maintenance Plans and Photographs:**

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

- D.1. Descriptions of maintenance action(s) required for maximizing effectiveness of the engineered control, vapor mitigation system, feature or other action for which maintenance is required:**
- Provide brief descriptions of the type, depth and location of residual contamination.

- Provide a description of the system/cover/barrier/monitoring well(s) to be maintained.
  - Provide a description of the maintenance actions required for maximizing effectiveness of the engineered control, vapor mitigation system, feature or other action for which maintenance is required.
  - Provide contact information, including the name, address and phone number of the individual or facility who will be conducting the maintenance.
- D.2. **Location map(s) which show(s):** (1) the feature that requires maintenance; (2) the location of the feature(s) that require(s) maintenance - on and off the source property; (3) the extent of the structure or feature(s) to be maintained, in relation to other structures or features on the site; (4) the extent and type of residual contamination; and (5) all property boundaries.
- D.3. **Photographs** for site or facilities with a cover or other performance standard, a structural impediment or a vapor mitigation system, include one or more photographs documenting the condition and extent of the feature at the time of the closure request. Pertinent features shall be visible and discernible. Photographs shall be submitted with a title related to the site name and location, and the date on which it was taken.
- D.4. **Inspection log**, to be maintained on site, or at a location specified in the maintenance plan or approval letter. The inspection and maintenance log is found at: <http://dnr.wi.gov/files/PDF/forms/4400/4400-305.pdf>.

### Monitoring Well Information (Attachment E)

#### Directions for Monitoring Well Information:

For all wells that will remain in use, be transferred to another party, or that could not be located; attach monitoring well construction and development forms (DNR Form 4400-113 A and B: [http://dnr.wi.gov/topic/groundwater/documents/forms/4400\\_113\\_1\\_2.pdf](http://dnr.wi.gov/topic/groundwater/documents/forms/4400_113_1_2.pdf))

#### Select One:

- No monitoring wells were installed as part of this response action.
- All monitoring wells have been located and will be properly abandoned upon the DNR granting conditional closure to the site
- Select One or More:**
- Not all monitoring wells can be located, despite good faith efforts. Attachment E must include a description of efforts made to locate the wells.
- One or more wells will remain in use at the site after this closure. Attachment E must include documentation as to the reason (s) the well(s) will remain in use. When one or more monitoring wells will remain in use this is considered a continuing obligation and a maintenance plan will be required and must be included in Attachment D.
- One or more monitoring wells will be transferred to another owner upon case closure being granted. Attachment E should include documentation identifying the name, address and email for the new owner(s). Provide documentation from the party accepting future responsibility for monitoring well(s).

### Source Legal Documents (Attachment F)

#### Directions for Source Legal Documents:

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

- F.1. **Deed:** The most recent deed with legal description clearly listed.
- Note: If a property has been purchased with a land contract and the purchaser has not yet received a deed, a copy of the land contract which includes the legal description shall be submitted instead of the most recent deed. If the property has been inherited, written documentation of the property transfer should be submitted along with the most recent deed.*
- F.2. **Certified Survey Map:** A copy of the certified survey map or the relevant section of the recorded plat map for those properties where the legal description in the most recent deed refers to a certified survey map or a recorded plat map. In cases where the certified survey map or recorded plat map are not legible or are unavailable, a copy of a parcel map from a county land information office may be substituted. A copy of a parcel map from a county land information office shall be legible, and the parcels identified in the legal description shall be clearly identified and labeled with the applicable parcel identification number.
- F.3. **Verification of Zoning:** Documentation (e.g., official zoning map or letter from municipality) of the property's or properties' current zoning status.
- F.4. **Signed Statement:** A statement signed by the Responsible Party (RP), which states that he or she believes that the attached legal description(s) accurately describe(s) the correct contaminated property or properties. This section applies to the source property only. Signed statements for Other Affected Properties should be included in Attachment G.

**Notifications to Owners of Affected Properties (Attachment G)**

**Directions for Notifications to Owners of Affected Properties:**

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

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

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

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

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





**Signatures and Findings for Closure Determination**

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

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

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

**Engineering Certification**

I \_\_\_\_\_ hereby certify that I am a registered professional engineer in the State of Wisconsin, registered in accordance with the requirements of ch. A-E 4, Wis. Adm. Code; that this case closure request has been prepared by me or prepared under my supervision in accordance with the Rules of Professional Conduct in ch. A-E 8, Wis. Adm. Code; and that, to the best of my knowledge, all information contained in this case closure request is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code. Specifically, with respect to compliance with the rules, in my professional opinion a site investigation has been conducted in accordance with ch. NR 716, Wis. Adm. Code, and all necessary remedial actions have been completed in accordance with chs. NR 140, NR 718, NR 720, NR 722, NR 724 and NR 726, Wis. Adm. Codes."


\_\_\_\_\_  
Printed Name Title

\_\_\_\_\_  
Signature Date P.E. Stamp and Number

**Hydrogeologist Certification**

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

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

 2/16/17  
Signature Date

## **Attachment A/Data Tables**

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

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

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

A.4 Vapor Analytical Table – No vapor samples were assessed as part of the site investigation.

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

**A.6 Water Level Elevations**

**A.7 Other**

A.1 Groundwater Analytical Table  
Affordable Auto Care Repair Shop BRRTS# 03-29-555679

Well MW-1

PVC Elevation = 889.38 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
12/09/14	879.55	9.83	8.7	3800	1270	<23	<170	13700	927	5630
08/10/15	881.33	8.05	3.3	360	103	<49	<260	840	101-184	593
11/12/15	881.95	7.43	1.4	283	113	<24.5	<130	990	104-145.5	565
02/15/16	882.23	7.15	2.2	470	199	<4.9	42	1970	165	937
<b>ENFORCEMENT STANDARD ES = Bold</b>			15	5	700	60	100	800	480	2000
<b>PREVENTIVE ACTION LIMIT PAL = Italics</b>			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 PZ-1

PVC Elevation = 889.52 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
12/09/14	877.47	12.05	8.6	1.27	7.7	<0.23	2.67	2.51	176	56.8
08/10/15	877.26	12.26	<0.7	2.4	1.99	<0.49	<2.6	2.39	11.6	3.22
11/12/15	877.41	12.11	<0.7	1.26	1.03	<0.49	<2.6	1.16	6.02	3.04
02/15/16	878.02	11.50	<0.7	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
<b>ENFORCEMENT STANDARD ES = Bold</b>			15	5	700	60	100	800	480	2000
<b>PREVENTIVE ACTION LIMIT PAL = Italics</b>			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 PZ-2

PVC Elevation = 889.70 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
12/09/14	877.13	12.57	39.7	<0.24	<0.55	<0.23	<1.7	<0.69	<3.6	<1.32
08/10/15	876.93	12.77	<0.7	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
11/12/15	877.08	12.62	<0.7	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
02/15/16	877.68	12.02	<0.7	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
<b>ENFORCEMENT STANDARD ES = Bold</b>			15	5	700	60	100	800	480	2000
<b>PREVENTIVE ACTION LIMIT PAL = Italics</b>			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  
Affordable Auto Care Repair Shop BRRTS# 03-29-555679

Well Sampling Conducted on: 12/09/14 12/09/14 12/09/14

VOC's	MW-1	PZ-1	PZ-2	ENFORCE MENT STANDARD = ES – Bold	PREVENTIVE ACTION LIMIT = PAL - Italics
Well Name					
Lead, dissolved/ppb	8.7	8.6	39.7	<b>15</b>	<i>1.5</i>
Benzene/ppb	3800	1.27	< 0.24	<b>5</b>	<i>0.5</i>
Bromobenzene/ppb	< 32	< 0.32	< 0.32	==	==
Bromodichloromethane/ppb	< 37	< 0.37	< 0.37	<b>0.6</b>	<i>0.06</i>
Bromoform/ppb	< 35	< 0.35	< 0.35	<b>4.4</b>	<i>0.44</i>
tert-Butylbenzene/ppb	< 36	< 0.36	< 0.36	==	==
sec-Butylbenzene/ppb	< 33	4.6	< 0.33	==	==
n-Butylbenzene/ppb	< 35	21.6	< 0.35	==	==
Carbon Tetrachloride/ppb	< 33	< 0.33	< 0.33	<b>5</b>	<i>0.5</i>
Chlorobenzene/ppb	< 24	< 0.24	< 0.24	==	==
Chloroethane/ppb	< 63	< 0.63	< 0.63	<b>400</b>	<i>80</i>
Chloroform/ppb	< 28	< 0.28	< 0.28	<b>6</b>	<i>0.6</i>
Chloromethane/ppb	< 81	< 0.81	< 0.81	<b>30</b>	<i>3</i>
2-Chlorotoluene/ppb	< 21	< 0.21	< 0.21	==	==
4-Chlorotoluene/ppb	< 21	< 0.21	< 0.21	==	==
1,2-Dibromo-3-chloropropane/ppb	< 88	< 0.88	< 0.88	<b>0.2</b>	<i>0.02</i>
Dibromochloromethane/ppb	< 22	< 0.22	< 0.22	<b>60</b>	<i>6</i>
1,4-Dichlorobenzene/ppb	< 30	< 0.3	< 0.3	<b>75</b>	<i>15</i>
1,3-Dichlorobenzene/ppb	< 28	< 0.28	< 0.28	<b>600</b>	<i>120</i>
1,2-Dichlorobenzene/ppb	< 36	< 0.36	< 0.36	<b>600</b>	<i>60</i>
Dichlorodifluoromethane/ppb	< 44	< 0.44	< 0.44	<b>1000</b>	<i>200</i>
1,2-Dichloroethane/ppb	< 41	< 0.41	< 0.41	<b>5</b>	<i>0.5</i>
1,1-Dichloroethane/ppb	< 30	< 0.3	< 0.3	<b>850</b>	<i>85</i>
1,1-Dichloroethene/ppb	< 40	< 0.4	< 0.4	<b>7</b>	<i>0.7</i>
cis-1,2-Dichloroethene/ppb	< 38	< 0.38	< 0.38	<b>70</b>	<i>7</i>
trans-1,2-Dichloroethene/ppb	< 35	< 0.35	< 0.35	<b>100</b>	<i>20</i>
1,2-Dichloropropane/ppb	< 32	< 0.32	< 0.32	<b>5</b>	<i>0.5</i>
2,2-Dichloropropane/ppb	< 36	< 0.36	< 0.36	==	==
1,3-Dichloropropane/ppb	< 33	< 0.33	< 0.33	==	==
Di-isopropyl ether/ppb	< 23	< 0.23	< 0.23	==	==
EDB (1,2-Dibromoethane)/ppb	< 44	< 0.44	< 0.44	<b>0.05</b>	<i>0.005</i>
Ethylbenzene/ppb	1270	7.7	< 0.55	<b>700</b>	<i>140</i>
Hexachlorobutadiene/ppb	< 150	< 1.5	< 1.5	==	==
Isopropylbenzene/ppb	36 "J"	3.3	< 0.3	==	==
p-Isopropyltoluene/ppb	< 31	2.19	< 0.31	==	==
Methylene chloride/ppb	< 50	< 0.5	< 0.5	<b>5</b>	<i>0.5</i>
Methyl tert-butyl ether (MTBE)/ppb	< 23	< 0.23	< 0.23	<b>60</b>	<i>12</i>
Naphthalene/ppb	< 170	2.67 "J"	< 1.7	<b>100</b>	<i>10</i>
n-Propylbenzene/ppb	82	13.7	< 0.25	==	==
1,1,2,2-Tetrachloroethane/ppb	< 45	< 0.45	< 0.45	<b>0.2</b>	<i>0.02</i>
1,1,1,2-Tetrachloroethane/ppb	< 33	< 0.33	< 0.33	<b>70</b>	<i>7</i>
Tetrachloroethene (PCE)/ppb	< 33	< 0.33	< 0.33	<b>5</b>	<i>0.5</i>
Toluene/ppb	13700	2.51	< 0.69	<b>800</b>	<i>160</i>
1,2,4-Trichlorobenzene/ppb	< 98	< 0.98	< 0.98	<b>70</b>	<i>14</i>
1,2,3-Trichlorobenzene/ppb	< 180	< 1.8	< 1.8	==	==
1,1,1-Trichloroethane/ppb	< 33	< 0.33	< 0.33	<b>200</b>	<i>40</i>
1,1,2-Trichloroethane/ppb	< 34	< 0.34	< 0.34	<b>5</b>	<i>0.5</i>
Trichloroethene (TCE)/ppb	< 33	< 0.33	< 0.33	<b>5</b>	<i>0.5</i>
Trichlorofluoromethane/ppb	< 71	< 0.71	< 0.71	==	==
1,2,4-Trimethylbenzene/ppb	710	84	< 2.2		
1,3,5-Trimethylbenzene/ppb	217 "J"	32	< 1.4	<b>Total TMB's 480</b>	<i>Total TMB's 96</i>
Vinyl Chloride/ppb	< 18	< 0.18	< 0.18	<b>0.2</b>	<i>0.02</i>
m&p-Xylene/ppb	4000	44	< 0.69		
o-Xylene/ppb	1630	12.8	< 0.63	<b>Total Xylenes 2000</b>	<i>Total Xylenes 400</i>

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  
 (Geoprobe)  
 Affordable Auto Care Repair Shop BRRTS# 03-29-555679

Sample ID	Date	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
G-1-W	09/16/13	72	199	<18.5	102	570	419	880
G-2-W	09/16/13	185	1620	<18.5	296	2760	3490	8290
G-3-W	09/16/13	<13.5	137	<18.5	120	105	1164	632
G-4-W	09/16/13	6.6	44	<3.7	40	20.8	124	141
G-5-W	09/16/13	<0.27	<0.82	<0.37	<1.2	<0.8	<1.69	<2.41
G-6-W	09/16/13	<0.27	0.89	<0.37	<1.2	1.58	1.03-1.89	<2.41
G-7-W	09/16/13	NO RECOVERY						
G-8-W	09/16/13	1670	580	<18.5	106	6200	441	2700
G-9-W	09/16/13	2.37	5.4	<0.37	5.0	21.2	29.1	17.2
G-10-W	09/16/13	<2.7	<8.2	<3.7	<12	<8	<16.9	<24.1
G-11-W	09/16/13	<0.27	<0.82	<0.37	<1.2	2.94	<1.69	<2.41
G-12-W	09/16/13	<0.27	<0.82	<0.37	<1.2	2.94	<1.69	<2.41
G-13-W	09/16/13	NO RECOVERY						
G-14-W	09/16/13	NOT SAMPLED						
G-15-W	09/16/13	NOT SAMPLED						
G-16-W	09/16/13	<0.27	<0.82	<0.37	<1.2	2.94	<1.69	<2.41
G-17-W	09/16/13	<0.27	<0.82	<0.37	<1.2	1.02	<1.69	<2.41
G-18-W	09/16/13	NO RECOVERY						
G-19-W	09/16/13	<2.7	<8.2	<3.7	<12	<8	<16.9	<24.1
<b>ENFORCE MENT STANDARD ES = Bold</b>		<b>5</b>	<b>700</b>	<b>60</b>	<b>100</b>	<b>800</b>	<b>480</b>	<b>2000</b>
<i>PREVENTIVE ACTION LIMIT PAL = Italics</i>		<i>0.5</i>	<i>140</i>	<i>12</i>	<i>10</i>	<i>160</i>	<i>96</i>	<i>400</i>

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



A.2. Soil Analytical Results Table  
(VOC's)  
Affordable Auto Care Repair Shop BRRTS# 03-29-555679

VOC's				<b>Bold = Groundwater RCL</b>	<u>Underline &amp; Bold = Direct Contact RCL</u>	<b>Asteric * &amp; Bold =Soil Saturation (C-sat) RCL</b>
Sample ID#	4A	4B	G-3-2			
Sample Depth/ft.	4-6	2-4	8			
Date	05/26/10	05/26/10	09/16/16			
Solids Percent	ND	ND	87.8			
Lead/ppm	49	120	3.3	27	400	==
Gasoline Range Organics/ppm	<5.6	24	880	==	==	==
Benzene/ppm	<0.028	0.100	< 0.092	0.00512	1.49	1820
Bromobenzene/ppm	ND	ND	<0.130	==	354	==
Bromodichloromethane/ppm	ND	ND	< 0.270	0.000326	0.39	==
Bromoform/ppm	ND	ND	< 0.300	0.00233	61.6	==
tert-Butylbenzene/ppm	ND	ND	< 0.200	==	183	183
sec-Butylbenzene/ppm	<0.028	0.043	1.170 "J"	==	145	145
n-Butylbenzene/ppm	<0.028	0.040	4.8	==	108	108
Carbon Tetrachloride/ppm	ND	ND	< 0.250	0.00388	0.85	==
Chlorobenzene/ppm	ND	ND	< 0.160	==	392	==
Chloroethane/ppm	ND	ND	< 0.420	0.227	==	==
Chloroform/ppm	ND	ND	< 0.490	0.0033	0.42	==
Chloromethane/ppm	ND	ND	< 1.810	0.0155	171	==
2-Chlorotoluene/ppm	ND	ND	< 0.160	==	==	==
4-Chlorotoluene/ppm	ND	ND	< 0.140	==	==	==
1,2-Dibromo-3-chloropropane/ppm	ND	ND	< 0.480	0.000173	0.01	==
Dibromochloromethane/ppm	ND	ND	< 0.140	0.032	0.93	==
1,4-Dichlorobenzene/ppm	ND	ND	< 0.330	0.144	3.48	==
1,3-Dichlorobenzene/ppm	ND	ND	< 0.300	1.15	297	297
1,2-Dichlorobenzene/ppm	ND	ND	< 0.380	1.17	376	376
Dichlorodifluoromethane/ppm	ND	ND	< 0.570	3.08	135	==
1,2-Dichloroethane/ppm	ND	ND	< 0.360	0.00284	0.61	540
1,1-Dichloroethane/ppm	ND	ND	< 0.190	0.484	4.72	==
1,1-Dichloroethene/ppm	ND	ND	< 0.210	0.00502	342	==
cis-1,2-Dichloroethene/ppm	ND	ND	< 0.240	0.0412	156	==
trans-1,2-Dichloroethene/ppm	ND	ND	< 0.290	0.0588	211	==
1,2-Dichloropropane/ppm	ND	ND	< 0.095	0.00332	1.33	==
2,2-Dichloropropane/ppm	ND	ND	< 0.460	==	527	527
1,3-Dichloropropane/ppm	ND	ND	< 0.210	==	1490	1490
Di-isopropyl ether/ppm	ND	ND	< 0.110	==	2260	2260
EDB (1,2-Dibromoethane)/ppm	ND	ND	< 0.200	0.0000282	0.05	==
Ethylbenzene/ppm	<0.028	0.041	14	1.57	7.47	480
Hexachlorobutadiene/ppm	ND	ND	< 0.950	==	6.23	==
Isopropylbenzene/ppm	ND	ND	3.06	==	==	==
p-Isopropyltoluene/ppm	<0.028	0.086	0.8	==	162	162
Methylene chloride/ppm	ND	ND	<0.570	0.00256	60.7	==
Methyl tert-butyl ether (MTBE)/ppm	ND	ND	<0.300	0.027	59.4	8870
Naphthalene/ppm	ND	ND	3.3 "J"	0.659	5.15	==
n-Propylbenzene/ppm	<0.028	0.070	10.7	==	==	==
1,1,2,2-Tetrachloroethane/ppm	ND	ND	< 0.120	0.000156	0.75	==
1,1,1,2-Tetrachloroethane/ppm	ND	ND	< 0.230	0.0533	2.59	==
Tetrachloroethene (PCE)/ppm	ND	ND	< 0.490	0.00454	30.7	==
Toluene/ppm			1.15	1.11	818	818
1,2,4-Trichlorobenzene/ppm	ND	ND	< 0.790	0.408	22.1	==
1,2,3-Trichlorobenzene/ppm	ND	ND	< 1.29	==	48.9	==
1,1,1-Trichloroethane/ppm	ND	ND	<0.380	0.14	==	==
1,1,2-Trichloroethane/ppm	ND	ND	<0.230	0.00324	1.48	==
Trichloroethene (TCE)/ppm	ND	ND	<0.280	0.00358	0.64	==
Trichlorofluoromethane/ppm	ND	ND	< 0.860	==	1120	==
1,2,4-Trimethylbenzene/ppm			63		89.8	219
1,3,5-Trimethylbenzene/ppm	<0.056	1.830	18.7	1.38	182	182
Vinyl Chloride/ppm	ND	ND	< 0.210	0.000138	0.07	==
m&p-Xylene/ppm			67			
o-Xylene/ppm	<0.096	0.230	3.7	3.94	258	258

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



A.3 Residual Soil Contamination Table  
Affordable Auto Care Repair Shop BRRTS# 03-29-555679

Sample ID	Depth (feet)	Saturation U/S	Date	PID	Lead (ppm)	DRO (ppm)	GRO (ppm)	Benzene (ppm)	Ethyl Benzene (ppm)	MTBE (ppm)	Naphthalene (ppm)	Toluene (ppm)	DIRECT CONTACT PVOC			Other VOC's (ppm)	Exceedance Count	Hazard Index	Cumulative Cancer Risk
													1,2,4-Trime-thylbenzene (ppm)	1,3,5-Trime-thylbenzene (ppm)	Xylene (Total) (ppm)				
4A	4-6	U	05/26/10	1	49.0	78	<5.6	<0.028	<0.028	ND	ND	<0.028	<0.056		<0.096	SEE VOC SPREAD-SHEET			
4B	2-4	U	05/26/10	2	120.0	34	24	0.1	0.04	ND	ND	0.09	1.83		0.23	SEE VOC SPREAD-SHEET	0	2.16E-02	7.30E-08
G-1-2	8.0	U	09/16/13	250	NS	NS	1420	0.0032	11.9	<0.0250	0.058	0.065	53	0.0247	0.0411	NS			
G-2-2	8.0	U	09/16/13	500	NS	NS	2850	12.8	90	<0.0250	16.2	158	141	63	390	NS			
G-3-2	8.0	U	09/16/13	560	3.3	NS	880	<0.092	14	<0.300	3.3	1.15	63	18.7	70.7	SEE VOC SPREAD-SHEET			
G-4-2	8.0	U	09/16/13	375	NS	NS	450	8.3	2.6	<0.0250	1.54	1.53	139	6.9	8.76	NS			
G-5-1	3.5	U	09/16/13	0	410	NS	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	1	1.03E+00	
G-5-2	8.0	U	09/16/13	375	NS	NS	360	<0.0250	1.16	<0.0250	1.98	0.64	2.46	2.41	6.04	NS			
G-7-1	3.5	U	09/16/13	0	55	NS	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0	1.38E-01	
G-8-2	7.0	U	09/16/13	325	NS	NS	4900	10.1	135	<0.500	26.4	81	263*	115	629*	NS			
G-9-1	3.5	U	09/16/13	0	82	NS	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0	2.05E-01	
G-9-2	8.0	U	09/16/13	305	NS	NS	68	0.195	0.304	<0.025	0.167	0.163	1.39	0.75	0.06	NS			
G-10-1	3.5	U	09/16/13	0	160	NS	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0	4.00E-01	
G-17-2	7.5	U	09/16/13	110	NS	NS	147	<0.025	0.4	<0.025	2.05	0.069	0.86	0.95	1.33	NS			
Groundwater RCL					27	-	-	0.00512	1.57	0.027	0.659	1.11	1.38		3.94	-			
Direct Contact RCL					400	-	-	1.49	7.47	59.4	5.15	818	89.8	182	258	-		1.00E+00	1.00E-05
Soil Saturation Concentration (C-sat) *					-	-	-	1820*	480*	8870*	-	818*	219*	182*	258*	-			

**Bold** = Groundwater RCL Exceedance  
**Bold & Underline** = Direct Contact RCL Exceedance  
**Bold & Asteric \*** = C-sat Exceedance  
 NS = Not Sampled  
 ND = No Data  
 (ppm) = parts per million  
 DRO = Diesel Range Organics  
 GRO = Gasoline Range Organics  
 PID = Photoionization Detector  
 VOC's = Volatile Organic Compounds

A.3 Residual Soil Contamination Table  
(VOC's)

Affordable Auto Care Repair Shop BRRTS# 03-29-555679

VOC's				<b>Bold = Groundwater RCL</b>	<u>Underline &amp; Bold = Direct Contact RCL</u>	<b>Asteric * &amp; Bold =Soil Saturation (C-sat) RCL</b>
Sample ID#	4A	4B	G-3-2			
Sample Depth/ft.	4-6	2-4	8			
Date	05/26/10	05/26/10	09/16/16			
Solids Percent	ND	ND	87.8			
Lead/ppm	49	120	3.3	27	400	==
Gasoline Range Organics/ppm	<5.6	24	880	==	==	==
Benzene/ppm	<0.028	0.100	< 0.092	0.00512	1.49	1820
Bromobenzene/ppm	ND	ND	<0.130	==	354	==
Bromodichloromethane/ppm	ND	ND	< 0.270	0.000326	0.39	==
Bromoform/ppm	ND	ND	< 0.300	0.00233	61.6	==
tert-Butylbenzene/ppm	ND	ND	< 0.200	==	183	183
sec-Butylbenzene/ppm	<0.028	0.043	1.170 "J"	==	145	145
n-Butylbenzene/ppm	<0.028	0.040	4.8	==	108	108
Carbon Tetrachloride/ppm	ND	ND	< 0.250	0.00388	0.85	==
Chlorobenzene/ppm	ND	ND	< 0.160	==	392	==
Chloroethane/ppm	ND	ND	< 0.420	0.227	==	==
Chloroform/ppm	ND	ND	< 0.490	0.0033	0.42	==
Chloromethane/ppm	ND	ND	< 1.810	0.0155	171	==
2-Chlorotoluene/ppm	ND	ND	< 0.160	==	==	==
4-Chlorotoluene/ppm	ND	ND	< 0.140	==	==	==
1,2-Dibromo-3-chloropropane/ppm	ND	ND	< 0.480	0.000173	0.01	==
Dibromochloromethane/ppm	ND	ND	< 0.140	0.032	0.93	==
1,4-Dichlorobenzene/ppm	ND	ND	< 0.330	0.144	3.48	==
1,3-Dichlorobenzene/ppm	ND	ND	< 0.300	1.15	297	297
1,2-Dichlorobenzene/ppm	ND	ND	< 0.380	1.17	376	376
Dichlorodifluoromethane/ppm	ND	ND	< 0.570	3.08	135	==
1,2-Dichloroethane/ppm	ND	ND	< 0.360	0.00284	0.61	540
1,1-Dichloroethane/ppm	ND	ND	< 0.190	0.484	4.72	==
1,1-Dichloroethene/ppm	ND	ND	< 0.210	0.00502	342	==
cis-1,2-Dichloroethene/ppm	ND	ND	< 0.240	0.0412	156	==
trans-1,2-Dichloroethene/ppm	ND	ND	< 0.290	0.0588	211	==
1,2-Dichloropropane/ppm	ND	ND	< 0.095	0.00332	1.33	==
2,2-Dichloropropane/ppm	ND	ND	< 0.460	==	527	527
1,3-Dichloropropane/ppm	ND	ND	< 0.210	==	1490	1490
Di-isopropyl ether/ppm	ND	ND	< 0.110	==	2260	2260
EDB (1,2-Dibromoethane)/ppm	ND	ND	< 0.200	0.0000282	0.05	==
Ethylbenzene/ppm	<0.028	0.041	14	1.57	7.47	480
Hexachlorobutadiene/ppm	ND	ND	< 0.950	==	6.23	==
Isopropylbenzene/ppm	ND	ND	3.06	==	==	==
p-Isopropyltoluene/ppm	<0.028	0.086	0.8	==	162	162
Methylene chloride/ppm	ND	ND	<0.570	0.00256	60.7	==
Methyl tert-butyl ether (MTBE)/ppm	ND	ND	<0.300	0.027	59.4	8870
Naphthalene/ppm	ND	ND	3.3 "J"	0.659	5.15	==
n-Propylbenzene/ppm	<0.028	0.070	10.7	==	==	==
1,1,2,2-Tetrachloroethane/ppm	ND	ND	< 0.120	0.000156	0.75	==
1,1,1,2-Tetrachloroethane/ppm	ND	ND	< 0.230	0.0533	2.59	==
Tetrachloroethene (PCE)/ppm	ND	ND	< 0.490	0.00454	30.7	==
Toluene/ppm			1.15	1.11	818	818
1,2,4-Trichlorobenzene/ppm	ND	ND	< 0.790	0.408	22.1	==
1,2,3-Trichlorobenzene/ppm	ND	ND	< 1.29	==	48.9	==
1,1,1-Trichloroethane/ppm	ND	ND	<0.380	0.14	==	==
1,1,2-Trichloroethane/ppm	ND	ND	<0.230	0.00324	1.48	==
Trichloroethene (TCE)/ppm	ND	ND	<0.280	0.00358	0.64	==
Trichlorofluoromethane/ppm	ND	ND	< 0.860	==	1120	==
1,2,4-Trimethylbenzene/ppm			63		89.8	219
1,3,5-Trimethylbenzene/ppm	<0.056	1.830	18.7	1.38	182	182
Vinyl Chloride/ppm	ND	ND	< 0.210	0.000138	0.07	==
m&p-Xylene/ppm			67			
o-Xylene/ppm	<0.096	0.230	3.7	3.94	258	258

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

**A.6 Water Level Elevations**  
**Affordable Auto Care Repair Shop BRRTS# 03-29-555679**  
**New Lisbon, Wisconsin**

	<b>MW-1</b>	<b>PZ-1</b>	<b>PZ-2</b>
<b>Ground Surface (feet msl)</b>	890.05	890.07	890.29
<i>pvc top (ft)</i>	889.38	889.52	889.70
<b>Well Depth (feet)</b>	13	32	45
<b>Top of screen (feet msl)</b>	887.05	863.07	850.29
<b>Bottom of screen (feet msl)</b>	877.05	858.07	845.29

**Depth to Water From Top of PVC (feet)**

<b>12/09/14</b>	9.83	12.05	12.57
<b>08/10/15</b>	8.05	12.26	12.77
<b>11/12/15</b>	7.43	12.11	12.62
<b>02/15/16</b>	7.15	12.02	11.50

**Depth to Water From Ground Surface (feet)**

<b>12/09/14</b>	10.50	12.60	13.16
<b>08/10/15</b>	8.72	12.81	13.36
<b>11/12/15</b>	8.10	12.66	13.21
<b>02/15/16</b>	7.82	12.57	12.09

**Groundwater Elevation (feet msl)**

<b>12/09/14</b>	879.55	877.47	877.13
<b>08/10/15</b>	881.33	877.26	876.93
<b>11/12/15</b>	881.95	877.41	877.08
<b>02/15/16</b>	882.23	877.50	878.20

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

**A.7 Other**

**Vertical Gradient Calculations**

**Affordable Auto Care Repair Shop**

**BRRTS# 03-29-555679**

	<b>MW-1</b>	<b>PZ-1</b>
Well Casing Elevation	889.38	889.52
Screen Joint	3	27
Length of Screen	10	5

<b>Date</b>	<b>MW-1</b>	<b>PZ-1</b>	<b>Midpoint to Midpoint</b>	
	<b>Groundwater Elevation (ft MSL)</b>	<b>Groundwater Elevation (ft MSL)</b>	<b>Vertical Gradient</b>	<b>Vertical Gradient Direction</b>
12/09/2014	879.55	877.47	1.16E-01	Down
08/10/2015	881.33	877.26	2.16E-01	Down
11/12/2015	881.95	877.41	2.37E-01	Down
02/15/2016	882.23	877.50	2.45E-01	Down
<b>Min</b>			2.45E-01	Down
<b>Max</b>			1.16E-01	Down
<b>Average</b>			2.04E-01	Down

A.7 Other  
 Shallow Horizontal Flow Velocity Calculations  
 Affordable Auto Care Repair Shop  
 BRRTS# 03-29-555679

MW-1

	<b>ft/s</b>	<b>ft/year</b>	<b>cm/s</b>	<b>m/yr</b>
<b>K</b>	8.94E-05	2.82E+03	2.72E-03	859.33
	<b>sq ft/s</b>	<b>sq cm/s</b>		
<b>T</b>	2.83E-04	2.63E-01		

Date	Elv. (High)	Elv. (Low)	Distance (ft)	Hyd Grad (l)
05/31/2010	881.00	879.00	60	3.33E-02
08/04/2010	884.00	881.00	55	5.45E-02
11/11/2010	882.00	879.00	70	4.29E-02
01/31/2011	881.00	878.00	50	6.00E-02
			<b>Min</b>	3.33E-02
			<b>Max</b>	6.00E-02
			<b>Average</b>	4.77E-02

	<b>K (m/yr)</b>	<b>Average Hyd Grad (l)</b>	<b>Porosity (n)</b>	<b>Flow Velocity (m/yr)</b>
<b>MW-1</b>	859.33	4.77E-02	0.3	136.59

A.7 Other  
 Deep Horizontal Flow Velocity Calculations  
 Affordable Auto Care Repair Shop  
 BRRTS# 03-29-555679

PZ-1

	ft/s	ft/year	cm/s	m/yr
K	1.62E-04	5.11E+03	4.94E-03	1557.17
	sq ft/s	sq cm/s		
T	3.24E-03	3.01E+00		

PZ-2

	ft/s	ft/year	cm/s	m/yr
K	1.11E-04	3.50E+03	3.38E-03	1066.95
	sq ft/s	sq cm/s		
T	3.59E-03	3.33E+00		

Date	Elv. (High)	Elv. (Low)	Distance (ft)	Hyd Grad (l)
05/31/2010	878.25	877.25	210	4.76E-03
08/04/2010	880.00	879.00	270	3.70E-03
11/11/2010	878.50	878.00	170	2.94E-03
01/31/2011	878.00	877.50	190	2.63E-03
			Min	2.63E-03
			Max	4.76E-03
			Average	3.51E-03

	Average K (m/yr)	Average Hyd Grad (l)	Porosity (n)	Flow Velocity (m/yr)
PZ-1	1557.17	3.51E-03	0.3	18.22
PZ-2	1066.95	3.51E-03	0.3	12.48
			Min	12.48
			Max	18.22
			Average	15.35

A.7 Other  
 Groundwater NA Indicator Results  
 Affordable Auto Care Repair Shop BRRTS# 03-29-555679

Well MW-1

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Manganese (ppb)
12/09/14	1.80	5.04	-22	10.9	986	0.164	6.47	9.47	1800
08/10/15	2.01	6.65	-115	19.5	802	NS	NS	NS	NS
11/12/15	2.02	7.29	-27	12.4	521	NS	NS	NS	NS
02/15/16	5.61	5.39	248	7.4	720	NS	NS	NS	NS
ENFORCE MENT STANDARD = <b>ES - Bold</b>						10	-	-	300
PREVENTIVE ACTION LIMIT = <i>PAL - Italics</i>						2	-	-	60

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

Well PZ-1

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Manganese (ppb)
12/09/14	1.86	3.92	146	11.8	432.7	4.31	16.8	0.84	270
08/10/15	2.23	6.86	226	18.1	374	NS	NS	NS	NS
11/12/15	5.30	7.1	137	112.2	842	NS	NS	NS	NS
02/15/16	2.83	5.35	300	9.5	474	NS	NS	NS	NS
ENFORCE MENT STANDARD = <b>ES - Bold</b>						10	-	-	300
PREVENTIVE ACTION LIMIT = <i>PAL - Italics</i>						2	-	-	60

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

Well PZ-2

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Manganese (ppb)
12/09/14	3.59	6.14	202	9.2	473.3	2.92	29.7	3.54	617
08/10/15	3.40	6.53	182	17.2	554	NS	NS	NS	NS
11/12/15	7.81	6.8	245	12.1	666	NS	NS	NS	NS
02/15/16	4.83	5.51	170	8.4	587	NS	NS	NS	NS
ENFORCE MENT STANDARD = <b>ES - Bold</b>						10	-	-	300
PREVENTIVE ACTION LIMIT = <i>PAL - Italics</i>						2	-	-	60

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

## Attachment B/Maps and Figures

### B.1 Location Maps

#### B.1.a Location Map

#### B.1.b Detailed Site Map

#### B.1.c RR Site Map

### B.2 Soil Figures

#### B.2.a Soil Contamination

#### B.2.b Residual Soil Contamination

### B.3 Groundwater Figures

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

#### B.3.b Groundwater Isoconcentration

B.3.c Groundwater Flow Direction – Since only one monitoring well was installed at the subject property, groundwater flow direction could not be calculated. Based on the GIS Registry for the adjacent closed Kwik Trip #836 LUST site (BRRTS# 03-29-001235), local shallow horizontal groundwater flow in the immediate area of the subject property is generally toward the southwest to southeast and local deep horizontal groundwater flow is generally towards the east.

#### B.3.d Monitoring Wells

### B.4 Vapor Maps and Other Media

B.4.a Vapor Intrusion Map – No vapor samples were assessed as part of this site investigation.

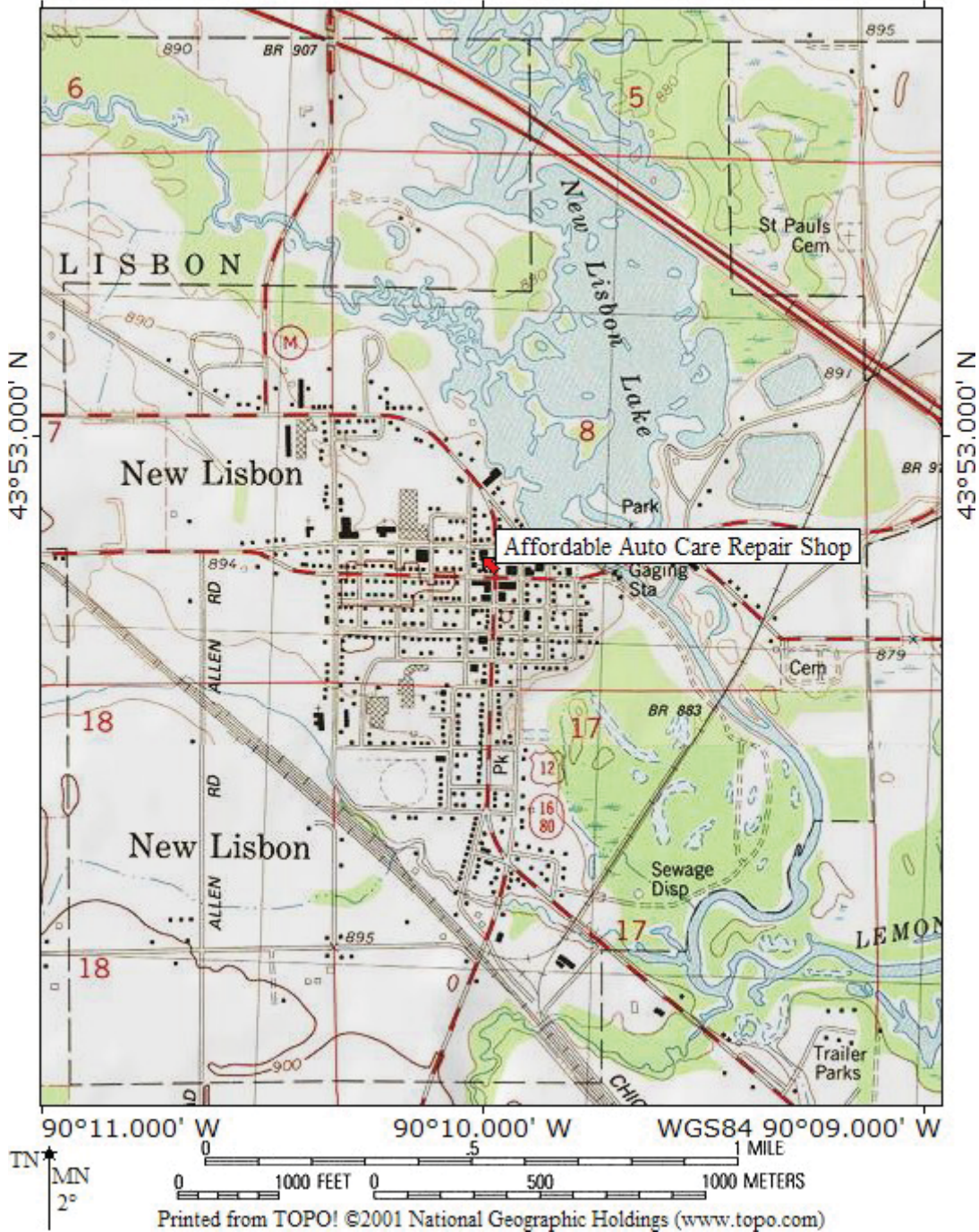
B.4.b Other media of concern (e.g., sediment or surface water) – No surface waters or sediments were sampled as part of this site investigation.

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

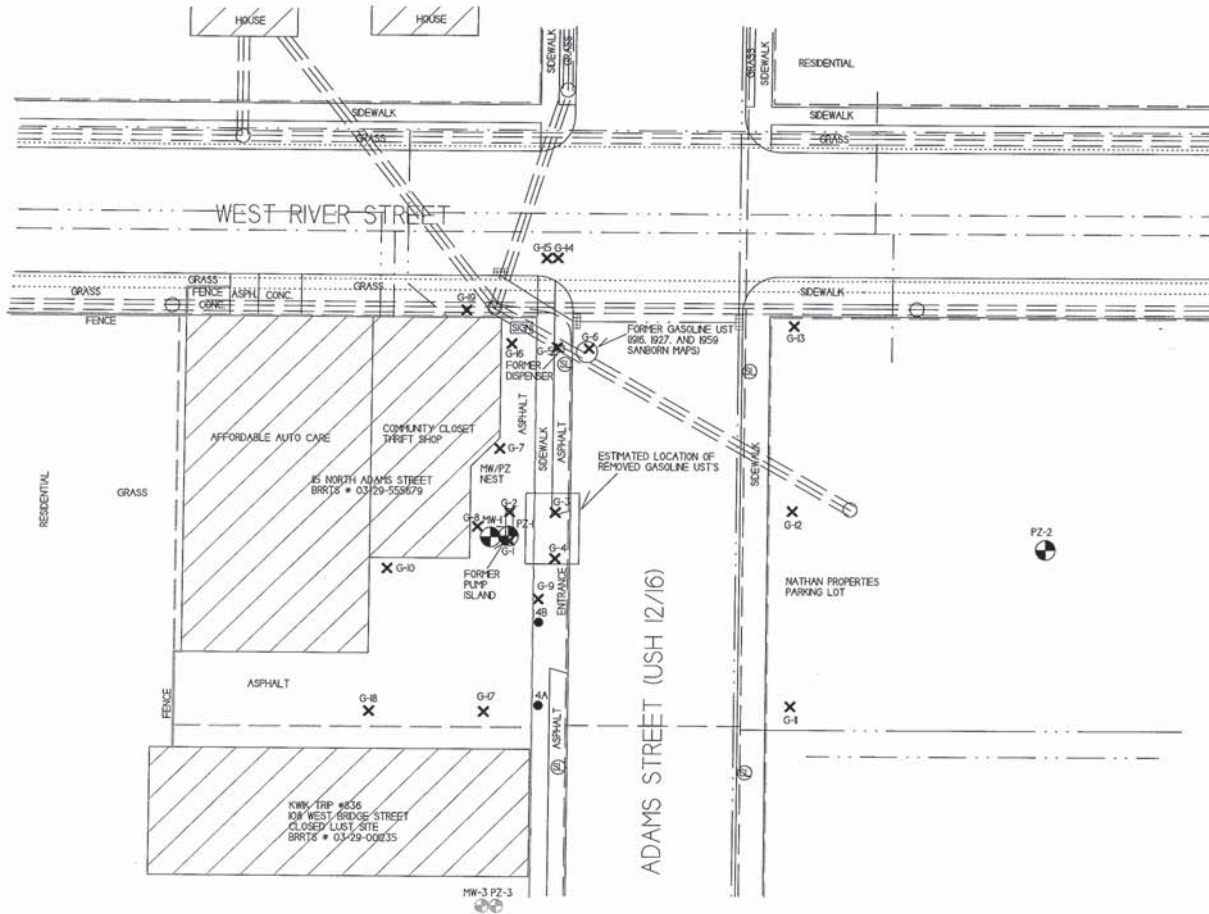
B.5 Structural Impediment Photos – No structural impediments interfered with the investigation, therefore no photos are being included.



TOPO! map printed on 05/15/13 from "wisconsin.tpo" and "Untitled.tpg"  
90°11.000' W                      90°10.000' W                      WGS84 90°09.000' W



B.1.a. LOCATION MAP CONTOUR INTERVAL 20 FEET
AFFORDABLE AUTO CARE REPAIR SHOP – NEW LISBON, WI
SEAMLESS USGS TOPOGRAPHIC MAPS ON CD-ROM



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

**AFFORDABLE AUTO CARE REPAIR SHOP**

**NEW LISBON, WISCONSIN**

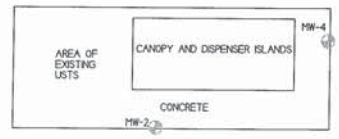
**METCO** 709 Gillette Street, Suite 3  
La Crosse, WI 54603  
Tel: (608) 781-8879  
Fax: (608) 781-8893

DATE: 05/15/2003

DRAWN BY: ED

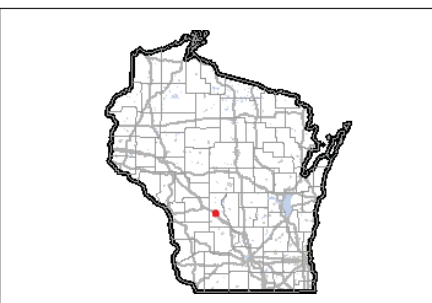
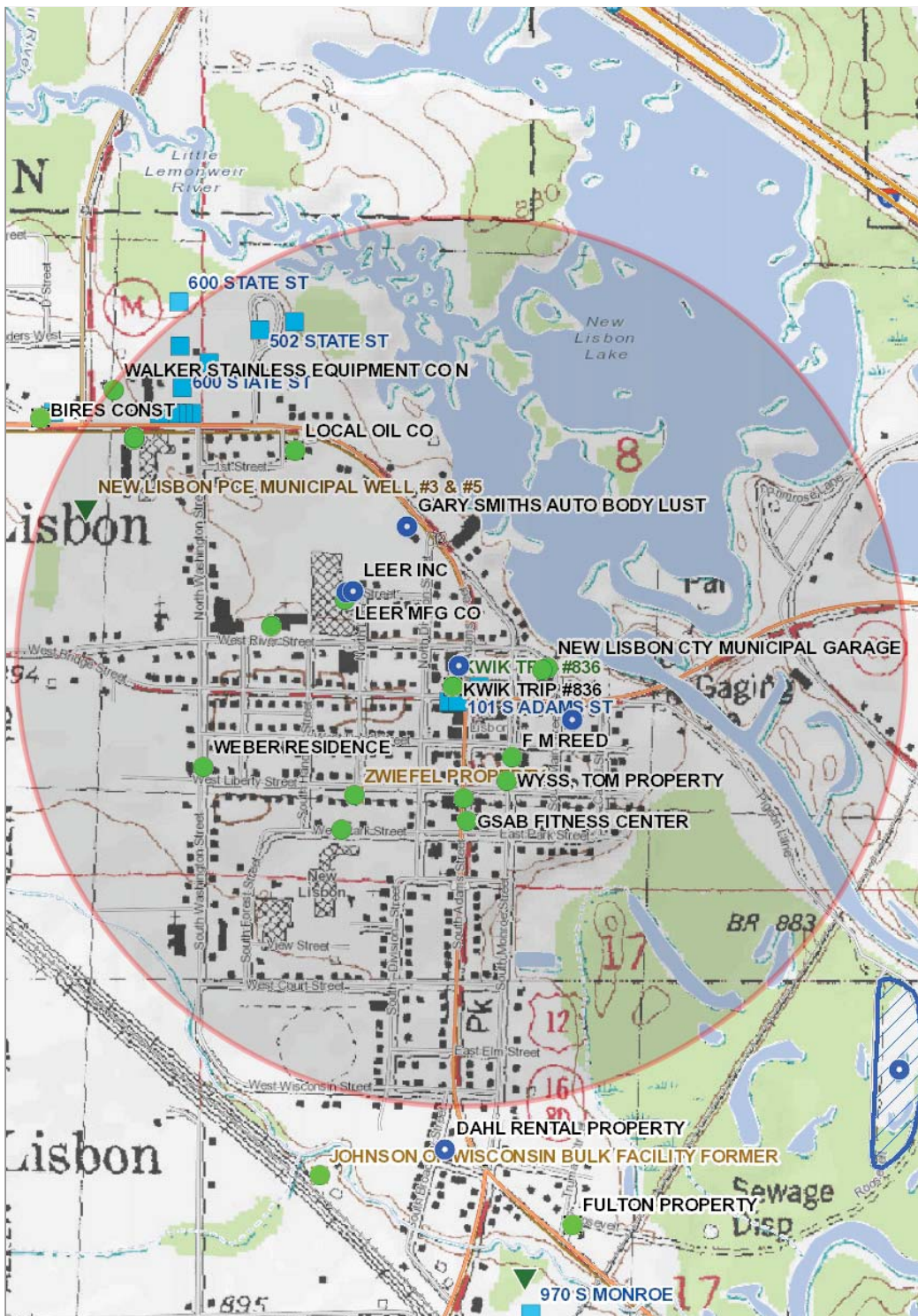
- NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER
- SCALE: 1 INCH = 35 FEET
- - PZESA SOIL BORING LOCATION
  - X - GEOPROBE BORING LOCATION
  - ⊗ - FORMER MONITORING WELL LOCATION - KWK TRIP
  - ⊙ - MONITORING/PIEZOMETER WELL LOCATION

- PROPERTY BOUNDARY
- WATER LINE
- SANITARY SEWER LINE
- STORM SEWER LINE
- NATURAL GAS LINE
- BURIED ELECTRIC LINE
- BURIED TELEPHONE/CABLE LINE
- OVERHEAD ELECTRIC LINE





# B.1.c. RR Sites Map



### Legend

- Open Site (ongoing cleanup)
- Open Site Boundary
- Closed Site (completed cleanup)
- Closed Site Boundary
- Groundwater Contamination
- Soil Contamination
- Groundwater and Soil Contamination
- Contamination from Another Property
- ♦ Dryclean Environmental Response F (DERF)
- ♦ Green Space Grant (2004-2009)
- ♦ Ready for Reuse
- ♦ Site Assessment Grant (2001-2009)
- ♦ State Funded Response
- ♦ Sustainable Urban Development Zone
- ♦ General Liability Clarification Letters
- ♦ Superfund NPL
- ♦ Voluntary Party Liability Exemption
- Rivers and Streams
- Open Water
- Municipality
- State Boundaries
- County Boundaries
- Major Roads**
- Interstate Highway
- State Highway
- US Highway
- County and Local Roads**
- County HWY
- Local Road
- + Railroads
- Tribal Lands

0.4      0      Distance / 2      0.4      Miles

1: 11,528

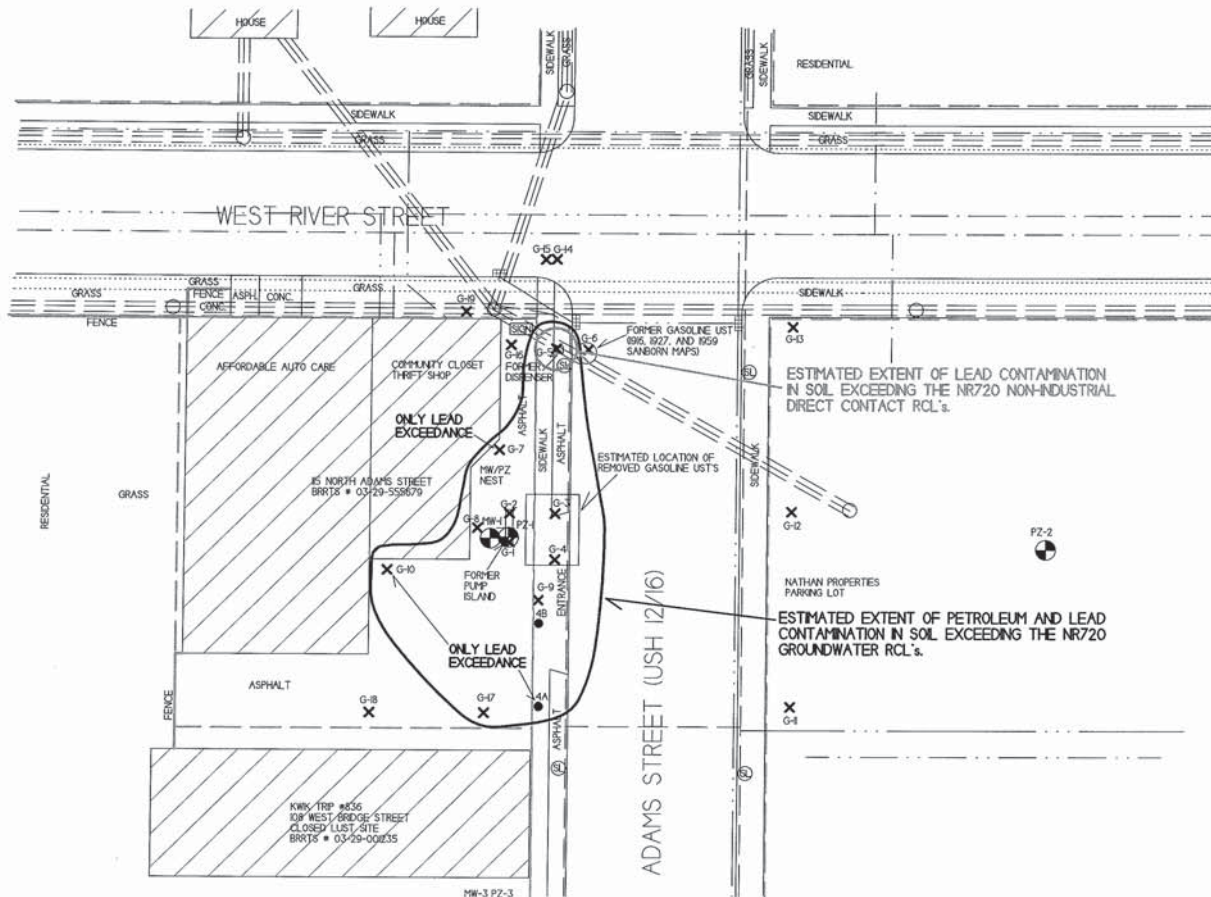


NAD\_1983\_HARN\_Wisconsin\_TM

**DISCLAIMER:** The information shown on these maps has been obtained from various sources, and are of varying age, reliability and resolution. These maps are not intended to be used for navigation, nor are these maps an authoritative source of information about legal land ownership or public access. No warranty, expressed or implied, is made regarding accuracy, applicability for a particular use, completeness, or legality of the information depicted on this map. For more information, see the DNR Legal Notices web page: <http://dnr.wi.gov/org/legal/>

**Note:** Not all sites are mapped.

### Notes



B.2.a. SOIL CONTAMINATION

AFFORDABLE AUTO CARE REPAIR SHOP

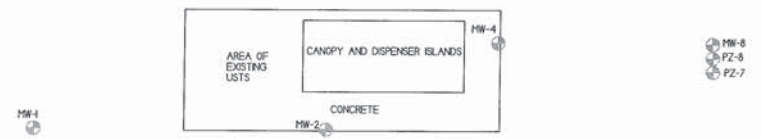
NEW LISBON, WISCONSIN

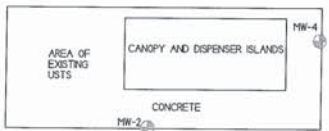
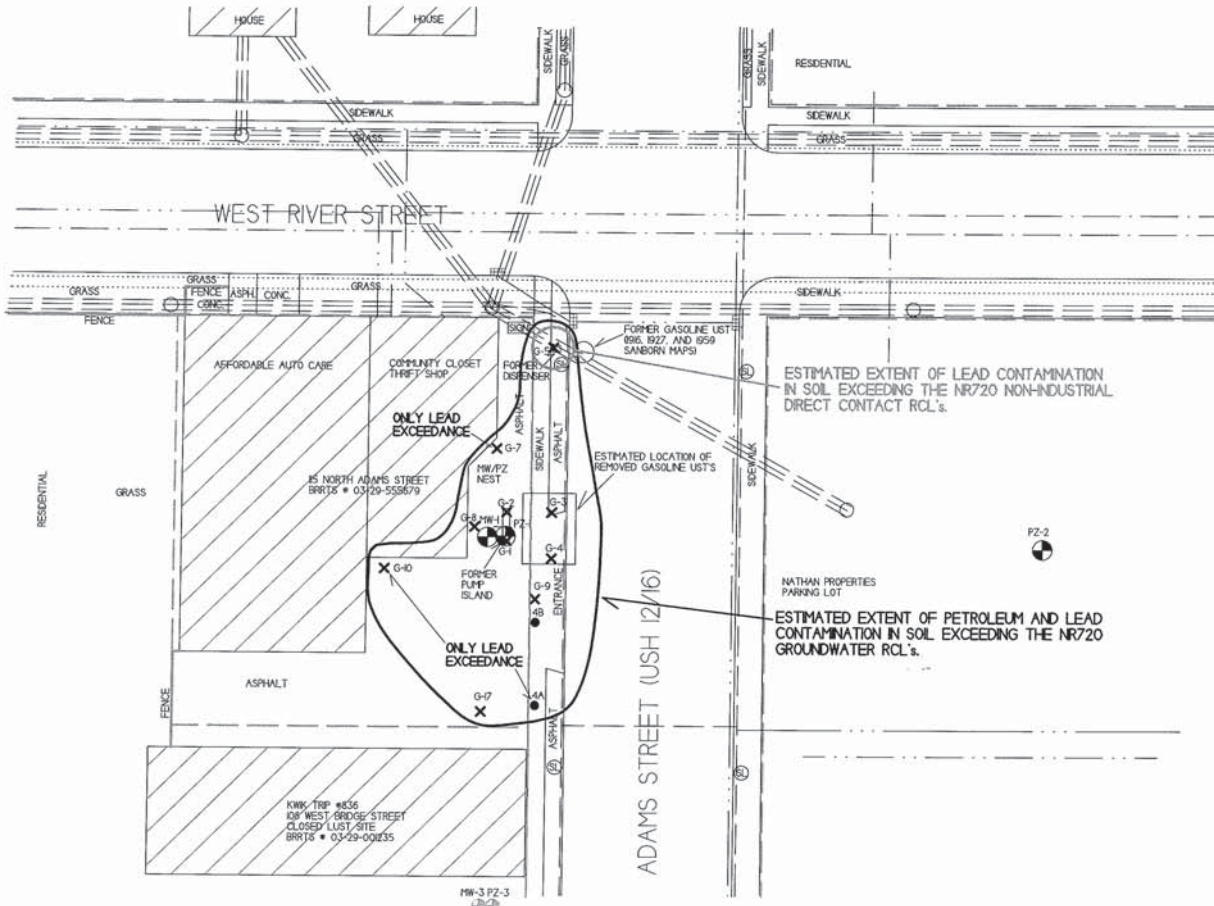
METCO 739 Olive Street, Suite La Crosse, WI 54601 Tel: (608) 781-8879 Fax: (608) 781-8883

DRAWN BY: ED DATE: 5/16/2008  
 MODIFIED BY: M1 DATE: 9/7/2008

- NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER.
- SCALE: 1 INCH = 35 FEET
- - PZESA SOIL BORING LOCATION
  - ✕ - GEOPROBE BORING LOCATION
  - ⊗ - FORMER MONITORING WELL LOCATION - KWK TRIP
  - ⊙ - MONITORING/PIEZOMETER WELL LOCATION
- PROPERTY BOUNDARY \_\_\_\_\_
- WATER LINE \_\_\_\_\_
- SANITARY SEWER LINE \_\_\_\_\_
- STORM SEWER LINE \_\_\_\_\_
- NATURAL GAS LINE \_\_\_\_\_
- BURIED ELECTRIC LINE \_\_\_\_\_
- BURIED TELEPHONE/CABLE LINE \_\_\_\_\_
- OVERHEAD ELECTRIC LINE \_\_\_\_\_

NOTE: SOIL BORING 4A AND GEOPROBE BORINGS G-7 AND G-10 ONLY SHOWED NR720 GROUNDWATER RCL EXCEEDANCES FOR LEAD.





<b>B.2.b. RESIDUAL SOIL CONTAMINATION</b> <b>AFFORDABLE AUTO CARE REPAIR SHOP</b>		
<b>NEW LISBON, WISCONSIN</b>		
	709 Gillette Street, Suite 3 La Crosse, WI 54602 Tel: (608) 781-6879 Fax: (608) 781-6893	DRAWN BY: SD    DATE: 5/15/2013 CHECKED BY: PFI    DATE: 9/7/2016

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

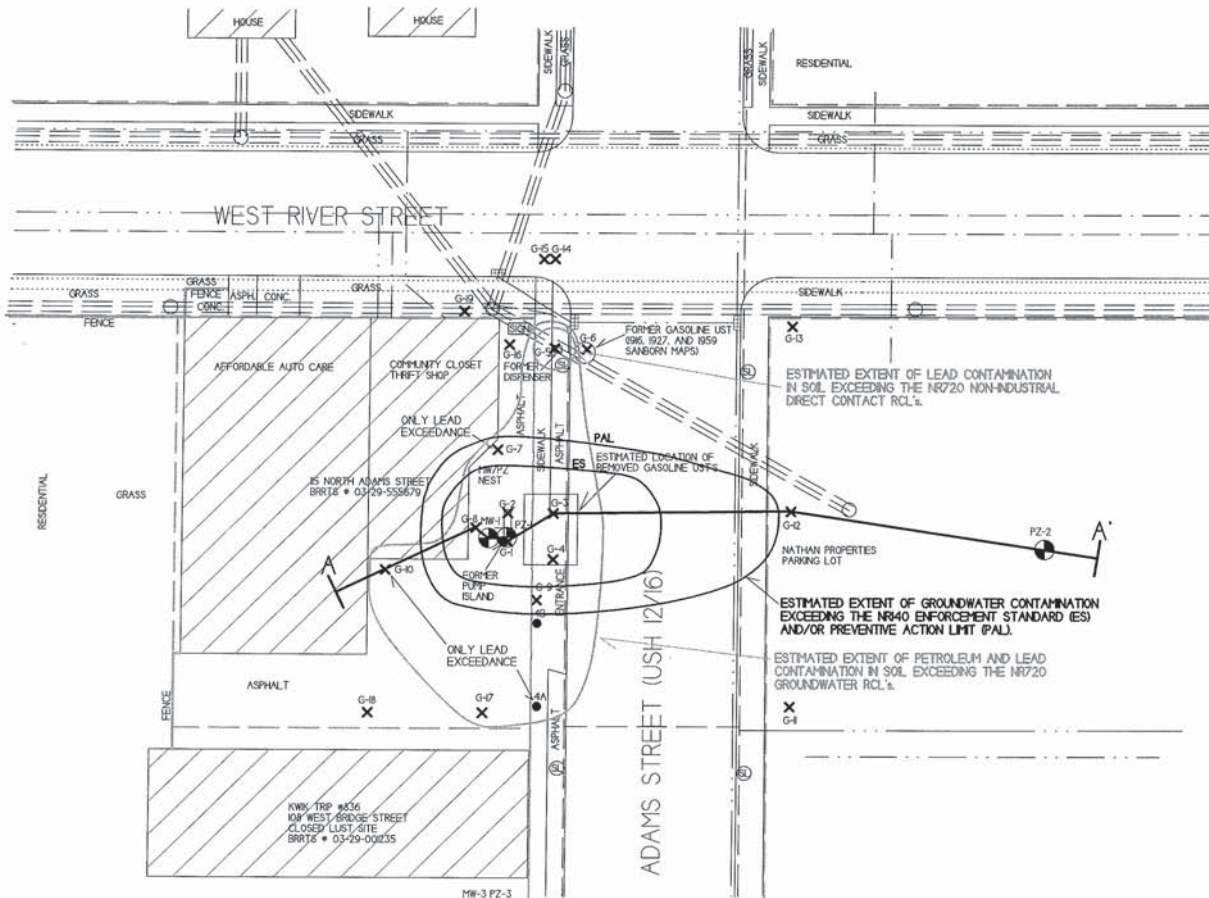


- - PZESA SOIL BORING LOCATION
- ✕ - GEOPROBE BORING LOCATION
- ⊕ - FORMER MONITORING WELL LOCATION - KWK TRIP
- ⊖ - MONITORING/PIEZOMETER WELL LOCATION

- PROPERTY BOUNDARY \_\_\_\_\_
- WATER LINE \_\_\_\_\_
- SANITARY SEWER LINE \_\_\_\_\_
- STORM SEWER LINE \_\_\_\_\_
- NATURAL GAS LINE \_\_\_\_\_
- BURIED ELECTRIC LINE \_\_\_\_\_
- BURIED TELEPHONE/CABLE LINE \_\_\_\_\_
- OVER-HEAD ELECTRIC LINE \_\_\_\_\_

NOTE: SOIL BORING 4A AND GEOPROBE BORINGS G-7 AND G-10 ONLY SHOWED NR720 GROUNDWATER RCL EXCEEDANCES FOR LEAD.

- MW-10
- PZ-2
- PZ-1



B.3.d. GEOLOGIC CROSS-SECTION FIGURE(S)  
 AFFORDABLE AUTO CARE REPAIR SHOP  
 NEW LISBON, WISCONSIN  
 METCO 739 Gilbert Street, Suite 3  
 La Crosse, WI 54603  
 Tel: (608) 781-8879  
 Fax: (608) 781-8883  
 DRAWN BY: ED DATE: 5/15/2003  
 MODIFIED BY: H1 DATE: 9/7/2006

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



- - P2ESA SOIL BORING LOCATION
- ✕ - GEOPROBE BORING LOCATION
- ⊗ - FORMER MONITORING WELL LOCATION - KWK TRIP
- ⊕ - MONITORING/PIEZOMETER WELL LOCATION

- PROPERTY BOUNDARY
- WATER LINE
- SANITARY SEWER LINE
- STORM SEWER LINE
- NATURAL GAS LINE
- BURIED ELECTRIC LINE
- BURIED TELEPHONE/CABLE LINE
- OVERHEAD ELECTRIC LINE

NOTE: SOIL BORING 4A AND GEOPROBE BORINGS G-7 AND G-10 ONLY SHOWED NR720 GROUNDWATER RCL EXCEEDANCES FOR LEAD.

NOTE: GROUNDWATER ISOCONCENTRATION BASED ON GEOPROBE GROUNDWATER ANALYTICAL RESULTS (9/15/2003) AND ROUND 4 GROUNDWATER ANALYTICAL RESULTS (2/15/2006).

SHALLOW GROUNDWATER FLOW  
 -BASED ON ADJACENT CLOSED LUST SITE  
 KWK TRIP #836 (BRTS# 03-29-00235)

DEEP GROUNDWATER FLOW  
 -BASED ON ADJACENT CLOSED LUST SITE  
 KWK TRIP #836 (BRTS# 03-29-00235)

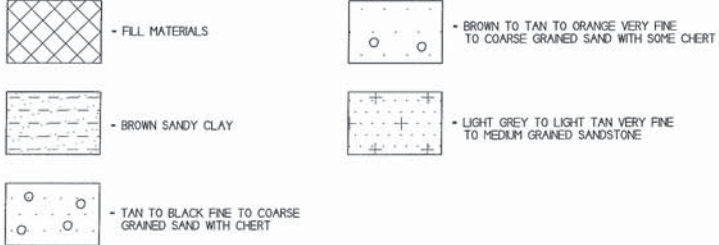
- PZ-12
- PZ-2
- PZ-1



- MW-8
- PZ-8
- PZ-7

MW-1





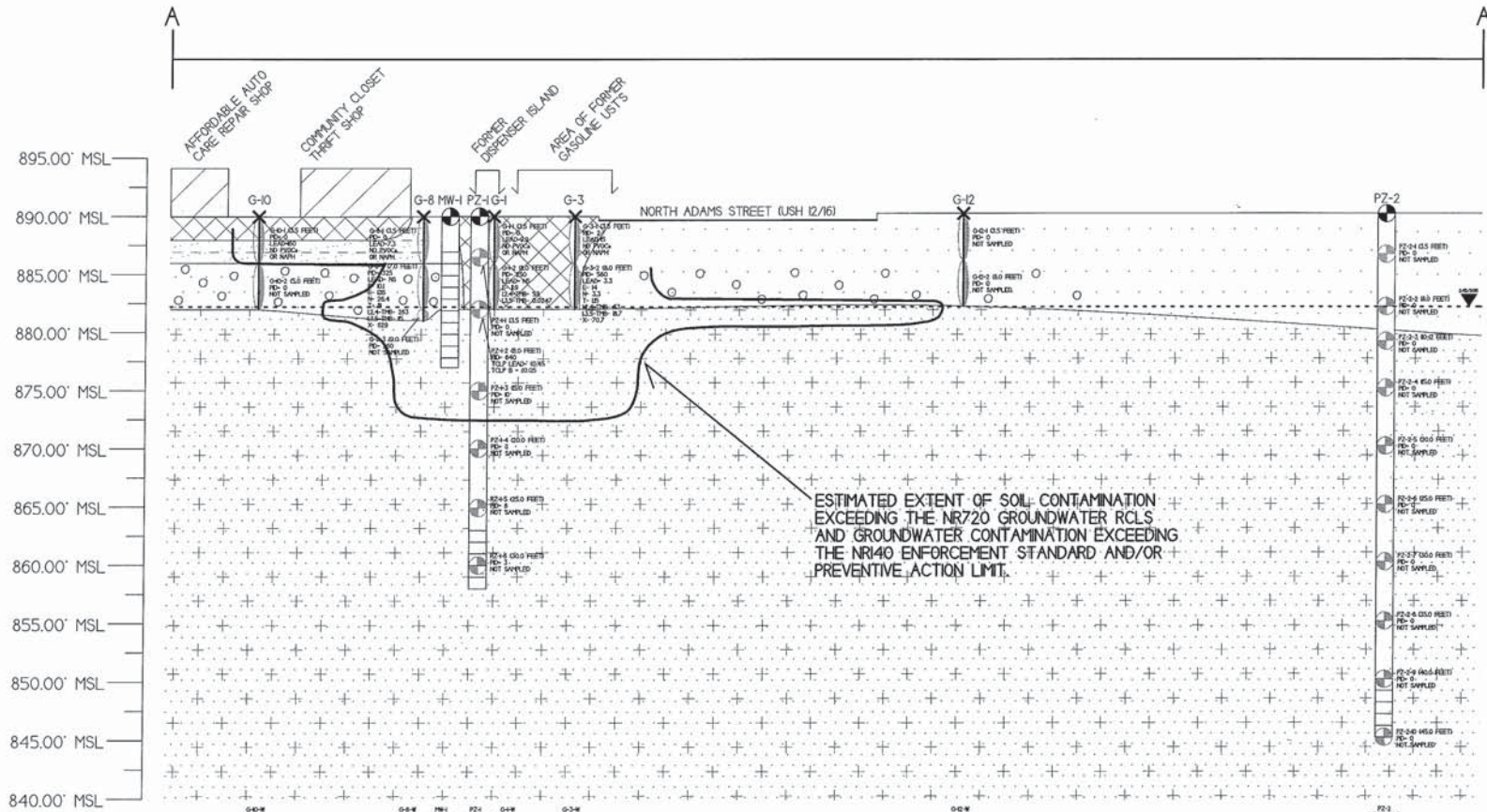
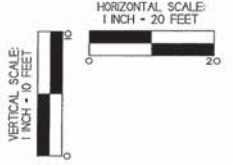
B.3.a. GEOLOGIC CROSS-SECTION FIGURE(S) (A-A')

AFFORDABLE AUTO CARE REPAIR SHOP

NEW LISBON, WISCONSIN

199 State Street, Suite 2  
La Crosse, WI 54601  
Tel: (608) 781-6879  
Fax: (608) 781-6899

DRAWN BY: ED DATE: 5/25/2013  
MODIFIED BY: HHT DATE: 9/7/2016



- X - GEOPROBE BORING LOCATION
- MONITORING WELL/PEZOMETER LOCATION
- GEOPROBE BORING SAMPLING INTERVAL
- MONITORING WELL/PEZOMETER SAMPLE LOCATION
- WATER TABLE

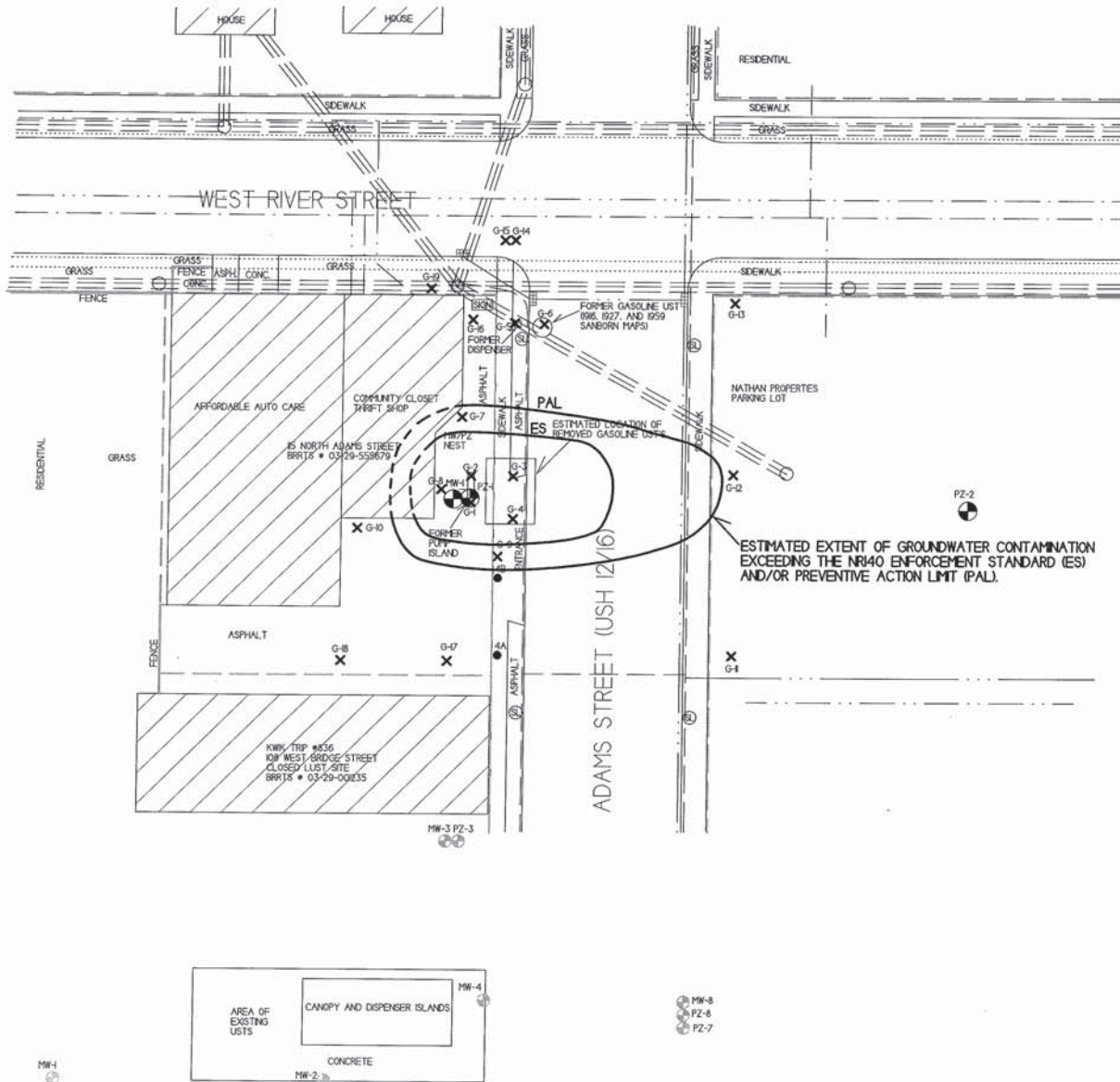
NOTES:

- INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER.
- SOIL SAMPLE RESULTS ARE PRESENTED IN PARTS PER MILLION (PPM).
- GROUNDWATER SAMPLE RESULTS ARE PRESENTED IN PARTS PER BILLION (PPB).
- ONLY SOIL RCL EXCEEDANCES HAVE BEEN DOCUMENTED ON THE MAP. SEE DATA TABLES AND/OR LABORATORY REPORTS FOR ALL RESULTS.
- SOIL AND GROUNDWATER SAMPLE DATA IS BASED ON LABORATORY RESULTS FROM SAMPLES COLLECTED DURING THE GEOPROBE PROJECT - (12/15/2013) ROUND 4 GROUNDWATER SAMPLING - (12/15/2016)

PD-PHOTOIONIZATION DETECTOR  
 PVOC-PETROLEUM VOLATILE ORGANIC COMPOUNDS  
 B-BENZENE  
 E-ETHYLBENZENE  
 N-NAPHTHALENE  
 T-TOLUENE  
 1,2,4-TRIMETHYLBENZENE  
 1,3,5-TRIMETHYLBENZENE  
 TRIMETHYLBENZENE  
 X-XYLENE

G-10-1 E-02 MHC-0237 P-0 T-0 THP-0 X-041	G-10-2 E-02 MHC-0237 P-0 T-0 THP-0 X-041	G-8-1 E-02 MHC-0237 P-0 T-0 THP-0 X-041	MW-1 E-02 MHC-0237 P-0 T-0 THP-0 X-041	PZ-1 E-02 MHC-0237 P-0 T-0 THP-0 X-041	G-3-1 E-02 MHC-0237 P-0 T-0 THP-0 X-041	G-12-1 E-02 MHC-0237 P-0 T-0 THP-0 X-041	PZ-2-1 E-02 MHC-0237 P-0 T-0 THP-0 X-041	PZ-2-2 E-02 MHC-0237 P-0 T-0 THP-0 X-041	PZ-2-3 E-02 MHC-0237 P-0 T-0 THP-0 X-041	PZ-2-4 E-02 MHC-0237 P-0 T-0 THP-0 X-041	PZ-2-5 E-02 MHC-0237 P-0 T-0 THP-0 X-041	PZ-2-6 E-02 MHC-0237 P-0 T-0 THP-0 X-041	PZ-2-7 E-02 MHC-0237 P-0 T-0 THP-0 X-041	PZ-2-8 E-02 MHC-0237 P-0 T-0 THP-0 X-041	PZ-2-9 E-02 MHC-0237 P-0 T-0 THP-0 X-041	PZ-2-10 E-02 MHC-0237 P-0 T-0 THP-0 X-041
--	--	---	--	--	---	--	--	--	--	--	--	--	--	--	--	---





<b>B.3.b. GROUNDWATER ISOCONCENTRATION AFFORDABLE AUTO CARE REPAIR SHOP</b>		
<b>NEW LISBON, WISCONSIN</b>		
	739 Gillette Street, Suite 3 La Crosse, WI 54603 Tel: (608) 781-8879 Fax: (608) 781-8883	DRAWN BY: ED DATE: 5/2/2003 MODIFIED BY: PPI DATE: 9/7/2016

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



- - PZESA SOIL BORING LOCATION
- ✕ - GEOPROBE BORING LOCATION
- ⊗ - FORMER MONITORING WELL LOCATION - KWK TRIP
- ⊕ - MONITORING/PIEZOMETER WELL LOCATION

- PROPERTY BOUNDARY
- WATER LINE
- SANITARY SEWER LINE
- STORM SEWER LINE
- NATURAL GAS LINE
- BURIED ELECTRIC LINE
- BURIED TELEPHONE/CABLE LINE
- OVER-HEAD ELECTRIC LINE

NOTE: GROUNDWATER ISOCONCENTRATION BASED ON GEOPROBE GROUNDWATER ANALYTICAL RESULTS (9/16/2013) AND ROUND 4 GROUNDWATER ANALYTICAL RESULTS (2/15/2016).

SHALLOW GROUNDWATER FLOW  
 -BASED ON ADJACENT CLOSED LUST SITE  
 KWK TRIP #836 (BRRTS# 03-29-00235)



DEEP GROUNDWATER FLOW  
 -BASED ON ADJACENT CLOSED LUST SITE  
 KWK TRIP #836 (BRRTS# 03-29-00235)

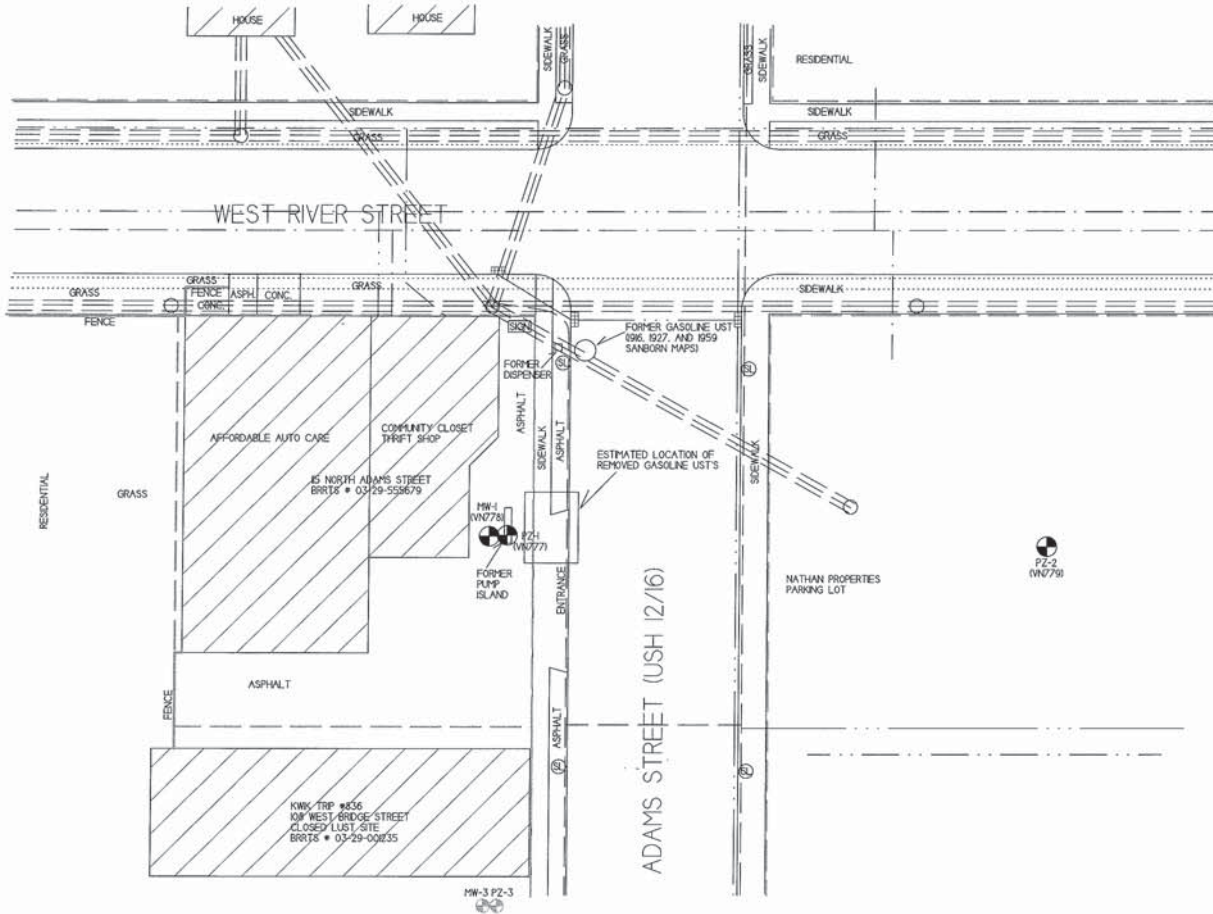


- PZ-2
- PZ-2
- PZ-4

MW-4



- MW-8
- PZ-6
- PZ-7



<b>B.3.d. MONITORING WELLS</b>		
<b>AFFORDABLE AUTO CARE REPAIR SHOP</b>		
	<b>NEW LISBON, WISCONSIN</b> <small>109 Cobble Street, Suite 3          La Crosse, WI 54603          Tel: (608) 791-5879          Fax: (608) 791-1893</small>	
<small>NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER</small>		<small>SCALE 1 INCH = 35 FEET</small>

- NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER
- MONITORING/PIEZOMETER WELL LOCATION (PROPOSED TO BE ABANDONED)  
 - FORMER MONITORING WELL LOCATION - KWIK TRIP (ABANDONED)

- PROPERTY BOUNDARY \_\_\_\_\_
- WATER LINE \_\_\_\_\_
- SANITARY SEWER LINE \_\_\_\_\_
- STORM SEWER LINE \_\_\_\_\_
- NATURAL GAS LINE \_\_\_\_\_
- BURIED ELECTRIC LINE \_\_\_\_\_
- BURIED TELEPHONE/CABLE LINE \_\_\_\_\_
- OVERHEAD ELECTRIC LINE \_\_\_\_\_



PZ-2  
PZ-3  
PZ-4

MW-8  
PZ-6  
PZ-7

MW-1

## Attachment C/Documentation of Remedial Action

C.1 Site Investigation documentation – All site investigation activities are documented in the following Site Investigation Report (November 18, 2016), which is being submitted concurrently with this Case Closure Request.

### C.2 Investigative waste

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

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

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

C.6 Other – Not applicable

C2 Investigative waste

DKS Transport  
Services, LLC

N7349 548th Street  
Menomonie, WI 54751

715-556-2604

INVOICE

CUSTOMER

12-30 2014

JOB NAME

James Walker % Metco  
709 Gillette St  
La Crosse WI 54603

Affordable Auto Care Repair Shop  
15 N Adams St  
New Lisbon WI

CASH  CHECK #  IN-HOUSE ACCOUNT

QUANTITY		DESCRIPTION	QTY.	UNIT PRICE	AMOUNT	
DATE	SHIPPED					
	1	MERBIL 1200	1	274 -	274 -	
	6	Haul soil drums to Advanced Disposal Env. Care Wt	6	103 -	618 -	
	1	Haul water drum to Advanced Disposal Env. Care Wt	1	40 10	40 10	
Thank You						
[Signature]						
					TOTAL	932 10

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

SIGNATURE \_\_\_\_\_

117

Inv. Waste Disposal  
Reviewed 1/5/15  
OK  
[Signature]

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

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

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

**D.3 Photographs**

**D.4 Inspection log**

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

### CAP/BARRIER MAINTENANCE PLAN

January 13, 2017

Property Located at:  
115 N Adams Street  
New Lisbon, WI 53950

WDNR BRRTS# 03-29-555679

TAX KEY# 292610549

#### Introduction

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

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

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

#### Description of Contamination

Soil contaminated by Petroleum Volatile Organic Compounds (PVOCs) and /or Lead is located at a depth of 0-10.5 feet below ground surface (bgs) in the area of the removed UST systems. Groundwater contaminated by PVOCs is located at a depth of 7.82 to 10.50 feet bgs. The extent of the soil and groundwater contamination is shown on Attachment D.2.

#### Description of the Cap/Barrier to be Maintained

The cap/barrier consists of the asphalt (2-3 inches thick) and concrete (4 inches thick) covering the area of soil contamination, as shown on Attachment D.2.

#### Cap/Barrier Purpose

The asphalt and concrete cap/barrier over the contaminated soil and groundwater will act as a barrier to prevent direct human contact with residual soil contamination that might otherwise pose a threat to human health. The cap/barrier also acts as a partial infiltration barrier to minimize future soil-to-groundwater contamination migration that would violate the groundwater

standards in ch. NR 140, Wisconsin Administrative Code. Based on the current and future use of the property, the barrier should function as intended unless disturbed.

#### Annual Inspection

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

A log of the inspections and any repairs will be maintained by the property owner and is included as Form 4400-305 Continuing Obligations and Maintenance Log. The log will include recommendations for necessary repair of any areas where underlying soils are exposed. Once repairs are completed, they will be documented in the inspection log. A copy of the inspection log will be kept at the address of the property owner and available for submittal or inspection by Wisconsin Department of Natural Resources ("WDNR") representatives upon their request.

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

#### Maintenance Activities

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

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

The property owner, in order to maintain the integrity of the asphalt and concrete cap/barrier, 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 Cap/Barrier

The following activities are prohibited on any portion of the property where the cap/barrier is required as shown on the attached map, unless prior written approval has been obtained from the Wisconsin Department of Natural Resources: 1) removal of the existing barrier; 2)

replacement with another barrier; 3) excavating or grading of the land surface; 4) filling on capped or paved areas; 5) plowing for agricultural cultivation; 6) construction or placement of a building or other structure; 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

January 2017

**Current Site Owner and Operator:**

Nathan Properties, LLC  
W8215 County Road B  
New Lisbon, WI 53950  
(608) 562-5329

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

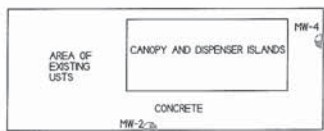
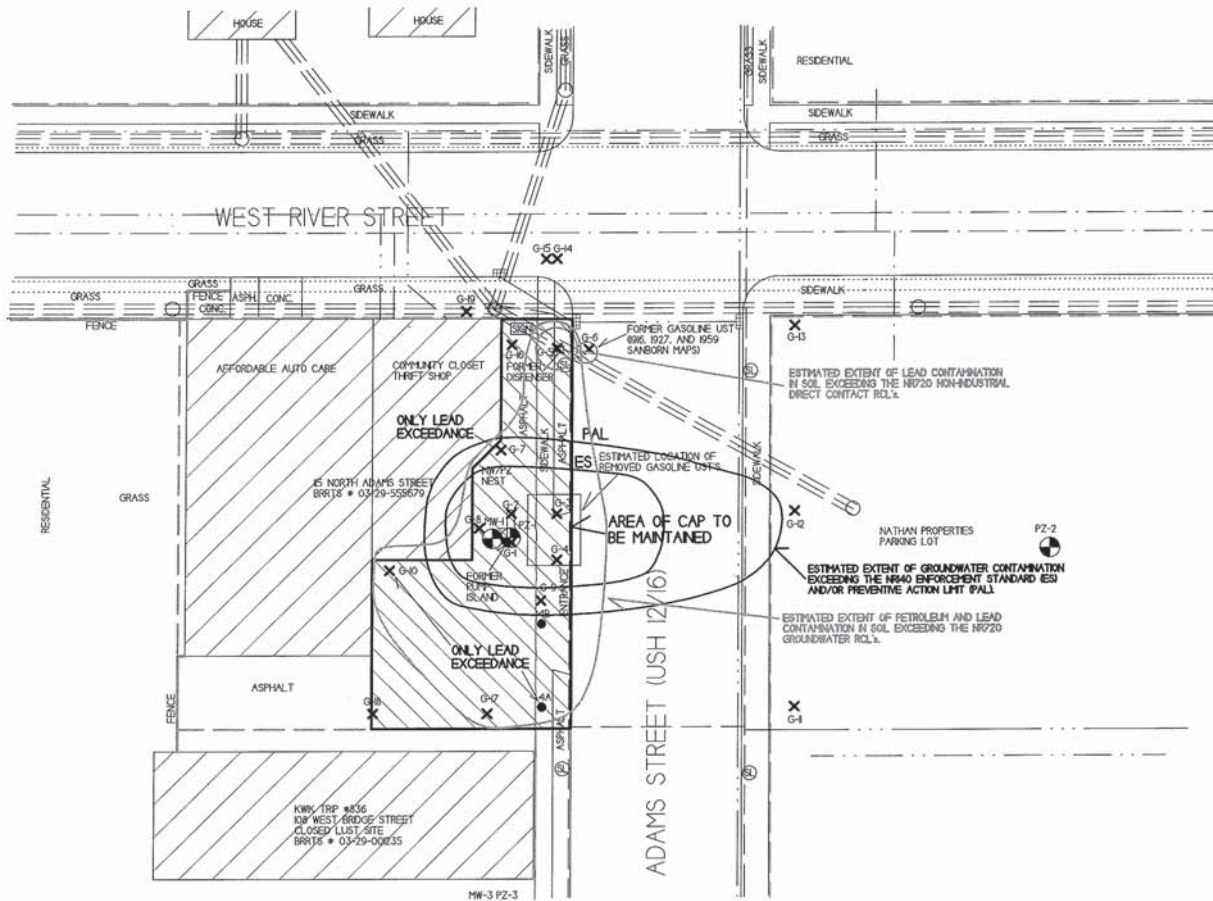
**Consultant:**

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

**WDNR:**

Dee Lance  
473 Griffith Avenue  
Wisconsin Rapids, WI 54494  
(715) 421-7862





**D.2 LOCATION MAP**

**AFFORDABLE AUTO CARE REPAIR SHOP**



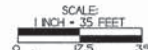
103 Colgate Street, Suite 3  
La Crosse, WI 54603  
Tel: (608) 781-8879  
Fax: (608) 781-8883

**NEW LISBON,  
WISCONSIN**

DRAWN BY: ED    DATE: 8/6/2003  
MODIFIED BY: PH    DATE: 9/7/2005



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



- - P2ESA SOIL BORING LOCATION
- ✕ - GEOPROBE BORING LOCATION
- ⊕ - FORMER MONITORING WELL LOCATION - KWIK TRIP
- ⊗ - MONITORING/PIEZOMETER WELL LOCATION

- PROPERTY BOUNDARY \_\_\_\_\_
- WATER LINE \_\_\_\_\_
- SANITARY SEWER LINE \_\_\_\_\_
- STORM SEWER LINE \_\_\_\_\_
- NATURAL GAS LINE \_\_\_\_\_
- BURIED ELECTRIC LINE \_\_\_\_\_
- BURIED TELEPHONE/CABLE LINE \_\_\_\_\_
- OVERHEAD ELECTRIC LINE \_\_\_\_\_

NOTE: SOIL BORING 4A AND GEOPROBE BORINGS G-7 AND G-10 ONLY SHOWED NR720 GROUNDWATER RCL EXCEEDANCES FOR LEAD.

- ⊗ PZ-2
- ⊗ PZ-1

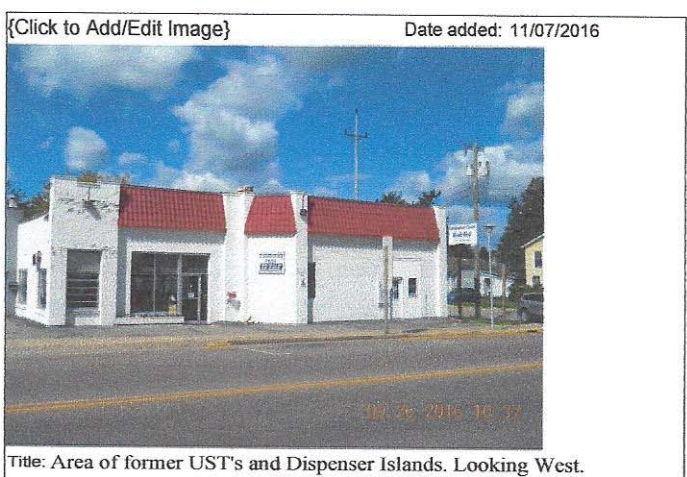
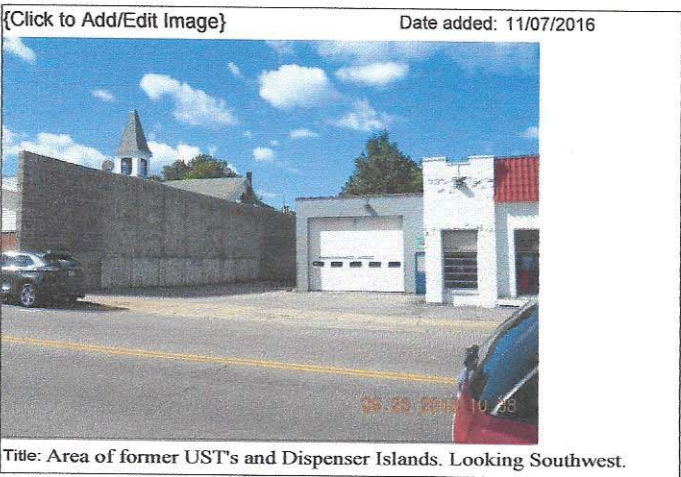
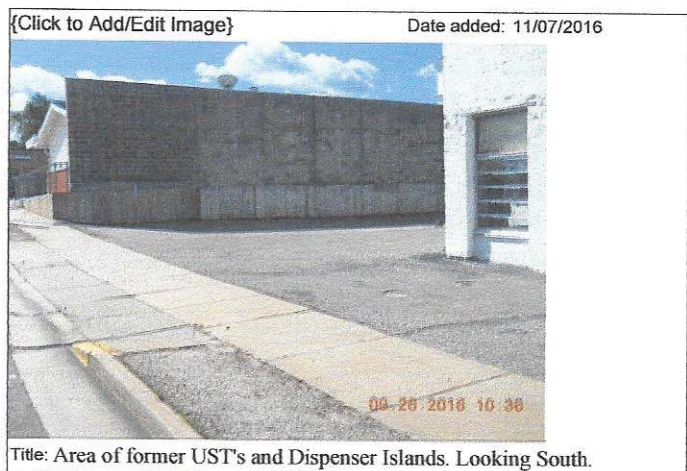
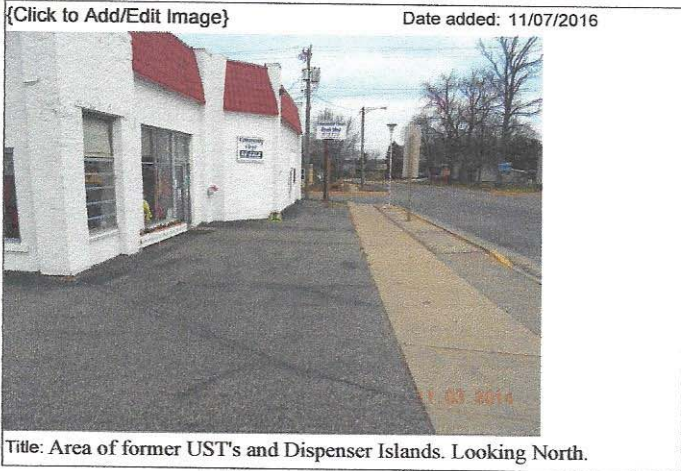
- ⊗ MW-8
- ⊗ PZ-6
- ⊗ PZ-7

- ⊗ MW-4

03-29-555679  
BRRTS No.

Affordable Auto Care Repair Shop  
Activity (Site) Name

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



# D.4 Inspection Log

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

## Continuing Obligations Inspection and Maintenance Log

Form 4400-305 (2/14)

Page 1 of 2

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

Activity (Site) Name <b>Affordable Auto Care Repair Shop</b>	BRRTS No. <b>03-29-555679</b>
---	----------------------------------

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

annually  
 semi-annually  
 other – specify \_\_\_\_\_

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

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

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

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

**Attachment F/Source Legal Documents**

**F.1 Deeds – Source Property**

**F.2 Certified Survey Map**

**F.3 Verification of Zoning**

**F.4 Signed Statement**



# F.2 Certified Survey Map

Village of  
New Lisbon  
Seneca County

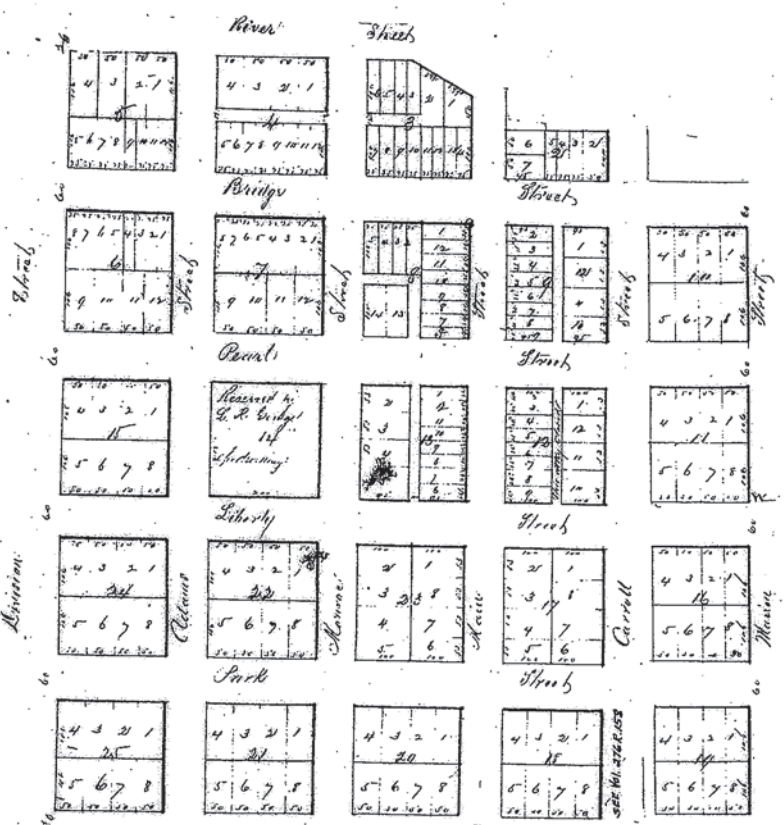
Notes  
All of Marion Street lying East of  
Blocks 10, 11, & 12 from Liberty Street to  
Bridge St. and all of Main Street that  
lies South of the B. Street located by order  
of Circuit Court May 7, 1868 Just Book  
B page 79

State of Wisconsin  
Seneca County, I. Do hereby certify that the above plat  
of the village of New Lisbon  
Seneca County Wisconsin was approved by me  
at the request of the owners and the Street Commissioners  
and after a view of the dimensions specified  
in this plat and that the same is located on the  
South East Quarter of the South West Quarter of  
Section Eight (8) Township Fifteen (15) North of  
Range Three (3) East of the 4th Principal Meridian  
and that the dimensions of the lots and blocks and  
streets and alleys are marked in feet and that the  
Streets are North-South East-West that this  
is a recitation of the Matter of 7th Const.  
L. Van Slyke  
Treasurer

Know all men by these presents that the Union  
Bellevue Andrew Dune, Frank Sore Dune  
Thomas Selby Nelson Reynolds Cloud R.  
George and Lewis George, being the owners  
of the South East Quarter of the South West  
Quarter of Section Eight Township Fifteen 15  
North of Range Three 3 E. the same land  
included in the above plat have caused the  
same to be laid out and surveyed by the title  
of the village of New Lisbon and have caused  
this plat thereof to be made for Record  
to do hereby lay out the lots and streets  
the late Blocks streets and alleys in several  
villages according to this plat the streets  
public use and the alleys for the several  
who own lots in the Blocks in 7th Const.  
are situated and that for the purpose  
Making Measurements to be taken  
in the North East corner of Block 10  
Marked @

In witness whereof we have set our  
hands this 20th day of June 1877  
America  
Andrew Dune  
Frank Sore Dune  
Thomas Selby  
Nelson Reynolds  
George  
Lewis George  
Charles Dune

State of Wisconsin  
Seneca County, I. Do hereby certify  
on this 20th day of June 1877  
that the above named Union  
Bellevue, Andrew Dune, Frank Sore Dune,  
Thomas Selby, Nelson Reynolds, Cloud R.  
George and Lewis George, being the  
acknowledged owners of the  
to be their private use  
and proper persons  
this 20th day of June 1877  
L. Van Slyke  
Treasurer



Rec'd for Record July 15<sup>th</sup> A.D. 1858 10.00 A.M.  
See Order Varying Marion Street Vol. 17 Misc 26.  
See Order Varying same in Record 9 in Vol. 17 Misc 247  
See Affidavit Vol. 19 Misc 35  
See Resolution Varying Park Street between Blocks 16 and 19 in Vol. 27 Misc 111

I certify that the above is a true and correct plat recorded on page 29  
Seneca County Plat Book R  
Dated August 30 1877  
J. J. Johnson  
Clerk of Courts

# F.3 Verification of Zoning



Juneau County Web Portal - Property Summary

Property: 292610549

Search powered by



Report-Print engine  
List & Label Version 19:  
Copyright combi® GmbH  
1991-2013

Tax Year	Prop Type	Parcel Number	Municipality	Property Address	Owner
2016	Real Estate	292610549	261 - CITY OF NEW LISBON	115 N ADAMS ST	NATHAN PROPERTIES LLC

Tax Year Legend:  = owes prior year taxes  = not assessed  = not taxed  Delinquent  Current

## Summary

Property Summary		Property Addresses	
Parcel #:	292610549	<u>Primary</u> ▲	<u>Address</u>
Parcel Status:	Current Description	<input checked="" type="checkbox"/>	115 N ADAMS ST NEW LISBON 53950
Creation Date:		<b>Owners</b>	
Historical Date:		<u>Name</u>	<u>Status</u>
Acres:	0.266	NATHAN PROPERTIES LLC	CURRENT OWNER
<b>Parent Parcels</b>		<b>Child Parcels</b>	
No Parent Parcels were found		No Child Parcels were found	

**Legal Description**  
ORIGINAL PLAT LOTS 1 & 2, BLK 5

**Public Land Survey - Property Descriptions**

Primary	Section ▲	Town	Range	Qtr 40	Qtr 160	Gov Lot	Block	LotType	Lot	Plat
<input checked="" type="checkbox"/>										NOT AVAILABLE

**District**

Code ▲	Description	Category
	JUNEAU COUNTY	OTHER DISTRICT
	LOCAL	OTHER DISTRICT
	STATE OF WISCONSIN	OTHER DISTRICT
3948	SCH D OF NEW LISBON	REGULAR SCHOOL
0200	WWTC	TECHNICAL COLLEGE

## Building Information

**Buildings**  
No buildings to display

## Assessments

**Assessment Summary**  
Legal Acres: 0.266  
Assessment Ratio: 0.0000  
Estimated Fair Market Value: 0

**2016 valuations**

Class	Acres	Land	Improvements	Total
G2 - COMMERCIAL	0.266	19600	189500	209100
<b>ALL CLASSES</b>	<b>0.266</b>	<b>19600</b>	<b>189500</b>	<b>209100</b>



## Taxes

Tax Summary	Bill Address
Taxes have not yet been calculated	NATHAN PROPERTIES LLC W8215 COUNTY RD B NEW LISBON WI 53950

Interest/Penalty Date: 11/04/2016

**Tax History**

Year	Gross Tax	Interest Paid	Penalties Paid	Paid	Last Paid	Status
2015	4979.21	0.00	0.00	4979.21	7/25/2016	Paid
2014	5158.29	0.00	0.00	5158.29	8/4/2015	Paid
2013	5573.89	0.00	0.00	5573.89	7/25/2014	Paid
2012	5206.40	0.00	0.00	5206.40	1/14/2013	Paid
2011	5096.05	655.04	327.53	6078.62	2/28/2013	Paid



### F.4. Signed Statement

WDNR BRRTS Case #: 03-29-555679

WDNR Site Name: Affordable Auto Care Repair Shop

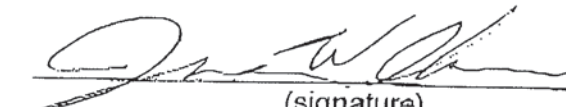
#### Geographic Information System (GIS) Registry of Closed Remediation Sites

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:

James Walker / Member  
(print name/title)

  
(signature) 11-8-16  
(date)

Environmental Consulting, Fuel System Design, Installation and Service

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

- G.1 Deeds – The only property impacted other than the source property is the right-of-way of N Adams Street (STH 16/USH 12).
- G.2 Certified Survey Map – The only property impacted other than the source property is the right-of-way of N Adams Street (STH 16/USH 12).
- G.3 Verification of Zoning – The only property impacted other than the source property is the right-of-way of N Adams Street (STH 16/USH 12).
- G.4 Signed Statement – The only property impacted other than the source property is the right-of-way of N Adams Street (STH 16/USH 12).

**Notification of Continuing Obligations  
and Residual Contamination**

Form 4400-286 (9/15)

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

**KEEP THIS DOCUMENT WITH YOUR PROPERTY RECORDS**

232 W. Pleasant Street  
New Lisbon, WI, 53950

Dear Ulrich:

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

petroleum products

on 115 N Adams Street, New Lisbon, WI, 54603 that has shown that contamination

has migrated into the right-of-way for which city of New Lisbon is responsible.

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

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

The DNR will not review my closure request for at least 30 days after the date of this letter. As an affected right-of-way holder, you have a right to contact the DNR to provide any technical information that you may have that indicates that closure should not be granted for this site. If you would like to submit any information to the DNR that is relevant to this closure request, you should mail that information to the DNR contact: 473 Griffith Avenue, Wisconsin Rapids, WI, 54494, or at [Dee.Lance@wisconsin.gov](mailto:Dee.Lance@wisconsin.gov).

**Residual Contamination:**

***Groundwater Contamination:***

Groundwater contamination originated at the property located at: 115 N Adams Street, New Lisbon, WI, 54603 .

The levels of  
Benzene and Toluene

contamination in the groundwater on your property are above the state groundwater enforcement standards found in ch. NR 140, Wis. Adm. Code.

***Soil Contamination:***

Soil contamination remains at:

The area of the removed UST's

The remaining contaminants include :

Lead, Benzene, Ethylbenzene, Naphthalene, Toluene, Trimethylbenzene, and Xylene.

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

Removal of UST's, associated piping, and dispenser. Residual Contamination will be managed through the use of a Cap Maintenance Plan for the Subject Property and through Natural Attenuation.

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

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

**Notification of Continuing Obligations  
and Residual Contamination**

Form 4400-286 (9/15)

Page 2 of -4

***Residual Soil Contamination:***

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

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

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

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

**GIS Registry and Well Construction Requirements:**

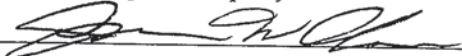
If this site is closed, all properties within the site boundaries where contamination remains, or where a continuing obligation is applied, will be listed on the Bureau for Remediation and Redevelopment Tracking System (BRRTS) on the Web, at <http://dnr.wi.gov/topic/Brownfields/clean.html>. Inclusion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

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

If you have any questions regarding this notification, I can be reached at: (608) 562-5329  
[E-mail]

*Signature of responsible party/environmental consultant for the responsible party*

Date Signed



11-11-2016

**Attachments**

**Contact Information**

**Legal Description for each Parcel:**

**Notification of Continuing Obligations and Residual Contamination**

Form 4400-286 (9/15)

C. I. Page

**The affected property is:**

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

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

**Contact Information**

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

Responsible Party Name Nathan Properties, LLC

Contact Person Last Name Walker	First James	MI	Phone Number (include area code) (608) 562-5329	
Address W8215 County Road B		City New Lisbon	State WI	ZIP Code 53950
E-mail				

**Name of Party Receiving Notification:**

Business Name, if applicable: City of New Lisbon

Title	Last Name Ulrich	First Chris	MI	Phone Number (include area code) (608) 562-3471	
Address 232 W. Pleasant Street		City New Lisbon	State WI	ZIP Code 53950	

**Site Name and Source Property Information:**

Site (Activity) Name Affordable Auto Care Repair Shop

Address 115 N Adams Street		City New Lisbon	State WI	ZIP Code 54603
DNR ID # (BRRTS#) 03-29-555679	(DATCP) ID #			

**Contacts for Questions:**

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

**Environmental Consultant:** METCO

Contact Person Last Name Powell	First Jason	MI	Phone Number (include area code) (608) 781-8879	
Address 709 Gillette Street, Suite 3		City La Crosse	State WI	ZIP Code 54603
E-mail <u>jasonp@metcohq.com</u>				

**Department Contact:**

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

Department of: Natural Resources (DNR)

Address 473 Griffith Avenue		City Wisconsin Rapids	State WI	ZIP Code 54494
Contact Person Last Name Lance	First Dee	MI	Phone Number (include area code) (715) 421-7862	
E-mail (Firstname.Lastname@wisconsin.gov) <u>Dee.Lance@wisconsin.gov</u>				

**SENDER: COMPLETE THIS SECTION**

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

1. Article Addressed to:

Chris Ulrich  
232 W. Pleasant Street  
New Lisbon, WI 53950



9590 9403 0958 5223 6567 70

2. Article Number (Transfer from mailpiece)

7015 1660 0000 4343 4347

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature  Agent  
*USA VINZ*  Addressee

B. Received by (Printed Name) C. Date of Delivery  
*USA VINZ* *12/12/14*

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

*PO Box 218  
New Lisbon, WI  
53950*

3. Service Type
- Adult Signature
  - Adult Signature Restricted Delivery
  - Certified Mail®
  - Certified Mail Restricted Delivery
  - Collect on Delivery
  - Collect on Delivery Restricted Delivery
  - Registered Mail™
  - Registered Mail Restricted Delivery
  - Return Receipt for Merchandise
  - Signature Confirmation™
  - Signature Confirmation Restricted Delivery

**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](mailto: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: Affordable Auto Care Repair Shop

County: Juneau		Highway: STH 16/USH 12	
Address 115 N Adams Street		City New Lisbon	State WI
BRRTS Number: 03-29-555679		PECFA Number: 53-95-0120115	FID Number: 701058270
ZIP Code 53950			

**Owner Information**

Last Name Walker (Nathan Properties, LLC)		First James		MI
Address W8215 County Road B		City New Lisbon	State WI	ZIP Code 53950

**Consultant Information**

Consulting Firm: METCO

Consultant Contact: Last Name Powell		First Jason		MI
Address 709 Gillette Street, Suite 3		City La Crosse	State WI	ZIP Code 54603
Phone Number (608) 781-8879		Fax Number (608) 781-8893		
E-mail <a href="mailto:jasonp@metcohq.com">jasonp@metcohq.com</a>				

**Contamination Information**

Soil contamination?  Yes  No

Depth to contaminated soil:  
2 below ground surface (bgs)

Vertical extent of contaminated soil: (from \_\_\_\_\_ feet to \_\_\_\_\_ feet below ground surface)  
8.5 feet bgs

Groundwater contamination?  Yes  No

Depth to water table:  
7.82 to 10.50 feet bgs

Describe the type(s) of contamination present.

Lead, Benzene, Ethylbenzene, Naphthalene, Toluene, Trimethylbenzene, Xylene

Brief summary of cleanup activity:

Removal of UST's, associated piping, and dispenser. Residual Contamination well be managed through the use of a Cap Maintenance Plan for the Subject Property and through Natural Attenuation.

**Checklist of Documents to Submit**

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

## RE: Notification of Contamination

**Subject:** RE: Notification of Contamination  
**From:** DOT Hazmat Unit <DOTHazmatUnit@dot.wi.gov>  
**Date:** 1/3/2017 2:14 PM  
**To:** 'Matt Michalski' <mattm@metcohq.com>

Thank you Matt, I've received the notification for the Affordable Auto Care Repair Shop, BRRTS # 03-29-555679. Please keep a copy of this email for your files.

Sharlene Te Beest  
Hazardous Materials Specialist

WisDOT- BTS-ESS	<b>Mailing address:</b>	<b>Street address:</b>
Phone 608-266-1476	PO Box 7965, Room 451	4802 Sheboygan Ave
Cell 608-692-4546	Madison, WI 53707-7965	Madison, WI 53705
e-mail sharlene.tebeest@dot.wi.gov		

**From:** Matt Michalski [mailto:mattm@metcohq.com]  
**Sent:** Wednesday, December 28, 2016 2:26 PM  
**To:** DOT Hazmat Unit <DOTHazmatUnit@dot.wi.gov>  
**Subject:** Notification of Contamination

Please see the attached Notification of Contamination for STH 16/USH 12 in New Lisbon.

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Matt Michalski  
**METCO** - Hydrogeologist  
[mattm@metcohq.com](mailto:mattm@metcohq.com) / 608.781.8879  
709 Gillette Street - Suite 3, La Crosse WI 54603  
[www.metcohq.com](http://www.metcohq.com)





July 25, 2017

City of New Lisbon  
Attn: Chris Ulrich  
232 W. Pleasant Street  
New Lisbon, WI 53950

SUBJECT: Notice of Closure Approval with Continuing Obligations for Rights-of-Way Holders for  
115 N. Adams Street, New Lisbon  
Final Case Closure for Affordable Auto Care Repair Shop  
115 N. Adams Street, New Lisbon, WI  
DNR BRRTS Activity #: 03-29-555679

Dear City of New Lisbon:

The Department of Natural Resources (DNR) recently approved the completion of environmental work done at the Affordable Auto Care Repair Shop site. This letter describes how that approval applies to the right-of-way (ROW) at 115 N. Adams Street. As the right-of-way holder, you are responsible for complying with these continuing obligations for any work you conduct in the right-of-way.

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

On December 12, 2016, you received information from METCO about the petroleum – VOC contamination in the ROW from the Affordable Auto Care Repair Shop, located at 115 N. Adams Street, and about the continuing obligations. Continuing obligations are meant to limit exposure to any remaining contamination.

#### Applicable Continuing Obligations

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

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

Groundwater contamination greater than enforcement standards is present both on this contaminated property and off this contaminated property, as shown on the attached map Groundwater Isoconcentration map B.3.b dated 9/7/2016. If you intend to construct a new well, or reconstruct an existing well, you'll need prior DNR approval. Affected property owners and right-of-way holders were notified of the presence of groundwater contamination. This continuing obligation also applies to the City of New Lisbon – 115 N Adams Street and WDOT – USH 12/16.

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

Soil contamination remains in the area of the two former gasoline tanks/island areas as indicated on the attached map Residual Soil Contamination Map B.2.b dated 9/7/2016. If soil in the specific locations described above is excavated in the future, the property owner or right-of-way holder at the time of excavation must sample and analyze the excavated soil to determine if contamination remains. If

sampling confirms that contamination is present, the property owner or right-of-way holder at the time of excavation will need to determine whether the material is considered solid or hazardous waste and ensure that any storage, treatment or disposal is in compliance with applicable standards and rules. Contaminated soil may be managed in accordance with ch. NR 718, Wis. Adm. Code, with prior DNR approval. This continuing obligation also applies to the City of New Lisbon – 115 N Adams Street and WDOT – USH 12/16

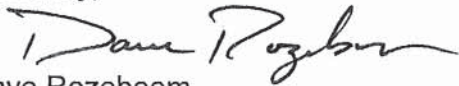
Send all written notifications in accordance with these requirements to DNR, 473 Griffith Avenue, Wisconsin Rapids WI 54494, to the attention of Dee Lance.

Additional Information

Additional information about this case is available at the DNR's Bureau for Remediation and Redevelopment Tracking System (BRRTS) on the Web at <http://dnr.wi.gov/botw/SetUpBasicSearchForm.do>. Enter 03-29-555679 in the **Activity Number** field in the initial screen, then click on **Search**. Scroll down and click on the **GIS Registry Packet** link for information about the completion of the environmental work. The site may also be seen on the map view, RR Sites Map. RR Sites Map can be found at <http://dnr.wi.gov/topic/Brownfields/clean.html>.

Please contact Dee Lance, the DNR Project Manager, at 715-421-7862 or [Dee.Lance@wisconsin.gov](mailto:Dee.Lance@wisconsin.gov) with any questions or concerns.

Sincerely,



Dave Rozeboom,  
West Central Region Team Supervisor  
Remediation & Redevelopment Program

Attachments:

Location Map, 5/15/13, Figure B.1.a  
Cap/Barrier Maintenance Plan, January 13, 2017, D.1  
Inspection Log, Form 4400-305

cc: James Walker, Responsible Party  
Jason Powell, METCO