State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
3911 Fish Hatchery Road
Fitchburg WI 53711-5397

Scott Walker, Governor
Daniel L. Meyer, Secretary
Telephone 608-266-2621
Toll Free 1-888-936-7463
TTY Access via relay - 711

January 2, 2018

Mr. Peter Harkness
301 W Route 30
Rock Falls IL 61071

KEEP THIS DOCUMENT WITH YOUR PROPERTY RECORDS

SUBJECT: Final Case Closure with Continuing Obligations
Countryside Motors, 9764 Old Highway K, Lancaster, WI
DNR BRRTS Activity # 03-22-002037

Dear Mr. Harkness:

The Department of Natural Resources (DNR) considers Countryside Motors 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 South Central Region (SCR) Closure Committee reviewed the request for closure on December 21, 2017. The DNR SCR Closure Committee reviewed this environmental remediation case for compliance with state laws and standards to maintain consistency in the closure of these cases. Well abandonment documentation was received by Email on December 28, 2017.

This site was a former bulk petroleum facility and later a used car lot. Petroleum contamination was found in the soils and groundwater. An excavation of 1,268.28 tons of petroleum contaminated soils was performed. 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.
- Remaining contamination could result in vapor intrusion if future construction activities occur. Future construction includes expansion or partial removal of current buildings as well as construction of new buildings. Vapor control technologies will be required for occupied buildings, unless the property owner assesses the potential for vapor intrusion, and the DNR agrees that vapor control technologies are not needed.

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

GIS Registry

This site will be included on the Bureau for Remediation and Redevelopment Tracking System (BRRTS on the Web) at http://dnr.wi.gov/topic/Brownfields/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 SCR Regional DNR office, at 3911 Fish Hatchery road, Fitchburg, WI. 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 (extent of cap map), Attachment D.2, 02/10/14, 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: Remediation and Redevelopment Program Environmental Program Associate
3911 Fish Hatchery Road
Fitchburg, WI 53711

Residual Groundwater Contamination (ch. NR 140, 812, Wis. Adm. Code)
Groundwater contamination greater than enforcement standards is present on this contaminated property, as shown on the attached map: Groundwater Isoconcentration Map, Attachment B.3.b, 07/29/2011. If you intend to construct a new well, or reconstruct an existing well, you'll need prior DNR approval.

Residual Soil Contamination (ch. NR 718, chs. 500 to 536, Wis. Adm. Code or ch. 289, Wis. Stats.)
Soil contamination remains below four feet as indicated on the attached map: Residual Soil Contamination, Attachment B.2.b, 02/10/14. 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.

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 (extent of cap map), Attachment D.2, 02/10/14, 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.

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.

Vapor Mitigation or Evaluation (s. 292.12 (2), Wis. Stats., s. NR 726.15, s. NR 727.07, Wis. Adm. Code)
Vapor intrusion is the movement of vapors coming from volatile chemicals in the soil or groundwater, into buildings where people may breathe air contaminated by the vapors. Vapor mitigation systems are used to interrupt the pathway, thereby reducing or preventing vapors from moving into the building.

Future Concern: Petroleum contamination remains in soil and/or groundwater at depths greater than four feet, as shown on the attached map: Residual Soil Contamination, Attachment B.2.b, 02/10/14, at levels that may be of concern for vapor intrusion in the future, depending on construction and occupancy of a building. At the time of closure, a garage exists along the northern property boundary. Therefore, before a building is constructed and/or an existing building is modified, the property owner must notify the DNR at least 45 days before the change. Vapor control technologies are required for construction of occupied buildings unless the property owner assesses the vapor pathway and DNR agrees that vapor control technologies are not needed.

Other Closure Information

Sites with Contaminant Concentrations that Meet Soil Standards

Some contamination remains in the soil at depths greater than four feet. If this soil is excavated in the future, the property owner or right-of-way holder at the time of excavation must determine if contamination remains. If 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.

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 Janet DiMaggio at (608) 275-3295, or at janet.dimaggio@wisconsin.gov.

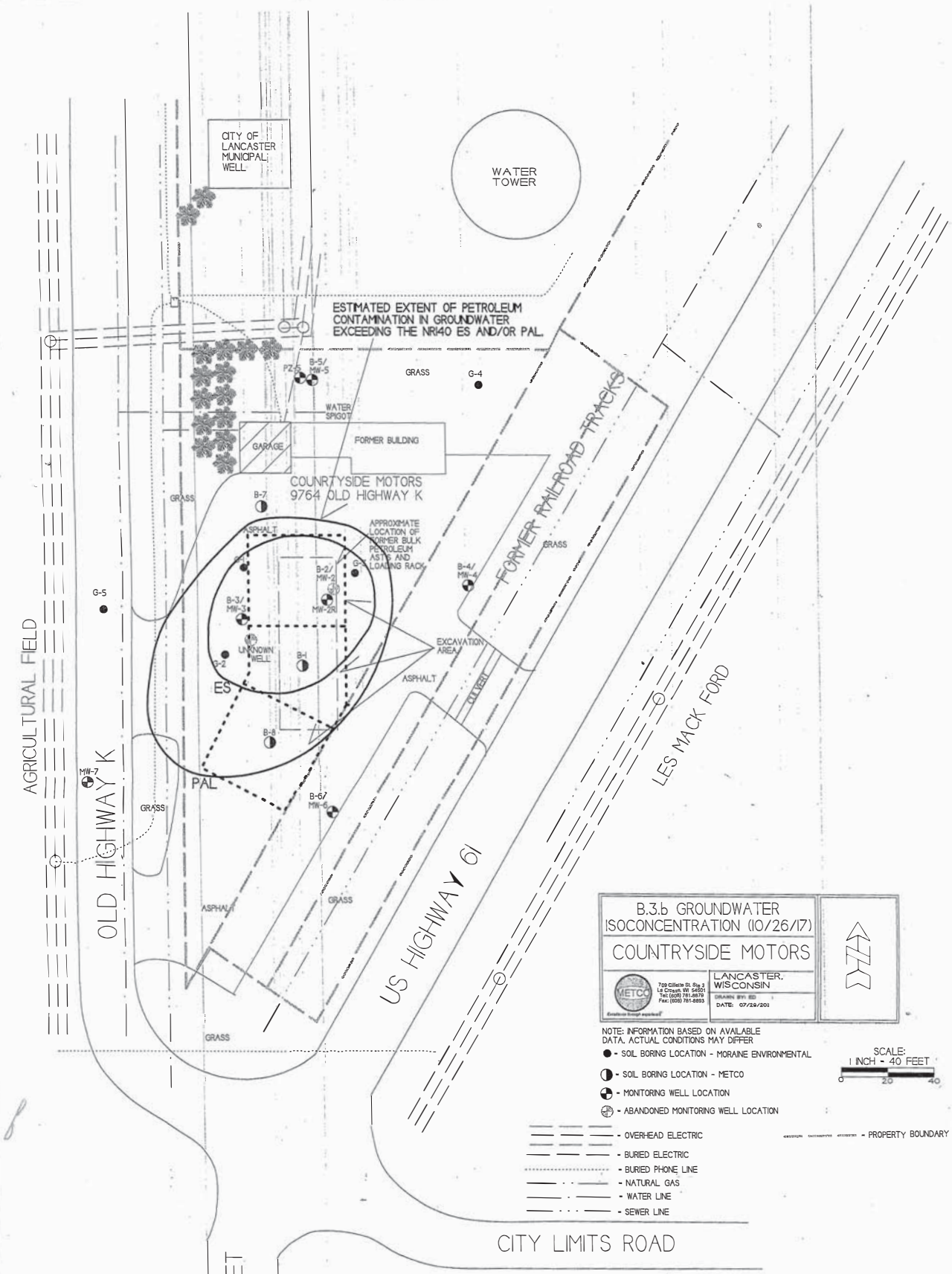
Sincerely,

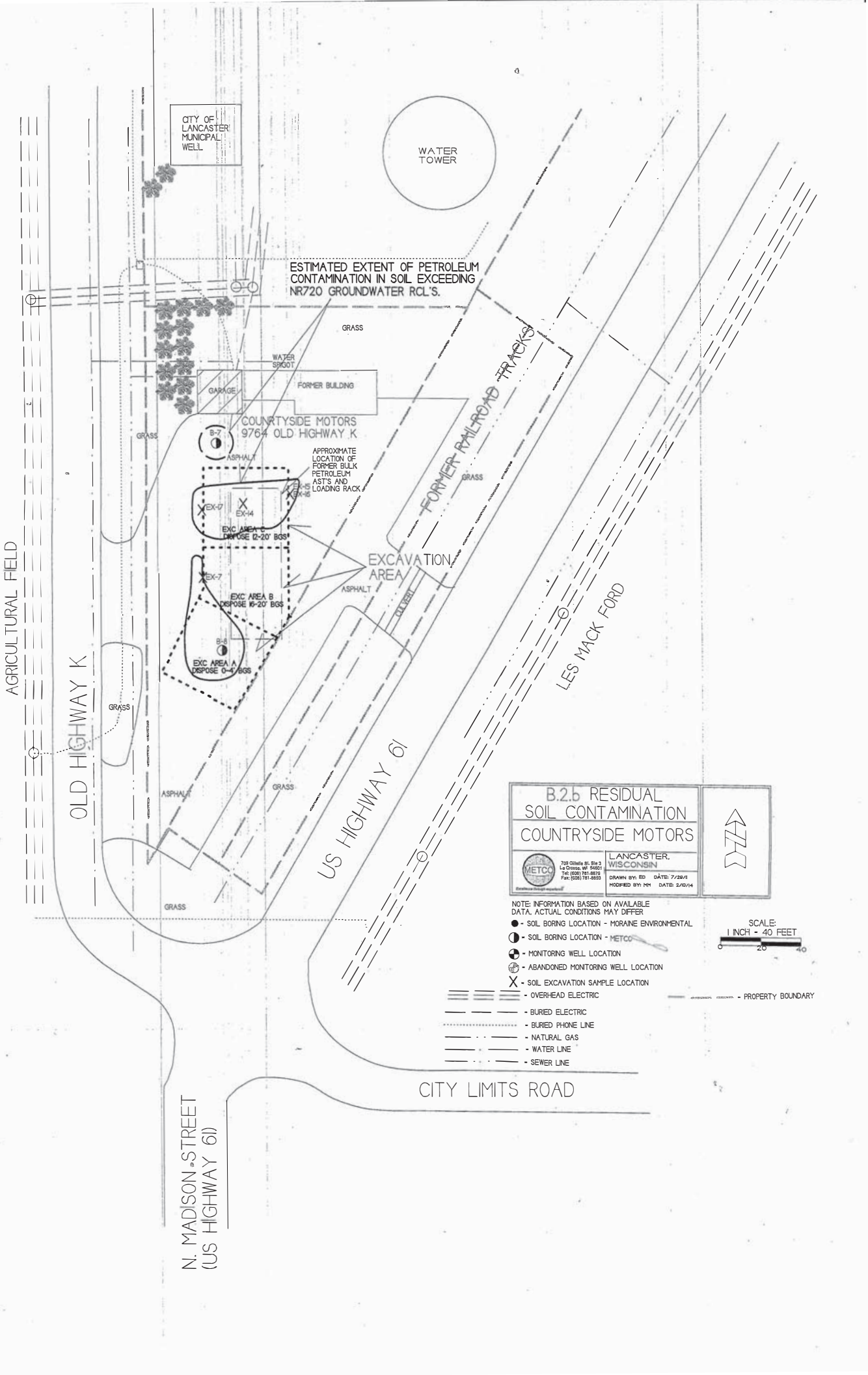
Steven L. Martin, P.G.
South Central Region Team Supervisor
Remediation & Redevelopment Program

Attachments:

- Groundwater Isoconcentration Map, Attachment B.3.b, 07/29/2011
- Residual Soil Contamination, Attachment B.2.b, 02/10/14
- Cap Maintenance Plan, Attachment D.1, November 7, 2017
- Location Map (extent of cap map), Attachment D.2, 02/10/14
- Continuing Obligations Inspection and Maintenance Log, DNR Form 4400-305

cc: Jason Powell, METCO, 700 Gillette St., Ste #3, La Crosse, WI 54603


CITY OF LANCASTER MUNICIPAL WELL
WATER TOWER
ESTIMATED EXTENT OF PETROLEUM CONTAMINATION IN GROUNDWATER EXCEEDING THE NR140 ES AND/OR PAL.
B-5/ MW-5
PZ-5
GRASS
G-4
WATER SPIGOT
GARAGE
FORMER BUILDING
COUNTRYSIDE MOTORS
9764 OLD HIGHWAY K
FORMER RAILROAD TRACKS
B-7
ASPHALT
APPROXIMATE LOCATION OF FORMER BULK PETROLEUM ASTS AND LOADING RACK
B-4/ MW-4
B-2/ MW-2
MW-2R
B-3/ MW-3
G-5
UNKNOWN WELL
B-1
G-2
EXCAVATION AREA
ES
ASPHALT
CULVERT
B-8
PAL
MW-7
B-6/ MW-6
GRASS
AGRICULTURAL FIELD
OLD HIGHWAY K
US HIGHWAY 61
LES MACK FORD
ASPHALT
GRASS
B.3.b GROUNDWATER ISOCONCENTRATION (10/26/17)
COUNTRYSIDE MOTORS
LANCASTER, WISCONSIN
METCO
709 Gillette St. Ste 3
La Crosse, WI 54601
Tel: (608) 781-8878
Fax: (608) 781-8893
DRAWN BY: ED
DATE: 07/29/201
NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER
- SOIL BORING LOCATION - MORAINE ENVIRONMENTAL
- SOIL BORING LOCATION - METCO
- MONITORING WELL LOCATION
- ABANDONED MONITORING WELL LOCATION
SCALE: 1 INCH = 40 FEET
0
20
40
- OVERHEAD ELECTRIC
- BURIED ELECTRIC
- BURIED PHONE LINE
- NATURAL GAS
- WATER LINE
- SEWER LINE
- PROPERTY BOUNDARY
CITY LIMITS ROAD
N. MADISON STREET (US HIGHWAY 61)


CITY OF LANCASTER MUNICIPAL WELL
WATER TOWER
ESTIMATED EXTENT OF PETROLEUM CONTAMINATION IN SOIL EXCEEDING NR720 GROUNDWATER RCL'S.
GRASS
WATER SPIGOT
GARAGE
FORMER BUILDING
COUNTRYSIDE MOTORS
9764 OLD HIGHWAY K
B-7
ASPHALT
APPROXIMATE LOCATION OF FORMER BULK PETROLEUM AST'S AND LOADING RACK
EX-15
EX-16
EX-17
EX-14
EXC AREA C DISPOSE 12-20' BGS
EXCAVATION AREA
EX-7
EXC AREA B DISPOSE 16-20' BGS
B-8
EXC AREA A DISPOSE 0-4' BGS
FORMER RAILROAD TRACKS
OLD HIGHWAY K
AGRICULTURAL FIELD
US HIGHWAY 61
LES MACK FORD
CITY LIMITS ROAD
N. MADISON STREET (US HIGHWAY 61)
B.2.b RESIDUAL SOIL CONTAMINATION
COUNTRYSIDE MOTORS
LANCASTER, WISCONSIN
METCO
709 Gillette St. Ste 3 La Crosse, WI 54601 Tel: (608) 781-8676 Fax: (608) 781-8893
DRAWN BY: ED DATE: 7/20/1
MODIFIED BY: MM DATE: 2/10/14
NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER
- SOIL BORING LOCATION - MORAINE ENVIRONMENTAL
- SOIL BORING LOCATION - METCO
- MONITORING WELL LOCATION
- ABANDONED MONITORING WELL LOCATION
- SOIL EXCAVATION SAMPLE LOCATION
- OVERHEAD ELECTRIC
- BURIED ELECTRIC
- BURIED PHONE LINE
- NATURAL GAS
- WATER LINE
- SEWER LINE
- PROPERTY BOUNDARY
SCALE: 1 INCH = 40 FEET
0
20
40

D.1 Description of Maintenance Action(s)

CAP MAINTENANCE PLAN

November 7, 2017

Property Located at:
9764 Old Highway K
Lancaster, WI 53813

WDNR BRRTS# 03-22-002037

TAX KEY# 044-00787-0000

Introduction

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

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

- The case file in the DNR South 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 Grant County.

Description of Contamination

Soil contaminated by Petroleum Volatile Organic Compounds (PVOCs) is located at a depth of 8-20.5 feet below ground surface (bgs) in the area of the former AST system and loading rack. Groundwater contaminated by PVOCs is located at a depth of 26-32 feet bgs in the area of the former AST system and loading rack. The extent of the soil and groundwater contamination is shown on Attachment D.2.

Description of the Cap to be maintained

The Cap covers four small areas of soil and groundwater contamination, which consists of asphalt (approximately 6 inches thick), as shown on Attachment D.2.

Cover Barrier Purpose

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

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

Maintenance Activities

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

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

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

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

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

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.

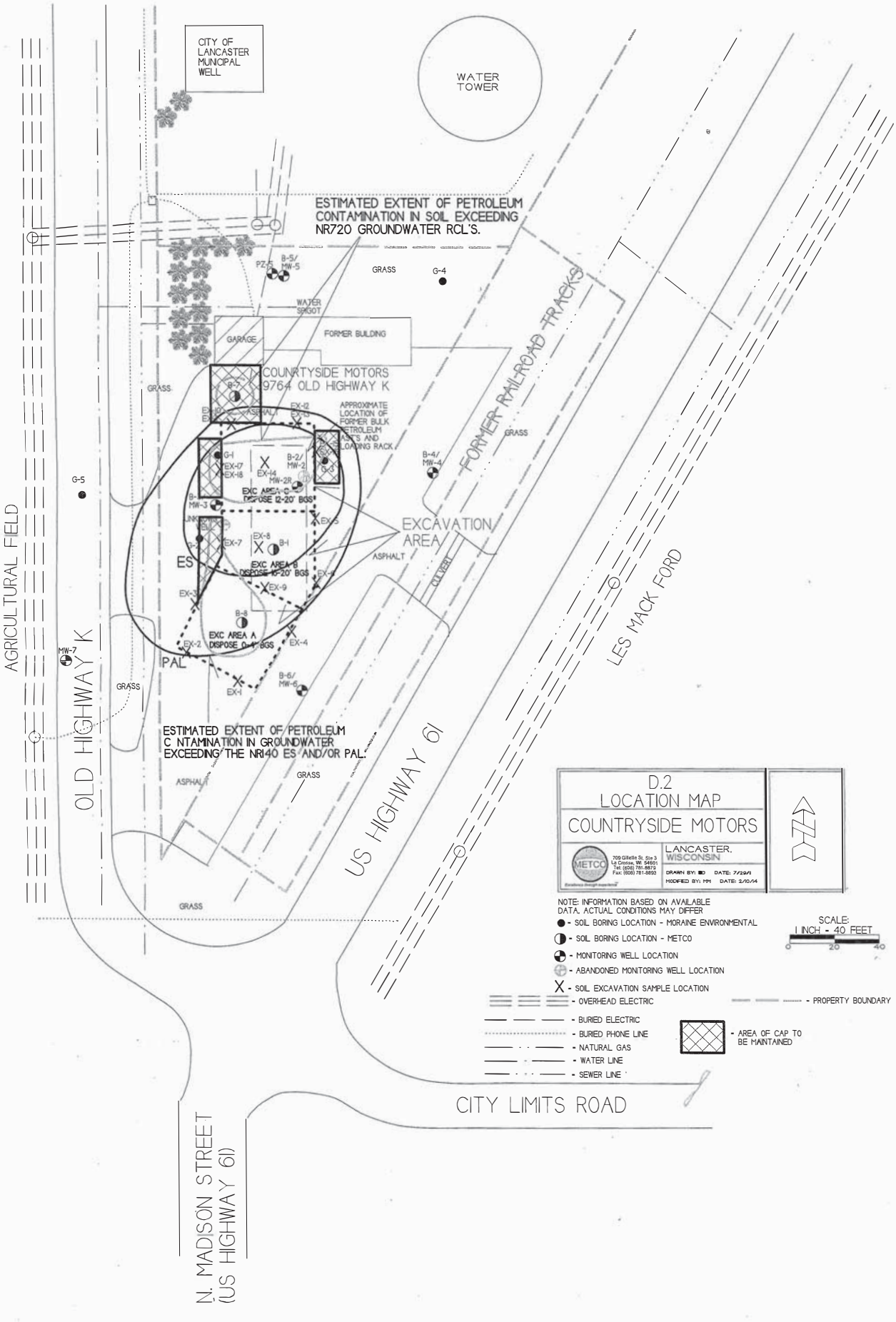
Contact Information
November 2017

Current Site Owner and Operator:
Pete Harkness
301 W. Route 30
Rock Falls, IL 61071

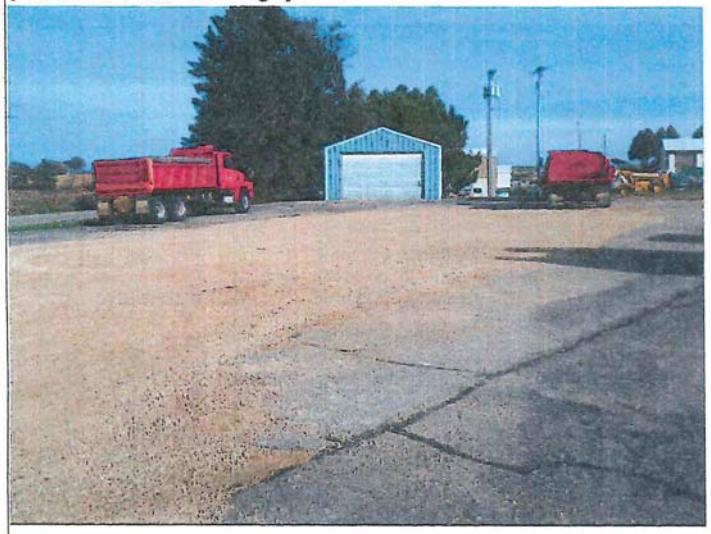
Signature: _____
(DNR may request signature of affected property owners, on a case-by-case basis)

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

WDNR:
Janet DiMaggio
3911 Fish Hatchery Rd
Fitchburg, WI 53711
(608) 275-3295


CITY OF LANCASTER MUNICIPAL WELL
WATER TOWER
ESTIMATED EXTENT OF PETROLEUM CONTAMINATION IN SOIL EXCEEDING NR720 GROUNDWATER RCL'S.
PZ-5
B-5/ MW-5
GRASS
G-4
WATER SPIGOT
GARAGE
FORMER BUILDING
COUNTRYSIDE MOTORS
9764 OLD HIGHWAY K
B-7
APPROXIMATE LOCATION OF FORMER BULK PETROLEUM TANK'S AND LOADING RACK
FORMER RAILROAD TRACKS
G-1
G-3
B-2/ MW-2
B-4/ MW-4
G-5
B-MW-3
EXC AREA-C DISPOSE 12-20' BGS
EXCAVATION AREA
ASPHALT
EXC AREA-B DISPOSE 10-20' BGS
EXC AREA A DISPOSE 0-4' BGS
B-8
B-1
B-6/ MW-6
MW-7
AGRICULTURAL FIELD
OLD HIGHWAY K
US HIGHWAY 61
LES MACK FORD
ESTIMATED EXTENT OF PETROLEUM CONTAMINATION IN GROUNDWATER EXCEEDING THE NR140 ES AND/OR PAL.
CITY LIMITS ROAD
N. MADISON STREET (US HIGHWAY 61)
D.2
LOCATION MAP
COUNTRYSIDE MOTORS
LANCASTER, WISCONSIN
METCO
709 Gillette St, Ste 3 La Crosse, WI 54601 Tel: (608) 781-9879 Fax: (608) 781-5893
DRAWN BY: BD DATE: 7/29/1
MODIFIED BY: MM DATE: 2/10/14
NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER
- SOIL BORING LOCATION - MORAINE ENVIRONMENTAL
- SOIL BORING LOCATION - METCO
- MONITORING WELL LOCATION
- ABANDONED MONITORING WELL LOCATION
- SOIL EXCAVATION SAMPLE LOCATION
- OVERHEAD ELECTRIC
- BURIED ELECTRIC
- BURIED PHONE LINE
- NATURAL GAS
- WATER LINE
- SEWER LINE
- PROPERTY BOUNDARY
- AREA OF CAP TO BE MAINTAINED
SCALE: 1 INCH = 40 FEET
0
20
40

{Click to Add/Edit Image} Date added: 11/07/2017



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

{Click to Add/Edit Image} Date added: 11/07/2017

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

{Click to Add/Edit Image} Date added: 11/07/2017

Title: Photo #3: Area of cap to be maintained (looking east)

{Click to Add/Edit Image} Date added: 11/07/2017

Title: Photo #4: Area of cap to be maintained (looking south)

D.S Photographs

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: Countryside Motors

BRRTS No.: 03-22-002037

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):

D.4 Inspection Log

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

From: DiMaggio, Janet H - DNR [mailto:Janet.DiMaggio@wisconsin.gov]
Sent: Thursday, December 21, 2017 1:46 PM
To: Jason Powell, METCO - Staff Scientist (jasonp@metcohq.com); Ron Anderson, METCO - Environmental Division (rona@metcohq.com)
Cc: Jeff Gruetzmacher
Subject: Remaining Actions Needed for Countryside Motors, Lancaster

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This email was originated from an outside source. Please confirm that you know who the sender is and that the content is safe before clicking on links and opening attachments.

Jason,

The closure committee has reviewed the closure request and agreed that the following remaining actions are needed:

1. Monitoring well abandonment and
2. Any purge water, waste and soil pile removal.

Please provide the appropriate documentation to my attention once these actions have been completed. We will need one final complete compact disk or other approved e-format submittal of the closure request and the above required documentation.

Once this information is received, a final closure letter will be issued which will require a cap and maintenance plan for groundwater infiltration and with the following language regarding potential vapor intrusion risk for new buildings:

> "Therefore, before a building is constructed and/or an existing building is modified, the property owner must notify the DNR at least 45 days before the change. Vapor control technologies are required for construction of occupied buildings unless the property owner assesses the vapor pathway and DNR agrees that vapor control technologies are not needed."

If you have any questions, you may contact me at the phone number or email below.

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

Janet DiMaggio
Hydrogeologist, Bureau for Remediation and Redevelopment/Environmental Management Division
Wisconsin Department of Natural Resources
3911 Fish Hatchery Road, Fitchburg, WI 53711
Phone: (608) 275-3295
janet.dimaggio@wisconsin.gov

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

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.
03-22-002037	

Parcel ID No.
044-00787-0000

FID No.	WTM Coordinates X	WTM Coordinates Y
	462057	265332

BRRTS Activity (Site) Name
Countryside Motors

WTM Coordinates Represent: ☒ Source Area ☐ Parcel Center

Site Address	City	State	ZIP Code
9764 Old Highway K	Lancaster	WI	53813

Acres Ready For Use
0.5

Responsible Party (RP) Name
Pete Harkness

Company Name

Mailing Address	City	State	ZIP Code
301 W. Route 30	Rock Falls	IL	61071

Phone Number	Email
(815) 499-6650	peteharkness@peteharkness.com

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

Environmental Consultant Name
Ron Anderson

Consulting Firm
METCO

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

Phone Number	Email
(608) 781-8879	rona@metcohq.com

Fees and Mailing of Closure Request

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

   ☒ $1,050 Closure Fee

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

   ☒ $300 Database Fee for Soil

   Total Amount of Payment $ $1,700.00

   ☐ Resubmittal, Fees Previously Paid

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

Site Summary

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

1. General Site Information and Site History

A. Site Location: Describe the physical location of the site, both generally and specific to its immediate surroundings.
The Countryside Motors site, 9764 Old Highway K, is located in the SE 1/4, SE 1/4, Section 34, Township 5 North, Range 3 West, in the City of Lancaster, Grant County, Wisconsin. The subject property is bound by the city of Lancaster Shop and municipal well to the north, Old Highway K to the west, US Highway 61 to the east, and the intersection of Old Highway K/ US Highway 61 to the south.

B. Prior and current site usage: Specifically describe the current and historic occupancy and types of use.
A bulk petroleum storage facility existed on the subject property from approximately the 1930's until the late 1960's or early 1970's. The facility consisted of six above ground storage tanks, approximately 10,000 gallons each, which stored gasoline, diesel, and fuel oil. All remnants of the former bulk petroleum facility have been removed from the subject property and a used car lot occupied the property until several years ago.

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 Grant County GIS property assessment, the Countryside Motors site located at 9764 Old Highway K is zoned "G-2: Commercial". The neighboring properties to the south (across Old Highway K/US Highway 61 intersection) and east (across US Highway 61) are also zoned "G-2: Commercial". The neighboring property to the north is zoned "X-4: Other". The neighboring property to the west (across Old Highway K) is zoned "G-4: Agricultural".

D. Describe how and when site contamination was discovered.
On September 14, 1993, Moraine Environmental completed five Geoprobe borings at the subject property during a Preliminary Subsurface Investigation. The Geoprobe borings were advanced to depths ranging from 18 to 34 feet with continuous soil samples collected for field analysis (PID and/or Total BTEX). Select soil samples from the areas of the highest PID readings were submitted to a laboratory for DRO and GRO analysis. Petroleum contamination was confirmed in three of the soil borings (G-1, G-2, and G-3) and subsequently reported to the WDNR. The WDNR then required that a site investigation be conducted at the Countryside Motors property.

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

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

G. List BRRTS activity/site name and number for BRRTS activities at this source property, including closed cases.
No other BRRTS activities exist at the source property.

H. List BRRTS activity/site name(s) and number(s) for all properties immediately adjacent to (abutting) this source property.
A closed LUST case existed on the adjacent property to the north, Lancaster City (BRRTS case # 03-22-000381). The LUST case was closed on August 15, 2008.

2. General Site Conditions

A. Soil/Geology

i. Describe soil type(s) and relevant physical properties, thickness of soil column across the site, vertical and lateral variations in soil types.
Geologic material in the area of investigation generally consists of of the following in downward stratigraphic order:
- From surface to depths ranging from 15 to 22 feet below ground surface (bgs) exists a orange to tan to brown to green silt to clay to sandy clay.
- Tan very fine to fine grained sand (weathered bedrock) was encountered to depths ranging from 15 to 22.5 feet bgs.

ii. Describe the composition, location and lateral extent, and depth of fill or waste deposits on the site.
Fill material was not encountered during the site investigation.

iii. Describe the depth to bedrock, bedrock type, competency and whether or not it was encountered during the investigation.
Competent bedrock consisting of tan very fine to fine grained sandstone was encountered at depths ranging from 18.5 to 22.5 feet bgs and extends to at least 61 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).
With the exception of the on-site building, the majority of the property is covered by asphalt and gravel (excavation area). The northern portion of the property is covered by grass and a few trees.

B. Groundwater

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

Groundwater exists at approximately 26.47 to 32.74 feet below ground surface depending on well location and time of year. Groundwater exists at approximately 27.22 to 31.75 in piezometer PZ-5 depending on the time of year. Free product has never been encountered at the site. The stratigraphic unit where the water table is found consists of sandstone bedrock.

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

Groundwater elevations measured in the monitoring wells indicated a local groundwater flow direction to be predominately towards the south to southwest. Groundwater flow deeper in the aquifer is unknown, as only one piezometer was installed during the investigation.

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

Slug tests were not conducted during the site investigation. However, based on the boring logs from the Drilling Projects, it is known that the water table is located within a very fine to fine grained sandstone bedrock. Book values for the hydraulic conductivity of this material range from 3.00E-8 cm/sec to 6.00E-4 cm/sec. Based on eight rounds of groundwater monitoring the average horizontal hydraulic gradient is 1.69E-2. Using these values the flow velocity ranges from 5.33E-4 to 10.66745 m/year.

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

The City of Lancaster municipal well (Well #1) exists approximately 100 feet to the north (up/side-gradient) of the subject property. In July 2017, the WDNR granted approval to the City of Lancaster for the rehabilitation of the municipal well. The municipal well and pump was rehabilitated shortly after. Well construction documentation including the well construction form for the original well and a boring log showing both the original well and the rehabilitated well dimensions is provided in Attachment B (B.4.c Other). No private potable wells are known to exist in the area of the subject property.

3. Site Investigation Summary

A. General

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

On September 14, 1993, Moraine Environmental, Inc. (MEI) conducted a preliminary subsurface investigation. Eight Geoprobe borings (G-1 thru G-5) were completed with thirty-one soil samples collected for field and/or laboratory analysis. Upon completion, the boreholes were properly abandoned. (Preliminary Subsurface Investigation - October 25, 1993)

On September 21-22 & 26, 2011, Ground Source Inc. of De Pere, WI conducted a Drilling Project under the direction and supervision of METCO personnel. Nine soil borings (B-1 through B-8 and PZ-5) were completed, five of which were installed as monitoring wells (MW-2 through MW-6) and one piezometer (PZ-5). Fifty-six soil/bedrock samples were collected for field and/or laboratory analysis. Upon completion, the monitoring wells and piezometer were properly developed. During the drilling project a pre-existing monitoring well (Unknown Well) was located on the subject property. (Site Investigation Report - February 24, 2014)

On February 20, 2012, METCO personnel collected groundwater samples from the six monitoring wells (MW-2 through MW-6 & Unknown Well), one piezometer (PZ-5), and the municipal well for field and/or laboratory analysis. Field measurements for water level, Dissolved Oxygen, pH, ORP, temperature, and Specific Conductivity were collected from all sampled monitoring/piezometer wells. During the groundwater sampling event, Fauerbach Surveying & Engineering surveyed the monitoring wells to feet mean sea level. (Site Investigation Report - February 24, 2014)

On May 21-22, 2012, METCO personnel collected groundwater samples from the six monitoring wells (MW-2 through MW-6 & Unknown Well), one piezometer (PZ-5), and the municipal well for field and/or laboratory analysis. Field measurements for water level, Dissolved Oxygen, pH, ORP, temperature, and Specific Conductivity were collected from all sampled monitoring/piezometer wells. (Site Investigation Report - February 24, 2014)

On May 8, 2013, Ground Source Inc. of De Pere, WI conducted a Drilling Project under the direction and supervision of METCO personnel. One soil boring and installation of one monitoring well (MW-7) was completed. Nine soil/bedrock samples were collected for field analysis. Upon completion, the monitoring well was properly developed. (Site Investigation Report - February 24, 2014)

On August 12, 2013, METCO personnel collected groundwater samples from six monitoring wells (MW-2 through MW-7), one piezometer (PZ-5), and the municipal well for field and/or laboratory analysis. Field measurements for water level, Dissolved Oxygen, pH, ORP, temperature, and Specific Conductivity were collected from all sampled monitoring/piezometer wells. During the groundwater sampling event monitoring well MW-7 was surveyed to feet mean sea level by METCO personnel. (Site Investigation Report - February 24, 2014)

On November 12, 2013, METCO personnel collected groundwater samples from six monitoring wells (MW-2 through MW-7), one piezometer (PZ-5), and the municipal well for field and/or laboratory analysis. Field measurements for water level, Dissolved Oxygen, pH, ORP, temperature, and Specific Conductivity were collected from all sampled monitoring/piezometer wells. (Site Investigation Report - February 24, 2014)

On October 11-14, 2015, DKS Construction Services, Inc. of Menomonie, Wisconsin conducted a Soil Excavation Project under the supervision and direction of METCO personnel. Eighteen soil samples were collected from the sidewalls and bottom of the excavation for laboratory analysis. During the excavation project, 1,268.28 tons of petroleum-contaminated soil was excavated and hauled to the Madison Prairie Landfill of Sun Prairie, Wisconsin for proper disposal. During the Excavation Project, the "Unknown" monitoring well and monitoring well MW-2 were properly abandoned. (Soil Excavation Report - February 12, 2016)

On April 5, 2016, Ground Source Inc., of De Pere, Wisconsin conducted a Drilling project under the supervision and direction of METCO personnel. One monitoring well (MW-2R) was blind drilled and installed to 38 feet below ground surface (bgs) with a 15 foot screen. Upon completion, monitoring well MW-2R was properly developed. (Letter Report - November 2017)

On May 11, 2016, METCO personnel collected groundwater samples from seven monitoring/piezometer wells (MW-2R, -3, -4, -5, -6, -7, and PZ-5) and the Municipal Well for field and/or laboratory analysis. Field measurements for water level, Dissolved Oxygen, pH, ORP, temperature, and Specific Conductivity were collected from all sampled monitoring wells. During the groundwater sampling event, METCO personnel surveyed the newly installed monitoring well (MW-2R) to feet mean sea level (MSL). (Letter Report - November 2017)

On November 2, 2016, METCO personnel collected groundwater samples from seven monitoring/piezometer wells (MW-2R, -3, -4, -5, -6, -7, and PZ-5) and the Municipal Well for field and/or laboratory analysis. Field measurements for water level, Dissolved Oxygen, pH, ORP, temperature, and Specific Conductivity were collected from all sampled monitoring wells. (Letter Report - November 2017)

On May 2, 2017, METCO personnel collected groundwater samples from seven monitoring/piezometer wells (MW-2R, -3, -4, -5, -6, -7, and PZ-5) and the Municipal Well for field and/or laboratory analysis. Field measurements for water level, Dissolved Oxygen, pH, ORP, temperature, and Specific Conductivity were collected from all sampled monitoring wells. (Letter Report - November 2017)

On October 26, 2017, METCO personnel collected groundwater samples from two monitoring wells (MW-2R and MW-3 only, as requested by the state) for field and/or laboratory analysis. Field measurements for water level, Dissolved Oxygen, pH, ORP, temperature, and Specific Conductivity were collected from the sampled monitoring wells only. Water level measurements were also collected from five additional monitoring/piezometer wells (MW-4 thru MW-7 and PZ-5). (Letter Report - November 2017)

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.

The extent of petroleum contamination in soil and groundwater does not appear to extend beyond the source 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.

Three areas of unsaturated soil contamination, which exceed the NR720 Groundwater RCL values, exist in the area of the former AST's and loading rack. The first area exists near "Area C" of the soil excavation and appears to measure up to 52 feet long, up to 27 feet wide, and exists from 13-20.5 feet bgs. The second area exists near "Area A and Area B" of the soil excavation and appears to measure up to 60 feet long, up to 30 feet wide, and exists from 12-20 feet bgs. An area of unsaturated soil contamination, which exceeds the NR720 Groundwater RCL values also exists in the area of soil boring B-7. This circular shaped area appears to measure up to 17 feet in diameter and exists at approximately 8 feet bgs.

The extent of petroleum contamination in unsaturated soil exceeding the NR720 RCL's does not come into contact with any utility corridors or extend up to or underneath any buildings.

ii. Describe the concentration(s) and types of soil contaminants found in the upper four feet of the soil column.
There is no residual soil contamination within the upper four feet of the soil column exceeding the NR720 RCL's.

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 "G:2 - 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/or PAL has formed at the watertable in the area of the former AST's and loading rack and has migrated toward the south to southwest. This plume is approximately 129 feet long and up to 88 feet wide.

A natural gas line and a buried phone line exist in the area of the groundwater contamination plume. Buried electric and phone lines typically exist within 30 inches of ground surface and backfilled with native soil. Due to the depth to groundwater in this area (approximately 26-32 feet bgs), these do not appear to be acting as potential contaminant migration pathways.

The City of Lancaster municipal well exists approximately 100 feet to the north (up/side-gradient) of the subject property. No private potable wells are known to exist in the area of the subject property. The City of Lancaster municipal well has been sampled eight times by METCO during the investigation, which all showed no detects for the compounds analyzed.

The extent of the groundwater contamination exceeding the NR140 ES and/or PAL does not extend up to or underneath any buildings.

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.

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.
Concerning the potential for vapor intrusion into the on-site structure (garage), there does not appear to be any risk to the building for the following reasons:
a) Benzene levels in groundwater are significantly less than 1,000 ppb and depth to groundwater is approximately 28-30 feet bgs.
b) Free product has not been encountered at the subject property.
c) Soil and groundwater contamination does not extend up to or underneath the building.

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 air or sub slab vapor samples were collected.

E. Surface Water and Sediment

i. Identify whether surface water and/or sediment was assessed and describe the impacts found. If this pathway was not assessed, explain why.
The nearest surface water is an intermittent stream, which exists approximately 2,000 feet to the west of the subject property. Currently, it does not appear that the petroleum contamination has migrated to any surface waters.

ii. Identify any surface water and/or sediment action levels used to assess the impacts for this pathway and how these were derived. Describe where the DNR action levels were reached or exceeded.
No surface water or sediment samples were collected.

4. Remedial Actions Implemented and Residual Levels at Closure

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

On October 11-14, 2015, DKS Construction Services, Inc. of Menomonie, Wisconsin conducted a Soil Excavation Project under the supervision and direction of METCO personnel. During the excavation project, 1,268.28 tons of petroleum-contaminated soil was excavated and hauled to the Madison Prairie Landfill of Sun Prairie, Wisconsin for proper disposal.

The excavation was conducted in the area south of the former on-site building and included the area of the former bulk petroleum AST's and loading rack. The excavation area consisted of three rectangular shaped areas (Area "A", Area "B", and Area "C"), as shown on the attached Soil Excavation Map. Measurements to these three areas are as follows:

Area A: 40' long x 42' wide x 4' deep
Area B: 25-45' long x 42' wide x 20' deep (disposed of soil from 16-20 feet bgs)
Area C: 42' long x 40' wide x 20' deep (disposed of soil from 12-20 feet bgs)

Approximately sixteen feet of clean overburdon from area "B" and twelve feet of clean overburdon from area "C" (totaling approximately 2,310 tons) was segregated, set aside, and returned to the excavation as backfill material.

Eighteen soil samples were collected from the sidewalls and bottom of the excavation for PVOC and Naphthalene analysis. Four samples were collected at 3.5 feet bgs, four samples were collected at 13 feet bgs, and eight samples were collected at 18 feet bgs from the sidewalls. The two bottom samples were collected at 20.5 feet bgs.

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.

On October 11-14, 2015, DKS Construction Services, Inc. of Menomonie, Wisconsin conducted a Soil Excavation Project under the supervision and direction of METCO personnel. During the excavation project, 1,268.28 tons of petroleum-contaminated soil was excavated and hauled to the Madison Prairie Landfill of Sun Prairie, Wisconsin for proper disposal.

The excavation was conducted in the area south of the former on-site building and included the area of the former bulk petroleum AST's and loading rack. The excavation area consisted of three rectangular shaped areas (Area "A", Area "B", and Area "C"), as shown on the attached Soil Excavation Map. Measurements to these three areas are as follows:

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Approximately sixteen feet of clean overburdon from area "B" and twelve feet of clean overburdon from area "C" (totaling approximately 2,310 tons) was segregated, set aside, and returned to the excavation as backfill material.

Eighteen soil samples were collected from the sidewalls and bottom of the excavation for PVOC and Naphthalene analysis. Four samples were collected at 3.5 feet bgs, four samples were collected at 13 feet bgs, and eight samples were collected at 18 feet bgs from the sidewalls. The two bottom samples were collected at 20.5 feet bgs.

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.
METCO did consider landspreading of contaminated soil, however due to the PAH's and likelyhood of a nearby farmer accepting the material this option was not used.

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.
Three areas of unsaturated soil contamination, which exceed the NR720 Groundwater RCL values, exist in the area of the former AST's and loading rack. The first area exists near "Area C" of the soil excavation and appears to measure up to 52 feet long, up to 27 feet wide, and exists from 13-20.5 feet bgs. The second area exists near "Area A and Area B" of the soil excavation and appears to measure up to 60 feet long, up to 30 feet wide, and exists from 12-20 feet bgs. An area of unsaturated soil contamination, which exceeds the NR720 Groundwater RCL values also exists in the area of soil boring B-7. This circular shaped area appears to measure up to 17 feet in diameter and exists at approximately 8 feet bgs.

A dissolved phase contaminant plume exceeding the NR140 ES and/or PAL has formed at the watertable in the area of the former AST's and loading rack and has migrated toward the south to southwest. This plume is approximately 129 feet long

and up to 88 feet wide.

The extent of petroleum contamination in soil and groundwater does not appear to extent beyond the source 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.
No soil samples above the observed low water table currently exceed the NR720 Non-Industrial Direct Contact RCL's.

G. Describe the residual soil contamination that is above the observed low water table that attains or exceeds the soil standard(s) for the groundwater pathway.
Soil samples above the observed low water table which currently exceed NR720 RCLs include:

B-7-2: Naphthalene (0.680 ppm) at 8 feet bgs
B-8-3: Benzene (0.076 ppm), Naphthalene (0.980 ppm), and Trimethylbenzenes (1.63 ppm) at 12 feet bgs
B-8-4: Benzene (0.490 ppm) and Trimethylbenzenes (1.9 ppm) at 16 feet bgs
B-8-5: Benzene (0.294 ppm) and Naphthalene (3.3 ppm) at 20 feet bgs
EX-7: Benzene (0.36 ppm) at 18 feet
EX-14: Benzene (1.71 ppm), Ethylbenzene (13.2 ppm), Naphthalene (4.9 ppm), Toluene (1.77 ppm), Trimethylbenzenes (69.5 ppm), and Xylene (70.3 ppm) at 20.5 feet
EX-15: Benzene (0.076 ppm) at 13 feet
EX-16: Benzene (0.42 ppm), Ethylbenzene (3.16 ppm), Naphthalene (5.6 ppm), Trimethylbenzenes (38.2 ppm), and Xylene (12.43 ppm) at 18 feet
EX-17: Benzene (0.095 ppm), Naphthalene (2.74 ppm), and Trimethylbenzenes (1.74 ppm) at 13 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 natural attenuation and a cap maintenance plan.

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. Based on this, natural attenuation 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).
Soil contamination exceeding the NR720 Direct Contact RCL's was addressed by soil excavation. Any remaining exposure pathways will be addressed via natural attenuation and a cap maintenance plan.

K. Identify any system hardware anticipated to be left in place after site closure, and explain the reasons why it will remain.
No system hardware is anticipated to be left in place after site closure.

L. Identify the need for a ch. NR 140, Wis. Adm. Code, groundwater Preventive Action Limit (PAL) or Enforcement Standard (ES) exemption, and identify the affected monitoring points and applicable substances.
Monitoring wells MW-2R (Benzene, Ethylbenzene, Naphthalene, Toluene, Trimethylbenzenes, Xylene, and Lead) and MW-3 (Benzene, Ethylbenzene, Naphthalene, Toluene, Trimethylbenzenes, and Xylene) currently exceed the NR140 ES and/or PAL.

M. If a DNR action level for vapor intrusion was exceeded (for indoor air, sub slab, or both) describe where it was exceeded and how the pathway was addressed.
No indoor air or 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.	☐	☒	☒	None of the following situations apply to this case closure request.	NA
ii.	☒	☐	☐	Residual groundwater contamination exceeds ch. NR 140 ESs.	NA
iii.	☒	☐	☐	Residual soil contamination exceeds ch. NR 720 RCLs.	NA
iv.				Monitoring Wells Remain:	
	☐	☐	☐	• Not Abandoned (filled and sealed)	NA
	☐	☐	☐	• Continued Monitoring (requested or required)	Yes
v.	☐	☐	☐	Cover/Barrier/Engineered Cover or Control for (soil) direct contact pathways (includes vapor barriers)	Yes
vi.	☒	☐	☐	Cover/Barrier/Engineered Cover or Control for (soil) groundwater infiltration pathway	Yes
vii.	☐	☐	☐	Structural Impediment: impedes completion of investigation or remedial action (not as a performance standard cover)	NA
viii.	☐	☐	☐	Residual soil contamination meets NR 720 industrial soil RCLs, land use is classified as industrial	NA
ix.	☐	☐	NA	Vapor Mitigation System (VMS) required due to exceedances of vapor risk screening levels or other health based concern	Yes
x.	☐	☐	NA	Vapor: Dewatering System needed for VMS to work effectively	Yes
xi.	☐	☐	NA	Vapor: Compounds of Concern in use: full vapor assessment could not be completed	NA
xii	☐	☐	NA	Vapor: Commercial/industrial exposure assumptions used.	NA
xiii.	☐	☐	☐	Vapor: Residual volatile contamination poses future risk of vapor intrusion	NA
xiv.	☐	☐	☐	Site-specific situation: (e. g., fencing, methane monitoring, other) (*discuss with project manager before submitting the closure request*)	Site specific

6. Underground Storage Tanks

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

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

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

General Instructions

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

Data Tables (Attachment A)

Directions for Data Tables:

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

A. Data Tables

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

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

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

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

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

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

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

Maps, Figures and Photos (Attachment B)

Directions for Maps, Figures and Photos:

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

B.1. Location Maps

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

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

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

B.2. Soil Figures

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

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

B.3. Groundwater Figures

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

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

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

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

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

B.4. Vapor Maps and Other Media

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

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

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

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

Documentation of Remedial Action (Attachment C)

Directions for Documentation of Remedial Action:

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

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

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

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

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

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

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

Maintenance Plan(s) and Photographs (Attachment D)

Directions for Maintenance Plans and Photographs:

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

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

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

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

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

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

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

Monitoring Well Information (Attachment E)

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

Select One:

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

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

◯ ***Select One or More:***

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

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

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

Source Legal Documents (Attachment F)

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

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

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

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

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

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

Notifications to Owners of Affected Properties (Attachment G)

Directions for Notifications to Owners of Affected Properties:

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

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

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

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

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

Notifications to Owners of Affected Properties (Attachment G)

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

Signatures and Findings for Closure Determination

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

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

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

Engineering Certification

I _____ 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 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."

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

Signature	Date
	11/14/17

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 – Natural Attenuation Data and Flow Velocity Calculation Data

A.1 Groundwater Analytical Table
Countryside Motors BRRTS# 03-22-002037

Well MW-2
PVC Elevation = 1113.59 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	1,2-Dibromoe-thane (EDB) (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
02/20/12	1083.42	30.17	NS	**164**	<31.5	**3600**	<40	**480**	**1140**	**9930**	**17200**
05/22/13	1083.33	30.26	**18.4**	**350**	NS	**1870**	<28.5	**261**	**1330**	**4180**	**8910**
08/12/13	1084.69	28.90	**23.3**	**172**	<22	**1790**	<11.5	**118**	**800**	**2610**	**9130**
11/12/13	1082.96	30.63	**75.5**	**28**	<22	*510*	<11.5	**107**	*167*	**1440**	**2550**
ENFORCE MENT STANDARD **ES = Bold**			15	5	0.05	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT *PAL = Italics*			1.5	0.5	0.005	140	12	10	160	96	400

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

Well MW-2R
PVC Elevation = 1113.75 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	1,2-Dibromoe-thane (EDB) (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
05/11/16	1084.17	29.58	**32.1**	**820**	<126	**3200**	<220	<320	**2890**	**3290**	**18000**
11/02/16	1085.40	28.35	**29.7**	**670**	<126	**3300**	<220	**400**	**1860**	**2870**	**16600**
05/02/17	1085.35	28.40	**19.5**	**560**	<17	**2460**	<41	**297**	**1200**	**3110**	**12300**
10/26/17	1084.98	28.77	*9.1*	**640**	<17	**3400**	<41	**350**	**1580**	**3390**	**15400**
ENFORCE MENT STANDARD **ES = Bold**			15	5	0.05	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT *PAL = Italics*			1.5	0.5	0.005	140	12	10	160	96	400

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

Well MW-3
PVC Elevation = 1112.86 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	1,2-Dibromoe-thane (EDB) (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
02/20/12	1082.35	30.51	NS	**11100**	**113**	**860**	<80	**259**	**9500**	**758**	**3470**
05/22/12	1082.16	30.70	**15.5**	**11700**	NS	**790**	<57	**740**	**9800**	**872**	**3560**
08/12/13	1083.61	29.25	**57.7**	**10300**	**63**	*690*	<23	<170	**10600**	**460-600**	**3090**
11/12/13	1081.96	30.90	**63.9**	**4600**	<44	*500*	<23	**188**	**4700**	**530-670**	**2170**
05/11/16	1083.25	29.61	**28.0**	**1710**	<31.5	*226*	<55	<80	**2570**	*298*	**1320**
11/02/16	1084.66	28.20	*3.0*	**270**	<31.5	<35.5	<55	<80	98	<155	<155
05/02/17	1084.36	28.50	<0.9	**236**	<3.4	44	<8.2	<21.7	83	88.2	285
10/26/17	1084.08	28.78	<0.9	**890**	<3.4	*286*	<8.2	*40*	**1340**	*110.0*	*1000*
ENFORCE MENT STANDARD **ES = Bold**			15	5	0.05	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT *PAL = Italics*			1.5	0.5	0.005	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
Countryside Motors BRRTS# 03-22-002037

Well MW-4
PVC Elevation = 1114.51 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	1,2-Dibromoe-thane (EDB) (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
02/20/12	1083.60	30.91	NS	<0.5	<0.63	<0.78	<0.8	<2.1	<0.53	<1.54	<1.9
05/21/12	1083.39	31.12	<0.7	<0.46	NS	<0.46	<0.57	<0.021	<0.48	<1.57	<1.45
08/12/13	1084.76	29.75	0.70	<0.24	<0.44	<0.55	<0.23	<1.7	<0.69	<3.6	<1.32
11/12/13	1083.04	31.47	<0.7	<0.24	<0.44	<0.55	<0.23	<1.7	<0.69	<3.6	<1.39
05/11/16	1084.21	30.30	<0.8	<0.44	<0.63	<0.71	<1.1	<1.6	<0.44	<3.1	<3.1
11/02/16	1085.43	29.08	<0.8	<0.44	<0.63	<0.71	<1.1	<1.6	<0.44	<3.1	<3.1
05/02/17	1085.38	29.13	<0.9	<0.17	<0.34	<0.2	<0.82	<2.17	<0.67	<2.05	<1.95
10/26/17	1084.98	29.53	NOT SAMPLED								
ENFORCE MENT STANDARD **ES = Bold**			15	5	0.05	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT *PAL = Italics*			1.5	0.5	0.005	140	12	10	160	96	400

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

Well MW-5
PVC Elevation = 1111.79 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	1,2-Dibromoe-thane (EDB) (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
02/20/12	1083.77	28.02	NS	<0.5	<0.63	<0.78	<0.8	<2.1	<0.53	<1.54	<1.9
05/21/12	1083.59	28.20	<0.7	<0.46	NS	<0.46	<0.57	<0.021	<0.48	<1.57	<1.45
08/12/13	1084.93	26.86	<0.7	<0.24	<0.44	<0.55	<0.23	<1.7	<0.69	<3.6	<1.32
11/12/13	1083.17	28.62	<0.7	<0.24	<0.44	<0.55	<0.23	<1.7	<0.69	<3.6	<1.39
05/11/16	1084.47	27.32	<0.8	<0.44	<0.63	<0.71	<1.1	<1.6	<0.44	<3.1	<3.1
11/02/16	1085.68	26.11	<0.8	<0.44	<0.63	<0.71	<1.1	<1.6	<0.44	<3.1	<3.1
05/02/17	1085.82	25.97	<0.9	<0.17	<0.34	<0.2	<0.82	<2.17	<0.67	<2.05	<1.95
10/26/17	1085.22	26.57	NOT SAMPLED								
ENFORCE MENT STANDARD **ES = Bold**			15	5	0.05	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT *PAL = Italics*			1.5	0.5	0.005	140	12	10	160	96	400

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

Well MW-6
PVC Elevation = 1113.59 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	1,2-Dibromoe-thane (EDB) (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
02/20/12	1081.70	31.89	NS	<0.5	<0.63	<0.78	<0.8	<2.1	<0.53	<1.54	<1.9
05/21/12	1081.50	32.09	<0.7	<0.46	NS	<0.46	<0.57	<0.021	<0.48	<1.57	<1.45
08/12/13	1082.88	30.71	1.0	<0.24	<0.44	<0.55	<0.23	<1.7	<0.69	<3.6	<1.32
11/12/13	1081.47	32.12	<0.7	<0.24	<0.44	<0.55	<0.23	<1.7	<0.69	<3.6	<1.39
05/11/16	1082.40	31.19	<0.8	<0.44	<0.63	<0.71	<1.1	<1.6	<0.44	<3.1	<3.1
11/02/16	1083.34	30.25	<0.8	<0.44	<0.63	<0.71	<1.1	<1.6	<0.44	<3.1	<3.1
05/02/17	1083.34	30.25	<0.9	<0.17	<0.34	<0.2	<0.82	<2.17	<0.67	<2.05	<1.95
10/26/17	1083.17	30.42	NOT SAMPLED								
ENFORCE MENT STANDARD **ES = Bold**			15	5	0.05	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT *PAL = Italics*			1.5	0.5	0.005	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
Countryside Motors BRRTS# 03-22-002037

Well MW-7
PVC Elevation = 1110.86 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	1,2-Dibromoe-thane (EDB) (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
08/12/13	1082.64	28.22	<0.7	*4.1*	<0.44	<0.55	<0.23	<1.7	<0.69	<3.6	<1.32
11/12/13	1081.24	29.62	<0.7	0.30	<0.44	<0.55	<0.23	<1.7	<0.69	<3.6	<1.39
05/11/16	1082.29	28.57	<0.8	**29.1**	<0.63	<0.71	<1.1	<1.6	<0.44	<3.1	<3.1
11/02/16	1083.64	27.22	<0.8	**11**	<0.63	<0.71	<1.1	<1.6	<0.44	<3.1	<3.1
05/02/17	1083.42	27.44	<0.9	<0.17	<0.34	<0.2	<0.82	<2.17	<0.67	<2.05	<1.95
10/26/17	1083.14	27.72	NOT SAMPLED								
ENFORCE MENT STANDARD ES = **Bold**			15	5	0.05	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT *PAL* = *Italics*			1.5	0.5	0.005	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-5
PVC Elevation = 1111.97 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	1,2-Dibromoe-thane (EDB) (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
02/20/12	1082.67	29.30	NS	<0.5	<0.63	<0.78	<0.8	<2.1	<0.53	<1.54	<1.9
05/21/12	1082.46	29.51	<0.7	<0.46	NS	<0.46	<0.57	<0.021	<0.48	<1.57	<1.45
08/12/13	1083.75	28.22	0.70	<0.24	<0.44	<0.55	<0.23	<1.7	<0.69	<3.6	<1.32
11/12/13	1082.14	29.83	0.70	<0.24	<0.44	<0.55	<0.23	<1.7	<0.69	<3.6	<1.39
05/11/16	1083.52	28.45	<0.8	<0.44	<0.63	<0.71	<1.1	<1.6	<0.44	<3.1	<3.1
11/02/16	1084.66	27.31	<0.8	<0.44	<0.63	<0.71	<1.1	<1.6	<0.44	<3.1	<3.1
05/02/17	1085.05	26.92	<0.9	<0.17	<0.34	<0.2	<0.82	<2.17	<0.67	<2.05	<1.95
10/26/17	1084.26	27.71	NOT SAMPLED								
ENFORCE MENT STANDARD ES = **Bold**			15	5	0.05	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT *PAL* = *Italics*			1.5	0.5	0.005	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).

Municipal Well

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	1,2-Dibromoe-thane (EDB) (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
02/20/12	NM	NM	NS	<0.5	<0.63	<0.78	<0.8	<2.1	<0.53	<1.54	<1.9
05/22/12	NM	NM	NS	<0.5	<0.63	<0.78	<0.8	<2.1	<0.53	<1.54	<1.9
08/12/13	NM	NM	1.0	<0.24	<0.44	<0.55	<0.23	<1.7	<0.69	<3.6	<1.32
11/12/13	NM	NM	<0.7	<0.24	<0.44	<0.55	<0.23	<1.7	<0.69	<3.6	<1.39
05/11/16	NM	NM	<0.8	<0.44	<0.63	<0.71	<1.1	<1.6	<0.44	<3.1	<3.1
11/02/16	NM	NM	<0.8	<0.44	<0.63	<0.71	<1.1	<1.6	<0.44	<3.1	<3.1
05/02/17	NM	NM	<0.9	<0.17	<0.34	<0.2	<0.82	<2.17	<0.67	<2.05	<1.95
10/26/17	NM	NM	NOT SAMPLED								
ENFORCE MENT STANDARD ES = **Bold**			15	5	0.05	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT *PAL* = *Italics*			1.5	0.5	0.005	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
Countryside Motors BRRTS# 03-22-002037

Unknown Well
PVC Elevation = 1113.47 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	1,2-Dibromoe-thane (EDB) (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
02/20/12	1082.31	31.16	NS	**10200**	<63	**2000**	<80	<210	**14300**	**1460**	**9250**
05/22/12	1082.10	31.37	**24.8**	**6500**	NS	**1650**	<57	**340**	**8400**	**1530**	**7070**
ENFORCE MENT STANDARD **ES = Bold**			15	5	0.05	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT *PAL = Italics*			1.5	0.5	0.005	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
(PAH)
Countryside Motors BRRTS# 03-22-002037

Well MW-2
PVC Elevation = 1113.59 (feet) (MSL)

Date	Ace-naphthene (ppb)	Acenaph-thylene (ppb)	Anthracene (ppb)	Benzo(a) anthracene (ppb)	Benzo(a) pyrene (ppb)	Benzo(b) fluoranthene (ppb)	Benzo(g,h,I) Perylene (ppb)	Benzo(k) fluoranthene (ppb)	Chrysene (ppb)	Dibenzo(a,h) anthracene (ppb)	Fluoran-thene (ppb)	Fluorene (ppb)	Indeno(1,2,3-cd) pyrene (ppb)	1-Methyl-naphthalene (ppb)	2-Methyl-naphthalene (ppb)	Naph-thalene (ppb)	Phenan-threne (ppb)	Pyrene (ppb)
02/20/12	2.98	<1.9	<1.8	<2.4	<1.8	<2	<1.9	<2.2	<1.9	<1.6	<2.2	7.5	<1.8	157	312	**340**	9.5	2.26
05/22/12	<2.5	<1.9	<1.8	<2.4	<1.8	<2	<1.9	<2.2	<1.9	<1.9	<2.2	5.7	<1.8	104	222	**261**	8	<2
08/12/13	NOT SAMPLED																	
11/12/13	NOT SAMPLED																	
ENFORCE MENT STANDARD = ES **Bold**			3000	==	0.2	0.2	==	==	0.2	==	400	400	==	==	==	100	==	250
PREVENTIVE ACTION LIMIT = PAL *Italics*			600	==	0.02	0.020	==	==	0.02	==	80	80	==	==	==	10	==	50

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

Well MW-3
PVC Elevation = 1112.86 (feet) (MSL)

Date	Ace-naphthene (ppb)	Acenaph-thylene (ppb)	Anthracene (ppb)	Benzo(a) anthracene (ppb)	Benzo(a) pyrene (ppb)	Benzo(b) fluoranthene (ppb)	Benzo(g,h,I) Perylene (ppb)	Benzo(k) fluoranthene (ppb)	Chrysene (ppb)	Dibenzo(a,h) anthracene (ppb)	Fluoran-thene (ppb)	Fluorene (ppb)	Indeno(1,2,3-cd) pyrene (ppb)	1-Methyl-naphthalene (ppb)	2-Methyl-naphthalene (ppb)	Naph-thalene (ppb)	Phenan-threne (ppb)	Pyrene (ppb)
02/20/12	<12.5	17.7	<9	<12	<9	<10	<9.5	<11	<9.5	<8	<11	45	<9	1150	1760	**670**	17.9	<10
05/22/12	<10	15	<7.2	<9.6	<7.2	<8	<7.6	<8.8	<7.6	<7.6	<8.8	58	<7.2	1500	2430	**740**	27.1	<8
08/12/13	NOT SAMPLED																	
11/12/13	NOT SAMPLED																	
ENFORCE MENT STANDARD = ES **Bold**			3000	==	0.2	0.2	==	==	0.2	==	400	400	==	==	==	100	==	250
PREVENTIVE ACTION LIMIT = PAL *Italics*			600	==	0.02	0.020	==	==	0.02	==	80	80	==	==	==	10	==	50

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

Well MW-4
PVC Elevation = 1114.51 (feet) (MSL)

Date	Ace-naphthene (ppb)	Acenaph-thylene (ppb)	Anthracene (ppb)	Benzo(a) anthracene (ppb)	Benzo(a) pyrene (ppb)	Benzo(b) fluoranthene (ppb)	Benzo(g,h,I) Perylene (ppb)	Benzo(k) fluoranthene (ppb)	Chrysene (ppb)	Dibenzo(a,h) anthracene (ppb)	Fluoran-thene (ppb)	Fluorene (ppb)	Indeno(1,2,3-cd) pyrene (ppb)	1-Methyl-naphthalene (ppb)	2-Methyl-naphthalene (ppb)	Naph-thalene (ppb)	Phenan-threne (ppb)	Pyrene (ppb)
02/20/12	<0.025	<0.019	<0.018	<0.024	<0.018	<0.02	<0.019	<0.022	<0.019	<0.016	<0.022	0.108	<0.018	0.115	<0.024	0.035	0.062	0.027
05/21/12	<0.025	<0.019	<0.018	<0.024	<0.018	<0.02	<0.019	<0.022	<0.019	<0.019	<0.022	0.091	<0.018	0.078	<0.024	<0.021	0.048	0.025
08/12/13	NOT SAMPLED																	
11/12/13	NOT SAMPLED																	
ENFORCE MENT STANDARD = ES **Bold**			3000	==	0.2	0.2	==	==	0.2	==	400	400	==	==	==	100	==	250
PREVENTIVE ACTION LIMIT = PAL *Italics*			600	==	0.02	0.020	==	==	0.02	==	80	80	==	==	==	10	==	50

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

A.1 Groundwater Analytical Table
(PAH)
Countryside Motors BRRTS# 03-22-002037

Well MW-5
PVC Elevation = 1111.79 (feet) (MSL)

Date	Ace-naphthene (ppb)	Acenaph-thylene (ppb)	Anthracene (ppb)	Benzo(a) anthracene (ppb)	Benzo(a) pyrene (ppb)	Benzo(b) fluoranthene (ppb)	Benzo(g,h,I) Perylene (ppb)	Benzo(k) fluoranthene (ppb)	Chrysene (ppb)	Dibenzo(a,h) anthracene (ppb)	Fluoran-thene (ppb)	Fluorene (ppb)	Indeno(1,2,3-cd) pyrene (ppb)	1-Methyl-naphthalene (ppb)	2-Methyl-naphthalene (ppb)	Naph-thalene (ppb)	Phenan-threne (ppb)	Pyrene (ppb)
02/20/12	<0.025	<0.019	<0.018	<0.024	<0.018	<0.02	<0.019	<0.022	<0.019	<0.016	<0.022	<0.02	<0.018	<0.022	<0.024	<0.021	<0.019	<0.02
05/21/12	<0.025	<0.019	<0.018	<0.024	<0.018	<0.02	<0.019	<0.022	<0.019	<0.019	<0.022	<0.02	<0.018	<0.022	<0.024	<0.021	<0.019	<0.02
08/12/13	NOT SAMPLED																	
11/12/13	NOT SAMPLED																	
ENFORCE MENT STANDARD = ES **Bold**			3000	==	0.2	0.2	==	==	0.2	==	400	400	==	==	==	100	==	250
PREVENTIVE ACTION LIMIT = PAL *Italics*			600	==	0.02	0.020	==	==	0.02	==	80	80	==	==	==	10	==	50

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

Well MW-6
PVC Elevation = 1113.59 (feet) (MSL)

Date	Ace-naphthene (ppb)	Acenaph-thylene (ppb)	Anthracene (ppb)	Benzo(a) anthracene (ppb)	Benzo(a) pyrene (ppb)	Benzo(b) fluoranthene (ppb)	Benzo(g,h,I) Perylene (ppb)	Benzo(k) fluoranthene (ppb)	Chrysene (ppb)	Dibenzo(a,h) anthracene (ppb)	Fluoran-thene (ppb)	Fluorene (ppb)	Indeno(1,2,3-cd) pyrene (ppb)	1-Methyl-naphthalene (ppb)	2-Methyl-naphthalene (ppb)	Naph-thalene (ppb)	Phenan-threne (ppb)	Pyrene (ppb)
02/20/12	<0.025	<0.019	<0.018	<0.024	<0.018	<0.02	<0.019	<0.022	<0.019	<0.016	<0.022	<0.02	<0.018	<0.022	<0.024	0.026	<0.019	<0.02
05/21/12	<0.025	<0.019	<0.018	<0.024	<0.018	<0.02	<0.019	<0.022	<0.019	<0.019	<0.022	<0.02	<0.018	<0.022	<0.024	<0.021	<0.019	<0.02
08/12/13	NOT SAMPLED																	
11/12/13	NOT SAMPLED																	
ENFORCE MENT STANDARD = ES **Bold**			3000	==	0.2	0.2	==	==	0.2	==	400	400	==	==	==	100	==	250
PREVENTIVE ACTION LIMIT = PAL *Italics*			600	==	0.02	0.020	==	==	0.02	==	80	80	==	==	==	10	==	50

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

Well MW-7
PVC Elevation = 1110.86 (feet) (MSL)

Date	Ace-naphthene (ppb)	Acenaph-thylene (ppb)	Anthracene (ppb)	Benzo(a) anthracene (ppb)	Benzo(a) pyrene (ppb)	Benzo(b) fluoranthene (ppb)	Benzo(g,h,I) Perylene (ppb)	Benzo(k) fluoranthene (ppb)	Chrysene (ppb)	Dibenzo(a,h) anthracene (ppb)	Fluoran-thene (ppb)	Fluorene (ppb)	Indeno(1,2,3-cd) pyrene (ppb)	1-Methyl-naphthalene (ppb)	2-Methyl-naphthalene (ppb)	Naph-thalene (ppb)	Phenan-threne (ppb)	Pyrene (ppb)
08/12/13	NOT SAMPLED																	
11/12/13	NOT SAMPLED																	
ENFORCE MENT STANDARD = ES **Bold**			3000	==	0.2	0.2	==	==	0.2	==	400	400	==	==	==	100	==	250
PREVENTIVE ACTION LIMIT = PAL *Italics*			600	==	0.02	0.020	==	==	0.02	==	80	80	==	==	==	10	==	50

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

A.1 Groundwater Analytical Table
(PAH)
Countryside Motors BRRTS# 03-22-002037

Well PZ-5
PVC Elevation = 1111.97 (feet) (MSL)

Date	Ace-naphthene (ppb)	Acenaph-thylene (ppb)	Anthracene (ppb)	Benzo(a) anthracene (ppb)	Benzo(a) pyrene (ppb)	Benzo(b) fluoranthene (ppb)	Benzo(g,h,I) Perylene (ppb)	Benzo(k) fluoranthene (ppb)	Chrysene (ppb)	Dibenzo(a,h) anthracene (ppb)	Fluoran-thene (ppb)	Fluorene (ppb)	Indeno(1,2,3-cd) pyrene (ppb)	1-Methyl-naphthalene (ppb)	2-Methyl-naphthalene (ppb)	Naph-thalene (ppb)	Phenan-threne (ppb)	Pyrene (ppb)
02/20/12	<0.025	<0.019	<0.018	0.082	0.045	0.107	0.059	0.035	0.073	<0.016	0.115	<0.02	0.041	<0.022	<0.024	<0.021	0.043	0.113
05/21/12	<0.025	<0.019	<0.018	<0.024	<0.018	<0.02	<0.019	<0.022	<0.019	<0.019	<0.022	<0.02	<0.018	<0.022	<0.024	<0.021	<0.019	<0.02
08/12/13	NOT SAMPLED																	
11/12/13	NOT SAMPLED																	
ENFORCE MENT STANDARD = ES **Bold**			3000	==	0.2	0.2	==	==	0.2	==	400	400	==	==	==	100	==	250
PREVENTIVE ACTION LIMIT = PAL *Italics*			600	==	0.02	0.020	==	==	0.02	==	80	80	==	==	==	10	==	50

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

Municipal Well

Date	Ace-naphthene (ppb)	Acenaph-thylene (ppb)	Anthracene (ppb)	Benzo(a) anthracene (ppb)	Benzo(a) pyrene (ppb)	Benzo(b) fluoranthene (ppb)	Benzo(g,h,I) Perylene (ppb)	Benzo(k) fluoranthene (ppb)	Chrysene (ppb)	Dibenzo(a,h) anthracene (ppb)	Fluoran-thene (ppb)	Fluorene (ppb)	Indeno(1,2,3-cd) pyrene (ppb)	1-Methyl-naphthalene (ppb)	2-Methyl-naphthalene (ppb)	Naph-thalene (ppb)	Phenan-threne (ppb)	Pyrene (ppb)
02/20/12	<0.025	<0.019	<0.018	<0.024	<0.018	<0.02	<0.019	<0.022	<0.019	<0.016	<0.022	<0.02	<0.018	<0.022	<0.024	<0.021	<0.019	<0.02
05/22/12	NOT SAMPLED																	
08/12/13	NOT SAMPLED																	
11/12/13	NOT SAMPLED																	
ENFORCE MENT STANDARD = ES **Bold**			3000	==	0.2	0.2	==	==	0.2	==	400	400	==	==	==	100	==	250
PREVENTIVE ACTION LIMIT = PAL *Italics*			600	==	0.02	0.020	==	==	0.02	==	80	80	==	==	==	10	==	50

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

Unknown Well
PVC Elevation = 1113.47 (feet) (MSL)

Date	Ace-naphthene (ppb)	Acenaph-thylene (ppb)	Anthracene (ppb)	Benzo(a) anthracene (ppb)	Benzo(a) pyrene (ppb)	Benzo(b) fluoranthene (ppb)	Benzo(g,h,I) Perylene (ppb)	Benzo(k) fluoranthene (ppb)	Chrysene (ppb)	Dibenzo(a,h) anthracene (ppb)	Fluoran-thene (ppb)	Fluorene (ppb)	Indeno(1,2,3-cd) pyrene (ppb)	1-Methyl-naphthalene (ppb)	2-Methyl-naphthalene (ppb)	Naph-thalene (ppb)	Phenan-threne (ppb)	Pyrene (ppb)
02/20/12	1.5	1.22	<0.9	<1.2	<0.9	<1	<0.95	<1.1	<0.95	<0.8	<1.1	8.6	<0.9	133	107	**183**	5.9	1.35
05/22/12	2.19	3.7	<0.9	<1.2	<0.9	<1	<0.95	<1.1	<0.95	<0.95	<1.1	13	<0.9	214	243	**340**	9.3	2.02
ENFORCE MENT STANDARD = ES **Bold**			3000	==	0.2	0.2	==	==	0.2	==	400	400	==	==	==	100	==	250
PREVENTIVE ACTION LIMIT = PAL *Italics*			600	==	0.02	0.020	==	==	0.02	==	80	80	==	==	==	10	==	50

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

A.1 Groundwater Analytical Table
Countryside Motors BRRTS# 03-22-002037

Well Sampling Conducted on:	02/20/12	02/20/12	02/20/12	02/20/12	02/20/12	02/20/12	02/20/12	02/20/12	05/22/12	08/12/13	05/11/16	11/02/16	05/02/17		
VOC's														ENFORCE MENT STANDARD = ES – Bold	PREVENTIVE ACTION LIMIT = PAL - Italics
Well Name	MW-2	MW-3	MW-4	MW-5	MW-6	PZ-5	MUNICIPAL WELL	UNKNOWN WELL	MUNICIPAL WELL	MW-7	MUNICIPAL WELL	MUNICIPAL WELL	MUNICIPAL WELL		
Lead, dissolved/ppb	NS	NS	NS	NS	NS	NS	NS	NS	NS	<0.7	< 0.8	< 0.8	< 0.9	15	1.5
Benzene/ppb	164	11100	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	10200	< 0.5	4.1	< 0.44	< 0.44	< 0.17	5	0.5
Bromobenzene/ppb	< 37	< 74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 74	< 0.74	<0.32	< 0.48	< 0.48	< 0.43	==	==
Bromodichloromethane/ppb	< 34	< 68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 68	< 0.68	<0.37	< 0.46	< 0.46	< 0.31	==	==
Bromoform/ppb	< 21.5	< 43	< 0.43	< 0.43	< 0.43	< 0.43	< 0.43	< 43	< 0.43	<0.35	< 0.46	< 0.46	< 0.49	==	==
tert-Butylbenzene/ppb	< 35.5	< 71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 71	< 0.71	<0.36	< 1.1	< 1.1	< 0.39	==	==
sec-Butylbenzene/ppb	97 "J"	< 100	1.38 "J"	< 1	< 1	< 1	< 1	< 100	< 1	0.45	< 1.2	< 1.2	< 0.24	==	==
n-Butylbenzene/ppb	420	< 90	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 90	< 0.9	<0.35	< 1	< 1	< 0.34	==	==
Carbon Tetrachloride/ppb	< 23.5	< 47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 47	< 0.47	<0.33	< 0.51	< 0.51	< 0.21	==	==
Chlorobenzene/ppb	< 25.5	< 51	< 0.51	< 0.51	< 0.51	< 0.51	< 0.51	< 51	< 0.51	<0.24	< 0.46	< 0.46	< 0.27	==	==
Chloroethane/ppb	< 70	< 140	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 140	< 1.4	<0.63	< 0.65	< 0.65	< 0.5	==	==
Chloroform/ppb	< 25	< 49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 49	< 0.49	<0.28	< 0.43	< 0.43	< 0.96	==	==
Chloromethane/ppb	< 95	< 190	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 190	< 1.9	<0.81	< 1.9	< 1.9	< 1.3	==	==
2-Chlorotoluene/ppb	< 35	< 70	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 70	< 0.7	<0.21	< 0.4	< 0.4	< 0.36	==	==
4-Chlorotoluene/ppb	< 22	< 44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 44	< 0.44	<0.21	< 0.63	< 0.63	< 0.35	==	==
1,2-Dibromo-3-chloropropane/ppb	< 140	< 280	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 280	< 2.8	<0.88	< 1.4	< 1.4	< 1.88	==	==
Dibromochloromethane/ppb	< 27.5	< 55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 55	< 0.55	<0.22	< 0.45	< 0.45	< 0.45	==	==
1,4-Dichlorobenzene/ppb	< 49	< 98	< 0.98	< 0.98	< 0.98	< 0.98	< 0.98	< 98	< 0.98	<0.3	< 0.49	< 0.49	< 0.42	==	==
1,3-Dichlorobenzene/ppb	< 43.5	< 87	< 0.87	< 0.87	< 0.87	< 0.87	< 0.87	< 87	< 0.87	<0.28	< 0.52	< 0.52	< 0.45	==	==
1,2-Dichlorobenzene/ppb	< 38	< 76	< 0.76	< 0.76	< 0.76	< 0.76	< 0.76	< 76	< 0.76	<0.36	< 0.46	< 0.46	< 0.34	==	==
Dichlorodifluoromethane/ppb	< 90	< 180	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 180	< 1.8	<0.44	< 0.87	< 0.87	< 0.38	==	==
1,2-Dichloroethane/ppb	< 25	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 50	< 0.5	1.64	< 0.48	< 0.48	< 0.45	5	0.5
1,1-Dichloroethane/ppb	< 49	< 98	< 0.98	< 0.98	< 0.98	< 0.98	< 0.98	< 98	< 0.98	<0.3	< 1.1	< 1.1	< 0.42	==	==
1,1-Dichloroethene/ppb	< 30	< 60	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 60	< 0.6	<0.4	< 0.65	< 0.65	< 0.46	==	==
cis-1,2-Dichloroethene/ppb	< 37	< 74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 74	< 0.74	<0.38	< 0.45	< 0.45	< 0.41	==	==
trans-1,2-Dichloroethene/ppb	< 39.5	< 79	< 0.79	< 0.79	< 0.79	< 0.79	< 0.79	< 79	< 0.79	<0.35	< 0.54	< 0.54	< 0.35	==	==
1,2-Dichloropropane/ppb	< 20	< 40	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 40	< 0.4	0.83	< 0.43	< 0.43	< 0.39	==	==
2,2-Dichloropropane/ppb	< 95	< 190	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 190	< 1.9	<0.36	NS	NS	NS	==	==
1,3-Dichloropropane/ppb	< 35.5	< 71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 71	< 0.71	<0.33	< 3.1	< 3.1	< 0.49	==	==
trans-1,3-Dichloropropene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.42	==	==
cis-1,3-Dichloropropene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.42	< 0.42	< 0.21	==	==
Di-Isopropyl ether/ppb	< 34.5	< 69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 69	< 0.69	<0.23	< 0.44	< 0.44	< 0.26	==	==
EDB (1,2-Dibromoethane)/ppb	< 31.5	113 "J"	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 63	< 0.63	<0.44	< 0.63	< 0.63	< 0.34	0.05	0.005
Ethylbenzene/ppb	3600	860	< 0.78	< 0.78	< 0.78	< 0.78	< 0.78	2000	< 0.78	<0.55	< 0.71	< 0.71	< 0.2	700	140
Hexachlorobutadiene/ppb	< 110	< 220	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 220	< 2.2	<1.5	< 2.2	< 2.2	< 1.47	==	==
Isopropylbenzene/ppb	430	< 92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 92	< 0.92	<0.3	< 0.82	< 0.82	< 0.29	==	==
p-Isopropyltoluene/ppb	60 "J"	< 92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 92	< 0.92	<0.31	< 1.1	< 1.1	< 0.28	==	==
Methylene chloride/ppb	< 55	< 110	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 110	< 1.1	<0.5	< 1.3	< 1.3	< 0.94	==	==
Methyl tert-butyl ether (MTBE)/ppb	< 40	< 80	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 80	< 0.8	<0.23	< 1.1	< 1.1	< 0.82	60	12
Naphthalene/ppb	480	259 "J"	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 210	< 2.1	<1.7	< 1.6	< 1.6	< 2.17	100	10
n-Propylbenzene/ppb	1430	102 "J"	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	187 "J"	< 0.59	<0.25	< 0.77	< 0.77	< 0.19	==	==
1,1,2,2-Tetrachloroethane/ppb	< 26.5	< 53	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	< 53	< 0.53	<0.45	< 0.52	< 0.52	< 0.69	==	==
1,1,1,2-Tetrachloroethane/ppb	< 50	< 100	< 1	< 1	< 1	< 1	< 1	< 100	< 1	<0.33	< 0.48	< 0.48	< 0.47	==	==
Tetrachloroethene (PCE)/ppb	< 22	< 44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 44	< 0.44	<0.33	< 0.49	< 0.49	< 0.48	5	0.5
Toluene/ppb	1140	9500	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	14300	< 0.53	<0.69	< 0.44	< 0.44	< 0.67	800	160
1,2,4-Trichlorobenzene/ppb	< 75	< 150	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 150	< 1.5	<0.98	< 1.7	< 1.7	< 1.29	==	==
1,2,3-Trichlorobenzene/ppb	< 65	< 130	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 130	< 1.3	<1.8	< 2.7	< 2.7	< 0.83	==	==
1,1,1-Trichloroethane/ppb	< 42.5	< 85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 85	< 0.85	<0.33	< 0.84	< 0.84	< 0.35	==	==
1,1,2-Trichloroethane/ppb	< 23.5	< 47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 47	< 0.47	<0.34	< 0.48	< 0.48	< 0.65	==	==
Trichloroethene (TCE)/ppb	< 23.5	< 47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 47	< 0.47	<0.33	< 0.47	< 0.47	< 0.45	5	0.5
Trichlorofluoromethane/ppb	< 85	< 170	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 170	< 1.7	<0.71	< 0.87	< 0.87	< 0.64	==	==
1,2,4-Trimethylbenzene/ppb	7800	600	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	1180	< 0.8	<2.2	< 1.6	< 1.6	< 1.14		
1,3,5-Trimethylbenzene/ppb	2130	158 "J"	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	280	< 0.74	<1.4	< 1.5	< 1.5	< 0.91	480	96
Vinyl Chloride/ppb	< 9	< 18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 18	< 0.18	<0.18	< 0.17	< 0.17	< 0.19	==	==
m&p-Xylene/ppb	13500	2280	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	6200	< 1.1	<0.69	< 2.2	< 2.2	< 1.56		
o-Xylene/ppb	3700	1190	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	3050	< 0.8	<0.63	< 0.9	< 0.9	< 0.39	2000	400

NS = not sampled, NM = Not Measured
Q = Analyte detected above laboratory method detection limit but below practical quantitation limit.
= = No Exceedences
(ppb) = parts per billion
(ppm) = parts per million

A.2. Soil Analytical Results Table
Countryside Motors BRRTS# 03-22-002037

Sample ID	Depth (feet)	Saturation U/S	Date	PID	Lead (ppm)	DRO (ppm)	GRO (ppm)	Benzene (ppm)	Ethyl Benzene (ppm)	MTBE (ppm)	Naph-thalene (ppm)	Toluene (ppm)	1,2,4-Trime-thylbenzene (ppm)	1,3,5-Trime-thylbenzene (ppm)	Xylene (Total) (ppm)	Other VOC's (ppm)	DIRECT CONTACT PVOC & PAH COMBINED: Exeedance Count	Hazard Index	Cumulative Cancer Risk
G-1	2-4	U	09/14/93	9							NOT SAMPLED						0	0	0
G-1	4-6	U	09/14/93	131							NOT SAMPLED						0		
G-1	6-8	U	09/14/93	157							NOT SAMPLED								
G-1	8-10	U	09/14/93	28							NOT SAMPLED								
G-1	10-12	U	09/14/93	58							NOT SAMPLED								
G-1	12-14	U	09/14/93	17							NOT SAMPLED								
G-1	14-16	U	09/14/93	224	NS	140	210				NOT SAMPLED					NS			
G-1	16-18	U	09/14/93	144							NOT SAMPLED								
G-1	18-20	U	09/14/93	315	NS	990	240				NOT SAMPLED					NS			
G-2	5-7	U	09/14/93	9							NOT SAMPLED								
G-2	9-11	U	09/14/93	38							NOT SAMPLED								
G-2	16-18	U	09/14/93	123							NOT SAMPLED								
G-2	18-20	U	09/14/93	15							NOT SAMPLED								
G-3	4-6	U	09/14/93	73							NOT SAMPLED						0		
G-3	9-11	U	09/14/93	130							NOT SAMPLED								
G-3	14-16	U	09/14/93	73							NOT SAMPLED								
G-3	19-21	U	09/14/93	692	NS	130	210				NOT SAMPLED					NS			
G-4	4-6	U	09/14/93	0.6							NOT SAMPLED						0		
G-4	9-11	U	09/14/93	0.6							NOT SAMPLED								
G-4	14-16	U	09/14/93	0.6							NOT SAMPLED								
G-4	18-20	U	09/14/93	0.6							NOT SAMPLED								
G-4	20-22	U	09/14/93	1							NOT SAMPLED								
G-4	22-24	U	09/14/93	1							NOT SAMPLED								
G-4	24-26	U	09/14/93	0.6							NOT SAMPLED								
G-4	32-34	S	09/14/93	0.6							NOT SAMPLED								
G-5	4-6	U	09/14/93	1							NOT SAMPLED						0		
G-5	9-11	U	09/14/93	0.6							NOT SAMPLED								
G-5	13-15	U	09/14/93	0.6							NOT SAMPLED								
G-5	16-18	U	09/14/93	0.3							NOT SAMPLED								
G-5	18-20	U	09/14/93	0.3							NOT SAMPLED								
G-5	20-22	U	09/14/93	0.3							NOT SAMPLED								
B-1-1	2-4	U	09/21/11	0	15.2	<10	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0		
B-1-2	6-8	U	09/21/11	0							NOT SAMPLED								
B-1-3	10-12	U	09/21/11	0	NS	<10	19	<0.025	0.184	<0.025	<0.025	0.060	0.162	0.117	0.289	NS			
B-1-4	14-16	U	09/21/11	0							NOT SAMPLED								
B-1-5	18-18.5	U	09/21/11	0	NS	602	1090	**1.35**	**28.8**	<0.120	**6**	0.890	**68**	**21.6**	**104.7**	SEE VOC TABLE			
B-2-1	2-4	U	09/21/11	0	12	<10	<10	<0.025	<0.025	<0.025	<0.025	**41**	<0.025	<0.025	<0.075	NS	0	0.0078	
B-2-2	6-8	U	09/21/11	0							NOT SAMPLED								
B-2-3	10-12	U	09/21/11	0	NS	38.2	31	**0.077**	0.138	<0.025	0.060	0.083	0.292	0.246	0.194	NS			
B-2-4	14-16	U	09/21/11	0							NOT SAMPLED								
B-2-5	18-20	U	09/21/11	0	NS	501	1700	**2.4**	**25.7**	<0.250	**11**	**3.6**	**90**	**26.2**	**83.8**	NS			
B-3-1	2-4	U	09/21/11	0	NS	<10	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0	0	0
B-3-2	6-8	U	09/21/11	0							NOT SAMPLED								
B-3-3	10-12	U	09/21/11	0	NS	<10	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
B-3-4	14-16	U	09/21/11	0							NOT SAMPLED								
B-3-5	18-20	U	09/21/11	0	NS	17.9	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
B-4-1	3.5	U	09/21/11	24	NS	<10	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0	0	0
B-4-2	8	U	09/21/11	18							NOT SAMPLED								
B-4-3	12	U	09/21/11	4	NS	<10	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
B-4-4	16	U	09/21/11	20							NOT SAMPLED								
B-4-5	18	U	09/21/11	4	NS	<10	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
B-4-6	25	U	09/21/11	0							NOT SAMPLED								
B-4-7	30	U	09/21/11	0							NOT SAMPLED								
B-4-8	35	S	09/21/11	0							NOT SAMPLED								
PZ-5-1	25	U	09/21/11	0							NOT SAMPLED								
PZ-5-2	30	U	09/21/11	0							NOT SAMPLED								
PZ-5-3	35	S	09/21/11	0							NOT SAMPLED								
PZ-5-4	40	S	09/21/11	0							NOT SAMPLED								
PZ-5-5	45	S	09/21/11	0							NOT SAMPLED								
PZ-5-6	50	S	09/21/11	0							NOT SAMPLED								
PZ-5-7	55	S	09/21/11	0							NOT SAMPLED								
PZ-5-8	60	S	09/21/11	0							NOT SAMPLED								
B-5-1	3.5	U	09/22/11	0							NOT SAMPLED						0		
B-5-2	8	U	09/22/11	0							NOT SAMPLED								
B-5-3	12	U	09/22/11	0							NOT SAMPLED								
B-5-4	16	U	09/22/11	0							NOT SAMPLED								
B-5-5	20	U	09/22/11	0							NOT SAMPLED								
B-5-6	22	U	09/22/11	0							NOT SAMPLED								
B-6-1	3.5	U	09/22/11	0	NS	<10	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0	0	0
B-6-2	8	U	09/22/11	0							NOT SAMPLED								
B-6-3	12	U	09/22/11	0	NS	<10	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
B-6-4	16	U	09/22/11	0							NOT SAMPLED								
B-6-5	20	U	09/22/11	0							NOT SAMPLED								
B-6-6	22	U	09/22/11	0	NS	<10	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
B-6-7	30	U	09/22/11	0							NOT SAMPLED								
B-6-8	35	S	09/22/11	0							NOT SAMPLED								
B-7-1	3.5	U	09/22/11	0	12.6	<10	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0		
B-7-2	8	U	09/22/11	40	NS	23.4	93	<0.025	0.112	<0.025	**0.680**	0.052	0.7400	0.590	0.818	NS			
B-7-3	12	U	09/22/11	100	NS	24.9	13	<0.025	0.097	<0.025	<0.025	<0.025	0.208	0.150	0.216	NS			
B-7-4	16	U	09/22/11	100	NS	<10	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
B-7-5	20	U	09/22/11	90							NOT SAMPLED								
B-7-6	22	U	09/22/11	70	NS	34.0	<10	<0.025	0.036	<0.025	<0.025	0.053	<0.025	0.042	0.106	NS			
B-8-1	3.5	U	09/26/11	200	12.8	401	520	**2.32**	**13.2**	<0.250	**7.7**	**3.5**	**42**	**14.2**	**56.9**	NS	**3**	0.3622	5.1E-06
B-8-2	8	U	09/26/11	40	NS	<10	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
B-8-3	12	U	09/26/11	110	NS	380	168	**0.076**	0.520	<0.025	**0.980**	0.340	**0.730**	**0.900**	1.41	NS			
B-8-4	16	U	09/26/11	90	NS	237	134	**0.490**	0.360	<0.025	0.640	0.560	**1.07**	**0.830**	1.22	NS			
B-8-5	20	U	09/26/11	70	NS	330	111	**0.294**	0.330	<0.025	**3.3**	0.660	0.450	0.540	0.650	NS			
MW-7-1	3.5	U	05/08/13	0							NOT SAMPLED						0		
MW-7-2	8	U	05/08/13	0							NOT SAMPLED								
MW-7-3	12	U	05/08/13	0							NOT SAMPLED								
MW-7-4	16	U	05/08/13	0							NOT SAMPLED								
MW-7-5	20	U	05/08/13	0							NOT SAMPLED								
MW-7-6	25	U	05/08/13	0							NOT SAMPLED								
MW-7-7	30	U	05/08/13	0							NOT SAMPLED								
MW-7-8	35	S	05/08/13	0							NOT SAMPLED								
EX-1	3.5	U	10/11-14/15	0	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0		
EX-2	3.5	U	10/11-14/15	0	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0		
EX-3	3.5	U	10/11-14/15	0	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0		
EX-4	3.5	U	10/11-14/15	0	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	0.067	0.073	0.033	0.155	NS	0	0.0005	
EX-5	18	U	10/11-14/15	NM	NS	NS	NS	<0.025	<0.025	<0.025	0.193	<0.025	0.093	0.107	<0.075	NS			
EX-6	18	U	10/11-14/15	NM	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
EX-7	18	U	10/11-14/15	NM	NS	NS	NS	**0.36**	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
EX-8	20.5	U	10/11-14/15	NM	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
EX-9	18	U	10/11-14/15	NM	NS	NS	NS	<0.025	<0.025	<0.025	0.102	<0.025	0.047	0.040	<0.075	NS			
EX-10	13	U	10/11-14/15	NM	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	0.038	0.048	0.092	0.051-0.076	NS			
EX-11	18	U	10/11-14/15	NM	NS	NS	NS	<0.025	<0.025	<0.025	0.082	<0.025	0.069	0.112	0.076-0.101	NS			
EX-12	13	U	10/11-14/15	NM	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
EX-13	18	U	10/11-14/15	NM	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	0.06	0.047	<0.075	NS			
EX-14	20.5	U	10/11-14/15	NM	NS	NS	NS	**1.71**	**13.2**	<0.25	**4.9**	**1.77**	**53**	**16.5**	**70.3**	NS			
EX-15	13	U	10/11-14/15	NM	NS	NS	NS	**0.076**	0.139	<0.025	0.155	0.083	0.41	0.185	0.571	NS			
EX-16	18	U	10/11-14/15	NM	NS	NS	NS	**0.42**	**3.16**	<0.025	**5.6**	0.35	**29.1**	**9.1**	**12.43**	NS			
EX-17	13	U	10/11-14/15	NM	NS	NS	NS	**0.095**	0.288	<0.025	**2.74**	0.51	**0.39**	**1.35**	1.864	NS			
EX-18	18	U	10/11-14/15	NM	NS	NS	NS	<0.025	<0.025	<0.025	0.278	0.043	0.135	0.45	0.363	NS			
Groundwater RCL					**27**	-	-	**0.00512**	**1.57**	**0.027**	**0.6582**	**1.11**		**1.38**	**3.96**	-			
Non-Industrial Direct Contact RCL					**400**	-	-	**1.6**	**8.02**	**63.8**	**5.52**	**818**	**219**	**182**	**258**	-		1.00E+00	1.00E-05
Industrial Direct Contact RCL					**(800)**	-	-	**(7.07)**	**(35.4)**	**(282)**	**(24.1)**	**(818)**	**(219)**	**(182)**	**(258)**	-		1.00E+00	1.00E-05
Soil Saturation Concentration (C-sat)*					-	-	-	**1820***	**480***	**8870***	-	**818***	**219***	**182***	**258***	-			

Bold = Groundwater RCL Exceedance
Bold & Underline = Non Industrial Direct Contact RCL Exceedance
(Bold & Parentheses) = Industrial Direct Contact RCL Exceedance
Bold & Asteric * = C-sat Exceedance
Italics = Industrial Direct Contact RCL

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

NS = Not
(ppm) = parts per million
DRO = Diesel Range Organics
GRO = Gasoline Range Organics
PID = Photoionization Detector
PVOC's = Petroleum Volatile Organic Compounds
VOC's = Volatile Organic Compounds
Note: Non-Industrial RCLs apply to this site.

NM = Not Measured
ND = No Detects

A.2. Soil Analytical Results Table
Countryside Motors BRRTS# 03-22-002037

																					DIRECT CONTACT PVOC & PAH COMBINED		
Sample	Depth (feet)	Saturation U/S	Date	Acenaph-thene (ppm)	Acenaph-thylene (ppm)	Anthracene (ppm)	Benzo(a) anthracene (ppm)	Benzo(a) pyrene (ppm)	Benzo(b) fluoranthene (ppm)	Benzo(g,h,I) perylene (ppm)	Benzo(k) fluoranthene (ppm)	Chrysene (ppm)	Dibenzo(a,h) anthracene (ppm)	Fluoranthene (ppm)	Fluorene (ppm)	Indeno(1,2,3-cd) pyrene (ppm)	1-Methyl-naphthalene (ppm)	2-Methyl-naphthalene (ppm)	Naph-thalene (ppm)	Phenan-threne (ppm)	Pyrene (ppm)	Exeedance Count	Hazard Index	Cumulative Cancer Risk
B-1-1	2-4	U	09/21/11	<0.0097	<0.0084	<0.0102	<0.0146	<0.0166	<0.0167	<0.0082	<0.0161	<0.0092	<0.0105	<0.0098	<0.0107	<0.0095	<0.0179	<0.0096	<0.0108	<0.0098	<0.0095	0		
B-2-1	2-4	U	09/21/11	<0.0097	<0.0084	<0.0102	<0.0146	<0.0166	<0.0167	<0.0082	<0.0161	<0.0092	<0.0105	<0.0098	<0.0107	<0.0095	<0.0179	<0.0096	<0.0108	<0.0098	<0.0095	0	0.0078	
B-3-1	2-4	U	09/21/11	<0.0097	<0.0084	<0.0102	<0.0146	<0.0166	<0.0167	<0.0082	<0.0161	<0.0092	<0.0105	<0.0098	<0.0107	<0.0095	<0.0179	<0.0096	<0.0108	<0.0098	<0.0095	0		
B-4-1	3.5	U	09/21/11	<0.0097	<0.0084	<0.0102	<0.0146	<0.0166	<0.0167	<0.0082	<0.0161	<0.0092	<0.0105	<0.0098	<0.0107	<0.0095	<0.0179	<0.0096	<0.0108	<0.0098	<0.0095	0		
B-6-1	3.5	U	09/22/11	<0.0097	<0.0084	<0.0102	<0.0146	<0.0166	<0.0167	<0.0082	<0.0161	<0.0092	<0.0105	<0.0098	<0.0107	<0.0095	<0.0179	<0.0096	<0.0108	<0.0098	<0.0095	0		
B-7-1	3.5	U	09/22/11	<0.0097	<0.0084	<0.0102	<0.0146	<0.0166	<0.0167	<0.0082	<0.0161	<0.0092	<0.0105	<0.0098	<0.0107	<0.0095	<0.0179	<0.0096	<0.0108	<0.0098	<0.0095	0		
B-8-1	3.5	U	09/26/11	0.500	0.136	0.271	<0.073	<0.083	<0.0835	<0.041	<0.0805	<0.046	<0.0525	<0.049	0.880	<0.0475	9.9	15.8	**7.7**	28.2	0.122	**3**	0.3622	5.1E-06
Groundwater RCL				---	---	**197**	---	**0.47**	**0.48**	---	---	**0.145**	---	**88.8**	**14.8**	---	---	---	**0.659**	---	**54.5**			
Non-Industrial Direct Contact RCL				**3440**	---	**17200**	**0.148**	**0.0148**	**0.148**	---	**1.48**	**14.8**	**0.0148**	**2290**	**2290**	**0.148**	**15.6**	**229**	**5.15**	---	**1720**		**1.00E+00**	**1.00E-05**
Soil Saturation Concentration (C-sat)*				---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---			

Bold = Groundwater RCL Exceedance
Bold & Underline =Industrial Direct Contact RCL Exceedance
Bold &Asteric * = C-sat Exceedance
NS = Not Sampled
(ppm) = parts per million
PAH = Polynuclear Aromatic Hydrocarbons
PID = Photoionization Detector
VOC's = Volatile Organic Compounds

A.2. Soil Analytical Results Table
Countryside Motors BRRTS# 03-22-002037

Well Sampling Conducted on September 21, 2011

VOC's		**Bold = Groundwater RCL**	**Underline & Bold = Direct Contact RCL**	**Asteric * & Bold =Soil Saturation (C-sat) RCL**
Sample ID#	B-1-5			
Sample Depth/ft.	18-18.5			
Solids Percent	85.9	==	==	
DRO/ppm	602	= =	= =	= =
GRO/ppm	1090	= =	= =	= =
Benzene/ppm	**1.35**	0.00512	1.49	1820
Bromobenzene/ppm	< 0.140	= =	354	= =
Bromodichloromethane/ppm	< 0.120	0.000326	0.39	= =
Bromoform/ppm	< 0.200	0.00233	61.6	= =
tert-Butylbenzene/ppm	< 0.540	= =	183	183
sec-Butylbenzene/ppm	1.7	= =	145	145
n-Butylbenzene/ppm	6.6	= =	108	108
Carbon Tetrachloride/ppm	< 0.120	0.00388	0.85	= =
Chlorobenzene/ppm	< 0.094	= =	392	= =
Chloroethane/ppm	< 1.420	0.227	= =	= =
Chloroform/ppm	< 0.460	0.0033	0.42	= =
Chloromethane/ppm	< 2.070	0.0155	171	= =
2-Chlorotoluene/ppm	< 0.840	= =	= =	= =
4-Chlorotoluene/ppm	< 0.760	= =	= =	= =
1,2-Dibromo-3-chloropropane/ppm	< 0.770	0.000173	0.01	= =
Dibromochloromethane/ppm	< 0.095	0.032	0.93	= =
1,4-Dichlorobenzene/ppm	< 0.520	0.144	3.48	= =
1,3-Dichlorobenzene/ppm	< 0.530	1.15	297	297
1,2-Dichlorobenzene/ppm	< 0.510	1.17	376	376
Dichlorodifluoromethane/ppm	< 0.120	3.08	135	= =
1,2-Dichloroethane/ppm	< 0.130	0.00284	0.61	540
1,1-Dichloroethane/ppm	< 0.110	0.484	4.72	= =
1,1-Dichloroethene/ppm	< 0.220	0.00502	342	= =
cis-1,2-Dichloroethene/ppm	< 0.140	0.0412	156	= =
trans-1,2-Dichloroethene/ppm	< 0.220	0.0588	211	= =
1,2-Dichloropropane/ppm	< 0.110	0.00332	1.33	= =
2,2-Dichloropropane/ppm	< 0.330	= =	527	527
1,3-Dichloropropane/ppm	< 0.110	= =	1490	1490
Di-isopropyl ether/ppm	< 0.470	= =	2260	2260
EDB (1,2-Dibromoethane)/ppm	< 0.170	0.0000282	0.05	= =
Ethylbenzene/ppm	**28.8**	1.57	7.47	480
Hexachlorobutadiene/ppm	< 0.950	= =	6.23	= =
Isopropylbenzene/ppm	4.3	= =	= =	= =
p-Isopropyltoluene/ppm	1.080 "J"	= =	162	162
Methylene chloride/ppm	< 1.190	0.00256	60.7	= =
Methyl tert-butyl ether (MTBE)/ppm	< 0.120	0.027	59.4	8870
Naphthalene/ppm	**6**	0.659	5.15	= =
n-Propylbenzene/ppm	14.8	= =	= =	= =
1,1,2,2-Tetrachloroethane/ppm	< 0.200	0.000156	0.75	= =
1,1,1,2-Tetrachloroethane/ppm	< 0.410	0.0533	2.59	= =
Tetrachloroethene (PCE)/ppm	< 0.240	0.00454	30.7	= =
Toluene/ppm	0.890 "J"	1.11	818	818
1,2,4-Trichlorobenzene/ppm	< 0.740	0.408	22.1	= =
1,2,3-Trichlorobenzene/ppm	< 1.290	= =	48.9	= =
1,1,1-Trichloroethane/ppm	< 0.110	0.14	= =	= =
1,1,2-Trichloroethane/ppm	<0.160	0.00324	1.48	= =
Trichloroethene (TCE)/ppm	< 0.170	0.00358	0.64	= =
Trichlorofluoromethane/ppm	< 0.430	= =	1120	= =
1,2,4-Trimethylbenzene/ppm	**68**	1.38	89.8	219
1,3,5-Trimethylbenzene/ppm	**216**		182	182
Vinyl Chloride/ppm	< 0.160	0.000138	0.07	= =
m&p-Xylene/ppm	**81**	3.94	258	258
o-Xylene/ppm	**23.7**			

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

A.3. Residual Soil Contamination
Countryside Motors BRRTS# 03-22-002037

Sample ID	Depth (feet)	Saturation U/S	Date	PID	Lead (ppm)	DRO (ppm)	GRO (ppm)	Benzene (ppm)	Ethyl Benzene (ppm)	MTBE (ppm)	Naph-thalene (ppm)	Toluene (ppm)	1,2,4-Trime-thylbenzene (ppm)	1,3,5-Trime-thylbenzene (ppm)	Xylene (Total) (ppm)	Other VOC's (ppm)	DIRECT CONTACT PVOC & PAH COMBINED: Exeedance Count	Hazard Index	Cumulative Cancer Risk
B-7-2	8	U	09/22/11	40	NS	23.4	93	<0.025	0.112	<0.025	**0.680**	0.052	0.7400	0.590	0.818	NS			
B-8-3	12	U	09/26/11	110	NS	380	168	**0.076**	0.520	<0.025	**0.980**	0.340	**0.730**	**0.900**	1.41	NS			
B-8-4	16	U	09/26/11	90	NS	237	134	**0.490**	0.360	<0.025	0.640	0.560	**1.07**	**0.830**	1.22	NS			
B-8-5	20	U	09/26/11	70	NS	330	111	**0.294**	0.330	<0.025	**3.3**	0.660	0.450	0.540	0.650	NS			
EX-7	18	U	10/11-14/15	NM	NS	NS	NS	**0.36**	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
EX-14	20.5	U	10/11-14/15	NM	NS	NS	NS	**1.71**	**13.2**	<0.25	**4.9**	**1.77**	**53**	**16.5**	**70.3**	NS			
EX-15	13	U	10/11-14/15	NM	NS	NS	NS	**0.076**	0.139	<0.025	0.155	0.083	0.41	0.185	0.571	NS			
EX-16	18	U	10/11-14/15	NM	NS	NS	NS	**0.42**	**3.16**	<0.025	**5.6**	0.35	**29.1**	**9.1**	**12.43**	NS			
EX-17	13	U	10/11-14/15	NM	NS	NS	NS	**0.095**	0.288	<0.025	**2.74**	0.51	**0.39**	**1.35**	1.864	NS			
Groundwater RCL					**27**	-	-	**0.00512**	**1.57**	**0.027**	**0.6582**	1.11	**1.38**		**3.96**	-			
Non-Industrial Direct Contact RCL					**400**	-	-	**1.6**	**8.02**	**63.8**	**5.52**	**818**	**219**	**182**	**258**	-		1.00E+00	1.00E-05
Industrial Direct Contact RCL					**(800)**	-	-	**(7.07)**	**(35.4)**	**(282)**	**(24.1)**	**(818)**	**(219)**	**(182)**	**(258)**	-		1.00E+00	1.00E-05
Soil Saturation Concentration (C-sat)*					-	-	-	**1820***	**480***	**8870***	-	**818***	**219***	**182***	**258***	-			

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

A.6 Water Level Elevations
Countryside Motors BRRTS# 03-22-002037
Lancaster, Wisconsin

	MW-2	MW-2R	MW-3	MW-4	MW-5	MW-6	MW-7	PZ-5	Unknown Well
Ground Surface (feet msl)	1114.21	1114.32	1113.53	1114.94	1112.29	1113.89	NM	1112.27	1113.76
PVC top (feet msl)	1113.59	1113.75	1112.86	1114.51	1111.79	1113.59	1110.86	1111.97	1113.47
Well Depth (feet)	38.00	38.00	37.00	38.00	38.00	38.00	40.00	60.00	51.00
Top of screen (feet msl)	1086.21	1086.32	1086.53	1086.94	1084.29	1085.89	NM	1057.27	1072.76
Bottom of screen (feet msl)	1076.21	1076.32	1076.53	1076.94	1074.29	1075.89	NM	1052.27	1062.76
Depth to Water From Top of PVC (feet)									
02/20/12	30.17	NI	30.51	30.91	28.02	31.89	NI	29.30	31.16
5/21-22/12	30.26	NI	30.70	31.12	28.20	32.09	NI	29.51	31.37
08/12/13	28.90	NI	29.25	29.75	26.86	30.71	28.22	28.22	NM
11/12/13	30.63	NI	30.90	31.47	28.62	32.12	29.62	29.83	NM
05/11/16	A	29.58	29.61	30.30	27.32	31.19	28.57	28.45	NM
11/02/16	A	28.35	28.20	29.08	26.11	29.92	27.22	27.31	NM
05/02/17	A	28.40	28.50	29.13	25.97	30.25	27.44	26.92	NM
10/26/17	A	28.77	28.78	29.53	26.57	30.42	27.72	27.71	NM
Depth to Water From Ground Surface (feet)									
02/20/12	30.79	NI	31.86	30.61	30.44	32.51	NI	31.54	31.90
5/21-22/12	30.88	NI	32.05	30.82	30.62	32.71	NI	31.75	32.11
08/12/13	29.52	NI	30.60	29.45	29.28	31.33	NM	30.46	NM
11/12/13	31.25	NI	32.25	31.17	31.04	32.74	NM	32.07	NM
05/11/16	A	30.15	30.28	30.73	27.82	31.49	NM	28.75	NM
11/02/16	A	28.92	28.87	29.51	26.61	30.22	NM	27.61	NM
05/02/17	A	28.97	29.17	29.56	26.47	30.55	NM	27.22	NM
10/26/17	A	29.34	29.45	29.96	27.07	30.72	NM	28.01	NM
Groundwater Elevation (feet msl)									
02/20/12	1083.42	NI	1082.35	1083.60	1083.77	1081.70	NI	1082.67	1082.31
5/21-22/12	1083.33	NI	1082.16	1083.39	1083.59	1081.50	NI	1082.46	1082.10
08/12/13	1084.69	NI	1083.61	1084.76	1084.93	1082.88	1082.64	1083.75	NM
11/12/13	1082.96	NI	1081.96	1083.04	1083.17	1081.47	1081.24	1082.14	NM
05/11/16	A	1084.17	1083.25	1084.21	1084.47	1082.40	1082.29	1083.52	NM
11/02/16	A	1085.40	1084.66	1085.43	1085.68	1083.67	1083.64	1084.66	NM
05/02/17	A	1085.35	1084.36	1085.38	1085.82	1083.34	1083.42	1085.05	NM
10/26/17	A	1084.98	1084.08	1084.98	1085.22	1083.17	1083.14	1084.26	NM

Note: Elevations are presented in feet mean sea level (msl).
CNL = Could Not Locate
NI = Not Installed
NM = Not Measured

A.7 Other
Groundwater NA Indicator Results
Countryside Motors BRRTS# 03-22-002037

Monitoring Well MW-2

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppb)	Man-ganese (ppb)
02/20/12	1.08	6.57	347.00	11.40	521	0.2	16.1	320	**533**
05/22/12	1.91	6.97	-377.00	14.70	517	NS	NS	NS	NS
08/12/13	0.09	6.63	-118.00	15.40	879	NS	NS	NS	NS
11/12/13	0.58	6.85	-98.00	11.70	945	NS	NS	NS	NS
ENFORCE MENT STANDARD = **ES – Bold**						10	-	-	300
PREVENTIVE ACTION LIMIT = *PAL - Italics*						2	-	-	60

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

Monitoring Well MW-2R

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppb)	Man-ganese (ppb)
05/11/16	0.45	6.74	3.00	13.10	463	NS	NS	NS	NS
11/02/16	1.71	7.12	16.00	14.10	1597	NS	NS	NS	NS
05/02/17	1.26	6.79	197.00	12.10	633	NS	NS	NS	NS
10/26/17	1.42	6.97	46.00	13.30	811	NS	NS	NS	NS
ENFORCE MENT STANDARD = ES **– Bold**						10	-	-	300
PREVENTIVE ACTION LIMIT = *PAL - Italics*						2	-	-	60

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

Monitoring Well MW-3

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppb)	Man-ganese (ppb)
02/20/12	1.44	6.77	-23.00	11.60	464	<0.1	38.4	280	**673**
05/22/12	1.24	7.25	-322.00	13.60	604	NS	NS	NS	NS
08/12/13	0.12	6.79	-124.00	14.60	869	NS	NS	NS	NS
11/12/13	0.28	6.96	-69.00	12.60	805	NS	NS	NS	NS
05/11/16	0.71	6.75	26.00	12.90	599	NS	NS	NS	NS
11/02/16	1.83	7.26	4.00	14.00	1411	NS	NS	NS	NS
05/02/17	1.68	6.87	138.00	12.00	661	NS	NS	NS	NS
10/26/17	2.06	7.09	104.00	13.50	2110	NS	NS	NS	NS
ENFORCE MENT STANDARD = ES **– Bold**						10	-	-	300
PREVENTIVE ACTION LIMIT = *PAL - Italics*						2	-	-	60

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

A.7 Other
Groundwater NA Indicator Results
Countryside Motors BRRTS# 03-22-002037

Monitoring Well MW-4

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppb)	Man-ganese (ppb)
02/20/12	1.24	6.54	50.00	11.00	577	0.6	242	460	**832**
05/21/12	2.14	6.82	-293.00	13.50	1329	NS	NS	NS	NS
08/12/13	0.20	6.52	28.00	15.60	1650	NS	NS	NS	NS
11/12/13	0.20	6.99	53.00	11.80	1495	NS	NS	NS	NS
05/11/16	1.30	6.65	183.00	12.80	705	NS	NS	NS	NS
11/02/16	3.04	6.79	197.00	13.60	1218	NS	NS	NS	NS
05/02/17	3.86	6.60	348.00	10.90	1223	NS	NS	NS	NS
10/26/17	NOT SAMPLED					NS	NS	NS	NS
ENFORCE MENT STANDARD = **ES – Bold**						10	-	-	300
PREVENTIVE ACTION LIMIT = *PAL - Italics*						2	-	-	60

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

Monitoring Well MW-5

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppb)	Man-ganese (ppb)
02/20/12	5.03	6.91	232.00	9.90	230	0.9	39.3	70	18.1
05/21/12	6.77	7.41	-219.00	13.50	1110	NS	NS	NS	NS
08/12/13	4.51	7.27	19.00	11.60	507	NS	NS	NS	NS
11/12/13	5.07	7.31	103.00	10.90	489.5	NS	NS	NS	NS
05/11/16	1.47	7.37	297.00	11.70	456.0	NS	NS	NS	NS
11/02/16	3.91	6.83	244.00	13.30	714	NS	NS	NS	NS
05/02/17	5.13	6.82	269.00	11.10	1462	NS	NS	NS	NS
10/26/17	NOT SAMPLED					NS	NS	NS	NS
ENFORCE MENT STANDARD = **ES – Bold**						10	-	-	300
PREVENTIVE ACTION LIMIT = *PAL - Italics*						2	-	-	60

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

Monitoring Well MW-6

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppb)	Man-ganese (ppb)
02/20/12	3.38	6.69	156.00	11.00	402	0.6	87.8	<60	15.7
05/21/12	4.11	7.21	-269.00	13.60	569	NS	NS	NS	NS
08/12/13	1.66	6.92	25.00	14.40	755	NS	NS	NS	NS
11/12/13	1.47	7.11	193.00	12.10	752	NS	NS	NS	NS
05/11/16	1.26	7.04	157.00	13.00	578	NS	NS	NS	NS
11/02/16	3.19	6.49	214.00	13.40	318	NS	NS	NS	NS
05/02/17	2.99	7.08	270.00	11.50	650	NS	NS	NS	NS
10/26/17	NOT SAMPLED					NS	NS	NS	NS
ENFORCE MENT STANDARD = **ES – Bold**						10	-	-	300
PREVENTIVE ACTION LIMIT = *PAL - Italics*						2	-	-	60

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

A.7 Other
Groundwater NA Indicator Results
Countryside Motors BRRTS# 03-22-002037

Monitoring Well MW-7

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppb)	Man-ganese (ppb)
08/12/13	0.54	6.88	-2.00	12.30	1811	NS	NS	NS	NS
11/12/13	1.72	7.01	206.00	11.40	2029	NS	NS	NS	NS
05/11/16	1.31	6.56	216.00	12.30	619	NS	NS	NS	NS
11/02/16	2.61	6.94	177.00	13.90	383	NS	NS	NS	NS
05/02/17	3.16	7.02	207.00	11.90	1819	NS	NS	NS	NS
10/26/17	NOT SAMPLED					NS	NS	NS	NS
ENFORCE MENT STANDARD = **ES – Bold**						10	-	-	300
PREVENTIVE ACTION LIMIT = *PAL - Italics*						2	-	-	. 60

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

Monitoring Well PZ-5

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppb)	Man-ganese (ppb)
02/20/12	2.15	6.73	149.00	9.80	137	1.2	95.7	160	22.2
05/21/12	1.46	7.17	-313.00	13.30	603	NS	NS	NS	NS
08/12/13	3.04	7.00	3.00	13.70	814	NS	NS	NS	NS
11/12/13	2.50	7.1	61.00	10.70	798	NS	NS	NS	NS
05/11/16	1.65	7.67	239.00	12.40	674	NS	NS	NS	NS
11/02/16	3.78	6.59	237.00	13.20	1016	NS	NS	NS	NS
05/02/17	7.63	6.57	246.00	10.70	810	NS	NS	NS	NS
10/26/17	NOT SAMPLED					NS	NS	NS	NS
ENFORCE MENT STANDARD = **ES – Bold**						10	-	-	300
PREVENTIVE ACTION LIMIT = *PAL - Italics*						2	-	-	60

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

Municipal Well

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppb)	Man-ganese (ppb)
02/20/12	NOT SAMPLED								
05/22/12	NOT SAMPLED								
08/12/13	NOT SAMPLED								
11/12/13	NOT SAMPLED								
05/11/16	NOT SAMPLED								
11/02/16	NOT SAMPLED								
05/02/17	NOT SAMPLED								
10/26/17	NOT SAMPLED					NS	NS	NS	NS
ENFORCE MENT STANDARD = **ES – Bold**						10	-	-	300
PREVENTIVE ACTION LIMIT = *PAL - Italics*						2	-	-	60

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

A.7 Other
Groundwater NA Indicator Results
Countryside Motors BRRTS# 03-22-002037

Unknown Well
PVC Elevation = 1113.47 (feet) (MSL)

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppb)	Man-ganese (ppb)
02/20/12	1.95	6.85	79.00	11.80	449.00	<0.1	8.0	210	**410**
05/22/12	0.89	7.31	-378.00	14.00	583.00	NS	NS	NS	NS
08/12/13	NOT SAMPLED								
11/12/13	NOT SAMPLED								
05/11/16	NOT SAMPLED								
11/02/16	NOT SAMPLED								
05/02/17	NOT SAMPLED								
10/26/17	NOT SAMPLED					NS	NS	NS	NS
ENFORCE MENT STANDARD = **ES – Bold**						10	-	-	300
PREVENTIVE ACTION LIMIT = *PAL - Italics*						2	-	-	60

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

Flow Velocity Calculations
Countryside Motors BRRTS# 03-22-002037

Low

	ft/s	ft/year	cm/s	m/yr
K	9.84E-10	3.11E-02	3.00E-08	0.01
	sq ft/s	**sq cm/s**		
T	2.38E-04	2.21E-01		

High

	ft/s	ft/year	cm/s	m/yr
K	1.97E-05	6.21E+02	6.00E-04	189.21
	sq ft/s	**sq cm/s**		
T	6.51E-04	6.05E-01		

Date	Elv. (High)	Elv. (Low)	Distance (ft)	Hyd Grad (I)
02/20/12	1083.50	1082.00	86	1.74E-02
05/21-22/12	1083.50	1082.00	87	1.72E-02
08/12/13	1084.50	1083.00	75	2.00E-02
11/12/13	1083.00	1081.50	99	1.52E-02
05/11/16	1084.00	1082.50	87	1.72E-02
11/02/16	1085.50	1084.00	104	1.44E-02
05/02/17	1085.50	1083.50	111	1.80E-02
10/26/17	1085.00	1083.50	95	1.58E-02
			Average	1.69E-02

	K (m/yr)	AverageHyd Grad (I)	Porosity (n)	Flow Velocity(m/yr)
Low	0.00946068	1.69E-02	0.3	5.33E-04
High	189.2137	1.69E-02	0.3	10.66745
			Average	5.333992054

Attachment B/Maps and Figures

B.1 Location Maps

B.1.a Location Map

B.1.b Detailed Site Map

B.1.c RR Sites Map

B.2 Soil Figures

B.2.a Soil Contamination

B.2.b Residual Soil Contamination

B.3 Groundwater Figures

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

B.3.b Groundwater Isoconcentration

B.3.c Groundwater Flow Direction

B.3.d Monitoring Wells

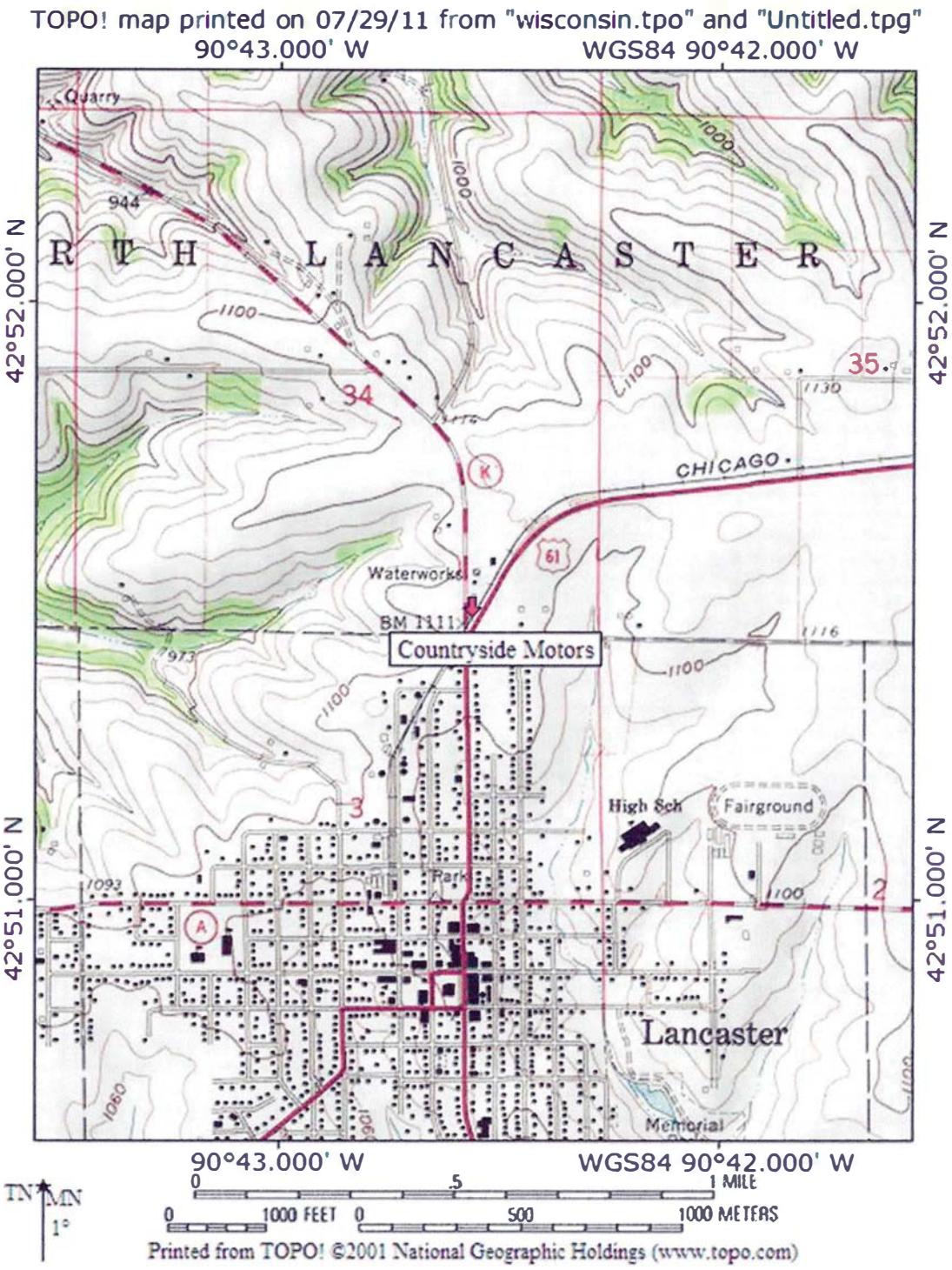
B.4 Vapor Maps and Other Media

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

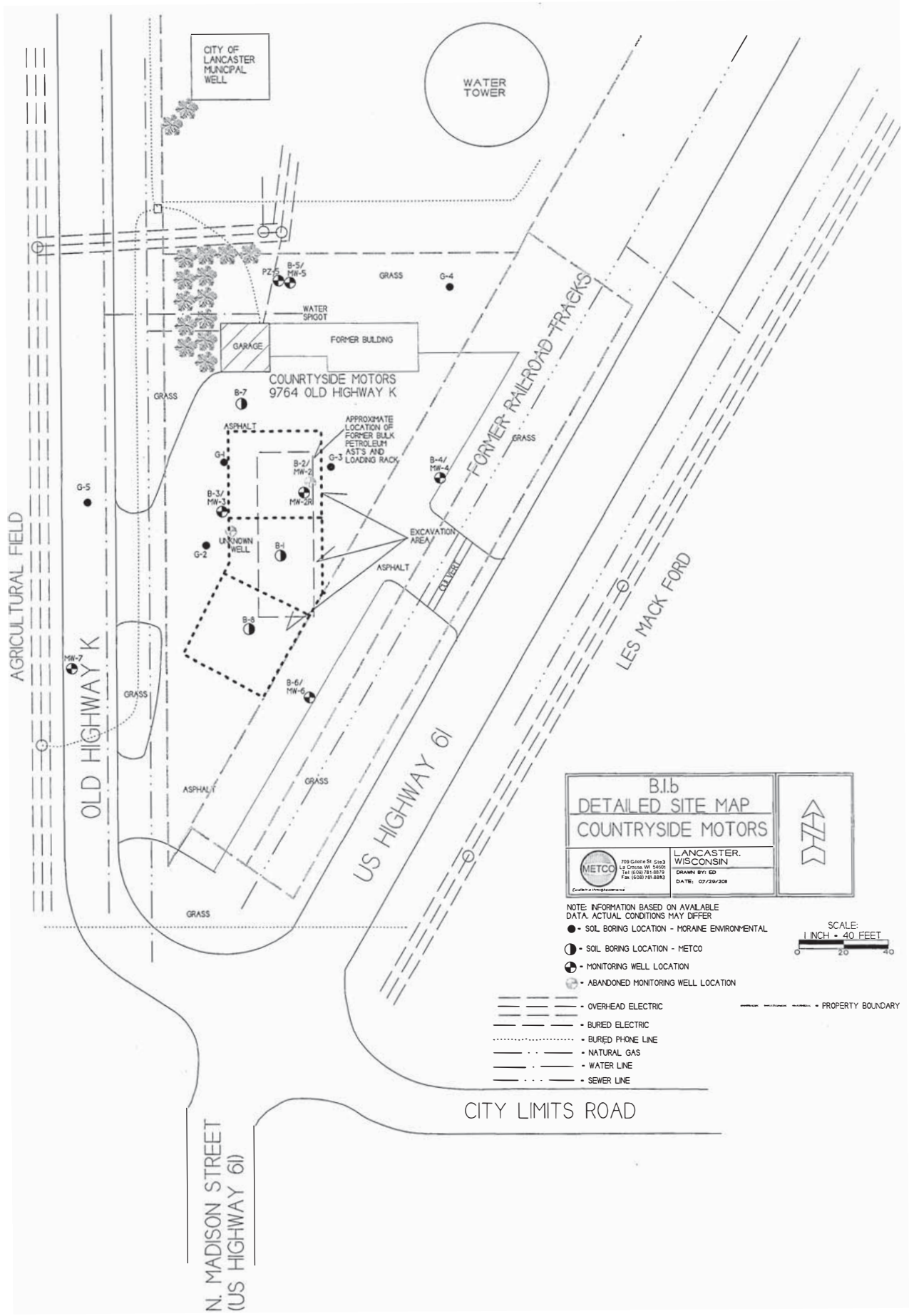
B.4.b Other media of concern (e.g., sediment or surface water) – No surface waters or sediments were sampled as part of this site investigation.

B.4.c Other – Municipal Well #1 documentation

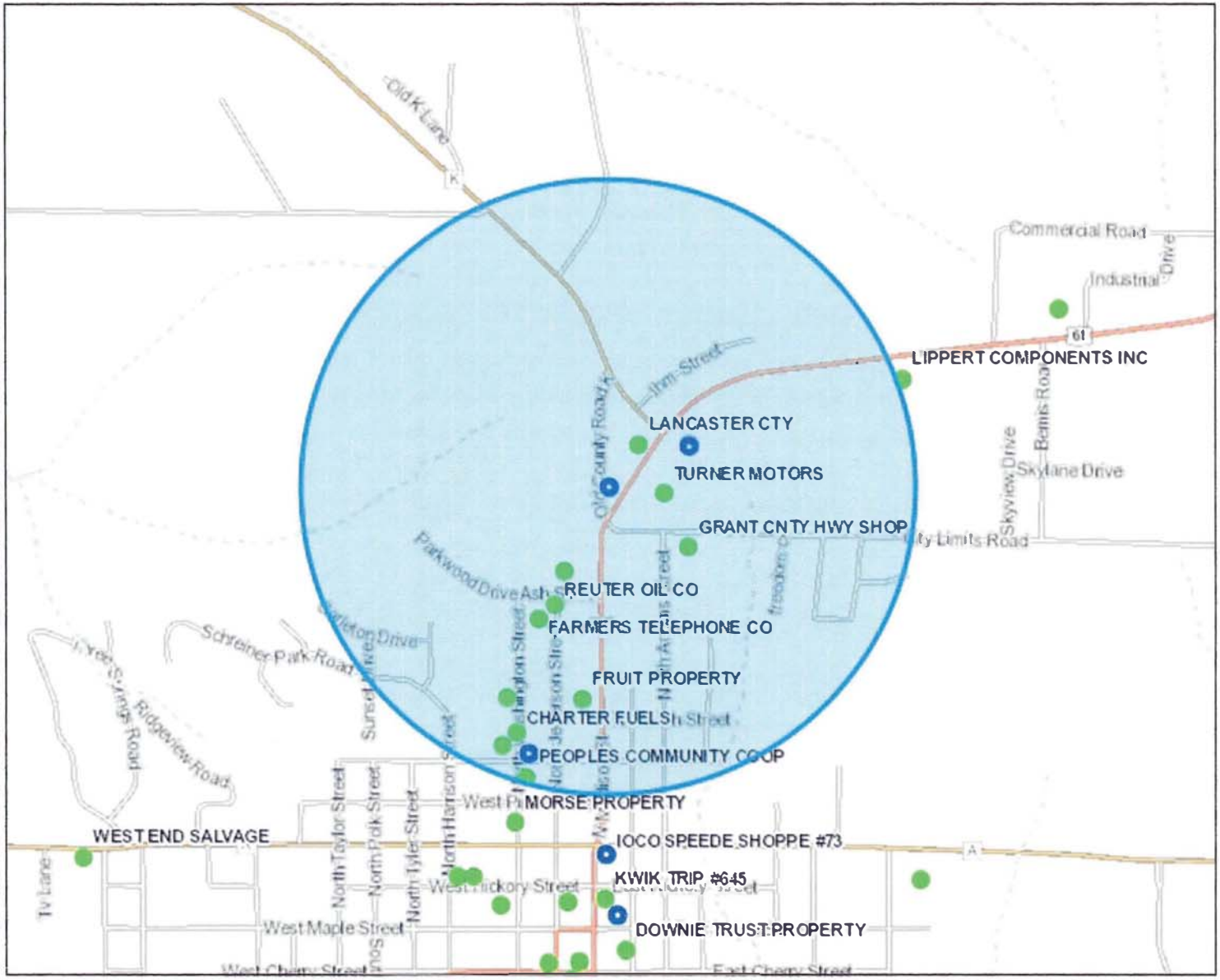
B.5 Structural Impediment Photos – No structural impediments interfered with the investigation, therefore no photos are being included.



B.1.a LOCATION MAP – CONTOUR INTERVAL 20 FEET
COUNTRYSIDE MOTORS – LANCASTER, WI
SEAMLESS USGS TOPOGRAPHIC MAPS ON CD-ROM


CITY OF LANCASTER MUNICIPAL WELL
WATER TOWER
PZ-5
B-5/ MW-5
GRASS
G-4
WATER SPIGOT
GARAGE
FORMER BUILDING
COUNRTYSIDE MOTORS
9764 OLD HIGHWAY K
B-7
ASPHALT
APPROXIMATE LOCATION OF FORMER BULK PETROLEUM AST'S AND LOADING RACK
G-1
G-3
B-2/ MW-2
MW-2R
B-4/ MW-4
FORMER RAILROAD TRACKS
G-5
B-3/ MW-3
UNKNOWN WELL
G-2
B-1
EXCAVATION AREA
ASPHALT
CULVERT
B-8
MW-7
B-6/ MW-6
AGRICULTURAL FIELD
OLD HIGHWAY K
LES MACK FORD
US HIGHWAY 61
GRASS
ASPHALT
CITY LIMITS ROAD
N. MADISON STREET (US HIGHWAY 61)
B.I.b
DETAILED SITE MAP
COUNTRYSIDE MOTORS
METCO
709 Gillette St. Ste3
La Crosse, WI 54601
Tel (608) 781-8878
Fax (608) 781-8883
LANCASTER, WISCONSIN
DRAWN BY: ED
DATE: 07/29/208
NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER
- SOIL BORING LOCATION - MORAINE ENVIRONMENTAL
- SOIL BORING LOCATION - METCO
- MONITORING WELL LOCATION
- ABANDONED MONITORING WELL LOCATION
SCALE: 1 INCH = 40 FEET
0
20
40
- OVERHEAD ELECTRIC
- BURIED ELECTRIC
- BURIED PHONE LINE
- NATURAL GAS
- WATER LINE
- SEWER LINE
- PROPERTY BOUNDARY

B.1.c RR Sites Map



Legend

- Open Site (ongoing cleanup)
- Closed Site (completed cleanup)
- Municipality
- State Boundaries
- County Boundaries
- Major Roads
  - Interstate Highway
  - State Highway
  - US Highway
- County and Local Roads
  - County HWY
  - Local Road
- Railroads
- Tribal Lands

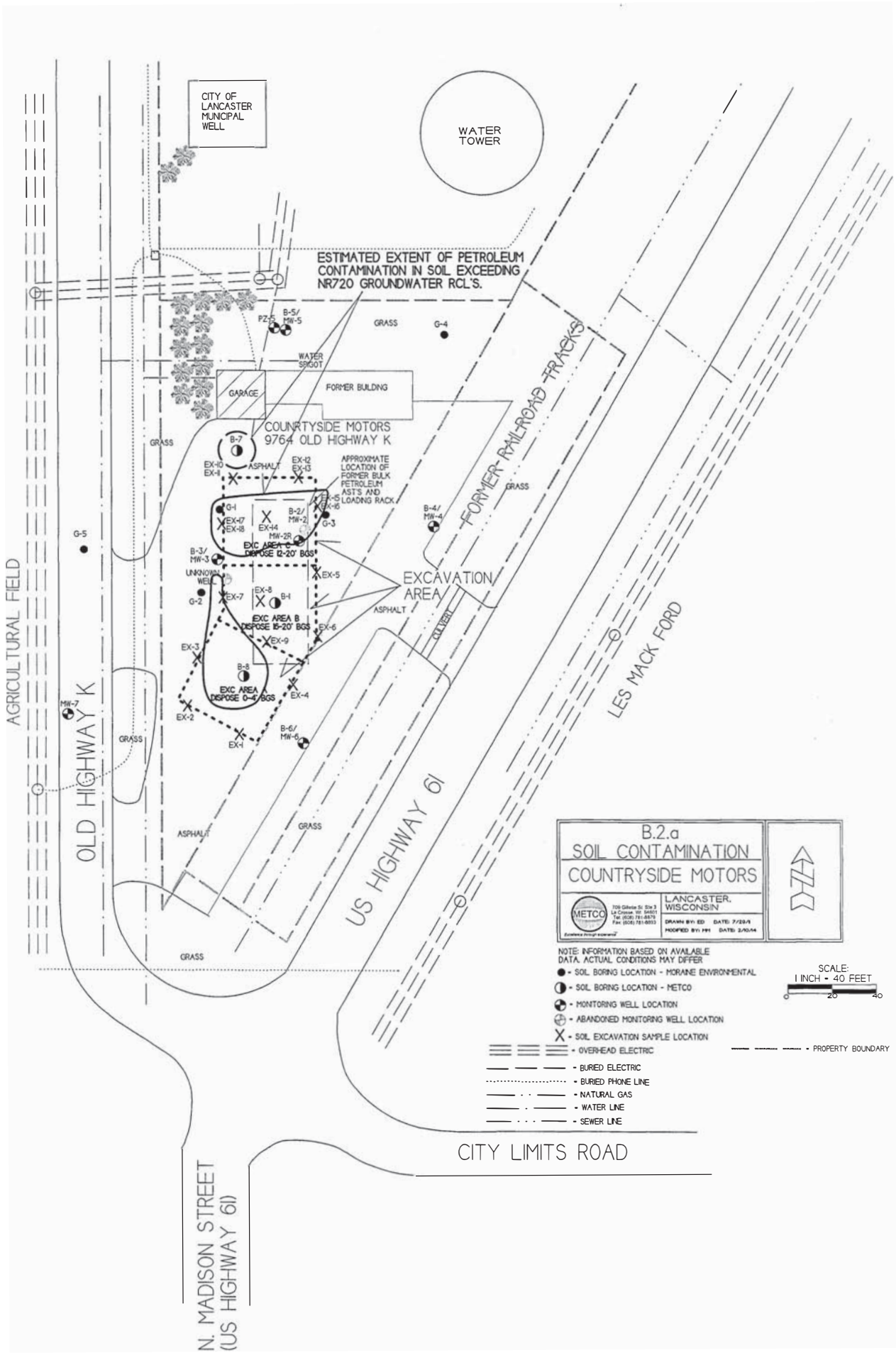
Notes

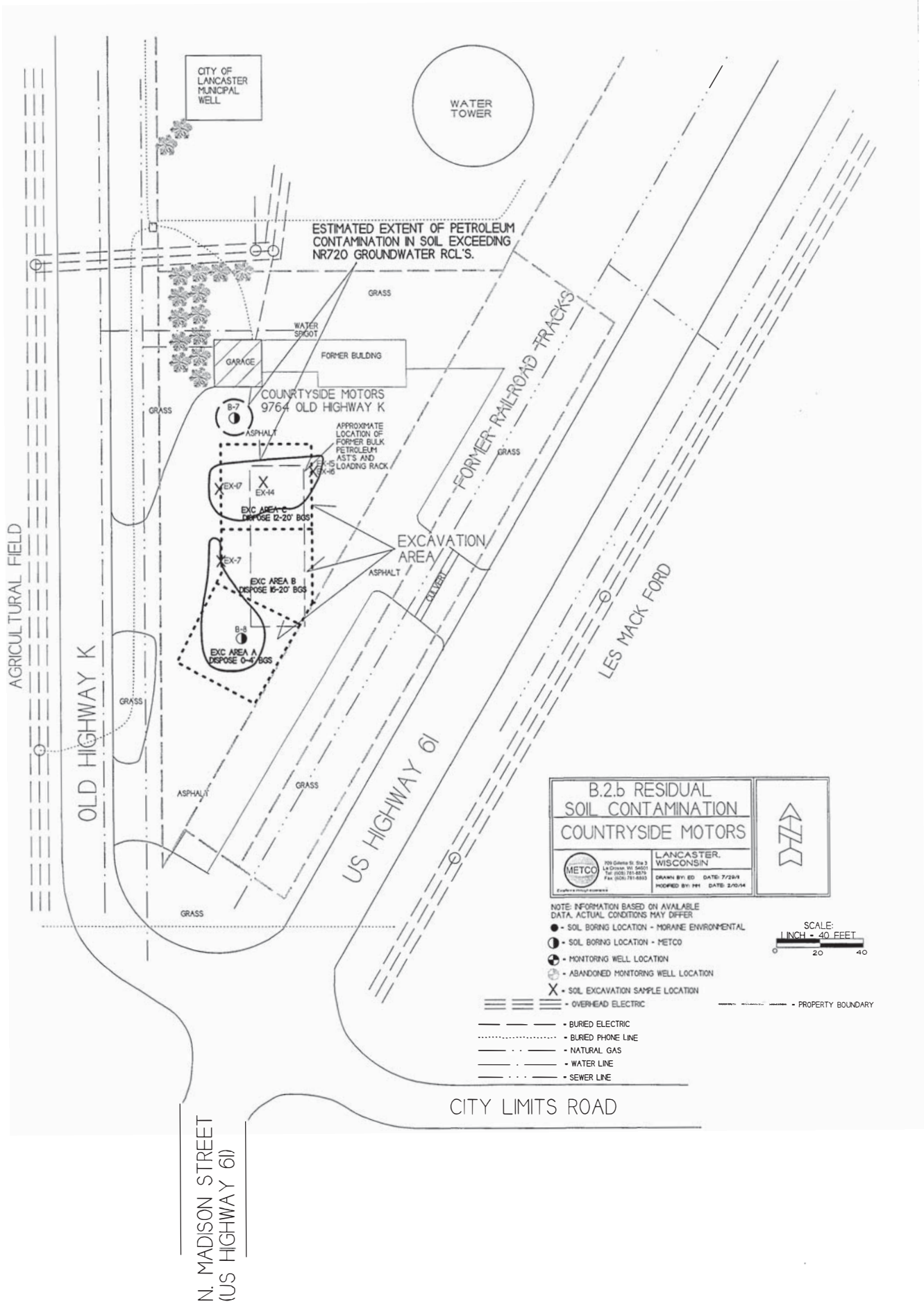
0.5 0 0.25 0.5 Miles

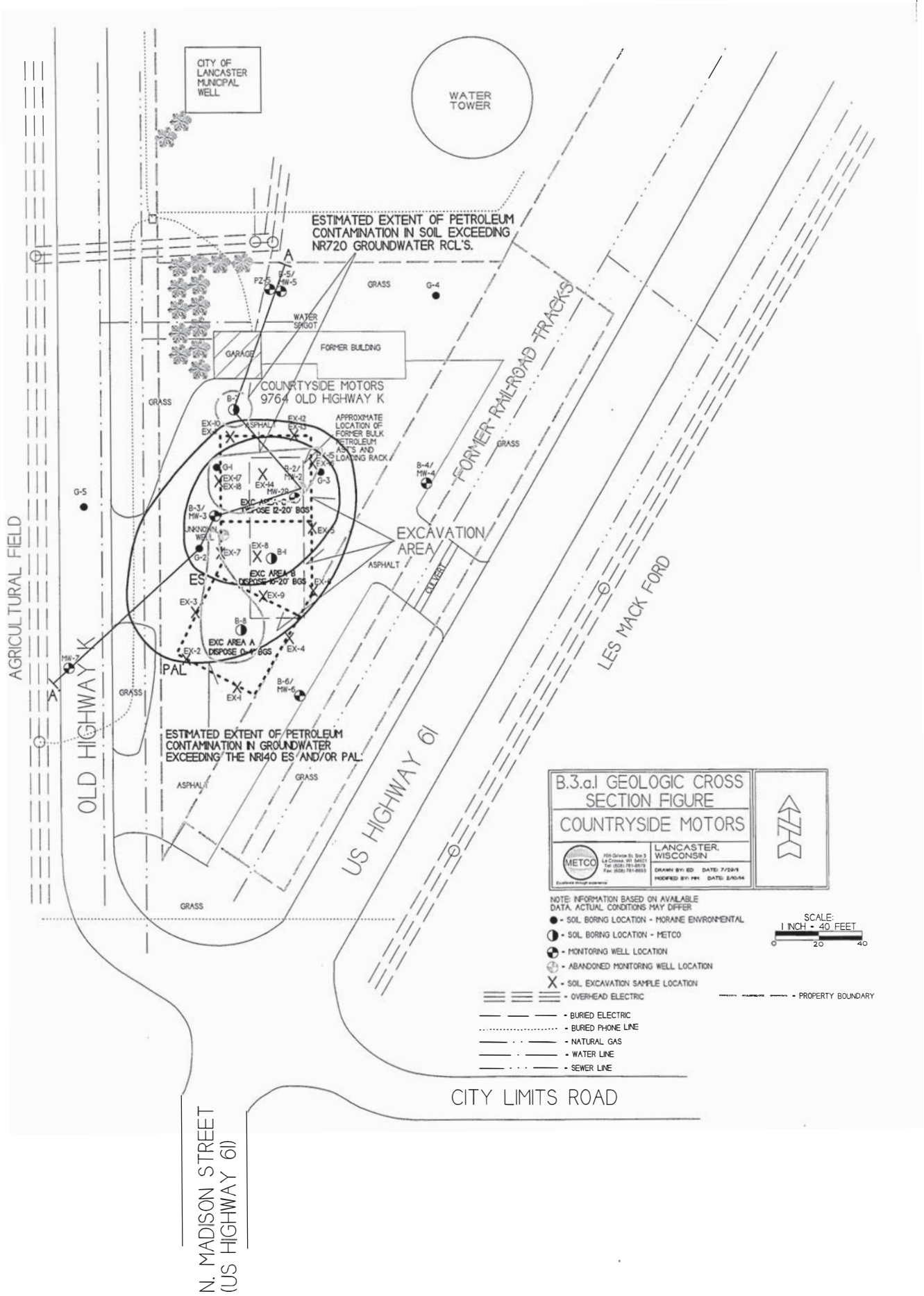
NAD_1983_HARN_Wisconsin_TM

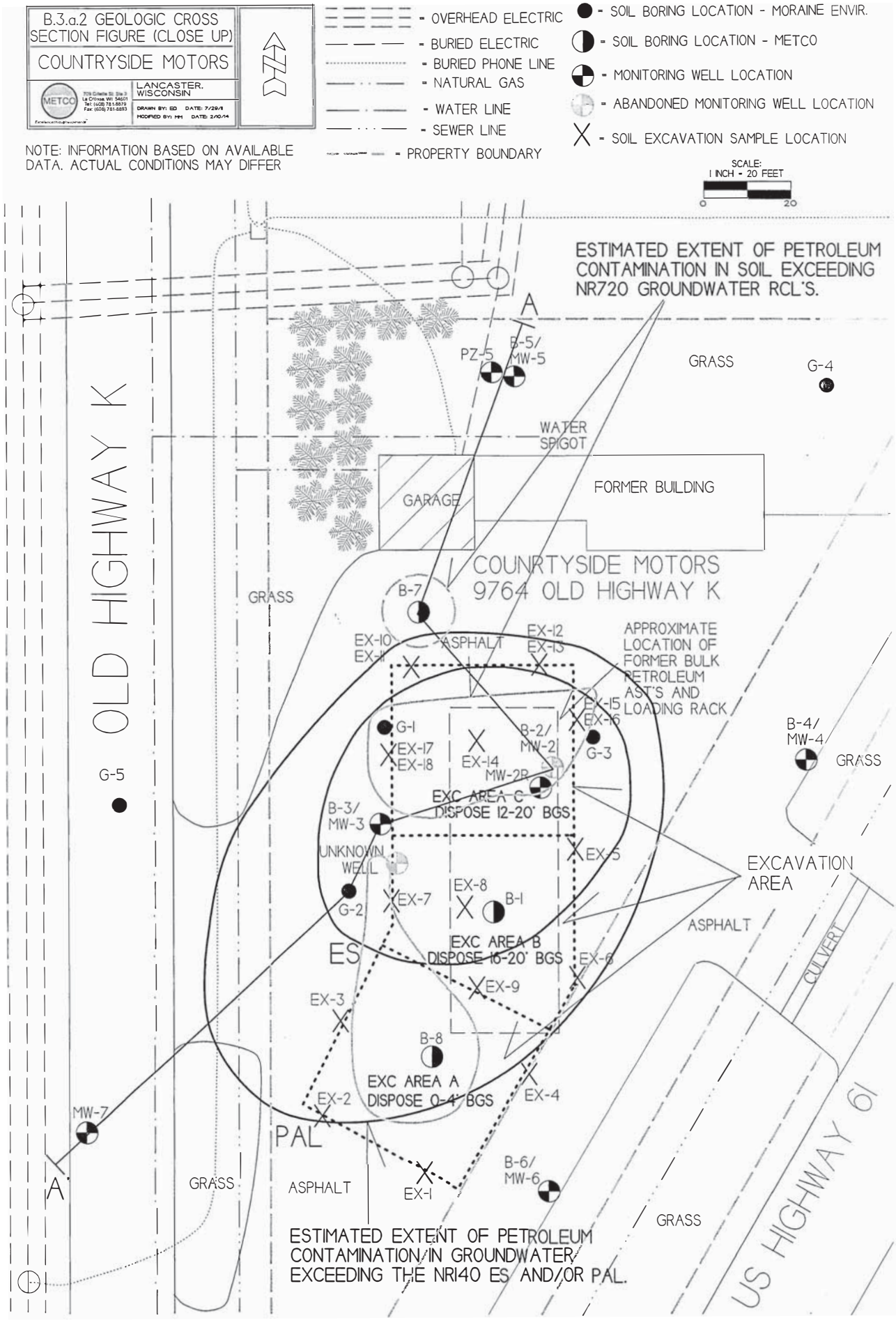
1: 15,840

Note: Not all sites are mapped.


CITY OF LANCASTER MUNICIPAL WELL
WATER TOWER
ESTIMATED EXTENT OF PETROLEUM CONTAMINATION IN SOIL EXCEEDING NR720 GROUNDWATER RCL'S.
B-5/ MW-5
PZ-5
GRASS
G-4
WATER SHOOT
GARAGE
FORMER BUILDING
COUNTRYSIDE MOTORS
9764 OLD HIGHWAY K
B-7
ASPHALT
EX-10
EX-11
EX-12
EX-13
APPROXIMATE LOCATION OF FORMER BULK PETROLEUM ASTS AND LOADING RACK
EX-15
EX-16
G-1
EX-17
EX-18
EX-14
B-2/ MW-2
G-3
MW-2R
EXC AREA C DISPOSE 12-20' BGS
B-4/ MW-4
FORMER RAILROAD TRACKS
B-3/ MW-3
UNKNOWN WELL
EX-5
EXCAVATION AREA
G-2
EX-7
EX-8
B-1
EXC AREA B DISPOSE 15-20' BGS
EX-6
EX-9
EX-3
B-8
EXC AREA DISPOSE 0-4' BGS
EX-4
EX-2
EX-1
B-6/ MW-6
MW-7
G-5
AGRICULTURAL FIELD
OLD HIGHWAY K
US HIGHWAY 61
LES MACK FORD
CITY LIMITS ROAD
N. MADISON STREET (US HIGHWAY 61)
B.2.a
SOIL CONTAMINATION
COUNTRYSIDE MOTORS
METCO
LANCASTER, WISCONSIN
NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER
- SOIL BORING LOCATION - MORAINE ENVIRONMENTAL
- SOIL BORING LOCATION - METCO
- MONITORING WELL LOCATION
- ABANDONED MONITORING WELL LOCATION
- SOIL EXCAVATION SAMPLE LOCATION
- OVERHEAD ELECTRIC
- BURIED ELECTRIC
- BURIED PHONE LINE
- NATURAL GAS
- WATER LINE
- SEWER LINE
- PROPERTY BOUNDARY
SCALE: 1 INCH = 40 FEET
0
20
40


CITY OF LANCASTER MUNICIPAL WELL
WATER TOWER
ESTIMATED EXTENT OF PETROLEUM CONTAMINATION IN SOIL EXCEEDING NR720 GROUNDWATER RCL'S.
GRASS
WATER SPIGOT
GARAGE
FORMER BUILDING
COUNRTYSIDE MOTORS
9764 OLD HIGHWAY K
B-7
ASPHALT
APPROXIMATE LOCATION OF FORMER BULK PETROLEUM AST'S AND LOADING RACK
EX-16
EX-17
EX-14
EXC AREA C DISPOSE 12-20' BGS
EXCAVATION AREA
EX-7
EXC AREA B DISPOSE 16-20' BGS
B-8
EXC AREA A DISPOSE 0-4' BGS
FORMER RAILROAD TRACKS
LES MACK FORD
AGRICULTURAL FIELD
OLD HIGHWAY K
US HIGHWAY 61
CITY LIMITS ROAD
N. MADISON STREET (US HIGHWAY 61)
B.2.b RESIDUAL SOIL CONTAMINATION
COUNTRYSIDE MOTORS
METCO
LANCASTER, WISCONSIN
NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER
- SOIL BORING LOCATION - MORAINE ENVIRONMENTAL
- SOIL BORING LOCATION - METCO
- MONITORING WELL LOCATION
- ABANDONED MONITORING WELL LOCATION
- SOIL EXCAVATION SAMPLE LOCATION
- OVERHEAD ELECTRIC
- PROPERTY BOUNDARY
- BURIED ELECTRIC
- BURIED PHONE LINE
- NATURAL GAS
- WATER LINE
- SEWER LINE
SCALE: 1 INCH = 40 FEET
20
40


CITY OF LANCASTER MUNICIPAL WELL
WATER TOWER
ESTIMATED EXTENT OF PETROLEUM CONTAMINATION IN SOIL EXCEEDING NR720 GROUNDWATER RCL'S.
GRASS
G-4
WATER SPIGOT
GARAGE
FORMER BUILDING
COUNRTYSIDE MOTORS
9764 OLD HIGHWAY K
ASPHALT
APPROXIMATE LOCATION OF FORMER BULK PETROLEUM AST'S AND LOADING RACK
FORMER RAILROAD TRACKS
B-4/ MW-4
G-5
EXCAVATION AREA
JUNKNOWN WELL
G-2
G-1
G-3
B-1
B-2/ MW-2
B-3/ MW-3
EXC AREA B DISPOSE 12-20' BGS
EXC AREA A DISPOSE 0-4' BGS
ES
PAL
B-5/ MW-5
PZ-5
B-6/ MW-6
MW-7
AGRICULTURAL FIELD
OLD HIGHWAY K
US HIGHWAY 61
LES MACK FORD
ESTIMATED EXTENT OF PETROLEUM CONTAMINATION IN GROUNDWATER EXCEEDING THE NR140 ES AND/OR PAL.
CITY LIMITS ROAD
N. MADISON STREET (US HIGHWAY 61)
B.3.a.I GEOLOGIC CROSS SECTION FIGURE
COUNTRYSIDE MOTORS
METCO
LANCASTER, WISCONSIN
NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER
- SOIL BORING LOCATION - MORAINE ENVIRONMENTAL
- SOIL BORING LOCATION - METCO
- MONITORING WELL LOCATION
- ABANDONED MONITORING WELL LOCATION
- SOIL EXCAVATION SAMPLE LOCATION
- OVERHEAD ELECTRIC
- BURIED ELECTRIC
- BURIED PHONE LINE
- NATURAL GAS
- WATER LINE
- SEWER LINE
- PROPERTY BOUNDARY
SCALE: 1 INCH = 40 FEET
0 20 40


B.3.a.2 GEOLOGIC CROSS SECTION FIGURE (CLOSE UP)
COUNTRYSIDE MOTORS
LANCASTER, WISCONSIN
METCO
DRAWN BY: ED DATE: 7/29/1
MODIFIED BY: MH DATE: 2/10/14
NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER
- OVERHEAD ELECTRIC
- BURIED ELECTRIC
- BURIED PHONE LINE
- NATURAL GAS
- WATER LINE
- SEWER LINE
- PROPERTY BOUNDARY
- SOIL BORING LOCATION - MORAINE ENVIR.
- SOIL BORING LOCATION - METCO
- MONITORING WELL LOCATION
- ABANDONED MONITORING WELL LOCATION
- SOIL EXCAVATION SAMPLE LOCATION
SCALE: 1 INCH = 20 FEET
0
20
ESTIMATED EXTENT OF PETROLEUM CONTAMINATION IN SOIL EXCEEDING NR720 GROUNDWATER RCL'S.
OLD HIGHWAY K
COUNRTYSIDE MOTORS
9764 OLD HIGHWAY K
GRASS
G-4
G-5
PZ-5
B-5/ MW-5
WATER SPIGOT
GARAGE
FORMER BUILDING
B-7
ASPHALT
EX-10
EX-11
EX-12
EX-13
APPROXIMATE LOCATION OF FORMER BULK PETROLEUM AST'S AND LOADING RACK
EX-15
EX-16
G-1
EX-17
EX-18
B-2/ MW-2
EX-14
G-3
MW-2R
B-4/ MW-4
EXC AREA C DISPOSE 12-20' BGS
B-3/ MW-3
UNKNOWN WELL
EX-5
EXCAVATION AREA
G-2
EX-7
EX-8
B-1
ES
EXC AREA B DISPOSE 16-20' BGS
EX-6
EX-9
EX-3
B-8
EXC AREA A DISPOSE 0-4' BGS
EX-2
EX-4
MW-7
PAL
A
A'
EX-1
B-6/ MW-6
CULVERT
US HIGHWAY 61
ESTIMATED EXTENT OF PETROLEUM CONTAMINATION IN GROUNDWATER EXCEEDING THE NR140 ES AND/OR PAL.

B.3.a.3 GEOLOGIC CROSS SECTION FIGURE

COUNTRYSIDE MOTORS

METCO
P.O. Box 3
La Crosse, WI 54603
Tel: (608) 781-5579
Fax: (608) 781-8893

LANCASTER, WISCONSIN

DRAWN BY: ED DATE: 7/29/14
MODIFIED BY: MH DATE: 2/10/14

INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER.

NOTES:

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

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

3) ELEVATION DATA IS PRESENTED IN FEET MEAN SEA LEVEL (MSL).

4) SOIL AND GROUNDWATER SAMPLE DATA IS BASED ON LABORATORY RESULTS FROM SAMPLES COLLECTED DURING THE FOLLOWING EVENTS:
- GEOPROBE PROJECT (9/14/93)
- DRILLING PROJECT (9/21-22/11 & 9/26/11)
- DRILLING PROJECT (5/8/13)
- ROUND 7 & 8 GROUNDWATER SAMPLING (5/2/17 & 10/26/17)

PID- PHOTO IONIZATION DETECTOR
VOC- VOLATILE ORGANIC COMPOUNDS
PVOC- PETROLEUM VOLATILE ORGANIC COMPOUNDS
B- BENZENE
EDB- 1,2-DIBROMOETHANE
E- ETHYLBENZENE
MTBE- METHYL TERT-BUTYL ETHER
NAPH- NAPHTHLENE
T- TOLUENE
TMB- TRIMETHYLBENZENE
X- XYLENE
NM- NOT MEASURED
NS- NOT SAMPLED

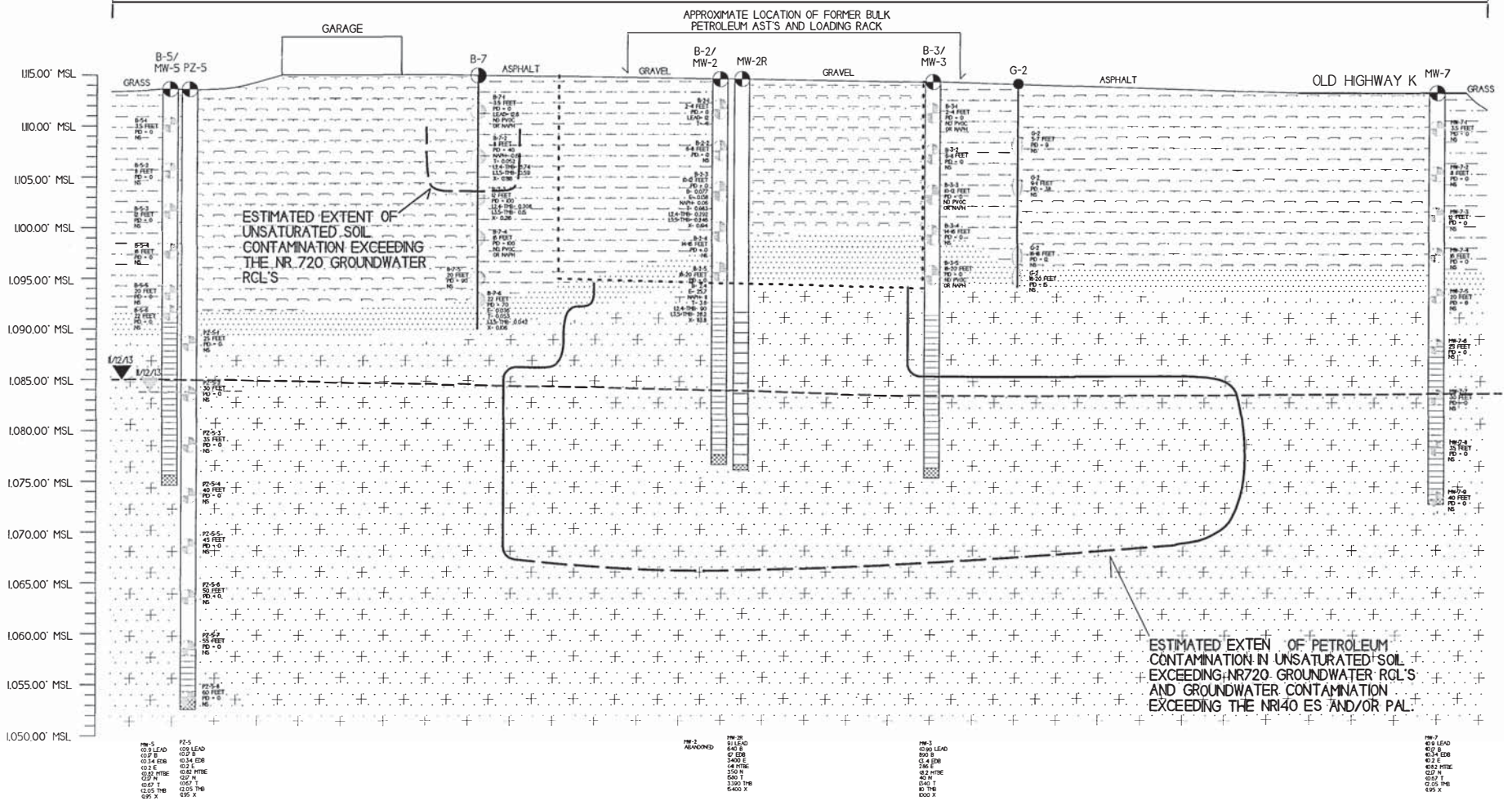
NOTE: PLEASE NOTE MONITORING WELL MW-2 IS ABANDONED

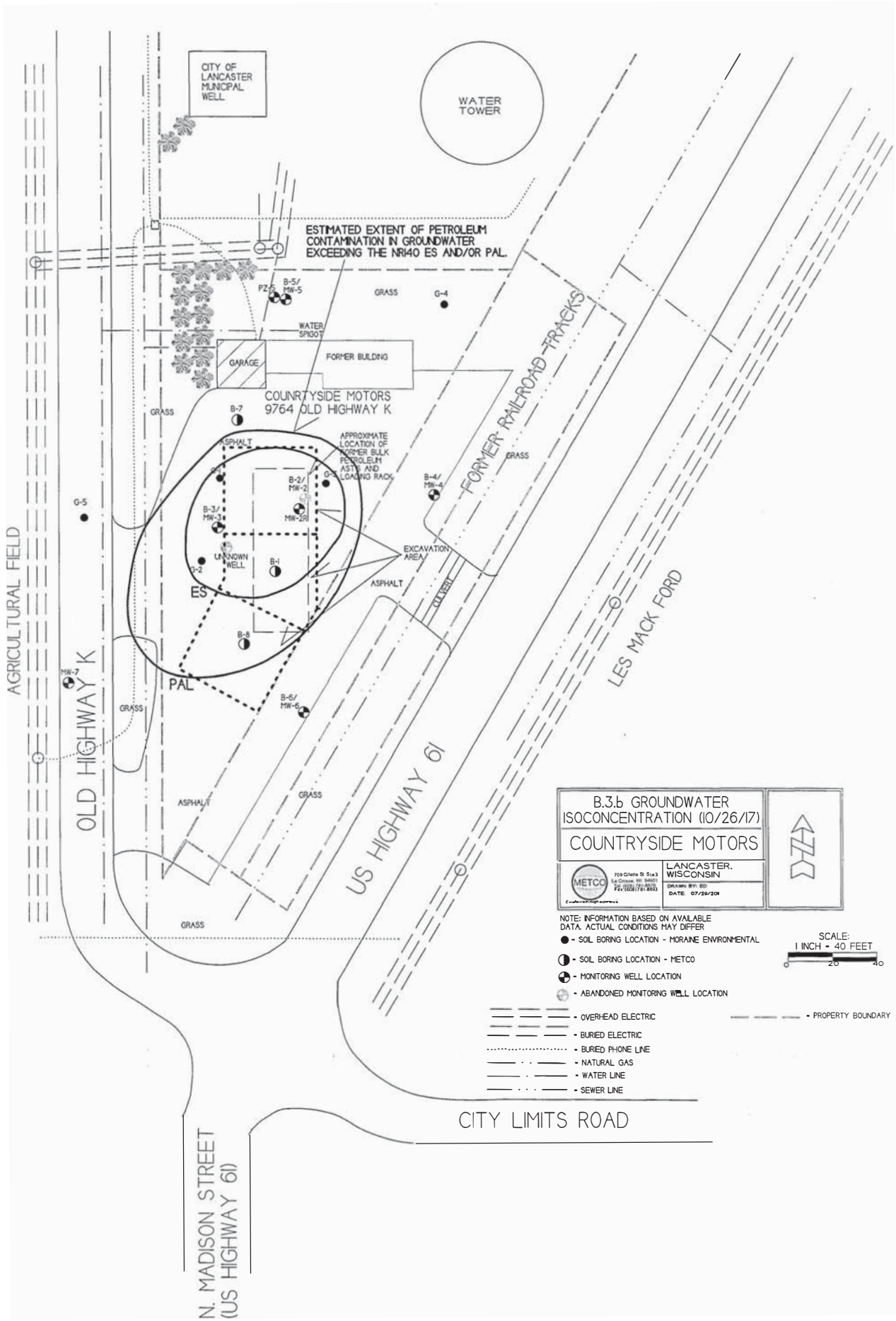
- GEOPROBE BORING LOCATION
- GEOPROBE SOIL SAMPLE LOCATION
- SOIL BORING LOCATION
- SOIL BORING SAMPLE LOCATION
- MONITORING/PIEZOMETER WELL LOCATION
- MONITORING/PIEZOMETER WELL SAMPLE LOCATION
- GROUNDWATER ELEVATION (MONITORING WELLS)
- GROUNDWATER ELEVATION (PIEZOMETER)
- AREA OF SOIL EXCAVATION

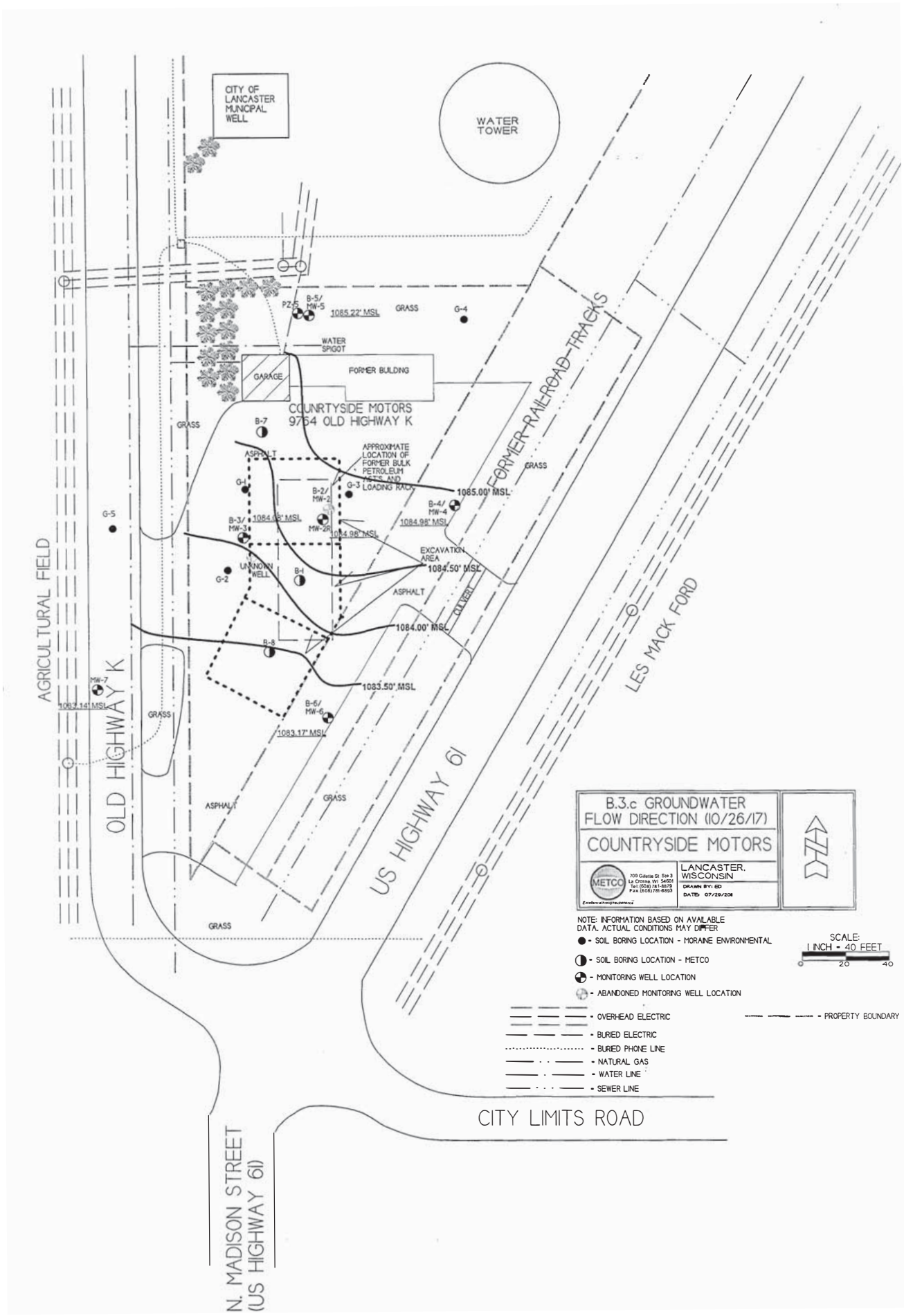
- ORANGE TO TAN TO BROWN TO GREEN SILT TO CLAY TO SANDY CLAY
- TAN VERY FINE TO FINE GRAINED SAND (WEATHERED SANDSTONE)
- TAN VERY FINE TO FINE GRAINED SANDSTONE

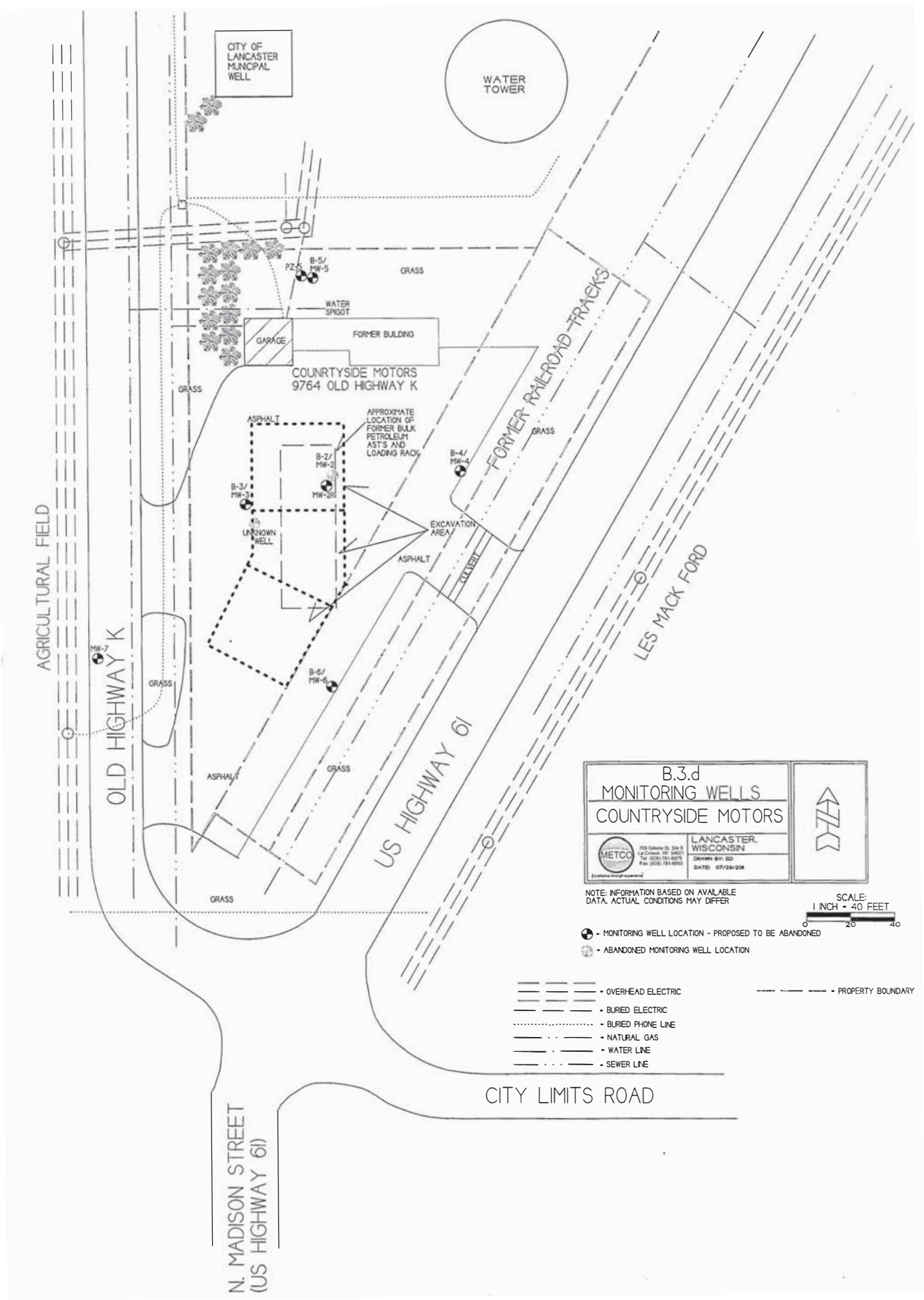
VERTICAL SCALE: 1 INCH = 10 FEET
HORIZONTAL SCALE: 1 INCH = 20 FEET

A NORTH — A' SOUTH




CITY OF LANCASTER MUNICIPAL WELL
WATER TOWER
ESTIMATED EXTENT OF PETROLEUM CONTAMINATION IN GROUNDWATER EXCEEDING THE NR140 ES AND/OR PAL.
PZ-5
B-5/ MW-5
GRASS
G-4
WATER SPIGOT
GARAGE
FORMER BUILDING
COUNRTYSIDE MOTORS
9764 OLD HIGHWAY K
B-7
ASPHALT
APPROXIMATE LOCATION OF FORMER BULK PETROLEUM ASTS AND LOADING RACK
G-1
G-3
B-2/ MW-2
MW-2R
B-4/ MW-4
FORMER RAILROAD TRACKS
G-5
B-3/ MW-3
EXCAVATION AREA
UNKNOWN WELL
G-2
B-1
ES
ASPHALT
CULVERT
B-8
PAL
MW-7
B-6/ MW-6
AGRICULTURAL FIELD
OLD HIGHWAY K
US HIGHWAY 61
LES MACK FORD
ASPHALT
CITY LIMITS ROAD
N. MADISON STREET (US HIGHWAY 61)
B.3.b GROUNDWATER ISOCONCENTRATION (10/26/17)
COUNTRYSIDE MOTORS
LANCASTER, WISCONSIN
METCO
709 Gillette St Ste3
La Crosse, WI 54603
Ph: (608)781.9681
Fax: (608)781.9693
DRAWN BY: ED
DATE: 07/29/208
NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER
- SOIL BORING LOCATION - MORAINE ENVIRONMENTAL
- SOIL BORING LOCATION - METCO
- MONITORING WELL LOCATION
- ABANDONED MONITORING WELL LOCATION
- OVERHEAD ELECTRIC
- BURIED ELECTRIC
- BURIED PHONE LINE
- NATURAL GAS
- WATER LINE
- SEWER LINE
- PROPERTY BOUNDARY
SCALE: 1 INCH = 40 FEET
0
20
40


CITY OF LANCASTER MUNICIPAL WELL
WATER TOWER
PZ-5
B-5/ MW-5
1085.22' MSL
GRASS
G-4
WATER SPIGOT
GARAGE
FORMER BUILDING
COUNRTYSIDE MOTORS
9754 OLD HIGHWAY K
B-7
APPROXIMATE LOCATION OF FORMER BULK PETROLEUM TANKS AND LOADING RACK
G-1
G-3
1085.00' MSL
B-2/ MW-2
B-4/ MW-4
1084.98' MSL
G-5
B-3/ MW-3
1084.98' MSL
MW-2R
1084.98' MSL
EXCAVATION AREA
1084.50' MSL
UNKNOWN WELL
G-2
B-1
ASPHALT
CULVERT
1084.00' MSL
B-8
1083.50' MSL
MW-7
1083.14' MSL
B-6/ MW-6
1083.17' MSL
AGRICULTURAL FIELD
OLD HIGHWAY K
FORMER RAILROAD TRACKS
LES MACK FORD
US HIGHWAY 61
CITY LIMITS ROAD
N. MADISON STREET (US HIGHWAY 61)
B.3.c GROUNDWATER FLOW DIRECTION (10/26/17)
COUNTRYSIDE MOTORS
METCO
709 Gillette St. Ste 3
La Crosse, WI 54601
Tel: (608) 781-8579
Fax: (608) 781-8603
LANCASTER, WISCONSIN
DRAWN BY: ED
DATE: 07/29/208
NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER
- SOIL BORING LOCATION - MORAINE ENVIRONMENTAL
- SOIL BORING LOCATION - METCO
- MONITORING WELL LOCATION
- ABANDONED MONITORING WELL LOCATION
- OVERHEAD ELECTRIC
- BURIED ELECTRIC
- BURIED PHONE LINE
- NATURAL GAS
- WATER LINE
- SEWER LINE
- PROPERTY BOUNDARY
SCALE: 1 INCH = 40 FEET
0
20
40


CITY OF LANCASTER MUNICIPAL WELL
WATER TOWER
PZ-5
B-5/ MW-5
GRASS
WATER SPIGOT
GARAGE
FORMER BUILDING
COUNRTYSIDE MOTORS
9764 OLD HIGHWAY K
GRASS
ASPHALT
APPROXIMATE LOCATION OF FORMER BULK PETROLEUM ASTS AND LOADING RACK
B-2/ MW-2
MW-2R
B-3/ MW-3
UNKNOWN WELL
EXCAVATION AREA
ASPHALT
B-4/ MW-4
FORMER RAILROAD TRACKS
GRASS
CULVERT
LES MACK FORD
AGRICULTURAL FIELD
OLD HIGHWAY K
MW-7
GRASS
B-6/ MW-6
US HIGHWAY 61
ASPHALT
GRASS
GRASS
B.3.d
MONITORING WELLS
COUNTRYSIDE MOTORS
METCO
LANCASTER, WISCONSIN
DRAWN BY: ED
DATE: 07/29/20#
NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER
SCALE:
1 INCH = 40 FEET
0
20
40
- MONITORING WELL LOCATION - PROPOSED TO BE ABANDONED
- ABANDONED MONITORING WELL LOCATION
- OVERHEAD ELECTRIC
- BURIED ELECTRIC
- BURIED PHONE LINE
- NATURAL GAS
- WATER LINE
- SEWER LINE
- PROPERTY BOUNDARY
CITY LIMITS ROAD
N. MADISON STREET
(US HIGHWAY 61)

B.4.c Other - Municipal Well #1 documentation

First Water Quality Test For WISCONSIN UNIQUE WELL NUMBER FQ 003

State of Wisconsin
Private Water Supply - WS/2
Department of Natural Resources
Box 7921
Madison, WI 53707

(Please type or print using a black pen.)

Property Owner: City of Lancaster
Telephone Number: (608) 723-4246
Mailing Address: 206 South Madison St.
City: Lancaster
State: Wi
Zip Code: 53813
County of Well Location: Grant
Co. Well Permit No. W
Well Completion Date (mm-dd-yy): 2-21-24

Well Constructor (Business Name): Rickard Well Drilling
License #:
Address: P.O. Box 93
City: Linden
State: Wi.
Zip Code: 53553

2. Mark well location with a dot in correct 40-acre parcel of section.

1. Well Location — Please use decimals instead of fractions.
☐ Town ☑ City ☐ Village of
Fire # (If avail.)
Grid or Street Address or Road Name and Number (If avail.): 9760 Old Co. K
Subdivision Name: Lot #: Block #:
Gov't Lot # ____ or ____ 1/4 of ____ 1/4 of Section 3, T 4 N; R 3 ☐ E ☑ W

3. Well Type ☐ New ☐ Replacement ☑ Reconstruction
of previous unique well # ____ constructed in 19 ____
Reason for new, replaced or reconstructed well? Unsafe Samples

4. Well serves ____ # of homes and or ____
(Ex: barn, restaurant, church, school, industry, etc.)
High Capacity: Well? ☑ Yes ☐ No Property? ☐ Yes ☐ No
☐ Drilled ☐ Driven Point ☐ Jetted ☐ Other

5. Well located on highest point of property, consistent with the general layout and surroundings? ☑ Yes ☐ No If no, explain on back side.

Well located in floodplain? ☐ Yes ☑ No
Distance in Feet From Well To Nearest:

____ 1. Landfill	____ 9. Downspout/Yard Hydrant	____ 17. Wastewater Sump
____ 2. Building Overhang	____ 10. Privy	____ 18. Paved Animal Barn Pen
____ 3. Septic or Holding Tank (circle one)	____ 11. Foundation Drain to Clearwater	____ 19. Animal Yard or Shelter
____ 4. Sewage Absorption Unit	____ 12. Foundation Drain to Sewer	____ 20. Silo - Type ____
____ 5. Nonconforming Pit	____ 13. Building Drain ☐ Cast Iron or Plastic ☐ Other	____ 21. Barn Gutter
____ 6. Buried Home Heating Oil Tank	____ 14. Building Sewer ☐ Gravity ☐ Pressure ☐ Cast Iron or Plastic ☐ Other	____ 22. Manure Pipe ☐ Gravity ☐ Pressure ☐ Cast Iron or Plastic ☐ Other
____ 7. Buried Petroleum Tank	____ 15. Collector or Street Sewer	____ 23. Other Manure Storage ____ Other NR 112 Waste Source
____ 8. Shoreline/Swimming Pool	____ 16. Clearwater Sump	____ 24. ____

6. Drillhole Dimensions

Dia. (in.)	From (ft.)	To (ft.)
24"	surface	37'
22"	37'	204'
15"	204'	624'
12"	624'	1440'

Method of constructing upper enlarged drillhole only.
☐ 1. Rotary - Mud Circulation
☐ 2. Rotary - Air
☐ 3. Rotary - Foam
☐ 4. Reverse Rotary
☑ 5. Cable-tool Bit ____ in. dia.
☐ 6. Temp. Outer Casing ____ in. dia.
Removed? ☐ Yes ☐ No
If no, explain ____
☐ 7. Other ____

7. Casing, Liner, Screen

Dia. (in.)	Material, Weight, Specification, Manufacturer & Method of Assembly	From (ft.)	To (ft.)
24"	3/8" Wall - A-53 Welded	surface	37'
16"	3/8" Wall A53 Welded	0	204'
13 3/8"	3/8" Wall A53 welded	624'	747'
10 3/4"	3/8" Wall A53 welded	0	328'

Dia. (in.) | screen type, material & slot size | From | To

Grout or Other Sealing Material

Method	Kind of Sealing Material	From (ft.)	To (ft.)	# Sacks Cement
Pressure Grout	Portland Cement	surface	328'	290

DNR USE ONLY

9. Geology

Type, Caving/Noncaving, Color, Hardness, Etc.	From (ft.)	To (ft.)
Galena - Platteville	Surface	165'
St. Peter	165'	215'
Lower Magnesium	215'	475'
Treamponeau	475'	645'
Franconia	645'	805'
Dresbach	820'	960'
Eau Claire	960'	1100'
Mt. Simon	1100'	1444'

10. Static Water Level
____ ft. above ground surface
285 ft. below ground surface

11. Pump Test
Pumping Level 422 ft. below surface
Pumping at 635 GPM for 2 hours

12. Well Is:
24 in. ☑ Above ☐ Below Grade
Developed? ☑ Yes ☐ No
Disinfected? ☑ Yes ☐ No
Capped? ☑ Yes ☐ No

13. Did you permanently seal all unused, noncomplying, or unsafe wells?
☑ Yes ☐ No If no, explain ____

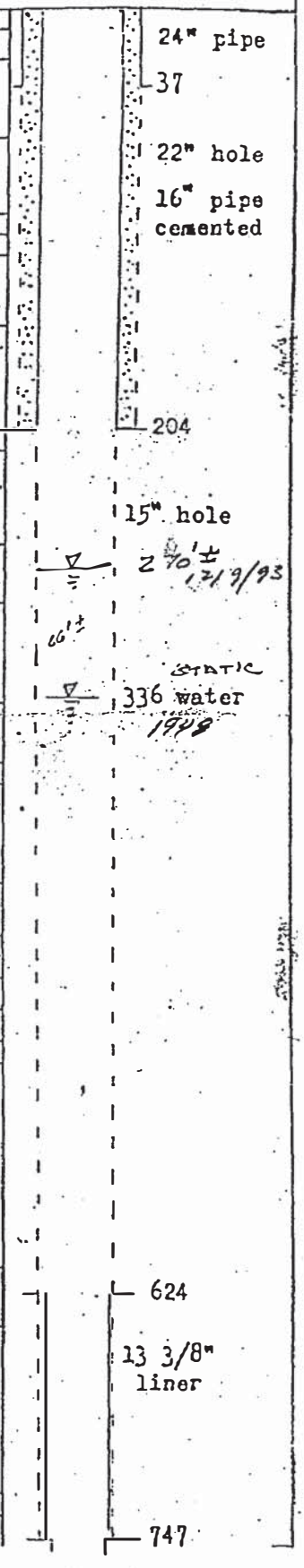
14. Signature of Point Driver or Licensed Supervisory Driller: Evan Richard Date Signed: 3-14-24
Signature of Drill Rig Operator (Mandatory unless same as above): Wm Meunier - Fearless Service Co. Date Signed

Take additional comments on reverse side about geology, additional screens, water quality, etc.

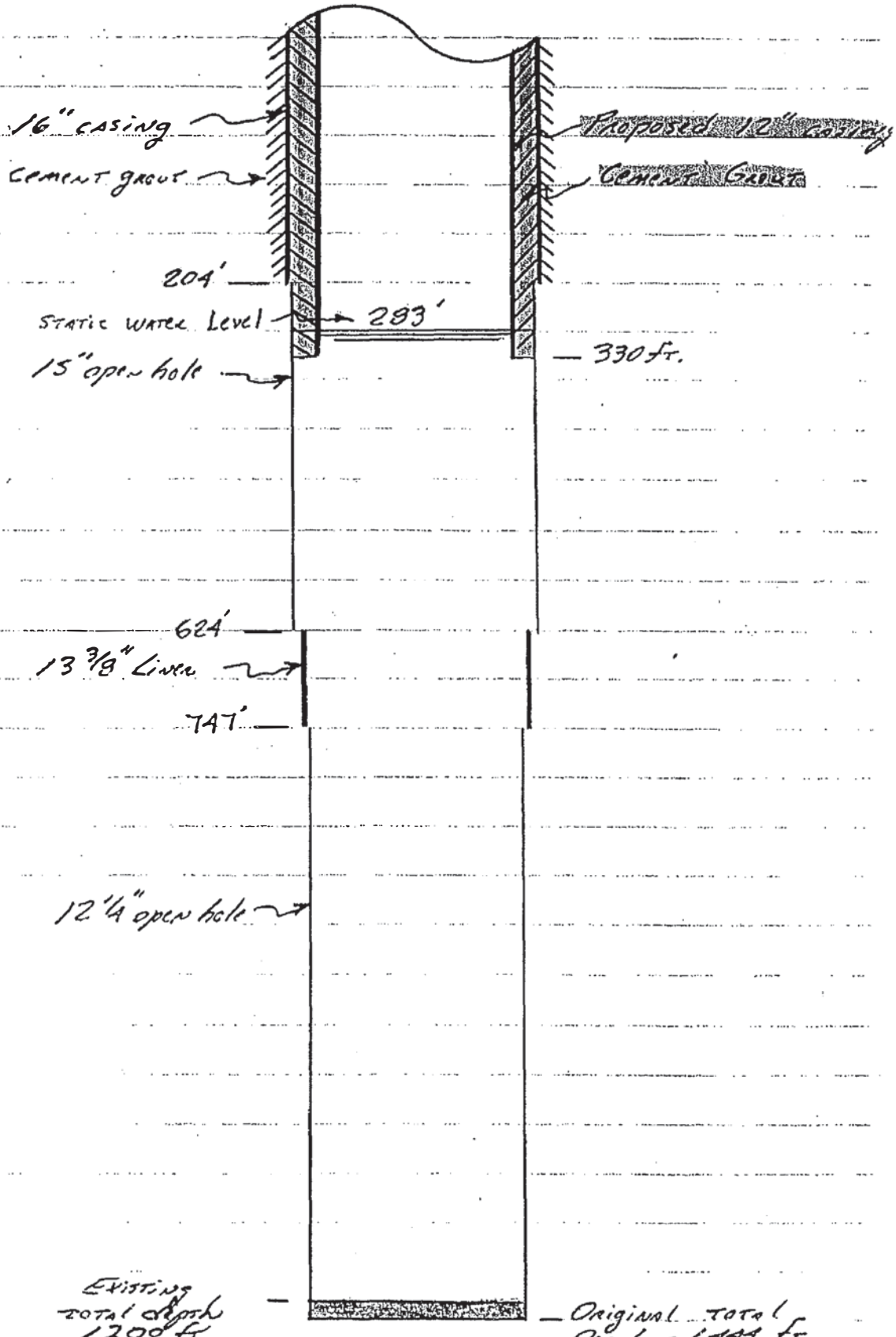
WELL CONSTRUCTION REPORT

CITY WELL, LANCASTER, WIS.
Sec. 3, T. 4 N., R. 3 W.
H. J. Kuelling, Engineer, Varner Well Drilling Co., Contractors, 1948
Samples examined by F. T. Thwaites, Nos. 138142-138430

	0-10	10		Clay, silty, brown-gray (loess)
15	10-25	15		Clay, dark red-brown; chert pebbles
GALENA-PLATTE	25-65	40		Dolomite, yellow-gray, soft
	65-100	35		Limestone, light gray
	100-110	10		Dolomite, gray to light gray
	110-115	5		Sandstone, fine to medium, light gray, dol.
	115-155	40		Dolomite, light gray
140	155-165	10		Sandstone, coarse to fine, light gray, dol.
	165-205	40		Sandstone, fine to medium, light gray, dolomitic
50	205-215	10		Sandstone, coarse to medium; chert, white
LOWER MAQUOKETA	215-260	45		Dolomite, light gray
	260-290	30		Dolomite, light gray; chert, white, part oolitic
	290-340	50		Dolomite, light gray
	340-370	30		Dolomite, light gray, light pink; chert, white
	370-380	10		Dolomite, light gray; chert, white, oolitic
	380-390	10		Dolomite, light gray, light pink; chert, wh.
	390-430	40		Dolomite, light gray
	430-440	10		Dolomite, light gray; chert, white
	440-455	15		Dolomite, light gray, light pink
	455-470	15		Dolomite, light gray
260	470-475	5		Dolomite, very sandy, light gray
	475-490	15		Sandstone, fine to medium, lt.gy, lt.pk, dol
	490-505	15		Sandstone, medium to fine, light gray, dol.
	505-515	10		Sandstone, fine to medium, lt.gray, dolomitic
	515-530	15		Sandstone, fine, light gray, dolomitic
TREMPEALEAU	530-615	85		Dolomite, silty, gray
170	615-645	30		Dolomite, silty, glauconitic, gray
FR	645-680	35		Siltstone, sandy, green-gray, dolomitic, glauconitic
	680-715	35		Sandstone, fine, light green-gray, dolomitic, glauconitic
	715-725	10		Siltstone, green-gray, dolomitic, glauconitic
	725-730	5		Siltstone, sandy, gray, dolomitic, glauc.
	730-745	15		Sandstone, fine, silty, gray, dol; no s. 735



City of Lancaster - Well #1



State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
101 S. Webster Street
Box 7921
Madison WI 53707-7921

Scott Walker, Governor
Cathy Stepp, Secretary
Telephone 608-266-2621
FAX 608-267-3579
TTY Access via relay - 711

July 20, 2017

REVISSION 1

DAVID KURIHARA CLERK
CITY OF LANCASTER
206 S MADISON ST
LANCASTER WI 53813-1762

Project Number:	W-2017-0606
PWSID#:	12201079
DNR Region:	SCR
County:	GRANT

WELL NO. 1 REHABILITATION

Dear Mr. Kurihara:

The Department has reviewed a request to rehabilitate Well No. 1 for the City of Lancaster, WI, submitted under the signature of Brian Brodersen, Municipal Well & Pump, Waupun, WI, and received at this office on July 18, 2017.

The well rehabilitation work will be performed as a part of their preventative maintenance program.

Well No. 1 (WUWN FQ003) obtains water from the Mt. Simons Formation and has a total depth of 1,440 feet. The 24-inch drill hole extends to a depth of 37 feet. A 24-inch outer casing is set to depth of 37 feet. A 22-inch drill hole extends from a depth of 37 feet to a depth of 204 feet. The 16-inch inner casing is set from the surface to a depth of 204 feet. A 15-inch drill hole extends from a depth of 204 feet to a depth of 747 feet. A 13 3/8-inch casing is set from a depth of 624 feet to a depth of 747 feet. A 12 3/4-inch drill hole extends from a depth of 747 feet to a depth of 1,440 feet. A 13/4-inch casing is set from surface to a depth of 328 feet. The 13/4-inch casing is grouted in place to a depth of 328 feet.

Based on the July 18, 2017 submittal, the Department understands the approach to the well rehabilitation work for both wells as follows:

1. Airshock the well with compressed air at 1,000 – 1,200 psi, for a total of 4 passes, with 4 impulses per foot, at depths from 797 feet to 1,400 feet.
2. Reinstall the permanent pump and accessories in the well.
3. Pump chemicals to neutralizing tank. Neutralize with sodium bisulfate before discharging to a sanitary sewer. Pump the well for 2 hours.
4. Collect two bacteriological safe samples.

All products carry NSF approval.

This is to inform you that the Department has no objections to the well rehabilitation work as proposed, subject to the following conditions:

1. Bryce Blaser of the Departments Dodgeville office, (608) 935-1923, bryce.blaser@wisconsin.gov shall be notified of the date and time of start of the well work at least 48 hours in advance in case he deems it necessary to be present during any of the work. (s. NR 811.12(13)(B)1), Wis. Adm. Code)
2. Marvin Hansen and Bryce Blaser shall be notified in writing within 30 days of completing the well work of the treatment used, the static and pumping water levels, the gallon per minute production rate and the specific capacity of the well before and following the completion of the well rehabilitation work. (s. NR 811.12(13)(b)6, Wis. Adm. Code)
3. The well shall be thoroughly pumped to waste and a minimum of two bacteriological safe well water samples (collected at least 8 hours apart) obtained from the well prior to returning the well to service. (s. NR 811.12(13)(b)5, Wis. Adm. Code)

Thank you for your cooperation.

Sincerely,

Marvin M. Hansen, PE
Public Water Engineering Section
Bureau of Drinking Water and Groundwater
(608) 266-8697

cc: John Hauth, Director of Public Works, (by email)
Jason Barnum, Municipal Well & Pump, (by email)
Brian Brodersen, Municipal Well & Pump, (by email)
Bryce Blaser, DNR, (by email)
Steve Kemna, PSC, (by email)
Mark Williams, PSC, (by email)

Attachment C/Documentation of Remedial Action

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

- Preliminary Subsurface Investigation – October 25, 1993
- Project Update and Cost Cap Exceedance Request - January 20, 2004
- Site Investigation Report – February 24, 2014
- Soil Excavation Report – February 12, 2016
- Letter Report – November 2017

C.2 Investigative waste

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

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

C.2 Investigative Waste

DKS Construction Services, Inc.

P.O. BOX 222
2520 WILSON ST.
MENOMONIE,WI 54751

Invoice

DATE	INVOICE #
11/28/2011	28681

BILL TO

PETE HARKNESS
%METCO
1421 US HIGHWAY 16
LA CROSSE, WI 54601

TERMS	Due on receipt
P.O. NO. OR PROJECT	
COUNTRYSIDE MOTORS	

QTY.	DESCRIPTION	RATE	AMOUNT
1	MOBILIZATION	274.00	274.00
10	PICK UP, HAUL, AND DISPOSE OF SOIL DRUMS	103.00	1,030.00
1	PICK UP, HAUL, AND DISPOSE OF WATER DRUM	40.10	40.10
	DISPOSAL AT VEOLIA SEVEN MILE CREEK LANDFILL IN EAU CLAIRE WI		

Env. Waste Disposal
Reviewed 11/29/11
OK

A service charge of 1 1/2% per month (18% annual percentage rate) will be charged on accounts over 30 days past due. If you find any problems or have questions regarding this invoice, please call our office within five (5) days. If not, we assume it is entirely correct and you will be responsible for all charges. If payment is not made as stated, all costs and attorneys fees incurred in enforcing this invoice will be the responsibility of the customer and/or owner.

Subtotal	$1,344.10
Sales Tax (0.00)	$0.00
Total Due	$1,344.10
Payments/Credits	$0.00
Balance Due	$1,344.10

SUBCONTRACTOR IDENTIFICATION NOTICE

AS REQUIRED BY THE WISCONSIN CONSTRUCTION LIEN LAW, CONTRACTOR HEREBY NOTIFIES THAT PERSONS OR COMPANIES FURNISHING LABOR OR MATERIALS FOR THE CONSTRUCTION ON OWNER'S LAND MAY HAVE LIEN RIGHTS ON THAT LAND OR ON THE BUILDINGS ON THAT LAND IF THEY ARE NOT PAID FOR SUCH LABOR OR MATERIALS. THOSE ENTITLED TO LIEN RIGHTS, IN ADDITION TO THE UNDERSIGNED CONTRACTOR ARE THOSE WHO CONTRACT DIRECTLY WITH THE OWNER OR THOSE WHO GIVE THE OWNER NOTICE WITHIN 60 DAYS AFTER THEY FIRST FURNISH LABOR OR MATERIALS FOR THE CONSTRUCTION. ACCORDINGLY, OWNER PROBABLY WILL RECEIVE NOTICES FROM THOSE WHO FURNISH LABOR OR MATERIALS FOR THE CONSTRUCTION, AND SHOULD GIVE A COPY OF EACH NOTICE RECEIVED TO HIS MORTGAGE LENDER, IF ANY. CONTRACTOR AGREES TO COOPERATE WITH THE OWNER AND HIS LENDER, IF ANY, TO SEE THAT ALL POTENTIAL LIEN CLAIMANTS ARE DULY PAID.

715-235-2600 PHONE 715-235-6661 FAX office@dks54751.com E-Mail

C.2 Investigative Waste

Customer Summary Report (legal)
Criteria: 10/01/2015 12:00 AMto10/14/2015 11:59 PM
Business Unit Name: S04834 - Madison Prairie Landfill (USA)
User: lolson
Date: Oct 14 2015, 2:19:21 PM
Profile: BIO123437WI

Ticket Date	Ticket ID	Customer	Generator	Manifest	Truck	Tons
10/12/2015	335058	DKS CONSTRUCTION SERVICES INC	136-COUNTRYSIDEMOTORS	427554	48	20.89
10/12/2015	335059	DKS CONSTRUCTION SERVICES INC	136-COUNTRYSIDEMOTORS	427584	87	21.18
10/12/2015	335065	DKS CONSTRUCTION SERVICES INC	136-COUNTRYSIDEMOTORS	427596	40	20.42
10/12/2015	335067	DKS CONSTRUCTION SERVICES INC	136-COUNTRYSIDEMOTORS	427572	666	20.75
10/12/2015	335068	DKS CONSTRUCTION SERVICES INC	136-COUNTRYSIDEMOTORS	427548	44	22.79
10/12/2015	335069	DKS CONSTRUCTION SERVICES INC	136-COUNTRYSIDEMOTORS	427542	46	20.47
10/12/2015	335078	DKS CONSTRUCTION SERVICES INC	136-COUNTRYSIDEMOTORS	427560	26	21.02
10/12/2015	335079	DKS CONSTRUCTION SERVICES INC	136-COUNTRYSIDEMOTORS	427566	42	22.26
10/12/2015	335084	DKS CONSTRUCTION SERVICES INC	136-COUNTRYSIDEMOTORS	427578	12	21.46
10/12/2015	335114	DKS CONSTRUCTION SERVICES INC	136-COUNTRYSIDEMOTORS	427590	44	20.99
10/12/2015	335139	DKS CONSTRUCTION SERVICES INC	136-COUNTRYSIDEMOTORS	427559	48	24.23
10/12/2015	335145	DKS CONSTRUCTION SERVICES INC	136-COUNTRYSIDEMOTORS	427577	666	21.70
10/12/2015	335147	DKS CONSTRUCTION SERVICES INC	136-COUNTRYSIDEMOTORS	427589	87	23.44
10/12/2015	335149	DKS CONSTRUCTION SERVICES INC	136-COUNTRYSIDEMOTORS	427601	40	21.49
10/12/2015	335156	DKS CONSTRUCTION SERVICES INC	136-COUNTRYSIDEMOTORS	427549	44	24.16
10/12/2015	335161	DKS CONSTRUCTION SERVICES INC	136-COUNTRYSIDEMOTORS	327567	42	25.18
10/12/2015	335162	DKS CONSTRUCTION SERVICES INC	136-COUNTRYSIDEMOTORS	427565	26	24.05
10/12/2015	335163	DKS CONSTRUCTION SERVICES INC	136-COUNTRYSIDEMOTORS	427583	12	24.20
10/12/2015	335164	DKS CONSTRUCTION SERVICES INC	136-COUNTRYSIDEMOTORS	427543	46	23.02
10/12/2015	335165	DKS CONSTRUCTION SERVICES INC	136-COUNTRYSIDEMOTORS	427591	44	22.42
10/13/2015	335191	DKS CONSTRUCTION SERVICES INC	136-COUNTRYSIDEMOTORS	427573	666	21.27
10/13/2015	335192	DKS CONSTRUCTION SERVICES INC	136-COUNTRYSIDEMOTORS	427585	87	22.51
10/13/2015	335193	DKS CONSTRUCTION SERVICES INC	136-COUNTRYSIDEMOTORS	427600	40	18.54
10/13/2015	335194	DKS CONSTRUCTION SERVICES INC	136-COUNTRYSIDEMOTORS	427592	44	21.12
10/13/2015	335195	DKS CONSTRUCTION SERVICES INC	136-COUNTRYSIDEMOTORS	427582	12	21.51
10/13/2015	335196	DKS CONSTRUCTION SERVICES INC	136-COUNTRYSIDEMOTORS	427558	48	23.40
10/13/2015	335197	DKS CONSTRUCTION SERVICES INC	136-COUNTRYSIDEMOTORS	427568	42	20.74
10/13/2015	335198	DKS CONSTRUCTION SERVICES INC	136-COUNTRYSIDEMOTORS	427550	44	22.85
10/13/2015	335199	DKS CONSTRUCTION SERVICES INC	136-COUNTRYSIDEMOTORS	427544	46	21.42
10/13/2015	335222	DKS CONSTRUCTION SERVICES INC	136-COUNTRYSIDEMOTORS	427561	26	22.77
10/13/2015	335274	DKS CONSTRUCTION SERVICES INC	136-COUNTRYSIDEMOTORS	427586	87	22.63
10/13/2015	335276	DKS CONSTRUCTION SERVICES INC	136-COUNTRYSIDEMOTORS	424574	666	21.70
10/13/2015	335281	DKS CONSTRUCTION SERVICES INC	136-COUNTRYSIDEMOTORS	427599	40	22.46
10/13/2015	335284	DKS CONSTRUCTION SERVICES INC	136-COUNTRYSIDEMOTORS	427593	44	22.59
10/13/2015	335289	DKS CONSTRUCTION SERVICES INC	136-COUNTRYSIDEMOTORS	427579	12	22.95
10/13/2015	335293	DKS CONSTRUCTION SERVICES INC	136-COUNTRYSIDEMOTORS	427557	48	20.38
10/13/2015	335298	DKS CONSTRUCTION SERVICES INC	136-COUNTRYSIDEMOTORS	427569	42	23.64
10/13/2015	335299	DKS CONSTRUCTION SERVICES INC	136-COUNTRYSIDEMOTORS	427545	46	20.00
10/13/2015	335300	DKS CONSTRUCTION SERVICES INC	136-COUNTRYSIDEMOTORS	427551	44	21.14
10/13/2015	335305	DKS CONSTRUCTION SERVICES INC	136-COUNTRYSIDEMOTORS	427562	26	21.64
10/13/2015	335345	DKS CONSTRUCTION SERVICES INC	136-COUNTRYSIDEMOTORS	427588	87	24.48
10/13/2015	335346	DKS CONSTRUCTION SERVICES INC	136-COUNTRYSIDEMOTORS	427575	666	22.06
10/13/2015	335349	DKS CONSTRUCTION SERVICES INC	136-COUNTRYSIDEMOTORS	427597	40	21.08
10/13/2015	335350	DKS CONSTRUCTION SERVICES INC	136-COUNTRYSIDEMOTORS	427594	44	22.69
10/13/2015	335352	DKS CONSTRUCTION SERVICES INC	136-COUNTRYSIDEMOTORS	427581	12	22.66
10/13/2015	335353	DKS CONSTRUCTION SERVICES INC	136-COUNTRYSIDEMOTORS	427555	48	21.09

10/14/2015	335354	DKS CONSTRUCTION SERVICES INC	136-COUNTRYSIDEMOTORS	427570	42	20.18
10/14/2015	335357	DKS CONSTRUCTION SERVICES INC	136-COUNTRYSIDEMOTORS	427552	44	24.55
10/14/2015	335358	DKS CONSTRUCTION SERVICES INC	136-COUNTRYSIDEMOTORS	427546	46	21.08
10/14/2015	335378	DKS CONSTRUCTION SERVICES INC	136-COUNTRYSIDEMOTORS	427563	26	20.49
10/14/2015	335386	DKS CONSTRUCTION SERVICES INC	136-COUNTRYSIDEMOTORS	427598	40	20.60
10/14/2015	335389	DKS CONSTRUCTION SERVICES INC	136-COUNTRYSIDEMOTORS	427587	87	22.12
10/14/2015	335392	DKS CONSTRUCTION SERVICES INC	136-COUNTRYSIDEMOTORS	427576	666	20.61
10/14/2015	335393	DKS CONSTRUCTION SERVICES INC	136-COUNTRYSIDEMOTORS	427595	44	21.33
10/14/2015	335394	DKS CONSTRUCTION SERVICES INC	136-COUNTRYSIDEMOTORS	427580	12	21.06
10/14/2015	335448	DKS CONSTRUCTION SERVICES INC	136-COUNTRYSIDEMOTORS	427571	42	23.30
10/14/2015	335452	DKS CONSTRUCTION SERVICES INC	136-COUNTRYSIDEMOTORS	427564	26	18.71
10/14/2015	335469	DKS CONSTRUCTION SERVICES INC	136-COUNTRYSIDEMOTORS	427547	10	18.81
Mat. Tot.	58					1,268.28

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

INVOICE

4-28 20 16

CUSTOMER: Pete Harkness % Metro, 709 Gillette Street, St 3, La Crosse WI 54603

JOB NAME: Quality Star Motors, Lancaster WI

☐ CASH ☐ CHECK # _____ ☒ IN-HOUSE ACCOUNT

QUANTITY DATE	QUANTITY SHIPPED	DESCRIPTION	QTY.	UNIT PRICE	AMOUNT
	1	Mobilization	1	237 70	237 70
	1	Haul 55l drum to Advanced Disposal - EC	1	109 15	109 15
				TOTAL	395 85

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

SIGNATURE _____ VC

Env. Waste Disposal
Reviewed 4/28/16
OK

Attachment D/Maintenance Plan(s)

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

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

D.3 Photographs

D.4 Inspection log

D.1 Description of Maintenance Action(s)

CAP MAINTENANCE PLAN

November 7, 2017

Property Located at:
9764 Old Highway K
Lancaster, WI 53813

WDNR BRRTS# 03-22-002037

TAX KEY# 044-00787-0000

Introduction

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

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

- The case file in the DNR South 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 Grant County.

Description of Contamination

Soil contaminated by Petroleum Volatile Organic Compounds (PVOCs) is located at a depth of 8-20.5 feet below ground surface (bgs) in the area of the former AST system and loading rack. Groundwater contaminated by PVOCs is located at a depth of 26-32 feet bgs in the area of the former AST system and loading rack. The extent of the soil and groundwater contamination is shown on Attachment D.2.

Description of the Cap to be maintained

The Cap covers four small areas of soil and groundwater contamination, which consists of asphalt (approximately 6 inches thick), as shown on Attachment D.2.

Cover Barrier Purpose

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

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

Maintenance Activities

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

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

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

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

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

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.

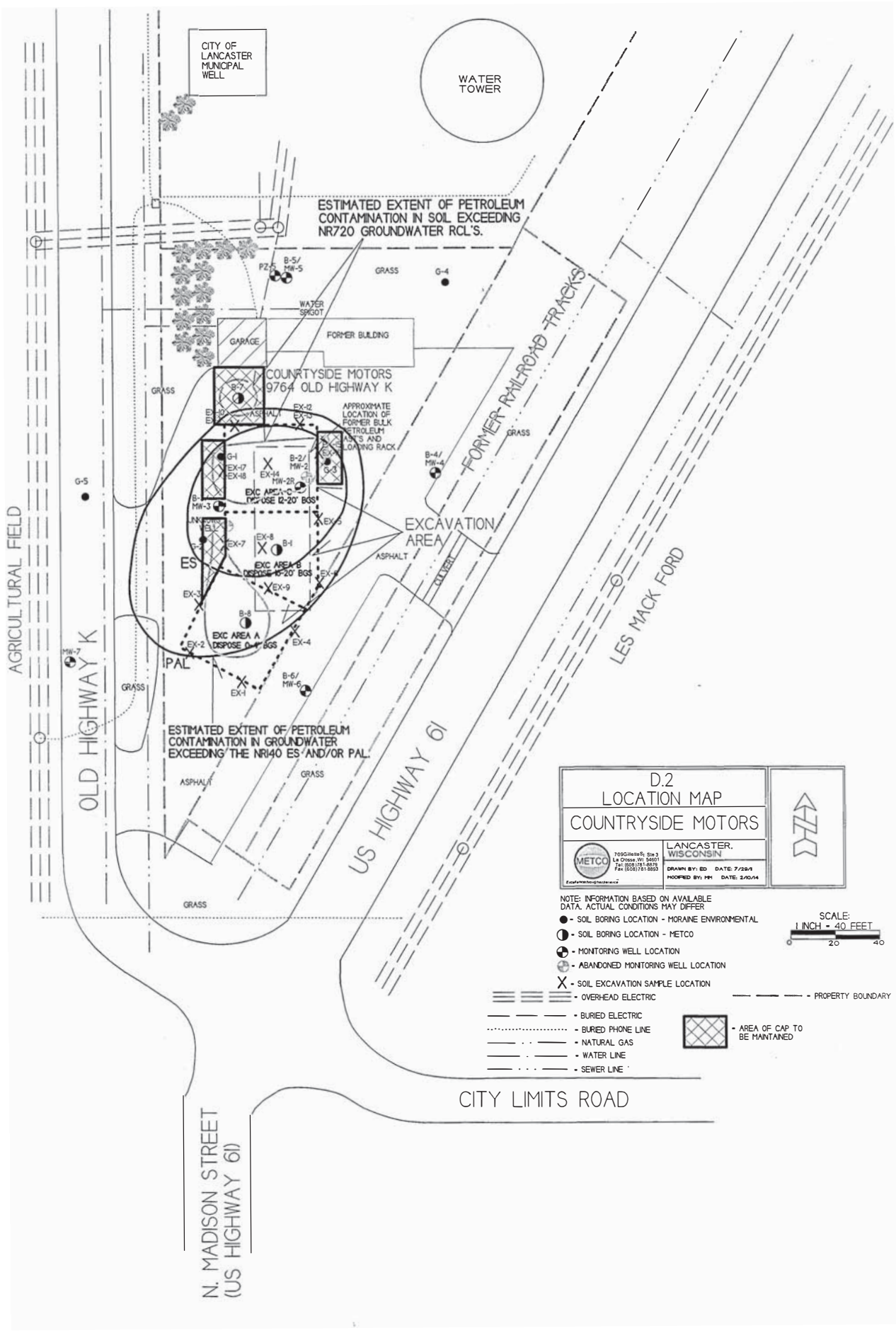
Contact Information
November 2017

Current Site Owner and Operator:
Pete Harkness
301 W. Route 30
Rock Falls, IL 61071

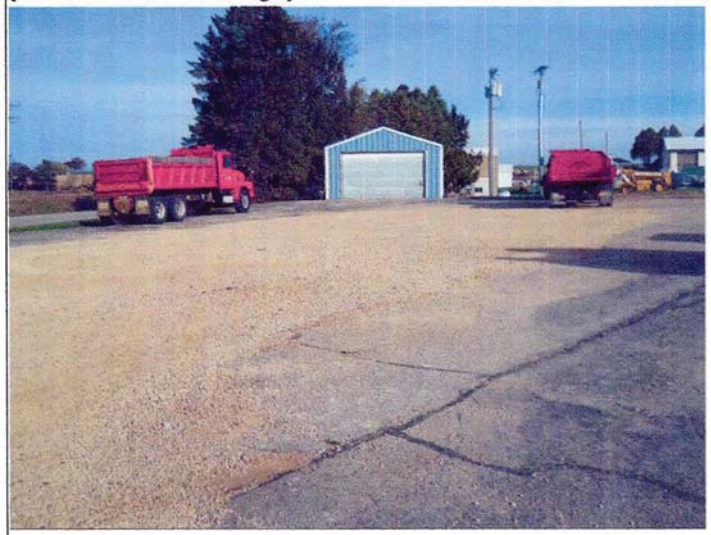
Signature: _____
(DNR may request signature of affected property owners, on a case-by-case basis)

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

WDNR:
Janet DiMaggio
3911 Fish Hatchery Rd
Fitchburg, WI 53711
(608) 275-3295


CITY OF LANCASTER MUNICIPAL WELL
WATER TOWER
ESTIMATED EXTENT OF PETROLEUM CONTAMINATION IN SOIL EXCEEDING NR720 GROUNDWATER RCL'S.
GRASS
WATER SPIGOT
GARAGE
FORMER BUILDING
COUNTRYSIDE MOTORS
9764 OLD HIGHWAY K
ASPHALT
APPROXIMATE LOCATION OF FORMER BULK PETROLEUM AST'S AND LOADING RACK
FORMER RAILROAD TRACKS
EXC AREA-C DISPOSE 12-20' BGS
EXCAVATION AREA
EXC AREA-B DISPOSE 16-20' BGS
EXC AREA A DISPOSE 0-4' BGS
AGRICULTURAL FIELD
OLD HIGHWAY K
US HIGHWAY 61
LES MACK FORD
ESTIMATED EXTENT OF PETROLEUM CONTAMINATION IN GROUNDWATER EXCEEDING THE NR140 ES AND/OR PAL.
CITY LIMITS ROAD
N. MADISON STREET (US HIGHWAY 61)
D.2
LOCATION MAP
COUNTRYSIDE MOTORS
LANCASTER, WISCONSIN
METCO
709 Gillette St, Ste 3 La Crosse, WI 54601 Tel: (608)781-8878 Fax: (608)781-8893
DRAWN BY: ED DATE: 7/29/1
MODIFIED BY: MH DATE: 2/10/14
NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER
- SOIL BORING LOCATION - MORAINE ENVIRONMENTAL
- SOIL BORING LOCATION - METCO
- MONITORING WELL LOCATION
- ABANDONED MONITORING WELL LOCATION
- SOIL EXCAVATION SAMPLE LOCATION
- OVERHEAD ELECTRIC
- BURIED ELECTRIC
- BURIED PHONE LINE
- NATURAL GAS
- WATER LINE
- SEWER LINE
- PROPERTY BOUNDARY
- AREA OF CAP TO BE MAINTAINED
SCALE: 1 INCH = 40 FEET
20
40

{Click to Add/Edit Image} Date added: 11/07/2017



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

{Click to Add/Edit Image} Date added: 11/07/2017

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

{Click to Add/Edit Image} Date added: 11/07/2017

Title: Photo #3: Area of cap to be maintained (looking east)

{Click to Add/Edit Image} Date added: 11/07/2017

Title: Photo #4: Area of cap to be maintained (looking south)

D.5 Photographs

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

Continuing Obligations Inspection and Maintenance Log

Form 4400-305 (2/14)

D.4 Inspection Log

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: Countryside Motors

BRRTS No.: 03-22-002037

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?
		☐ monitoring well ☐ cover/barrier ☐ vapor mitigation system ☐ other:			○ Y ○ N	○ Y ○ N
		☐ monitoring well ☐ cover/barrier ☐ vapor mitigation system ☐ other:			○ Y ○ N	○ Y ○ N
		☐ monitoring well ☐ cover/barrier ☐ vapor mitigation system ☐ other:			○ Y ○ N	○ Y ○ N
		☐ monitoring well ☐ cover/barrier ☐ vapor mitigation system ☐ other:			○ Y ○ N	○ Y ○ N
		☐ monitoring well ☐ cover/barrier ☐ vapor mitigation system ☐ other:			○ Y ○ N	○ Y ○ N
		☐ monitoring well ☐ cover/barrier ☐ vapor mitigation system ☐ other:			○ Y ○ N	○ Y ○ N

Attachment E/Monitoring Well Information

All wells have been located and will be properly abandoned upon WDNR granting closure to the site.

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

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08)

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

☐ **Verification Only of Fill and Seal**

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

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
GRANT	VS844	

Latitude / Longitude (Degrees and Minutes) — Method Code (see instructions)
42 ° 51.5 ' N
90 ° 42.55 ' W

¼ / ¼	¼	Section	Township	Range	
SE	SE	34	5 N	3	☐ E [X] W

or Gov't Lot #

Well Street Address: 9764 Old Highway K

Well City, Village or Town	Well ZIP Code
Lancaster	53813-

Subdivision Name	Lot #

Reason For Removal From Service	WI Unique Well # of Replacement Well
Sampling Complete	

2. Facility / Owner Information

Facility Name: Countryside Motors
Facility ID (FID or PWS):
License/Permit/Monitoring #:
Original Well Owner: Pete Harkness
Present Well Owner: Pete Harkness
Mailing Address of Present Owner: 301 W. Route 30

City of Present Owner	State	ZIP Code
Rock Falls	IL	61071-

3. Well / Drillhole / Borehole Information

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

Original Construction Date (mm/dd/yyyy): 4/6/2016

If a Well Construction Report is available, please attach.

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

Formation Type:
☐ Unconsolidated Formation [X] Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
38	2

Lower Drillhole Diameter (in.)	Casing Depth (ft.)
6	23

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

If yes, to what depth (feet)?	Depth to Water (feet)
19	29.11

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

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

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

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

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

5. Material Used To Fill Well / Drillhole

	From (ft.)	To (ft.)	Lbs	
Bentonite chips	Surface	38	61	

6. Comments

Monitoring Well MW-2R

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
Jon Jensen/METCO		12/27/2017

Street or Route	Telephone Number
709 Gillette St, Ste. 3	(608) 781-8879

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
La Crosse	WI	54603-		12/27/2017

DNR Use Only

Date Received	Noted By

Comments:

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

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08)

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

☐ **Verification Only of Fill and Seal**

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

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
GRANT	___ ___ ___VX673_	

Latitude / Longitude (Degrees and Minutes) — Method Code (see instructions)
42 ___ ° 51.5 ___ ___ ___ 'N
90 ___ ° 42.55 ___ ___ ___ 'W

¼ / ¼	¼	Section	Township	Range	
SE	SE	34	5 N	3	☐ E [X] W

or Gov't Lot #

Well Street Address: 9764 Old Highway K

Well City, Village or Town	Well ZIP Code
Lancaster	53813-

Subdivision Name	Lot #

Reason For Removal From Service	WI Unique Well # of Replacement Well
Sampling Complete	___ ___ ___ ___ ___

2. Facility / Owner Information

Facility Name: Countryside Motors
Facility ID (FID or PWS):
License/Permit/Monitoring #:
Original Well Owner: Pete Harkness
Present Well Owner: Pete Harkness
Mailing Address of Present Owner: 301 W. Route 30

City of Present Owner	State	ZIP Code
Rock Falls	IL	61071-

3. Well / Drillhole / Borehole Information

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

Original Construction Date (mm/dd/yyyy): 9/21/2011

If a Well Construction Report is available, please attach.

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

Formation Type:
☐ Unconsolidated Formation [X] Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
38	2

Lower Drillhole Diameter (in.)	Casing Depth (ft.)
6	23

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

If yes, to what depth (feet)?	Depth to Water (feet)
19	29.12

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

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

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

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

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

5. Material Used To Fill Well / Drillhole

	From (ft.)	To (ft.)	Lbs	
Bentonite chips	Surface	38	61	

6. Comments

Monitoring Well MW-3

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
Jon Jensen/METCO		12/27/2017

Street or Route	Telephone Number
709 Gillette St, Ste. 3	(608) 781-8879

City	State	ZIP Code
La Crosse	WI	54603-

Signature of Person Doing Work: Jon Jensen
Date Signed: 12/27/2017

DNR Use Only

Date Received	Noted By

Comments:

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

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08)

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☐ **Verification Only of Fill and Seal**

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

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
GRANT	___ ___ ___VX675_	

Latitude / Longitude (Degrees and Minutes) — Method Code (see instructions)

42 ° 51.5 . ___ ___ ___ 'N

90 ° 42.55 . ___ ___ ___ 'W

¼ / ¼	¼	Section	Township	Range	
SE	SE	34	5 N	3	☐ E [X] W

or Gov't Lot #

Well Street Address: 9764 Old Highway K

Well City, Village or Town	Well ZIP Code
Lancaster	53813-

Subdivision Name	Lot #

Reason For Removal From Service	WI Unique Well # of Replacement Well
Sampling Complete	___ ___ ___ ___ ___

2. Facility / Owner Information

Facility Name: Countryside Motors

Facility ID (FID or PWS):

License/Permit/Monitoring #:

Original Well Owner: Pete Harkness

Present Well Owner: Pete Harkness

Mailing Address of Present Owner: 301 W. Route 30

City of Present Owner	State	ZIP Code
Rock Falls	IL	61071-

3. Well / Drillhole / Borehole Information

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

Original Construction Date (mm/dd/yyyy): 9/21/2011

If a Well Construction Report is available, please attach.

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

Formation Type: ☐ Unconsolidated Formation [X] Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
38	2

Lower Drillhole Diameter (in.)	Casing Depth (ft.)
6	23

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

If yes, to what depth (feet)?	Depth to Water (feet)
19	29.92

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

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

Required Method of Placing Sealing Material

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

Sealing Materials

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

For Monitoring Wells and Monitoring Well Boreholes Only:

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

5. Material Used To Fill Well / Drillhole

	From (ft.)	To (ft.)	Lbs	
Bentonite chips	Surface	38	61	

6. Comments

Monitoring Well MW-4

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
Jon Jensen/METCO		12/27/2017

Street or Route	Telephone Number
709 Gillette St, Ste. 3	(608) 781-8879

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
La Crosse	WI	54603-	Jon Jensen	12/27/2017

DNR Use Only

Date Received	Noted By

Comments:

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

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08)

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☐ **Verification Only of Fill and Seal**

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

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
GRANT	___ ___ ___VX677_	

Lattitude / Longitude (Degrees and Minutes) — Method Code (see instructions)
42 ° 51.5 . ___ ___ ___ 'N
90 ° 42.55 . ___ ___ ___ 'W

¼ / ¼	¼	Section	Township	Range	
SE	SE	34	5 N	3	☐ E [X] W

or Gov't Lot #

Well Street Address: 9764 Old Highway K

Well City, Village or Town	Well ZIP Code
Lancaster	53813-

Subdivision Name	Lot #

Reason For Removal From Service	WI Unique Well # of Replacement Well
Sampling Complete	___ ___ ___ ___ ___

3. Well / Drillhole / Borehole Information

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

Original Construction Date (mm/dd/yyyy): 9/22/2011

If a Well Construction Report is available, please attach.

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

Formation Type:
☐ Unconsolidated Formation [X] Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
38	2

Lower Drillhole Diameter (in.)	Casing Depth (ft.)
6	23

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

If yes, to what depth (feet)?	Depth to Water (feet)
19	27.36

2. Facility / Owner Information

Facility Name: Countryside Motors

Facility ID (FID or PWS):

License/Permit/Monitoring #:

Original Well Owner: Pete Harkness

Present Well Owner: Pete Harkness

Mailing Address of Present Owner: 301 W. Route 30

City of Present Owner	State	ZIP Code
Rock Falls	IL	61071-

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

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

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

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

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

5. Material Used To Fill Well / Drillhole

	From (ft.)	To (ft.)	Lbs	
Bentonite chips	Surface	38	61	

6. Comments

Monitoring Well MW-5

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
Jon Jensen/METCO		12/27/2017

Street or Route	Telephone Number
709 Gillette St, Ste. 3	(608) 781-8879

City	State	ZIP Code
La Crosse	WI	54603-

Signature of Person Doing Work: Jon Jensen

Date Signed: 12/27/2017

DNR Use Only

Date Received	Noted By

Comments:

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

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08)

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☐ **Verification Only of Fill and Seal**

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

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
GRANT	___ ___ ___VX678_	

Latitude / Longitude (Degrees and Minutes) — Method Code (see instructions)

42 ° 51.5 . ___ ___ ___ 'N

90 ° 42.55 . ___ ___ ___ 'W

¼ / ¼	¼	Section	Township	Range	
SE	SE	34	5 N	3	☐ E [X] W

or Gov't Lot #

Well Street Address: 9764 Old Highway K

Well City, Village or Town	Well ZIP Code
Lancaster	53813-

Subdivision Name	Lot #

Reason For Removal From Service	WI Unique Well # of Replacement Well
Sampling Complete	___ ___ ___ ___ ___

2. Facility / Owner Information

Facility Name: Countryside Motors

Facility ID (FID or PWS):

License/Permit/Monitoring #:

Original Well Owner: Pete Harkness

Present Well Owner: Pete Harkness

Mailing Address of Present Owner: 301 W. Route 30

City of Present Owner	State	ZIP Code
Rock Falls	IL	61071-

3. Well / Drillhole / Borehole Information

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

Original Construction Date (mm/dd/yyyy): 9/22/2011

If a Well Construction Report is available, please attach.

Construction Type:

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

Formation Type:

☐ Unconsolidated Formation [X] Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
38	2

Lower Drillhole Diameter (in.)	Casing Depth (ft.)
6	23

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

If yes, to what depth (feet)?	Depth to Water (feet)
19	31.58

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

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

Required Method of Placing Sealing Material

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

Sealing Materials

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

For Monitoring Wells and Monitoring Well Boreholes Only:

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

5. Material Used To Fill Well / Drillhole

	From (ft.)	To (ft.)	Lbs	
Bentonite chips	Surface	38	61	

6. Comments

Monitoring Well MW-6

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
Jon Jensen/METCO		12/27/2017

Street or Route	Telephone Number
709 Gillette St, Ste. 3	(608) 781-8879

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
La Crosse	WI	54603-	Jon Jensen	12/27/2017

DNR Use Only

Date Received	Noted By

Comments:

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

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08)

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☐ **Verification Only of Fill and Seal**

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

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
GRANT	VV370	

Latitude / Longitude (Degrees and Minutes) — Method Code (see instructions)

42 ° 51.5 ' N

90 ° 42.55 ' W

¼ / ¼	¼	Section	Township	Range	
SE	SE	34	5 N	3	☐ E [X] W

or Gov't Lot #

Well Street Address: 9764 Old Highway K

Well City, Village or Town	Well ZIP Code
Lancaster	53813-

Subdivision Name: — Lot #: —

Reason For Removal From Service: Sampling Complete

WI Unique Well # of Replacement Well: —

2. Facility / Owner Information

Facility Name: Countryside Motors

Facility ID (FID or PWS): —

License/Permit/Monitoring #: —

Original Well Owner: Pete Harkness

Present Well Owner: Pete Harkness

Mailing Address of Present Owner: 301 W. Route 30

City of Present Owner	State	ZIP Code
Rock Falls	IL	61071-

3. Well / Drillhole / Borehole Information

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

Original Construction Date (mm/dd/yyyy): 5/8/2013

If a Well Construction Report is available, please attach.

Construction Type:

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

Formation Type:

☐ Unconsolidated Formation [X] Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
40	2
Lower Drillhole Diameter (in.)	**Casing Depth (ft.)**
6	25

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

If yes, to what depth (feet)?	Depth to Water (feet)
21	28.18

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

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

Required Method of Placing Sealing Material

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

Sealing Materials

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

For Monitoring Wells and Monitoring Well Boreholes Only:

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

5. Material Used To Fill Well / Drillhole

Material Used To Fill Well / Drillhole	From (ft.)	To (ft.)	Lbs	
Bentonite chips	Surface	40	64	

6. Comments

Monitoring Well MW-7

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
Jon Jensen/METCO		12/27/2017

Street or Route	Telephone Number
709 Gillette St, Ste. 3	(608) 781-8879

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
La Crosse	WI	54603-	Jon Jensen	12/27/2017

DNR Use Only

Date Received	Noted By

Comments:

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

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08)

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☐ **Verification Only of Fill and Seal**

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

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
GRANT	___ ___ ___VX676_	

Latitude / Longitude (Degrees and Minutes) — Method Code (see instructions)
42 ___ ° 51.5 . ___ ___ ___ 'N
90 ___ ° 42.55 . ___ ___ ___ 'W

¼ / ¼	¼	Section	Township	Range
SE	SE	34	5 N	3 ☐ E [X] W

or Gov't Lot #

Well Street Address: 9764 Old Highway K

Well City, Village or Town	Well ZIP Code
Lancaster	53813-

Subdivision Name	Lot #

Reason For Removal From Service	WI Unique Well # of Replacement Well
Sampling Complete	___ ___ ___ ___ ___

3. Well / Drillhole / Borehole Information

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

Original Construction Date (mm/dd/yyyy): 9/22/2011

If a Well Construction Report is available, please attach.

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

Formation Type:
☐ Unconsolidated Formation [X] Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
60	2

Lower Drillhole Diameter (in.)	Casing Depth (ft.)
6	55

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

If yes, to what depth (feet)?	Depth to Water (feet)
51	30.16

2. Facility / Owner Information

Facility Name: Countryside Motors

Facility ID (FID or PWS):

License/Permit/Monitoring #:

Original Well Owner: Pete Harkness

Present Well Owner: Pete Harkness

Mailing Address of Present Owner: 301 W. Route 30

City of Present Owner	State	ZIP Code
Rock Falls	IL	61071-

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

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

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

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

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

5. Material Used To Fill Well / Drillhole

	From (ft.)	To (ft.)	Lbs	
Bentonite chips	Surface	60	96	

6. Comments

Piezometer PZ-5

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
Jon Jensen/METCO		12/27/2017

Street or Route	Telephone Number
709 Gillette St, Ste. 3	(608) 781-8879

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
La Crosse	WI	54603-	Jon Jensen	12/27/2017

DNR Use Only

Date Received	Noted By

Comments:

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.1 Deed

DOCUMENT NO.

533896

STATE BAR OF WISCONSIN FORM 1 — 1982

WARRANTY DEED

THIS SPACE RESERVED FOR RECORDING DATA

VOL 662 PAGE 158

GRANT COUNTY, WIS.
RECEIVED FOR RECORD

OCT 30 1989

at 2:30P M and recorded in Vol. 662 of Records Page 158.

Marilyn Pierce, Register

RETURN TO
HOSKINS, BROWN, KALNINS & McNAMARA

Tax Parcel No: ....

This Deed, made between Brian K. Fager ......, Grantor, and Peter J. Harkness, a single individual ......, Grantee,

Witnesseth, That the said Grantor, for a valuable consideration ...... conveys to Grantee the following described real estate in Grant County, State of Wisconsin:

TRACT I:

Commencing at the southwest corner of the S.E.1/4 of the S.E.1/4, Sec. 34, T 5 N of R 3 W., thence running north 48.2 feet, thence north 30° 8' east, 48.6 feet, thence north 54.6 feet to the place of beginning of the tract: thence running north 274 feet, thence east 159 feet to the west line of the Chicago, Northwestern Railway right of way, thence in a southwesterly direction along said right of way 316 feet to the place of beginning, being a triangular piece of land 159 feet by 274 feet by 316 feet in North Lancaster.

W-7

State Transfer Fee Paid $ 84.00

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

Together with all and singular the hereditaments and appurtenances thereunto belonging;

And grantor warrants that the title is good, indefeasible in fee simple and free and clear of encumbrances except ALL ORDINANCES, EASEMENTS AND RESTRICTIONS OF RECORD.

and will warrant and defend the same

Dated this 30th day of October, 19 89

(SEAL) Brian K Fager (SEAL)
Brian K. Fager

(SEAL) (SEAL)

AUTHENTICATION

Signature(s) of Brian K. Fager

authenticated this 30th day of October, 19 89

John P. McNamara
John P. McNamara

TITLE: MEMBER STATE BAR OF WISCONSIN

(XXXXXXXXXXXXXXXXXXXX
XXXXXXXXXXXXXXXXXXXX)

THIS INSTRUMENT WAS DRAFTED BY

John P. McNamara of HOSKINS, BROWN, KALNINS & McNAMARA, Lancaster, Wis.

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

ACKNOWLEDGMENT

STATE OF WISCONSIN } ss.
.... County. }

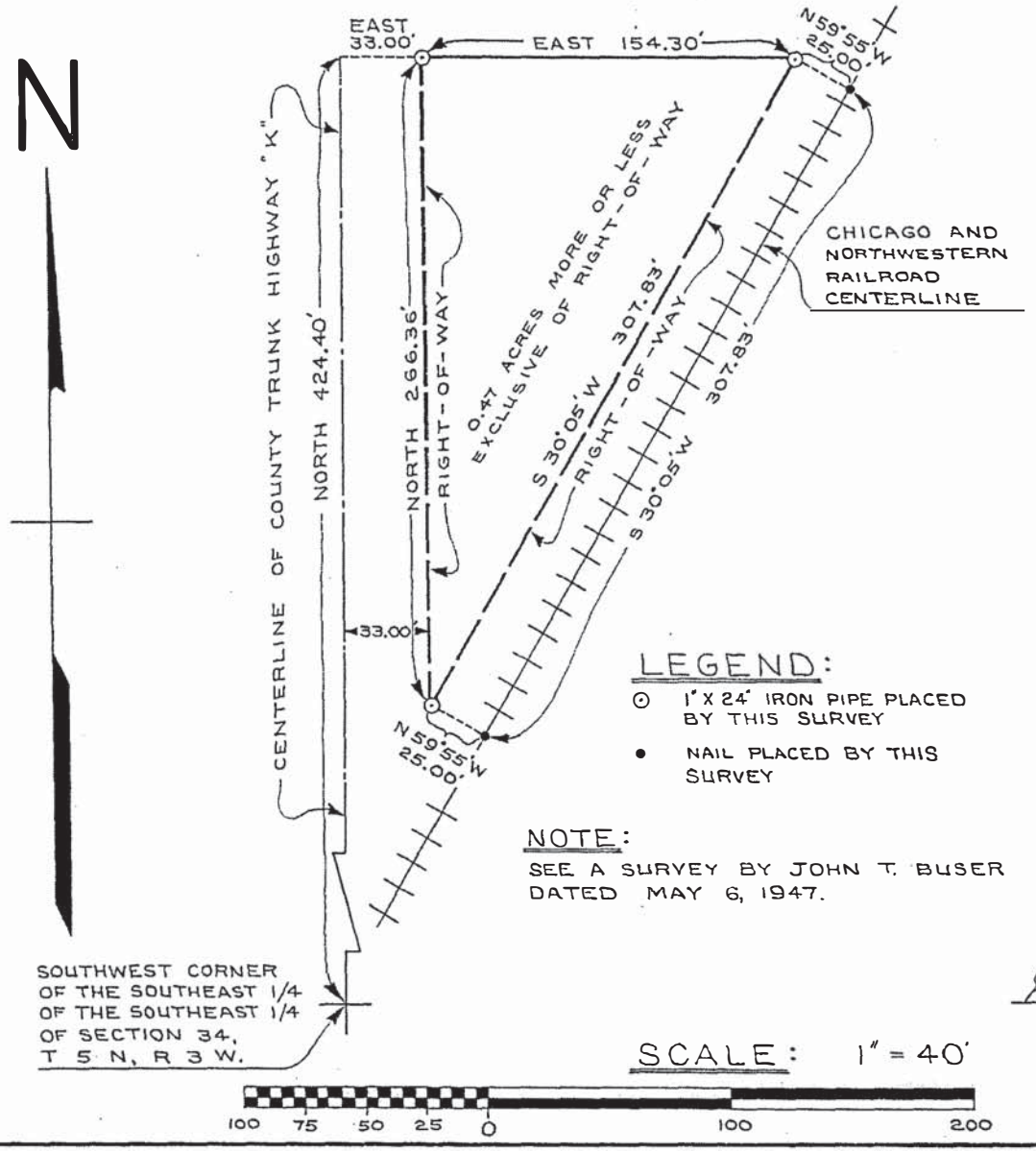
Personally came before me this ....day of ...., 19...... the above named .... to me known to be the person .... who executed the foregoing instrument and acknowledge the same.

....

Notary Public .... County, Wis.
My Commission is permanent. (If not, state expiration date: ...., 19......)

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

HASKINS GAS & OIL CO., INC. — SURVEY



DESCRIPTION:

Part of the S.E.1/4 of the S.E.1/4 of Section 34, T 5 N, R 3 W, of the 4th P.M., Grant County, Wisconsin, described as follows to-wit:

Commence at the Southwest Corner of the S.E.1/4 of the S.E.1/4 of said Section 34;

thence North 424.40 feet;

thence East 33.00 feet to a 1 inch diameter iron pipe on the Eastern right-of-way of County Trunk Highway "K" and the point of beginning;

thence East 154.30 feet to a 1 inch diameter iron pipe on the Western right-of-way line of the Chicago & Northwestern Railroad;

thence South 30° 05' West 307.83 feet along said Western right-of-way to a 1 inch diameter iron pipe on the Eastern right-of-way of County Trunk Highway "K";

thence North 266.36 feet along said Eastern right-of-way to the point of beginning.

Containing 0.47 acres more or less exclusive of right-of-way.

I certify that I have surveyed the above described parcel of land and that the attached or accompanying plat is an accurate survey and true representation thereof and correctly shows the exterior boundary lines of said parcel and the correct measurements thereof.

DATED THIS 19TH DAY OF JULY, 1977.

David K. Krohn

DAVID K. KROHN
REG. NO. 1309
7/11/77 - 7/19/77

WISCONSIN
DAVID K. KROHN
S-1309
LANCASTER, WIS.
LAND SURVEYOR

F.2 Certified Survey Map

F.3 Verification of Zoning

(http://www.co.grant.wi.gov) Grant County Web Portal

Search powered by GCS

(http://www.gcssoftware.com)

Tax Year	Prop Type	Parcel Number	Municipality	Property Address	Billing Address	Owner	Owner
2017	Real Estate	044-00787-0000	044 - TOWN OF NORTH LANCASTER		PETER HARKNESS 301 W RT 30 ROCKFALLS IL 61071	HARKNESS, PETER	

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

Assessment Summary

Estimated Fair Market Value: **0**
Assessment Ratio: **0.0000**
Legal Acres: **0.353**

2017 valuations

Class	Acres	Land	Improvements	Total
G2 - COMMERCIAL	0.353	22000	3600	25600
ALL CLASSES	**0.353**	**22000**	**3600**	**25600**

2016 valuations

Class	Acres	Land	Improvements	Total
G2 - COMMERCIAL	0.353	22000	3600	25600
ALL CLASSES	**0.353**	**22000**	**3600**	**25600**

F.4. Signed Statement

WDNR BRRTS Case #: 03-22-002037

WDNR Site Name: Countryside Motors

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:

Peter Haykness

(print name/title)

(signature) (date)

Attachment G/Notification to Owners of Impacted Properties

There are no impacts to any other deeded properties.