



July 24, 2017

Ms. Judy Lengacher  
19721 60<sup>th</sup> St.  
Bristol, WI 53104-9746

**KEEP THIS DOCUMENT WITH YOUR PROPERTY RECORDS**

SUBJECT: Final Case Closure with Continuing Obligations  
Interstate Farm Equipment Former, 19721 60<sup>th</sup> St., Bristol, WI  
DNR BRRTS Activity #: 03-30-560331  
FID#: 230206570 PECFA#: 53104-9746-21-A

Dear Ms. Lengacher:

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

This final closure decision is based on the correspondence and data provided, and is issued under chs. NR 726 and 727, Wis. Adm. Code. A DNR Peer Review Committee from Southeast Region reviewed the request for closure on April 11, 2017. The Peer Review Committee reviewed this environmental remediation case for compliance with state laws and standards. A request for additional information was initiated in a phone call to your consultant on April 12, 2017 and reiterated in a follow-up email from DNR on April 17, 2017. The last of the additional information requested was received on July 14, 2017.

The property consists of a farmstead and a former farm implement dealership and repair facility. A 500-gallon gasoline underground storage tank was closed by removal in 1988. Petroleum contamination that appeared to have originated from the former UST system was identified during road construction planning activities in 2012. Soil, groundwater, and vapor pathways were evaluated as part of the site investigation, with natural attenuation being determined to be an adequate remedy based on the results. The conditions of closure and continuing obligations required were based on the property being used for residential purposes.

Continuing Obligations

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

- Residual soil contamination exists that must be properly managed should it be excavated or removed.

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

#### 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/rrsm.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 Plymouth Regional DNR office, at 1155 Pilgrim Road, Plymouth, WI 53073. This letter and information that was submitted with your closure request application, including any maps, can be found as a PDF in BRRTS on the Web.

#### Closure Conditions

Compliance with the requirements of this letter is a responsibility to which you or the ROW holder, and any subsequent property owners must adhere. DNR staff will conduct periodic prearranged inspections to ensure that the conditions included in this letter are met. If these requirements are not followed, the DNR may take enforcement action under s. 292.11, Wisconsin Statutes 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  
WDNR Southeast Region  
2300 North Martin Luther King Jr. Dr.  
Milwaukee, WI 53212

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

Soil contamination remains in the area of the former petroleum dispenser as indicated on the *Figure B.2.b Soil Contamination*, dated September 2, 2015. If soil in the specific locations described above is excavated in the future, the property owner at the time of excavation must sample and analyze the excavated soil to determine if contamination remains. If sampling confirms that contamination is present, the property owner at the time of excavation will need to determine whether the material is considered solid or hazardous waste and ensure that any storage, treatment or disposal is in compliance with applicable standards and rules. Contaminated soil may be managed in accordance with ch. NR 718, Wis. Adm. Code, with prior DNR approval. This continuing obligation also applies to the ROW holders for 60<sup>th</sup> Street (aka County Highway K).

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

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

#### Other Closure Information

##### PECFA Reimbursement

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

Per Wisconsin Act 55 (2015 State budget), a claim for PECFA reimbursement must be submitted within 180 days of incurring costs (i.e., completing a task). If your final PECFA claim is not submitted 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 the DNR Project Manager, Lee Delcore, at 920-893-8524, or at [lee.delcore@wisconsin.gov](mailto:lee.delcore@wisconsin.gov).

Sincerely,



Michele R. Norman  
Southeast Region Team Supervisor  
Remediation & Redevelopment Program

Attachments:

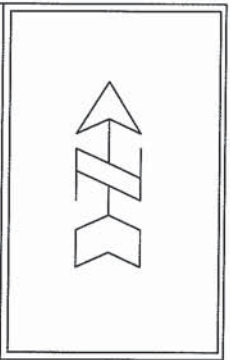
- Figure B.2.b Soil Contamination, dated September 2, 2015

cc: Jason Powell, METCO, 709 Gillette Street, Suite 3, La Crosse, WI 54603  
Gary Sipsma, Kenosha County Highway Department, 19600 75<sup>th</sup> Street, Suite 122-1, Bristol, WI 53104

B.2.b. RESIDUAL  
SOIL CONTAMINATION  
INTERSTATE FARM  
EQUIPMENT - FORMER

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

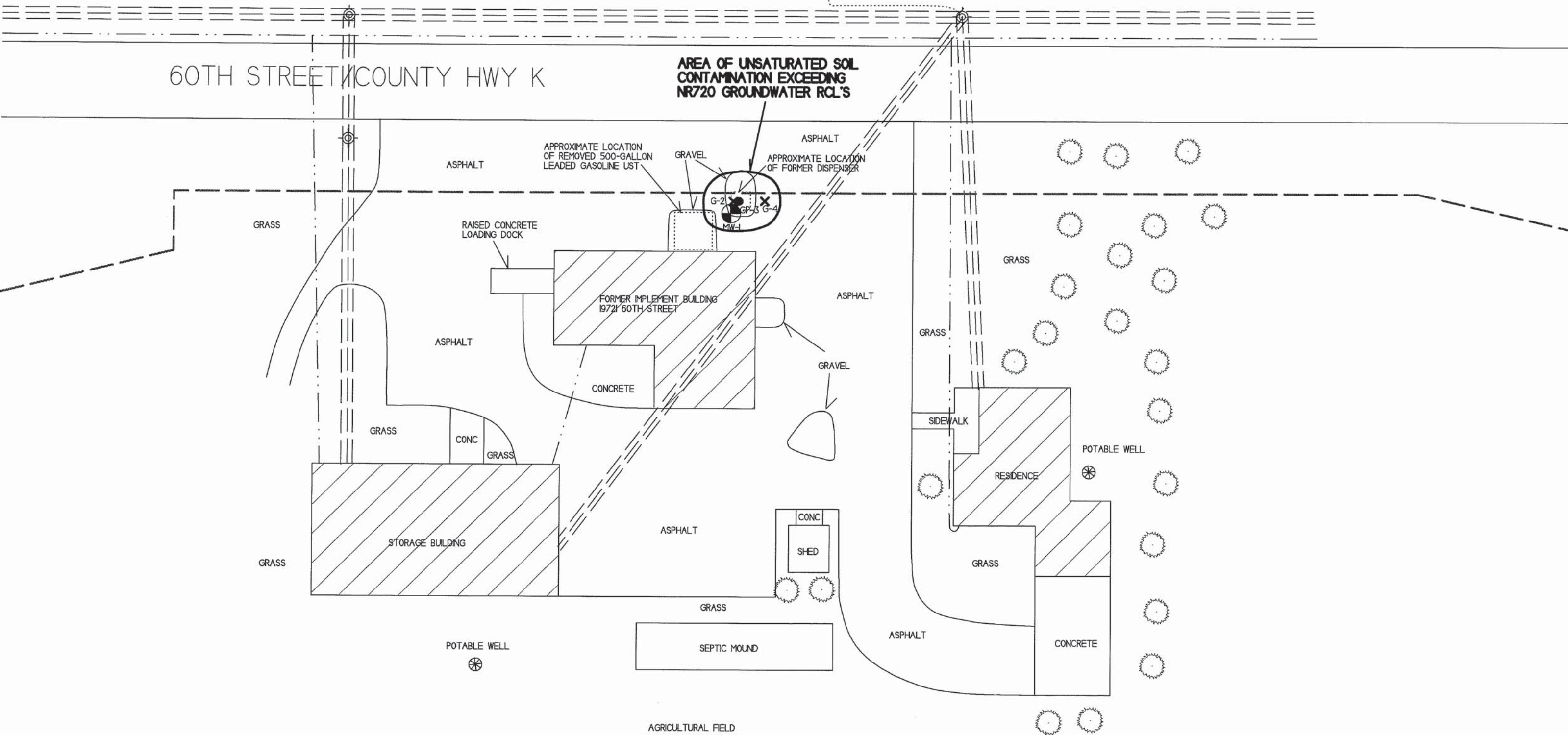
BRISTOL,  
WISCONSIN  
DRAWN BY: ED  
DATE: 09/02/2015



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

- - NATURAL GAS LINE
- =====  
=====  
=====  
=====  
=====  
----- - OVERHEAD UTILITIES
- - PROPERTY BOUNDARY

- - P2ESA SOIL BORING LOCATION
- ✕ - GEOPROBE BORING LOCATION
- ⊙ - POWER POLE
- ⊗ - MONITORING WELL LOCATION



**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. 03-30-560331	VPLE No.		
Parcel ID No. 37-4-121-052-0201	FID No. 230206570		
BRRTS Activity (Site) Name Interstate Farm Equipment Former		WTM Coordinates X 680162 Y 236311	
Site Address 19721 60th Street Acres Ready For Use		WTM Coordinates Represent: <input checked="" type="checkbox"/> Source Area <input type="checkbox"/> Parcel Center	
		City Bristol	State ZIP Code WI 53104
10			

Responsible Party (RP) Name Judy Lengacher
Company Name

Mailing Address 19721 60th Street	City Bristol	State WI	ZIP Code 53104
Phone Number (262) 857-7114	Email		

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

Environmental Consultant Name Ronald Anderson
Consulting Firm METCO

Mailing Address 709 Gillette Street, Suite 3	City La Crosse	State WI	ZIP Code 54603
Phone Number (608) 781-8879	Email rona@metcohq.com		

**Fees and Mailing of Closure Request**

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

<input checked="" type="checkbox"/> \$1,050 Closure Fee	<input checked="" type="checkbox"/> \$300 Database Fee for Soil
<input type="checkbox"/> \$350 Database Fee for Groundwater or Monitoring Wells (Not Abandoned)	Total Amount of Payment \$ <u>\$1,350.00</u>
	<input type="checkbox"/> Resubmittal, Fees Previously Paid
- Send one paper copy and one e-copy on compact disk of the entire closure package to the Regional Project Manager assigned to your site. Submit as unbound, separate documents in the order and with the titles prescribed by this form. For electronic document submittal requirements, see <http://dnr.wi.gov/files/PDF/pubs/rr/RR690.pdf>.

### Site Summary

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

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

- A. Site Location: Describe the physical location of the site, both generally and specific to its immediate surroundings.  
The Interstate Farm Equipment (Former) property, 19721 60th Street, is located approximately 675 feet east of the intersection of 200th Avenue (USH 45) and 60th Street (County Hwy K) in the Village of Bristol, Kenosha County, Wisconsin. The source property is bordered by 200th Avenue (USH 45) to the west, 60th Street (CTH K) to the north, and agricultural land to the east and south.
- B. Prior and current site usage: Specifically describe the current and historic occupancy and types of use.  
The subject property consists of a farmstead and a former farm implement dealership and repair facility. The farm implement dealership operated on the property from 1944 until 2005. A 500-gallon leaded gasoline underground storage tank (UST) existed at the implement, which was used primarily for fueling the implements equipment. The UST was removed in March 1988.
- 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 Village of Bristol, Wisconsin, the Interstate Farm Equipment (former) property located at 19721 60th Street is zoned "A-3 - Agriculture, Manufacturing, Marketing & Warehousing". The properties to the south, east, and to the north across County Highway K are also zoned "Agriculture". The property to the west across USH 45 is zoned "Residential".
- D. Describe how and when site contamination was discovered.  
On November 8, 2012, Himalayan Consultants, LLC conducted a Phase 2 Hazardous Materials Assessment (P2HMA) for the Wisconsin DOT. During the P2HMA, three soil borings (GP-1, -2, and -3) were conducted on the subject property to assess the potential of encountering contaminated soil in an upcoming road construction project. Six soil samples and one groundwater sample were collected for laboratory analysis. Petroleum contamination was encountered in soil boring GP-3, which was conducted near the former dispenser location. The petroleum contamination was subsequently reported to the WDNR, who then required that a site investigation be completed.
- E. Describe the type(s) and source(s) or suspected source(s) of contamination.  
Petroleum contamination appears to have originated from the former UST 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 subject property.
- H. List BRRTS activity/site name(s) and number(s) for all properties immediately adjacent to (abutting) this source property.  
There are no BRRTS activities for any immediately adjacent properties.

#### 2. General Site Conditions

- A. Soil/Geology
- i. Describe soil type(s) and relevant physical properties, thickness of soil column across the site, vertical and lateral variations in soil types.  
Geologic material in the area of investigation generally consist of a clay, to sandy silt/clay to sandy clay w/gravel from surface to at least 24 feet below ground surface (bgs). Lenses of silty/clayey sand were encountered in several locations and ranged in thickness from 0.5-2 feet.
  - ii. Describe the composition, location and lateral extent, and depth of fill or waste deposits on the site.  
Fill material consisting of sandy silt and gravel were encountered in the areas of the removed UST system and near County Hwy K.
  - iii. Describe the depth to bedrock, bedrock type, competency and whether or not it was encountered during the investigation.  
Competent bedrock was not encountered during the site investigation, but competent dolomite bedrock is expected to exist at approximately 200 feet bgs.
  - iv. Describe the nature and locations of current surface cover(s) across the site (e.g., natural vegetation, landscaped areas, gravel, hard surfaces, and buildings).  
The majority of the property that was investigated is covered by the implement building (former) and asphalt. A concrete pad and a concrete loading dock exist on the southwest and west sides of the building, and gravel areas exist where the former UST and dispenser were located, as well as two small areas on the east side of the building.

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 2.54 to 7.81 feet bgs depending on well location and time of year. Free product has never been encountered at the site. The stratigraphic unit where the water table is found consists of sandy silt to clay with gravel.

- 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 during the two rounds of sampling indicated local horizontal groundwater flow to range from southwest to southeast. Groundwater flow deeper in the aquifer is unknown, as piezometers were not installed during the investigation.

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

On July 19, 2016, METCO conducted slug tests on monitoring wells MW-1, MW-2, and MW-3. The slug test data was evaluated using the curve fitting program "Hydro-Test for Windows" Produced by Dakota Environmental, Inc. Slug test data was evaluated using the Bouwer and Rice method.

Hydrogeologic parameters were estimated as the following:

Monitoring Well MW-1  
Hydraulic Conductivity = 5.15E-04 cm/sec  
Transmissivity = 1.87E-01 cm<sup>2</sup>/sec  
Flow Velocity (V=KI/n) = 33.18 m/yr

Monitoring Well MW-2  
Hydraulic Conductivity = 2.14E-05 cm/sec  
Transmissivity = 9.57E-03 cm<sup>2</sup>/sec  
Flow Velocity (V=KI/n) = 1.38 m/yr

Monitoring Well MW-3  
Hydraulic Conductivity = 1.80E-04 cm/sec  
Transmissivity = 8.77E-02 cm<sup>2</sup>/sec  
Flow Velocity (V=KI/n) = 11.58 m/yr

Since the thickness of the unconfined aquifer was unknown, the bottoms of monitoring wells MW-1, MW-2, and MW-3 were assumed as the lower extent of the aquifer for calculation purposes.

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

There are two private potable wells on the subject property. The well for the former implement building is located approximately 150 feet to the southwest of the removed UST system. This well was installed and cased to 81 feet bgs, extending through clay, hardpan, sand, and gravel. The well for the residence is located approximately 140 feet to the southeast of the removed UST system. The surrounding properties within 1,200 feet of the former Interstate Farm Equipment site have private potable wells. The nearest of these is estimated to exist approximately 450 feet to the north of the removed UST system. The nearest municipal well (Village of Bristol Well #2) is located approximately 2,100 feet to the southwest of the removed UST system and serves the area to the south of the well.

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 November 8, 2012, Himalayan Consultants, LLC conducted a P2HMA for the Wisconsin DOT. During the P2HMA, three soil borings (GP-1, -2, and -3) were conducted on the subject property to assess the potential of encountering contaminated soil in an upcoming road construction project. Six soil samples and one groundwater sample were collected for laboratory analysis. Petroleum contamination was encountered in soil boring GP-3, which was conducted near the former dispenser location. The petroleum contamination was subsequently reported to the WDNR, who then required that a site investigation be completed. (Site Investigation Report - February 2017)

On December 7-8, 2015, METCO completed twelve Geoprobe borings. Forty-nine soil samples and nine groundwater samples were collected for field and/or laboratory analysis. Water samples were also collected from the shop private well and the house private well. (Site Investigation Report - February 2017)

On June 14, 2016, METCO completed one Geoprobe boring and four soil borings. Twenty-three soil samples and one

groundwater sample were collected for field and/or laboratory analysis. Four monitoring wells were installed in the soil boring locations. Upon completion, three monitoring wells were properly developed. Monitoring well MW-1 was dry at this time and not developed. (Site Investigation Report - February 2017)

On July 19, 2016, METCO collected groundwater samples from the four monitoring wells and two private wells for field and laboratory analysis (Round 1). During the sampling event, the monitoring wells were surveyed by Fauerbach Surveying. Slug tests were also conducted on three of the monitoring wells. (Site Investigation Report - February 2017)

On October 18, 2016, METCO collected groundwater samples from the four monitoring wells and two private wells for field and laboratory analysis (Round 2). (Site Investigation Report - February 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 does extend beyond the northern property boundary into the right-of-way of 60th Street (County Highway K). Soil contamination exceeding NR720 Groundwater RCL's appears to extend 7 feet north of the property boundary, measuring approximately 24 feet wide at the property boundary, and appears to exist at approximately 0-3.5 feet bgs. Please note that NR720 Direct Contact exceedances exist in soil boring GP-3 (44.4 ppm Naphthalene, 456 ppm 1,2,4-TMB, and 6.1 ppm Arsenic) at 0-2.5 feet bgs. However, the Arsenic is below the State's background threshold value of 8.0 ppm, and based on the results of METCO's Geoprobe boring G-2 and soil boring MW-1, the direct contact is very limited in extent and should not require a Cap Maintenance Plan.

Groundwater samples collected from the Geoprobe borings showed several NR140 ES and/or PAL exceedances. However, analytical data from the monitoring well network showed no NR140 exceedances for the compounds analyzed, therefore it does not appear that groundwater contamination has extended beyond the source property.

- 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, however, the Kenosha County Highway Department would not approve a monitoring well installation on the north side of 60th Street (County Hwy K) due to the upcoming road construction. Therefore, a Geoprobe boring was completed in this area instead, with a groundwater sample collected for laboratory analysis.

B. Soil

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

An area of unsaturated soil contamination exceeding the NR720 Groundwater RCLs was found in the area of the former dispenser. This soil contamination plume consists of an oval shaped area and appears to measure approximately 25 feet long, 19 feet wide, and up to 3 feet thick. Please note that NR720 Direct Contact exceedances exist in soil boring GP-3 (44.4 ppm Naphthalene and 6.1 ppm Arsenic) at 0-2.5 feet bgs. However, the Arsenic is below the State's background threshold value of 8.0 ppm, and based on the results of METCO's Geoprobe boring G-2 and soil boring MW-1, the direct contact is very limited in extent and should not require a Cap Maintenance Plan.

There are no underground utilities in the area of residual contamination, therefore, no utilities appear to be preferential contaminant migration pathways.

- ii. Describe the concentration(s) and types of soil contaminants found in the upper four feet of the soil column. Soil samples collected within the upper four feet of the soil column exceeding the NR720 Groundwater RCL's, Direct Contact RCL's and/or C-Sat values include:

GP-3: Naphthalene (44.4 ppm) 1,2,4-Trimethylbenzene (456 ppm), 1,3,5-Trimethylbenzene (157 ppm), Xylene (208.8 ppm), and Arsenic (6.10 ppm) at 0-2.5 feet bgs  
G-2-1: Benzene (0.258 ppm), Ethylbenzene (4.7 ppm), Naphthalene (2.73 ppm), Trimethylbenzenes (17.3 ppm), and Xylene (19.5 ppm) at 3.5 feet bgs  
G-4-1: Benzene (0.035 ppm) and Trimethylbenzenes (1.89 ppm) at 3.5 feet bgs  
MW-1-1: Benzene (0.097 ppm), Ethylbenzene (2.73 ppm), Naphthalene (3.8 ppm), Trimethylbenzenes (14.5 ppm), and Xylene (9.76 ppm) at 3.5 feet bgs.

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

The method used to establish the soil cleanup standards for this site were the NR720 RCL's. The property is zoned "A-3, Agriculture", 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.

The only groundwater samples collected that showed any NR140 ES and/or PAL exceedances were from Geoprobe borings, G-1 and G-2. These water samples were collected very near the source area and monitoring well MW-1, which did not show an NR140 exceedance during either sampling event. Analytical data from the entire monitoring well network has showed no NR140 exceedances for compounds analyzed. Based on this groundwater data collected from the monitoring wells, there does not appear to be any groundwater contamination exceeding the NR140 ES or PAL.

There are two private potable wells on the subject property which have been sampled on three separate occasions, and showed no detects for any contaminants analyzed during any event. The surrounding properties within 1,200 feet of the former Interstate Farm Equipment site have private potable wells. The nearest of these is estimated to exist approximately 450 feet to the north of the removed UST system. The nearest municipal well (Village of Bristol Well #2) is located approximately 2,100 feet to the southwest of the removed UST system and serves the area to the south of the well. Due to the distance/location to these wells, and that groundwater does not appear to be affected, there appears to be no risk to any potable wells/municipal wells at this time.

No building foundation drain systems are known to exist in this area.

- 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.

No vapor risks appear to be a concern at this site as there does not appear to be soil contamination within 5 feet horizontally or vertically of the building, and that no NR140 ES exceedances exist beneath 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/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.

Since the extent of petroleum contamination does not appear to have migrated to any surface waters, no surface water or sediment samples were collected.

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

No surface water or sediment samples were collected.

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

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

No remedial actions were conducted.

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

No interim actions were completed.

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

No remedial actions were completed.

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

No evaluation of Green and Sustainable Remediation was conducted.

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

An area of unsaturated soil contamination exceeding the NR720 Groundwater RCLs was found in the area of the former dispenser. This soil contamination plume consists of an oval shaped area and appears to measure approximately 25 feet long, 19 feet wide, and up to 3 feet thick. Please note that NR720 Direct Contact exceedances exist in soil boring GP-3 (44.4 ppm Naphthalene, 456 ppm 1,2,4-TMB, and 6.1 ppm Arsenic) at 0-2.5 feet bgs. However, the Arsenic is below the State's background threshold value of 8.0 ppm, and based on the results of METCO's Geoprobe boring G-2 and soil boring MW-1, the direct contact is very limited in extent and should not require a Cap Maintenance Plan.

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The extent of petroleum contamination in soil does extend beyond the northern property boundary into the right-of-way of 60th Street (County Highway K). Soil contamination exceeding NR720 Groundwater RCL's appears to extend 7 feet north of the property boundary, measuring approximately 24 feet wide at the property boundary, and appears to exist at approximately 0-3.5 feet bgs.

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

The only residual soil contamination remaining within the upper four feet of the soil column exceeding the NR720 Non-Industrial Direct Contact RCL's is from Geoprobe GP-3: Naphthalene (44.4 ppm), 1,2,4-TMB (456 ppm), and Arsenic (6.1 ppm) from 0-2.5 feet bgs. It is important to note that the Arsenic is below the State's background threshold value of 8.0 ppm, and based on the results of METCO's Geoprobe boring G-2 and soil boring MW-1, the direct contact is very limited in extent and should not require a Cap Maintenance Plan.

- 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:

GP-3: Naphthalene (44.4 ppm) 1,2,4-Trimethylbenzene (456 ppm), 1,3,5-Trimethylbenzene (157 ppm), Xylene (208.8 ppm), and Arsenic (6.10 ppm) at 0-2.5 feet bgs

G-2-1: Benzene (0.258 ppm), Ethylbenzene (4.7 ppm), Naphthalene (2.73 ppm), Trimethylbenzenes (17.3 ppm), and Xylene (19.5 ppm) at 3.5 feet bgs

G-4-1: Benzene (0.035 ppm) and Trimethylbenzenes (1.89 ppm) at 3.5 feet bgs

MW-1-1: Benzene (0.097 ppm), Ethylbenzene (2.73 ppm), Naphthalene (3.8 ppm), Trimethylbenzenes (14.5 ppm), and Xylene (9.76 ppm) at 3.5 feet bgs.

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

Although GP-3 does show NR720 Non-Industrial Direct Contact RCL's, recent borings (G-2 and MW-1), taken virtually within the same area of GP-3, do not show Direct Contact exceedances, nor the elevated levels that GP-3 originally showed. Based on the results from these borings, the direct contact is very limited in extent and should not require a Cap Maintenance Plan. Remaining soil contamination should be addressed via natural attenuation.

- I. If using natural attenuation as a groundwater remedy, describe how the data collected supports the conclusion that natural attenuation is effective in reducing contaminant mass and concentration (e.g., stable or receding groundwater plume). There are no NR140 ES and/or PAL exceedances for any contaminants of concern in the monitoring wells. Based on this, natural attention appears to be an effective method in reducing contaminant mass and concentration.

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

Any remaining exposure pathways will be addressed via natural attenuation.

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

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

There are no NR140 ES and/or PAL exceedances for any contaminants of concern in the monitoring wells.

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

No indoor/sub slab vapor samples were collected.

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

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

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

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

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

- 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.
- 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).
- 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.
- 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.
- 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.
- 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.
- 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

- 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.
- 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.
- RR Sites Map:** From RR Sites Map ([http://dnrmaps.wi.gov/sl/?Viewer=RR Sites](http://dnrmaps.wi.gov/sl/?Viewer=RR%20Sites)) attach a map depicting the source property, and all open and closed BRRTS sites within a half-mile radius or less of the property.

**B.2. Soil Figures**

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

**B.3. Groundwater Figures**

- B.3.a. **Geologic Cross-Section Figure(s):** One or more cross-section diagrams showing soil types and correlations across the site, water table and piezometric elevations, and locations and elevations of geologic rock units, if encountered. Display on one or more figures all of the following:
- Source location(s) and vertical extent of residual soil contamination exceeding an RCL. Distinguish between direct contact and the groundwater pathway RCLs.
  - Source location(s) and lateral and vertical extent if groundwater contamination exceeds ch. NR 140 ES.
  - Surface features, including buildings and basements, and show surface elevation changes.
  - Any areas of active remediation within the cross section path, such as excavations or treatment zones.
  - Include a map displaying the cross-section location(s), if they are not displayed on the Detailed Site Map (Map B.1.b.)
- B.3.b. **Groundwater Isoconcentration:** Figure(s) showing the horizontal extent of the post-remedial groundwater contamination exceeding a ch. NR 140, Wis. Adm. Code, PAL and/or an ES. Indicate the date and direction of groundwater flow based on the most recent sampling data.
- B.3.c. **Groundwater Flow Direction:** Figure(s) representing groundwater movement at the site. If the flow direction varies by more than 20° over the history of the site, submit two groundwater flow maps showing the maximum variation in flow direction.
- B.3.d. **Monitoring Wells:** Figure(s) showing all monitoring wells, with well identification number. Clearly designate any wells that: (1) are proposed to be abandoned; (2) cannot be located; (3) are being transferred; (4) will be retained for further sampling, or (5) have been abandoned.
- B.4. Vapor Maps and Other Media**
- B.4.a. **Vapor Intrusion Map:** Map(s) showing all locations and results for samples taken to investigate the vapor intrusion pathway in relation to residual soil and groundwater contamination, including sub-slab, indoor air, soil vapor, soil gas, ambient air, and communication testing. Show locations and footprints of affected structures and utility corridors, and/or where residual contamination poses a future risk of vapor intrusion.
- B.4.b. **Other media of concern (e.g., sediment or surface water):** Map(s) showing all sampling locations and results for other media investigation. Include the date of sample collection and identify where any standards are exceeded.
- B.4.c. **Other:** Include any other relevant maps and figures not otherwise noted above. (This section may remain blank).
- B.5. Structural Impediment Photos:** One or more photographs documenting the structural impediment feature(s) which precluded a complete site investigation or remediation at the time of the closure request. The photographs should document the area that could not be investigated or remediated due to a structural impediment. The structural impediment should be indicated on Figures B.2.a and B.2.b.

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

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

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

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

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

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

**Monitoring Well Information (Attachment E)**

**Directions for Monitoring Well Information:**

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

**Select One:**

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

**Source Legal Documents (Attachment F)**

**Directions for Source Legal Documents:**

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

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

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

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

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

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

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

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

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





Signatures and Findings for Closure Determination

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

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

[X] 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."

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

 2/6/17  
Signature Date

## **Attachment A/Data Tables**

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

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

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

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

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

**A.6 Water Level Elevations**

**A.7 Other – Natural Attenuation data**

**A.1 Groundwater Analytical Table  
(Geoprobe)  
Interstate Farm Equipment BRRTS #03-30-560331**

Sample ID	Date	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
GP-2	11/08/12	<0.41	<0.54	3.9	<0.89	<0.67	<1.80	<2.63
G-1-W	12/07/15	<b>94</b>	153	<4.9	77	205	423	733
G-2-W	12/07/15	<b>99</b>	<b>1455</b>	<22	<b>410</b>	730	<b>3800</b>	<b>5900</b>
G-3-W	12/07/15	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
G-4-W	12/08/15	<0.46	<0.73	<0.49	<2.6	<0.39	1.4-2.26	0.78-2.18
G-5-W	12/08/15	<0.46	<0.73	<0.49	<2.6	0.66	0.77-1.60	0.72-2.12
G-6-W	12/08/15	<0.46	<0.73	1.15	<2.6	<0.39	<1.51	0.85-2.25
G-7-W	12/08/15	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
G-8-W	12/08/15	<0.46	<0.73	<0.49	<2.6	0.85	<1.51	<2.06
G-9-W	12/08/15	<0.46	<0.73	54	<2.6	<0.39	<1.51	<2.06
G-13-W	06/14/16	<0.44	<0.71	<1.1	<1.6	<0.44	<3.1	<3.1
<b>ENFORCEMENT STANDARDS = Bold</b>		<b>5</b>	<b>700</b>	<b>60</b>	<b>100</b>	<b>800</b>	<b>480</b>	<b>2000</b>
<b>PREVENTIVE ACTION LIMIT PAL = Italics</b>		<i>0.5</i>	<i>140</i>	<i>12</i>	<i>10</i>	<i>160</i>	<i>96</i>	<i>400</i>

NS = Not Sampled

(ppb) = parts per billion

(ppm) = parts per million

DRO = Diesel Range Organics

GRO = Gasoline Range Organics

A.1 Groundwater Analytical Table  
 Interstate Farm Equipment BRRTS #03-30-560331  
 (Metals)

Well GP-2  
 PVC Elevation =

Date	Arsenic Total (ppb)	Barium Total (ppb)	Cadmium Total (ppb)	Chromium Total (ppb)	Lead Total (ppb)	Mercury Total (ppb)	Selenium Total (ppb)	Silver Total (ppb)
11/08/12	5.3 "J"	77.30	0.38	<2.0	<1.7	<0.10	<6.5	<2.5
<b>ENFORCE MENT STANDARD ES = Bold</b>	<b>10</b>	<b>2000</b>	<b>5</b>	<b>100</b>	<b>15</b>	<b>2</b>	<b>50</b>	<b>50</b>
<b>PREVENTIVE ACTION LIMIT PAL = Italics</b>	<i>1</i>	<i>400</i>	<i>0.5</i>	<i>10</i>	<i>1.5</i>	<i>0.2</i>	<i>10</i>	<i>10</i>

(ppb) = parts per billion

ns = not sampled

nm = not measured

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

A.1 Groundwater Analytical Table  
(VOC's)  
Interstate Farm Equipment BRRS #03-30-560331

Date 11/08/12 06/14/16

VOC's Well Name	GP-2	G-13-W	ENFORCE MENT STANDARD = ES - Bold	PREVENTIVE ACTION LIMIT = PAL - Italics
Benzene/ppb	<0.41	< 0.44	<b>5</b>	<i>0.5</i>
Bromobenzene/ppb	<0.82	< 0.48	==	==
Bromodichloromethane/ppb	<0.56	< 0.46	<b>0.6</b>	<i>0.06</i>
Bromoform/ppb	<0.94	< 0.46	<b>4.4</b>	<i>0.44</i>
tert-Butylbenzene/ppb	<0.97	< 1.1	==	==
sec-Butylbenzene/ppb	<0.89	< 1.2	==	==
n-Butylbenzene/ppb	<0.93	< 1	==	==
Carbon Tetrachloride/ppb	<0.49	< 0.51	<b>5</b>	<i>0.5</i>
Chlorobenzene/ppb	<0.41	< 0.46	==	==
Chloroethane/ppb	<0.97	< 0.65	<b>400</b>	<i>80</i>
Chloroform/ppb	<1.3	< 0.43	<b>6</b>	<i>0.6</i>
Chloromethane/ppb	<0.24	< 1.9	<b>30</b>	<i>3</i>
2-Chlorotoluene/ppb	<0.85	< 0.4	==	==
4-Chlorotoluene/ppb	<0.74	< 0.63	==	==
1,2-Dibromo-3-chloropropane/ppb	<1.7	< 1.4	<b>0.2</b>	<i>0.02</i>
Dibromochloromethane/ppb	<0.81	< 0.45	<b>60</b>	<i>6</i>
1,4-Dichlorobenzene/ppb	<0.95	< 0.49	<b>75</b>	<i>15</i>
1,3-Dichlorobenzene/ppb	<0.87	< 0.52	<b>600</b>	<i>120</i>
1,2-Dichlorobenzene/ppb	<0.83	< 0.46	<b>600</b>	<i>60</i>
Dichlorodifluoromethane/ppb	<0.99	< 0.87	<b>1000</b>	<i>200</i>
1,2-Dichloroethane/ppb	<0.36	< 0.48	<b>5</b>	<i>0.5</i>
1,1-Dichloroethane/ppb	<0.75	< 1.1	<b>850</b>	<i>85</i>
1,1-Dichloroethene/ppb	<0.57	< 0.65	<b>7</b>	<i>0.7</i>
cis-1,2-Dichloroethene/ppb	<0.83	< 0.45	<b>70</b>	<i>7</i>
trans-1,2-Dichloroethene/ppb	<0.89	< 0.54	<b>100</b>	<i>20</i>
1,2-Dichloropropane/ppb	<0.49	< 0.43	<b>5</b>	<i>0.5</i>
2,2-Dichloropropane/ppb	<0.62	< 3.1	==	==
1,3-Dichloropropane/ppb	<0.87	< 0.42	==	==
Di-isopropyl ether/ppb	<0.76	< 0.44	==	==
EDB (1,2-Dibromoethane)/ppb	<0.56	< 0.63	<b>0.05</b>	<i>0.005</i>
Ethylbenzene/ppb	<0.54	< 0.71	<b>700</b>	<i>140</i>
Hexachlorobutadiene/ppb	<0.67	< 2.2	==	==
Isopropylbenzene/ppb	<0.59	< 0.82	==	==
p-Isopropyltoluene/ppb	<0.67	< 1.1	==	==
Methylene chloride/ppb	<0.43	< 1.3	<b>5</b>	<i>0.5</i>
Methyl tert-butyl ether (MTBE)/ppb	3.9	< 1.1	<b>60</b>	<i>12</i>
Naphthalene/ppb	<0.89	< 1.6	<b>100</b>	<i>10</i>
n-Propylbenzene/ppb	<0.81	< 0.77	==	==
1,1,2,2-Tetrachloroethane/ppb	<0.92	< 0.52	<b>0.2</b>	<i>0.02</i>
1,1,1,2-Tetrachloroethane/ppb	<0.20	< 0.48	<b>70</b>	<i>7</i>
Tetrachloroethene (PCE)/ppb	<0.45	< 0.49	<b>5</b>	<i>0.5</i>
Toluene/ppb	<0.67	< 0.44	<b>800</b>	<i>160</i>
1,2,4-Trichlorobenzene/ppb	<0.74	< 1.7	<b>70</b>	<i>14</i>
1,2,3-Trichlorobenzene/ppb	<0.97	< 2.7	==	==
1,1,1-Trichloroethane/ppb	<0.90	< 0.84	<b>200</b>	<i>40</i>
1,1,2-Trichloroethane/ppb	<0.42	< 0.48	<b>5</b>	<i>0.5</i>
Trichloroethene (TCE)/ppb	<0.48	< 0.47	<b>5</b>	<i>0.5</i>
Trichlorofluoromethane/ppb	<0.79	< 0.87	==	==
1,2,4-Trimethylbenzene/ppb	<0.97	< 1.6	Total TMB's 480	
1,3,5-Trimethylbenzene/ppb	<0.83	< 1.5	Total TMB's 96	
Vinyl Chloride/ppb	<0.18	< 0.17	<b>0.2</b>	<i>0.02</i>
m&p-Xylene/ppb	<1.8	< 2.2	Total Xylenes 2000	
o-Xylene/ppb	<0.83	< 0.9	Total Xylenes 400	

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

A.1 Groundwater Analytical Table  
 Interstate Farm Equipment BRRTS #03-30-560331

Well Sampling Conducted on December 7, 2015

VOC's

Well Name

	PW House	PW Shop	ENFORCE MENT STANDARD = ES – Bold	PREVENTIVE ACTION LIMIT = PAL - <i>Italics</i>
Benzene/ppb	< 0.43	< 0.43		
Bromobenzene/ppb	< 0.48	< 0.48	<b>5</b>	<i>0.5</i>
Bromodichloromethane/ppb	< 0.48	< 0.48	==	==
Bromoform/ppb	< 0.9	< 0.9	==	==
Bromomethane/ppb	< 2.6	< 2.6	==	==
Carbon Tetrachloride/ppb	< 0.51	< 0.51	==	==
Chlorobenzene/ppb	< 0.45	< 0.45	==	==
Chloroethane/ppb	< 0.46	< 0.46	==	==
Chloroform/ppb	< 0.44	< 0.44	==	==
Chloromethane/ppb	< 0.79	< 0.79	==	==
2-Chlorotoluene/ppb	< 0.39	< 0.39	==	==
4-Chlorotoluene/ppb	< 0.46	< 0.46	==	==
Dibromochloromethane/ppb	< 0.6	< 0.6	==	==
Dibromomethane/ppb	< 0.56	< 0.56	==	==
1,4-Dichlorobenzene/ppb	< 0.48	< 0.48	==	==
1,3-Dichlorobenzene/ppb	< 0.54	< 0.54	==	==
1,2-Dichlorobenzene/ppb	< 0.46	< 0.46	==	==
Dichlorodifluoromethane/ppb	< 0.91	< 0.91	==	==
1,2-Dichloroethane/ppb	< 0.48	< 0.48	==	==
1,1-Dichloroethane/ppb	< 0.98	< 0.98	<b>5</b>	<i>0.5</i>
1,1-Dichloroethene/ppb	< 0.52	< 0.52	<b>850</b>	<i>85</i>
cis-1,2-Dichloroethene/ppb	< 0.46	< 0.46	==	==
trans-1,2-Dichloroethene/ppb	< 0.49	< 0.49	==	==
1,2-Dichloropropane/ppb	< 0.5	< 0.5	<b>70</b>	<i>7</i>
2,2-Dichloropropane/ppb	< 2.1	< 2.1	==	==
1,3-Dichloropropane/ppb	< 0.42	< 0.42	==	==
trans-1,3-Dichloropropene/ppb	< 0.51	< 0.51	==	==
cis-1,3-Dichloropropene/ppb	< 0.44	< 0.44	==	==
1,1-Dichloropropene/ppb	< 0.58	< 0.58	==	==
Ethylbenzene/ppb	< 0.39	< 0.39	==	==
Hexachlorobutadiene/ppb	< 0.92	< 0.92	<b>700</b>	<i>140</i>
Isopropylbenzene/ppb	< 0.44	< 0.44	==	==
p-Isopropyltoluene/ppb	< 0.49	< 0.49	==	==
Methylene chloride/ppb	< 0.45	< 0.45	==	==
Methyl tert-butyl ether (MTBE)/ppb	< 1	< 1	==	==
Naphthalene/ppb	< 0.67	< 0.67	<b>60</b>	<i>12</i>
Styrene/ppb	< 0.4	< 0.4	<b>100</b>	<i>10</i>
1,1,2,2-Tetrachloroethane/ppb	< 0.53	< 0.53	==	==
1,1,1,2-Tetrachloroethane/ppb	< 0.52	< 0.52	==	==
Tetrachloroethene(PCE)/ppb	< 0.49	< 0.49	==	==
Toluene/ppb	< 0.45	< 0.45	<b>5</b>	<i>0.5</i>
1,2,4-Trichlorobenzene/ppb	< 0.55	< 0.55	<b>800</b>	<i>160</i>
1,1,1-Trichloroethane/ppb	< 0.35	< 0.35	==	==
1,1,2-Trichloroethane/ppb	< 0.55	< 0.55	==	==
Trichloroethene (TCE)/ppb	< 0.48	< 0.48	==	==
Trichlorofluoromethane/ppb	< 0.91	< 0.91	<b>5</b>	<i>0.5</i>
1,2,3-Trichloropropane/ppb	< 0.99	< 0.99	==	==
Trichlorotrifluoroethane/ppb	< 0.86	< 0.86	==	==
1,2,4-Trimethylbenzene/ppb	< 0.52	< 0.52		
1,3,5-Trimethylbenzene/ppb	< 0.47	< 0.47		
Vinyl Chloride/ppb	< 0.2	< 0.2	<b>Total TMB's 480</b>	<i>Total TMB's 96</i>
m&p-Xylene/ppb	< 0.85	< 0.85	==	==
o-Xylene/ppb	< 0.55	< 0.55	<b>Total Xylenes 2000</b>	<i>Total Xylenes 400</i>

Note: Bold type indicates an ES exceedance, *italics* indicates a PAL exceedance. NS = not sampled, NM = Not Measured

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

== = No Exceedances

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

**A.1 Groundwater Analytical Table**  
**Interstate Farm Equipment BRRTS #03-30-560331**

**Well MW-1**

PVC Elevation = 729.92 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
07/19/16	725.81	4.11	<0.8	<0.44	<0.71	1.96	<1.6	<0.44	<3.1	<3.1
10/18/16	726.21	3.71	<0.8	<0.46	<0.73	1.74	<2.6	<0.39	<1.51	<2.06
<b>ENFORCE MENT STANDARD ES = Bold</b>			<b>15</b>	<b>5</b>	<b>700</b>	<b>60</b>	<b>100</b>	<b>800</b>	<b>480</b>	<b>2000</b>
<b>PREVENTIVE ACTION LIMIT PAL = Italics</b>			<i>1.5</i>	<i>0.5</i>	<i>140</i>	<i>12</i>	<i>10</i>	<i>160</i>	<i>96</i>	<i>400</i>

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

**Well MW-2**

PVC Elevation = 728.45 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
07/19/16	723.11	5.34	<0.8	<0.44	<0.71	<1.1	<1.6	<0.44	<3.1	<3.1
10/18/16	721.18	7.27	<0.8	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
<b>ENFORCE MENT STANDARD ES = Bold</b>			<b>15</b>	<b>5</b>	<b>700</b>	<b>60</b>	<b>100</b>	<b>800</b>	<b>480</b>	<b>2000</b>
<b>PREVENTIVE ACTION LIMIT PAL = Italics</b>			<i>1.5</i>	<i>0.5</i>	<i>140</i>	<i>12</i>	<i>10</i>	<i>160</i>	<i>96</i>	<i>400</i>

(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 = 725.43 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
07/19/16	721.42	4.01	<0.8	<0.44	<0.71	<1.1	<1.6	<0.44	<3.1	<3.1
10/18/16	723.07	2.36	<0.8	<0.46	<0.73	1.24	<2.6	<0.39	<1.51	<2.06
<b>ENFORCE MENT STANDARD ES = Bold</b>			<b>15</b>	<b>5</b>	<b>700</b>	<b>60</b>	<b>100</b>	<b>800</b>	<b>480</b>	<b>2000</b>
<b>PREVENTIVE ACTION LIMIT PAL = Italics</b>			<i>1.5</i>	<i>0.5</i>	<i>140</i>	<i>12</i>	<i>10</i>	<i>160</i>	<i>96</i>	<i>400</i>

(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**  
**Interstate Farm Equipment BRRTS #03-30-560331**

**Well MW-4**

PVC Elevation = 725.6 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
07/19/16	722.16	3.44	<0.8	<0.44	<0.71	<1.1	<1.6	<0.44	<3.1	<3.1
10/18/16	723.43	2.17	<0.8	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
<b>ENFORCE MENT STANDARD ES = Bold</b>			<b>15</b>	<b>5</b>	<b>700</b>	<b>60</b>	<b>100</b>	<b>800</b>	<b>480</b>	<b>2000</b>
<b>PREVENTIVE ACTION LIMIT PAL = Italics</b>			<i>1.5</i>	<i>0.5</i>	<i>140</i>	<i>12</i>	<i>10</i>	<i>160</i>	<i>96</i>	<i>400</i>

(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 19721 PW House**

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
12/07/15	NM	NM	NS	<0.43	<0.39	<1	<0.67	<0.45	<0.99	<1.40
07/19/16	NM	NM	NS	<0.44	<0.71	<1.1	<1.6	<0.44	<3.1	<3.1
10/18/16	NM	NM	NS	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
<b>ENFORCE MENT STANDARD ES = Bold</b>			<b>15</b>	<b>5</b>	<b>700</b>	<b>60</b>	<b>100</b>	<b>800</b>	<b>480</b>	<b>2000</b>
<b>PREVENTIVE ACTION LIMIT PAL = Italics</b>			<i>1.5</i>	<i>0.5</i>	<i>140</i>	<i>12</i>	<i>10</i>	<i>160</i>	<i>96</i>	<i>400</i>

(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 19721 PW Shop**

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
12/07/15	NM	NM	NS	<0.43	<0.39	<1	<0.67	<0.45	<0.99	<1.40
07/19/16	NM	NM	NS	<0.44	<0.71	<1.1	<1.6	<0.44	<3.1	<3.1
10/18/16	NM	NM	NS	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
<b>ENFORCE MENT STANDARD ES = Bold</b>			<b>15</b>	<b>5</b>	<b>700</b>	<b>60</b>	<b>100</b>	<b>800</b>	<b>480</b>	<b>2000</b>
<b>PREVENTIVE ACTION LIMIT PAL = Italics</b>			<i>1.5</i>	<i>0.5</i>	<i>140</i>	<i>12</i>	<i>10</i>	<i>160</i>	<i>96</i>	<i>400</i>

(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  
Interstate Farm Equipment BRRTS #03-30-560331

Well Sampling Conducted on: 07/19/16 07/19/16 07/19/16 07/19/16 07/19/16 07/19/16

VOC's Well Name	MW-1	MW-2	MW-3	MW-4	19721 PW House	19721 PW Shop	ENFORCEMENT STANDARD = ES - Bold		PREVENTIVE ACTION LIMIT = PAL - Italics
Lead, dissolved/ppb	< 0.8	< 0.8	< 0.8	< 0.8	NS	NS	<b>15</b>	<i>1.5</i>	
Benzene/ppb	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	<b>5</b>	<i>0.5</i>	
Bromobenzene/ppb	< 0.48	< 0.48	< 0.48	< 0.48	< 0.48	< 0.48	==	==	
Bromodichloromethane/ppb	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	<b>0.6</b>	<i>0.06</i>	
Bromoform/ppb	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	<b>4.4</b>	<i>0.44</i>	
tert-Butylbenzene/ppb	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	==	==	
sec-Butylbenzene/ppb	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	==	==	
n-Butylbenzene/ppb	< 1	< 1	< 1	< 1	< 1	< 1	==	==	
Carbon Tetrachloride/ppb	< 0.51	< 0.51	< 0.51	< 0.51	< 0.51	< 0.51	<b>5</b>	<i>0.5</i>	
Chlorobenzene/ppb	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	==	==	
Chloroethane/ppb	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	<b>400</b>	<i>80</i>	
Chloroform/ppb	< 0.43	< 0.43	< 0.43	< 0.43	< 0.43	< 0.43	<b>6</b>	<i>0.6</i>	
Chloromethane/ppb	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	<b>30</b>	<i>3</i>	
2-Chlorotoluene/ppb	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	==	==	
4-Chlorotoluene/ppb	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	==	==	
1,2-Dibromo-3-chloropropane/ppb	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	<b>0.2</b>	<i>0.02</i>	
Dibromochloromethane/ppb	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	<b>60</b>	<i>6</i>	
1,4-Dichlorobenzene/ppb	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	<b>75</b>	<i>15</i>	
1,3-Dichlorobenzene/ppb	< 0.52	< 0.52	< 0.52	< 0.52	< 0.52	< 0.52	<b>600</b>	<i>120</i>	
1,2-Dichlorobenzene/ppb	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	<b>600</b>	<i>60</i>	
Dichlorodifluoromethane/ppb	< 0.87	< 0.87	< 0.87	< 0.87	< 0.87	< 0.87	<b>1000</b>	<i>200</i>	
1,2-Dichloroethane/ppb	0.76 "J"	< 0.88	< 0.48	< 0.48	< 0.48	< 0.48	<b>5</b>	<i>0.5</i>	
1,1-Dichloroethane/ppb	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	<b>850</b>	<i>85</i>	
1,1-Dichloroethene/ppb	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	<b>7</b>	<i>0.7</i>	
cis-1,2-Dichloroethene/ppb	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	<b>70</b>	<i>7</i>	
trans-1,2-Dichloroethene/ppb	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	<b>100</b>	<i>20</i>	
1,2-Dichloropropane/ppb	< 0.43	< 0.43	< 0.43	< 0.43	< 0.43	< 0.43	<b>5</b>	<i>0.5</i>	
2,2-Dichloropropane/ppb	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	==	==	
1,3-Dichloropropane/ppb	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	==	==	
Di-isopropyl ether/ppb	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	==	==	
EDB (1,2-Dibromoethane)/ppb	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	<b>0.05</b>	<i>0.005</i>	
Ethylbenzene/ppb	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	<b>700</b>	<i>140</i>	
Hexachlorobutadiene/ppb	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	==	==	
Isopropylbenzene/ppb	< 0.82	< 0.82	< 0.82	< 0.82	< 0.82	< 0.82	==	==	
p-Isopropyltoluene/ppb	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	==	==	
Methylene chloride/ppb	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	<b>5</b>	<i>0.5</i>	
Methyl tert-butyl ether (MTBE)/ppb	1.96 "J"	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	<b>60</b>	<i>12</i>	
Naphthalene/ppb	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	<b>100</b>	<i>10</i>	
n-Propylbenzene/ppb	< 0.77	< 0.77	< 0.77	< 0.77	< 0.77	< 0.77	==	==	
1,1,2,2-Tetrachloroethane/ppb	< 0.52	< 0.52	< 0.52	< 0.52	< 0.52	< 0.52	<b>0.2</b>	<i>0.02</i>	
1,1,1,2-Tetrachloroethane/ppb	< 0.48	< 0.48	< 0.48	< 0.48	< 0.48	< 0.48	<b>70</b>	<i>7</i>	
Tetrachloroethene (PCE)/ppb	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	<b>5</b>	<i>0.5</i>	
Toluene/ppb	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	<b>800</b>	<i>160</i>	
1,2,4-Trichlorobenzene/ppb	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	<b>70</b>	<i>14</i>	
1,2,3-Trichlorobenzene/ppb	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	==	==	
1,1,1-Trichloroethane/ppb	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84	<b>200</b>	<i>40</i>	
1,1,2-Trichloroethane/ppb	< 0.48	< 0.48	< 0.48	< 0.48	< 0.48	< 0.48	<b>5</b>	<i>0.5</i>	
Trichloroethene (TCE)/ppb	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	<b>5</b>	<i>0.5</i>	
Trichlorofluoromethane/ppb	< 0.87	< 0.87	< 0.87	< 0.87	< 0.87	< 0.87	==	==	
1,2,4-Trimethylbenzene/ppb	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	==	==	
1,3,5-Trimethylbenzene/ppb	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	==	==	
Vinyl Chloride/ppb	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	<b>Total TMB's 480</b>	<i>Total TMB's 96</i>	
m&p-Xylene/ppb	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	<b>0.2</b>	<i>0.02</i>	
o-Xylene/ppb	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	<b>Total Xylenes 2000</b>	<i>Total Xylenes 400</i>	

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



**A.2. Soil Analytical Results Table**  
**Interstate Farm Equipment BRRTS #03-30-560331**

Sampling Conducted on:	11/08/12	11/08/12	11/08/12	11/08/12	11/08/12	11/08/12	12/07/15			
VOC's								<b>Bold =</b>	<b>Underline &amp;</b>	<b>Asteric * &amp; Bold</b>
Sample ID#	GP-1	GP-1	GP-2	GP-2	GP-3	GP-3	G-1-2	Groundwater	<b>Bold = Direct</b>	<b>=Soil Saturation</b>
Sample Depth/ft.	5-7.5	15-17.5	2-5.5	10-12.5	0-2.5	10-12.5	8	RCL	<b>Contact RCL</b>	<b>(C-sat) RCL</b>
Solids Percent							83.7			
Lead/ppm	8.4	6.2	7.3	8.5	21.3	9.3	8.5	27	400	
Benzene/ppm	<0.025	<0.025	<0.025	<0.025	<3.12	<b>0.263</b>	[7.8]	<b>0.00512</b>	1.49	1820
Bromobenzene/ppm	<0.025	<0.025	<0.025	<0.025	<3.12	<0.050	<0.78	==	354	==
Bromodichloromethane/ppm	<0.025	<0.025	<0.025	<0.025	<3.12	<0.050	<0.3	<b>0.000326</b>	0.39	==
Bromoform/ppm	<0.0259	<0.0259	<0.0259	<0.0259	<3.24	<0.0518	<0.46	<b>0.00233</b>	61.6	==
tert-Butylbenzene/ppm	<0.025	<0.025	<0.025	<0.025	<3.12	<0.050	<0.7	==	183	183
sec-Butylbenzene/ppm	<0.025	<0.025	<0.025	<0.025	<3.12	0.0946	<0.72	==	145	145
n-Butylbenzene/ppm	<0.0404	<0.025	<0.0404	<0.0404	<3.12	<0.0808	<1.72	==	108	108
Carbon Tetrachloride/ppm	<0.025	<0.025	<0.025	<0.025	<3.12	<0.050	<0.42	<b>0.00388</b>	0.85	==
Chlorobenzene/ppm	<0.025	<0.025	<0.025	<0.025	<3.12	<0.050	<0.78	==	392	==
Chloroethane/ppm	<0.025	<0.025	<0.025	<0.025	<3.12	<0.050	<0.9	<b>0.227</b>	==	==
Chloroform/ppm	<0.025	<0.025	<0.025	<0.025	<3.12	<0.050	<0.52	<b>0.0033</b>	0.42	==
Chloromethane/ppm	<0.025	<0.025	<0.025	<0.025	<3.12	<0.050	<5	<b>0.0155</b>	171	==
2-Chlorotoluene/ppm	<0.025	<0.025	<0.025	<0.025	<3.12	<0.050	<0.58	==	==	==
4-Chlorotoluene/ppm	<0.025	<0.025	<0.025	<0.025	<3.12	<0.050	<0.64	==	==	==
1,2-Dibromo-3-chloropropane/ppm	<0.025	<0.0823	<0.0823	<0.0823	<3.12	<0.165	<1.56	<b>0.000173</b>	0.01	==
Dibromochloromethane/ppm	<0.025	<0.025	<0.025	<0.025	<3.12	<0.050	<0.62	<b>0.032</b>	0.93	==
1,4-Dichlorobenzene/ppm	<0.025	<0.025	<0.025	<0.025	<3.12	<0.050	<0.6	<b>0.144</b>	3.48	==
1,3-Dichlorobenzene/ppm	<0.025	<0.025	<0.025	<0.025	<3.12	<0.050	<0.6	<b>1.15</b>	297	297
1,2-Dichlorobenzene/ppm	<0.0444	<0.0444	<0.0444	<0.0444	<3.12	<0.0888	<0.78	<b>1.17</b>	376	376
Dichlorodifluoromethane/ppm	<0.025	<0.025	<0.025	<0.025	<3.12	<0.050	<0.86	<b>3.08</b>	135	==
1,2-Dichloroethane/ppm	<0.025	<0.025	<0.025	<0.025	<3.12	<0.050	<0.6	<b>0.00284</b>	0.61	540
1,1-Dichloroethane/ppm	<0.025	<0.025	<0.025	<0.025	<3.12	<0.050	<0.5	<b>0.484</b>	4.72	==
1,1-Dichloroethene/ppm	<0.025	<0.025	<0.025	<0.025	<3.12	<0.050	<0.58	<b>0.00502</b>	342	==
cis-1,2-Dichloroethene/ppm	<0.025	<0.025	<0.025	<0.025	<3.12	<0.050	<0.42	<b>0.0412</b>	156	==
trans-1,2-Dichloroethene/ppm	<0.025	<0.025	<0.025	<0.025	<3.12	<0.050	<0.48	<b>0.0588</b>	211	==
1,2-Dichloropropane/ppm	<0.025	<0.025	<0.025	<0.025	<3.12	<0.050	<0.5	<b>0.00332</b>	1.33	==
2,2-Dichloropropane/ppm	<0.025	<0.025	<0.025	<0.025	<3.12	<0.050	<2	==	527	527
1,3-Dichloropropane/ppm	<0.025	<0.025	<0.025	<0.025	<3.12	<0.050	<0.62	==	1490	1490
Di-isopropyl ether/ppm	<0.025	<0.025	<0.025	<0.025	<3.12	<0.050	<0.24	==	2260	2260
EDB (1,2-Dibromoethane)/ppm	<0.0823	<0.025	<0.025	<0.025	<3.12	<0.050	<0.7	<b>0.000282</b>	0.05	==
Ethylbenzene/ppm	<0.025	<0.025	<0.025	<0.025	<3.12	<b>2.5</b>	[10.1]	<b>1.57</b>	7.47	480
Hexachlorobutadiene/ppm	<0.0264	<0.0264	<0.0264	<0.0264	<3.12	<0.0528	<2.2	==	6.23	==
Isopropylbenzene/ppm	<0.025	<0.025	<0.025	<0.025	<3.12	0.257	<0.74	==	==	==
p-Isopropyltoluene/ppm	<0.025	<0.025	<0.025	<0.025	5.470 "J"	0.0604J	<1.12	==	162	162
Methylene chloride/ppm	<0.025	<0.025	<0.025	<0.025	<b>4.070 "J"</b>	<0.050	<4.4	<b>0.00256</b>	60.7	==
Methyl tert-butyl ether (MTBE)/ppm	<0.025	<0.025	<0.025	<0.025	<3.12	<0.050	<0.5	<b>0.027</b>	59.4	8870
Naphthalene/ppm	<0.025	<0.025	<0.025	<0.025	<b>44.4</b>	<b>0.758</b>	<b>2.89 "J"</b>	<b>0.659</b>	5.15	==
n-Propylbenzene/ppm	<0.025	<0.025	<0.025	<0.025	6.980 "J"	1.010	2.92	==	==	==
1,1,2,2-Tetrachloroethane/ppm	<0.025	<0.025	<0.025	<0.025	<3.12	<0.050	<0.26	<b>0.000156</b>	0.75	==
1,1,1,2-Tetrachloroethane/ppm	<0.025	<0.025	<0.025	<0.025	<3.12	<0.050	<0.58	<b>0.0533</b>	2.59	==
Tetrachloroethene (PCE)/ppm	<0.025	<0.025	<0.025	<0.025	<3.12	<0.050	<1.08	<b>0.00454</b>	30.7	==
Toluene/ppm	<0.025	<0.025	<0.025	<0.025	<3.12	<b>3.94</b>	<b>25.2</b>	<b>1.11</b>	818	818
1,2,4-Trichlorobenzene/ppm	<0.025	<0.025	<0.025	<0.025	<3.12	<0.050	<1.7	<b>0.408</b>	22.1	==
1,2,3-Trichlorobenzene/ppm	<0.025	<0.025	<0.025	<0.025	<3.12	<0.050	<2.4	==	48.9	==
1,1,1-Trichloroethane/ppm	<0.025	<0.025	<0.025	<0.025	<3.12	<0.050	<0.8	<b>0.14</b>	==	==
1,1,2-Trichloroethane/ppm	<0.025	<0.025	<0.025	<0.025	<3.12	<0.050	<0.66	<b>0.00324</b>	1.48	==
Trichloroethene (TCE)/ppm	<0.025	<0.025	<0.025	<0.025	<3.12	<0.050	<0.84	<b>0.00358</b>	0.64	==
Trichlorofluoromethane/ppm	<0.025	<0.025	<0.025	<0.025	<3.12	<0.050	<1.2	==	1120	==
1,2,4-Trimethylbenzene/ppm	<0.025	<0.025	<0.025	<0.025	<b>456</b>	<b>6.56</b>	<b>18.4</b>	<b>1.38</b>	89.8	219
1,3,5-Trimethylbenzene/ppm	<0.025	<0.025	<0.025	<0.025	<b>157</b>	<b>1.86</b>	<b>5.5 "J"</b>	<b>1.38</b>	182	182
Vinyl Chloride/ppm	<0.025	<0.025	<0.025	<0.025	<3.12	<0.050	<0.2	<b>0.000138</b>	0.07	==
m&p-Xylene/ppm	<0.050	<0.050	<0.050	<0.050	<b>145</b>	<b>8.22</b>	<b>22.3</b>	<b>3.94</b>	258	258
o-Xylene/ppm	<0.025	<0.025	<0.025	<0.025	<b>63.8</b>	<b>3.3</b>	<b>8.9</b>	<b>3.94</b>	258	258

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

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

Note: Exceedences within brackets indicate Non-Industrial Direct Contact RCL exceedences that are greater than 4 feet below ground surface (bgs)

**A.2 Soil Analytical Results Table  
(8 – RCRA Metals)  
Interstate Farm Equipment BRRTS #03-30-560331**

Sample ID	Depth (feet)	Saturation U/S	Date	Arsenic Total (ppm)	Barium Total (ppm)	Cadmium Total (ppm)	Chromium Total (ppm)	Lead Total (ppm)	Mercury Total (ppm)	Selenium Total (ppm)	Silver Total (ppm)	DIRECT CONTACT PVOC, PAH & RCRA METALS COMBINED		
												Exceedance Count	Hazard Index	Cumulative Cancer Risk
GP-1	5-7.5	S	11/08/12	6.0	40.40	<0.034	18.00	8.40	0.01	<0.53	<0.24			
GP-1	15-17.5	S	11/08/12	5.80	18.00	<0.034	8.90	6.20	0.0064	<0.53	<0.24			
GP-2	2.5-5	U	11/08/12	6.30	33.0	<0.035	12.90	7.30	0.012	<0.54	<0.25	0	0.0007	
GP-2	10-12.5	S	11/08/12	5.0	0.0437	<0.033	20.0	8.50	0.013	<0.52	<0.24			
GP-3	0-2.5	U	11/08/12	6.10	89.0	<0.035	37.80	21.30	0.011	<0.55	<0.25	<b>2</b>	5.7564	
GP-3	10-12.5	S	11/08/12	5.50	55.4	<0.032	20.4	9.3	0.0090	<0.49	<0.22			
<b>Groundwater RCL</b>				<b>0.584</b>	<b>164.8</b>	<b>.752</b>	<b>360000</b>	<b>27</b>	<b>.208</b>	<b>.520</b>	<b>0.8491</b>		-	-
<b>Non-Industrial Direct Contact RCL</b>				<b>0.677</b>	<b>15300</b>	<b>71.1</b>	-	<b>400</b>	<b>3.13</b>	<b>391</b>	<b>391</b>		<b>1.00E+00</b>	<b>1.00E-05</b>
<b>Industrial Direct Contact RCL</b>				<b>(3)</b>	<b>(100000)</b>	<b>(985)</b>	-	<b>(800)</b>	<b>(3.13)</b>	<b>(8540)</b>	<b>(5840)</b>		<b>(1.00E+00)</b>	<b>(1.00E-05)</b>
<b>Soil Saturation Concentration (C-sat)*</b>				-	-	-	-	-	-	-	-		-	-
<b>State Background Threshold Value</b>				<b>8^</b>	-	-	-	-	-	-	-		-	-

**Bold = Groundwater RCL Exceedance**

**Bold & Underline = Non Industrial Direct Contact RCL Exceedance**

**(Bold & Parentheses) = Industrial Direct Contact RCL Exceedance**

**Bold & Asteric \* = C-sat Exceedance**

NS = Not Sampled

NM = Not Measured

(ppm) = parts per million

PID = Photoionization Detector

- No Exceedences

ND = Not Detected

A.3. Residual Soil Contamination Table  
 (8 – RCRA Metals)  
 Interstate Farm Equipment BRRTS #03-30-560331

Sample ID	Depth (feet)	Saturation U/S	Date	Arsenic Total (ppm)	Barium Total (ppm)	Cadmium Total (ppm)	Chromium Total (ppm)	Lead Total (ppm)	Mercury Total (ppm)	Selenium Total (ppm)	Silver Total (ppm)	Exceedance Count	Hazard Index	Cumulative Cancer Risk
GP-3	0-2.5	U	11/08/12	6.10	89.0	<0.035	37.80	21.30	0.011	<0.55	<0.25	2	5.7564	
GP-3	10-12.5	S	11/08/12	5.50	55.4	<0.032	20.4	9.3	0.0090	<0.49	<0.22			
<b>Groundwater RCL</b>				<b>0.584</b>	<b>164.8</b>	<b>.752</b>	<b>360000</b>	<b>27</b>	<b>.208</b>	<b>.520</b>	<b>0.8491</b>			
<b>Non-Industrial Direct Contact RCL</b>				<b>0.677</b>	<b>15300</b>	<b>71.1</b>	-	<b>400</b>	<b>3.13</b>	<b>391</b>	<b>391</b>		-	-
<b>Industrial Direct Contact RCL</b>				<b>(3)</b>	<b>(100000)</b>	<b>(985)</b>	-	<b>(800)</b>	<b>(3.13)</b>	<b>(8540)</b>	<b>(5840)</b>		<b>1.00E+00</b>	<b>1.00E-05</b>
<b>Soil Saturation Concentration (C-sat)*</b>				-	-	-	-	-	-	-	-		<b>(1.00E+00)</b>	<b>(1.00E-05)</b>
<b>State Background Threshold Value</b>				<b>8^</b>	-	-	-	-	-	-	-		-	-

**Bold = Groundwater RCL Exceedance**

**Bold & Underline = Non Industrial Direct Contact RCL Exceedance**

**(Bold & Parentheses) = Industrial Direct Contact RCL Exceedance**

**Bold & Asteric \* = C-sat Exceedance**

NS = Not Sampled

NM = Not Measured

(ppm) = parts per million

PID = Photoionization Detector

- No Exceedences

ND = Not Detected

**A.3. Residual Soil Contamination Table**  
**Interstate Farm Equipment BRRTS #03-30-560331**

Sample ID	Depth (feet)	Saturation U/S	Date	PID	Lead (ppm)	DRO (ppm)	GRO (ppm)	Benzene (ppm)	Ethyl Benzene (ppm)	MTBE (ppm)	Naphthalene (ppm)	Toluene (ppm)	1,2,4-Trime-thylbenzene (ppm)	1,3,5-Trime-thylbenzene (ppm)	Xylene (Total) (ppm)	Other VOC's (ppb)	DIRECT CONTACT PVOC & PAH COMBINED		
																	Exeedance Count	Hazard Index	Cumulative Cancer Risk
GP-3	0-2.5	U	11/08/12	NM	21.30	1320	3120	<3.12	<3.12	NS	<b>44.4</b>	<3.12	<b>456*</b>	<b>157</b>	<b>208.8</b>	SEE VOC SHEET	<b>2</b>	5.7564	
GP-3	10-12.5	S	11/08/12	NM	9.30	3070	651	<b>0.263</b>	<b>2.5</b>	NS	<b>0.758</b>	<b>3.94</b>	<b>6.56</b>	<b>1.86</b>	<b>11.52</b>	SEE VOC SHEET			
G-1-2	8.0	S	12/07/15	565.00	8.5	NS	NS	<b>[7.8]</b>	<b>[10.1]</b>	<0.5	<b>2.89</b>	<b>25.2</b>	<b>18.4</b>	<b>5.5</b>	<b>31.2</b>	SEE VOC SHEET			
G-1-3	12.0	S	12/07/15	65.00	NS	NS	NS	<b>[5.9]</b>	<b>4.2</b>	<0.025	<b>1.41</b>	<b>1.54</b>	<b>7.8</b>	<b>2.59</b>	<b>11.84</b>	NS			
G-1-4	16.0	S	12/07/15	55.00	NS	NS	NS	<b>[8.4]</b>	<b>5.6</b>	<0.025	<b>1.51</b>	<b>3.08</b>	<b>8.5</b>	<b>2.76</b>	<b>14.41</b>	NS			
G-2-1	3.5	U	12/07/15	20.00	7.21	NS	NS	<b>0.258</b>	<b>4.7</b>	<0.025	<b>2.73</b>	0.269	<b>13.2</b>	<b>4.1</b>	<b>19.5</b>	NS	0	2.10E-01	1.3E-06
G-2-2	8.0	S	12/07/15	10.00	NS	NS	NS	<b>0.0259</b>	<0.025	<0.025	0.046	0.0312	0.046	0.033	<0.075	NS			
G-4-1	3.5	U	12/07/15	1.00	6.84	NS	NS	<b>0.035</b>	0.52	<0.025	0.65	0.067	<b>0.90</b>	<b>0.99</b>	0.509	NS	0	3.29E-02	2.2E-07
G-4-2	8.0	S	12/07/15	0.60	NS	NS	NS	<b>0.055</b>	0.046	<0.025	0.38	0.068	<b>1.7</b>	<b>0.71</b>	0.303	NS			
G-6-3	12.0	S	12/08/15	16.50	NS	NS	NS	<0.025	<0.025	<0.025	<b>[12.5]</b>	0.38	<b>2.12</b>	<b>0.97</b>	<0.075	NS			
G-6-4	16.0	S	12/08/15	1.20	NS	NS	NS	<0.025	<0.025	<0.025	<b>0.76</b>	0.035	0.14	0.105	0.134	NS			
MW-1-1	3.5	U	06/14/16	53.00	NS	NS	106	<b>0.097</b>	<b>2.73</b>	<0.025	<b>3.8</b>	0.136	<b>10.5</b>	<b>4</b>	<b>9.76</b>	NS	0	1.55E-01	1.20E-06
<b>Groundwater RCL</b>					<b>27</b>	-	-	<b>0.00512</b>	<b>1.57</b>	<b>0.027</b>	<b>0.659</b>	<b>1.11</b>	<b>1.38</b>		<b>3.94</b>	-			
<b>Non-Industrial Direct Contact RCL</b>					<b>400</b>	-	-	<b>1.49</b>	<b>7.47</b>	<b>59.4</b>	<b>5.15</b>	<b>818</b>	<b>89.8</b>	<b>182</b>	<b>258</b>	-			
<b>Industrial Direct Contact RCL</b>					<b>800</b>	-	-	<b>7.41</b>	<b>37</b>	<b>293</b>	<b>26</b>	<b>818</b>	<b>219</b>	<b>182</b>	<b>258</b>	-	1.00E+00	1.00E-05	
<b>Soil Saturation Concentration (C-sat)*</b>					-	-	-	<b>1820*</b>	<b>480*</b>	<b>8870*</b>	-	<b>818*</b>	<b>219*</b>	<b>182*</b>	<b>258*</b>	-	1.00E+00	1.00E-05	

**Bold = Groundwater RCL Exceedance**

**Bold & Underline = Non Industrial Direct Contact RCL Exceedance**

*Italics = Industrial Direct Contact RCL*

Asteric \* = C-sat Exceedance

NS = Not Sampled

NM = Not Measured

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

(ppm) = parts per million

DRO = Diesel Range Organics

GRO = Gasoline Range Organics

PID = Photoionization Detector

PVOC's = Petroleum Volatile Organic Compounds

Note: Exceedances within brackets indicate Non-Industrial Direct Contact RCL exceedances that are greater than 4 feet below ground surface (bgs)

A.3. Residual Soil Contamination Table  
 (8 – RCRA Metals)  
 Interstate Farm Equipment BRRTS #03-30-560331

Sample ID	Depth (feet)	Saturation U/S	Date	Arsenic Total (ppm)	Barium Total (ppm)	Cadmium Total (ppm)	Chromium Total (ppm)	Lead Total (ppm)	Mercury Total (ppm)	Selenium Total (ppm)	Silver Total (ppm)	Exceedance Count	Hazard Index	Cumulative Cancer Risk
GP-3	0-2.5	U	11/08/12	6.10	89.0	<0.035	37.80	21.30	0.011	<0.55	<0.25	<u>2</u>	5.7564	
GP-3	10-12.5	S	11/08/12	5.50	55.4	<0.032	20.4	9.3	0.0090	<0.49	<0.22			
<b>Groundwater RCL</b>				<b>0.584</b>	<b>164.8</b>	<b>.752</b>	<b>360000</b>	<b>27</b>	<b>.208</b>	<b>.520</b>	<b>0.8491</b>		-	-
<b>Non-Industrial Direct Contact RCL</b>				<b>0.677</b>	<b>15300</b>	<b>71.1</b>	-	<b>400</b>	<b>3.13</b>	<b>391</b>	<b>391</b>		<b>1.00E+00</b>	<b>1.00E-05</b>
<b>Industrial Direct Contact RCL</b>				<b>(3)</b>	<b>(100000)</b>	<b>(985)</b>	-	<b>(800)</b>	<b>(3.13)</b>	<b>(8540)</b>	<b>(5840)</b>		<b>(1.00E+00)</b>	<b>(1.00E-05)</b>
<b>Soil Saturation Concentration (C-sat)*</b>				-	-	-	-	-	-	-	-		-	-
<b>State Background Threshold Value</b>				<b>8<sup>^</sup></b>	-	-	-	-	-	-	-		-	-

Bold = Groundwater RCL Exceedance

**Bold & Underline = Non Industrial Direct Contact RCL Exceedance**

**(Bold & Parentheses) = Industrial Direct Contact RCL Exceedance**

**Bold & Asteric \* = C-sat Exceedance**

NS = Not Sampled

NM = Not Measured

(ppm) = parts per million

PID = Photoionization Detector

- No Exceedences

ND = Not Detected

**A.6 Water Level Elevations**  
**Interstate Farm Equipment BRRTS #03-30-560331**  
**Bristol, Wisconsin**

	<b>MW-1</b>	<b>MW-2</b>	<b>MW-3</b>	<b>MW-4</b>
<b>Ground Surface (feet msl)</b>	730.23	728.99	725.73	725.97
<b>PVC top (feet msl)</b>	729.92	728.45	725.43	725.60
<b>Well Depth (feet)</b>	16.00	20.00	20.00	22.00
<b>Top of screen (feet msl)</b>	724.23	718.99	715.73	713.97
<b>Bottom of screen (feet msl)</b>	714.23	708.99	705.73	703.97

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

<b>07/19/16</b>	4.11	5.34	4.01	3.44
<b>10/18/16</b>	3.71	7.27	2.36	2.17

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

<b>07/19/16</b>	4.42	5.88	4.31	3.81
<b>10/18/16</b>	4.02	7.81	2.66	2.54

**Groundwater Elevation (feet msl)**

<b>07/19/16</b>	725.81	723.11	721.42	722.16
<b>10/18/16</b>	726.21	721.18	723.07	723.43

CNL = Could Not Locate

A = Abandoned and removed during soil excavation project

NI = Not Installed



**A.7 Other**  
**Groundwater NA Indicator Results**  
**Interstate Farm Equipment BRRS #03-30-560331**

**Well MW-1**

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Manganese (ppb)
07/19/16	1.19	6.69	266	20.2	NA	0.90	370.4	0.24	390
10/18/16	1.32	6.91	230	18.6	1201.0	NS	NS	NS	NS
<b>ENFORCE MENT STANDARD = ES - Bold</b>						<b>10</b>	-	-	<b>300</b>
<b>PREVENTIVE ACTION LIMIT = PAL - Italics</b>						<b>2</b>	-	-	<b>60</b>

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

**Well MW-2**

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Manganese (ppb)
07/19/16	1.72	7.04	272	16.2	NA	<0.15	597.4	0.06	459
10/18/16	0.86	6.88	206	17.8	1992.0	NS	NS	NS	NS
<b>ENFORCE MENT STANDARD = ES - Bold</b>						<b>10</b>	-	-	<b>300</b>
<b>PREVENTIVE ACTION LIMIT = PAL - Italics</b>						<b>2</b>	-	-	<b>60</b>

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

**Well MW-3**

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Manganese (ppb)
07/19/16	1.87	7.1	260	20.9	NA	1.28	364.5	0.09	286
10/18/16	1.61	7.22	191	18.8	910.0	NS	NS	NS	NS
<b>ENFORCE MENT STANDARD = ES - Bold</b>						<b>10</b>	-	-	<b>300</b>
<b>PREVENTIVE ACTION LIMIT = PAL - Italics</b>						<b>2</b>	-	-	<b>60</b>

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

**Well MW-4**

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Manganese (ppb)
07/19/16	4.00	6.74	189	21.0	NA	0.53	676.7	1.94	715
10/18/16	0.78	6.85	232	19.2	2746.0	NS	NS	NS	NS
<b>ENFORCE MENT STANDARD = ES - Bold</b>						<b>10</b>	-	-	<b>300</b>
<b>PREVENTIVE ACTION LIMIT = PAL - Italics</b>						<b>2</b>	-	-	<b>60</b>

(ppb) = parts per billion (ppm) = parts per million  
 ns = not sampled nm = not measured ORP = Oxidation Reduction Potential  
 Note: Elevations are presented in feet mean sea level (msl).  
 Please note that on 7/19/2016 we could not get specific conductance readings due to meter malfunction.

## **Attachment B/Maps and Figures**

### **B.1 Location Maps**

#### **B.1.a Location Map**

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

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

### **B.2 Soil Figures**

#### **B.2.a Soil Contamination**

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

### **B.3 Groundwater Figures**

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

B.3.b Groundwater Isoconcentration - Analytical data from the entire monitoring well network has showed no NR140 exceedances for compounds analyzed. Based on this groundwater data collected from the monitoring wells, there does not appear to be a groundwater contaminant plume.

#### **B.3.c Groundwater Flow Direction**

#### **B.3.d Monitoring Wells**

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

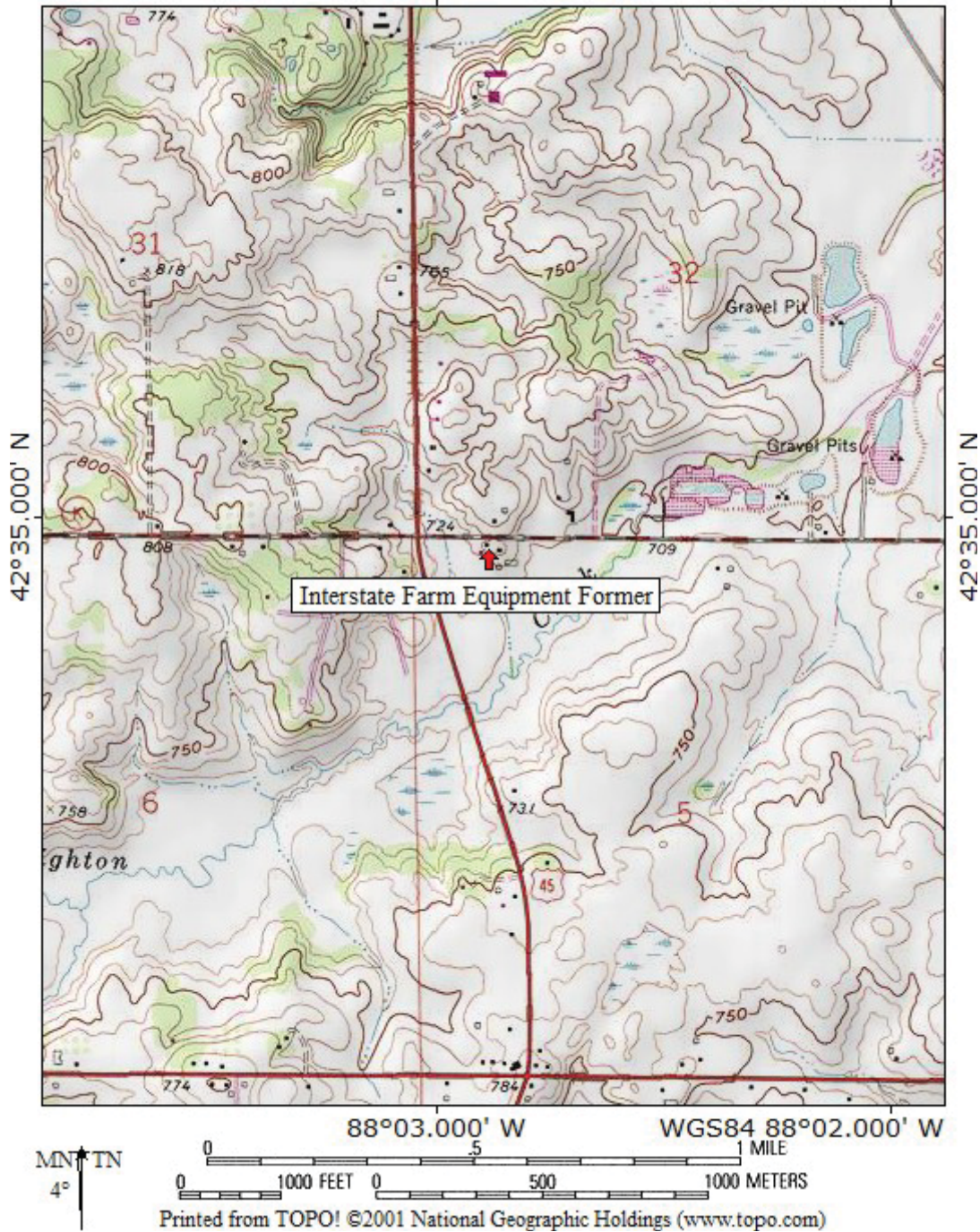
B.4.a Vapor Intrusion Map - No vapor samples were assessed as part of the site investigation.

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 – Not Applicable

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

TOPO! map printed on 09/02/15 from "Wisconsin.tpo" and "Untitled.tpg"  
88°03.000' W WGS84 88°02.000' W



B.1.a LOCATION MAP
CONTOUR INTERVAL 10 FEET
INTERSTATE FARM EQUIPMENT FORMER – BRISTOL, WI
SEAMLESS USGS TOPOGRAPHIC MAPS ON CD-ROM

**B.I.b. DETAILED SITE MAP  
(PROPERTY BOUNDARY)  
INTERSTATE FARM  
EQUIPMENT - FORMER**

**METCO**  
700 Glendale Street, Suite 3  
P.O. Box 101  
Bristol, WI 54603  
Tel: (608) 781-8870  
Fax: (608) 781-8883

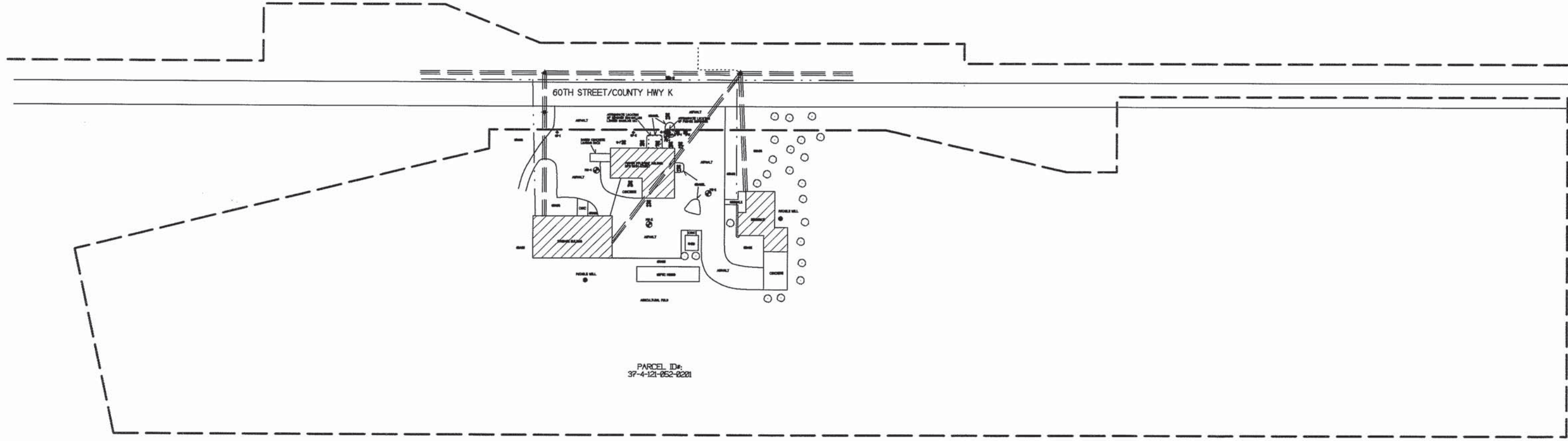
**BRISTOL,  
WISCONSIN**  
DRAWN BY: ED  
DATE: 06/02/2005



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


- - - - - NATURAL GAS LINE
- ==== OVERHEAD UTILITIES
- - - - - PROPERTY BOUNDARY
- ⊙ POTABLE WELL LOCATION
- P2ESA SOIL BORING LOCATION
- ✕ GEOPROBE BORING LOCATION
- ⊕ POWER POLE
- ⊙ MONITORING WELL LOCATION

SCALE 1 INCH = 100 FEET



PARCEL ID#:  
37-4-121-052-0201


B.I.b.  
**DETAILED SITE MAP**  
 INTERSTATE FARM  
 EQUIPMENT - FORMER



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 La Crosse, WI 54603  
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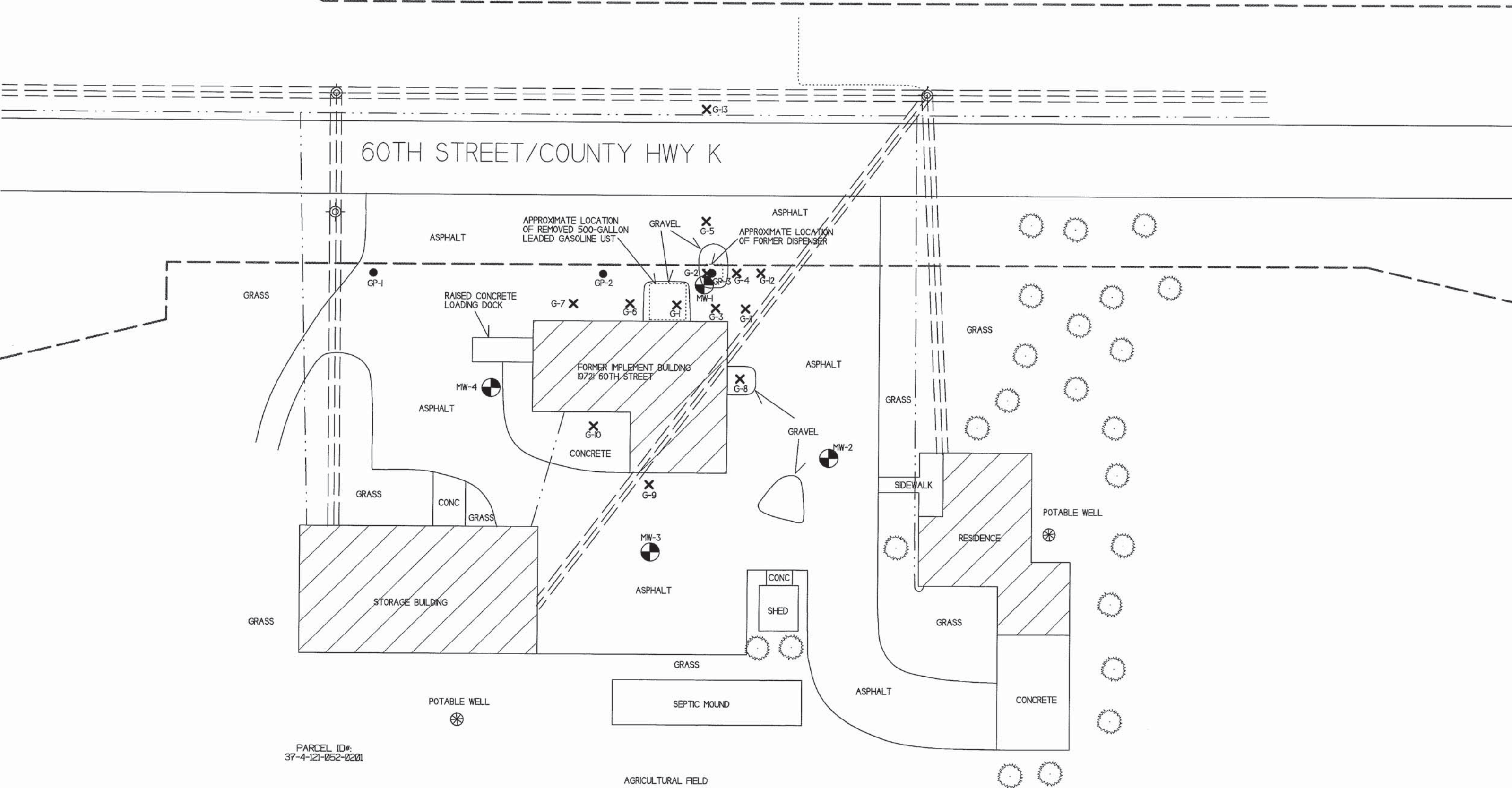
**BRISTOL,  
 WISCONSIN**

DRAWN BY: ED  
 DATE: 09/02/2015



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

- — — — — - NATURAL GAS LINE
- ≡ ≡ ≡ ≡ ≡ ≡ - OVERHEAD UTILITIES
- - - - - - PROPERTY BOUNDARY
- ⊗ - POTABLE WELL LOCATION
- - P2ESA SOIL BORING LOCATION
- ✕ - GEOPROBE BORING LOCATION
- ⊙ - POWER POLE
- ⊗ (with center dot) - MONITORING WELL LOCATION

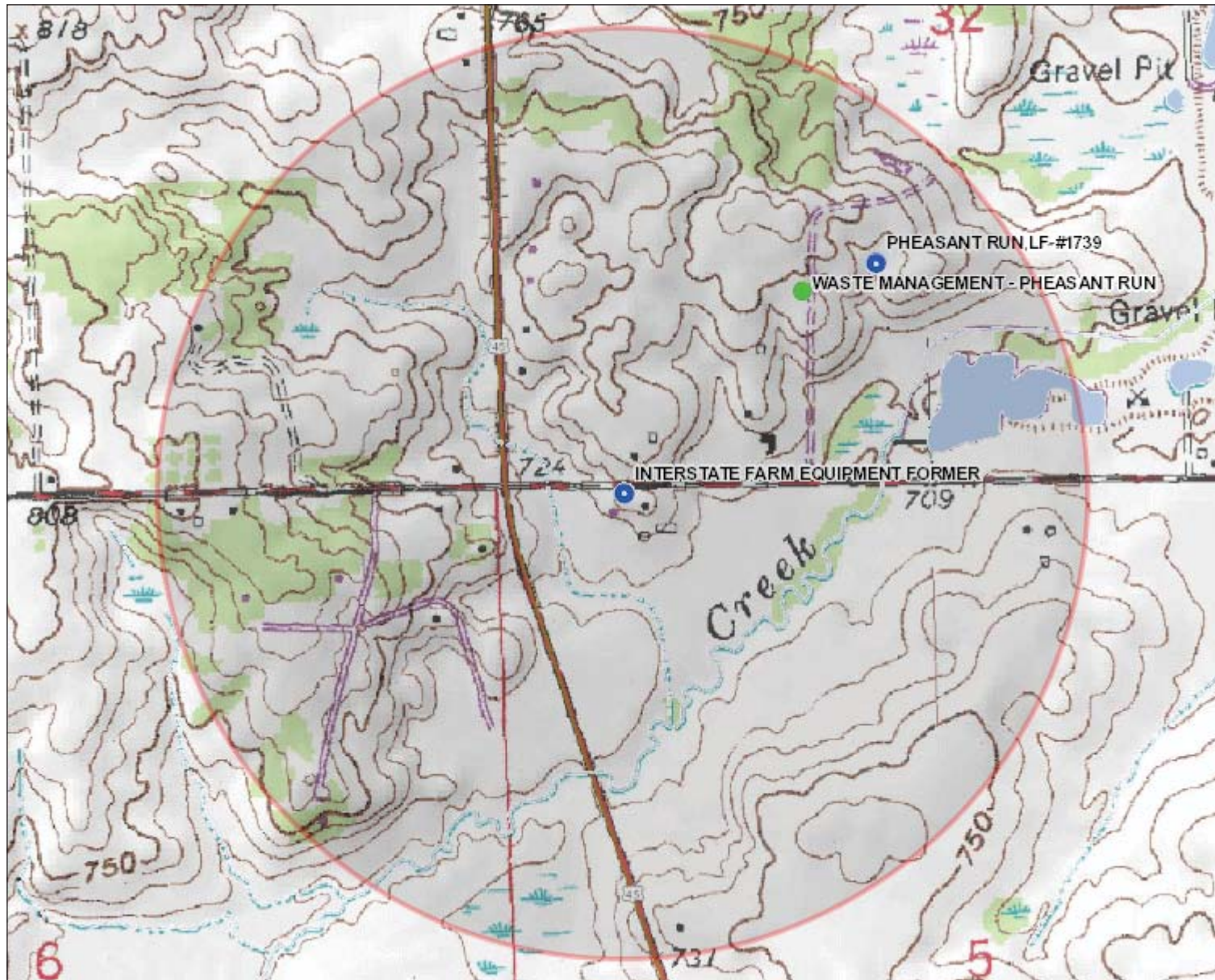


PARCEL ID#:  
 37-4-121-052-0201

AGRICULTURAL FIELD



# B.1.c RR Sites Map



### Legend

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



NAD\_1983\_HARN\_Wisconsin\_TM

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1: 10,557




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

### Notes

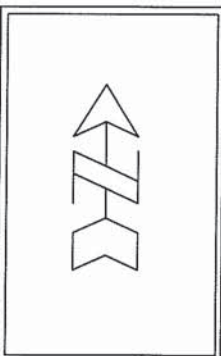
B.2.a.  
SOIL CONTAMINATION  
INTERSTATE FARM  
EQUIPMENT - FORMER



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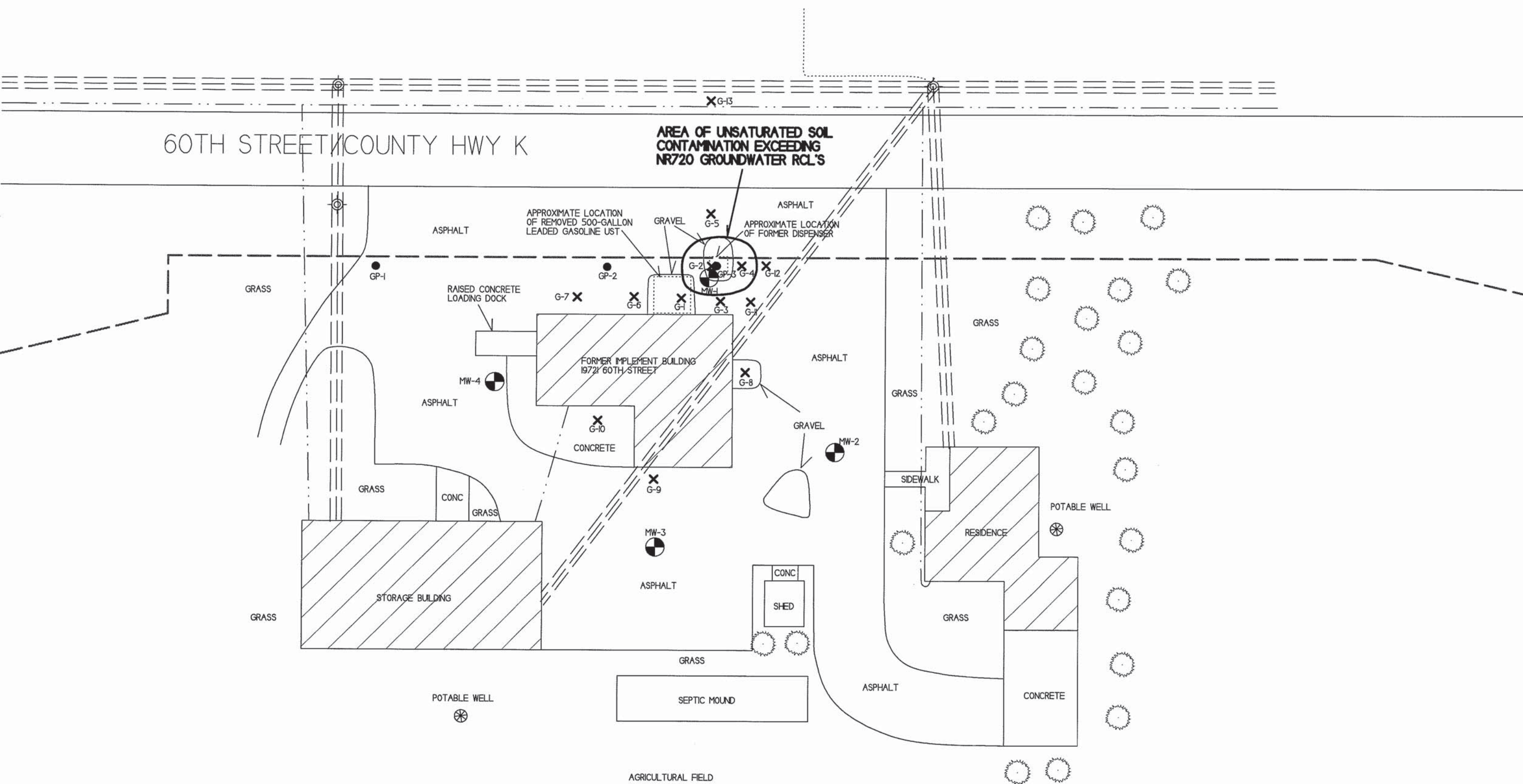
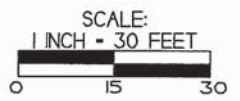
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NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER

- - NATURAL GAS LINE
- =====  
=====  
=====  
=====  
=====  
----- - OVERHEAD UTILITIES
- - PROPERTY BOUNDARY

-  - POTABLE WELL LOCATION
-  - P2ESA SOIL BORING LOCATION
-  - GEOPROBE BORING LOCATION
-  - POWER POLE
-  - MONITORING WELL LOCATION



AGRICULTURAL FIELD

B.2.b. RESIDUAL  
SOIL CONTAMINATION  
INTERSTATE FARM  
EQUIPMENT - FORMER

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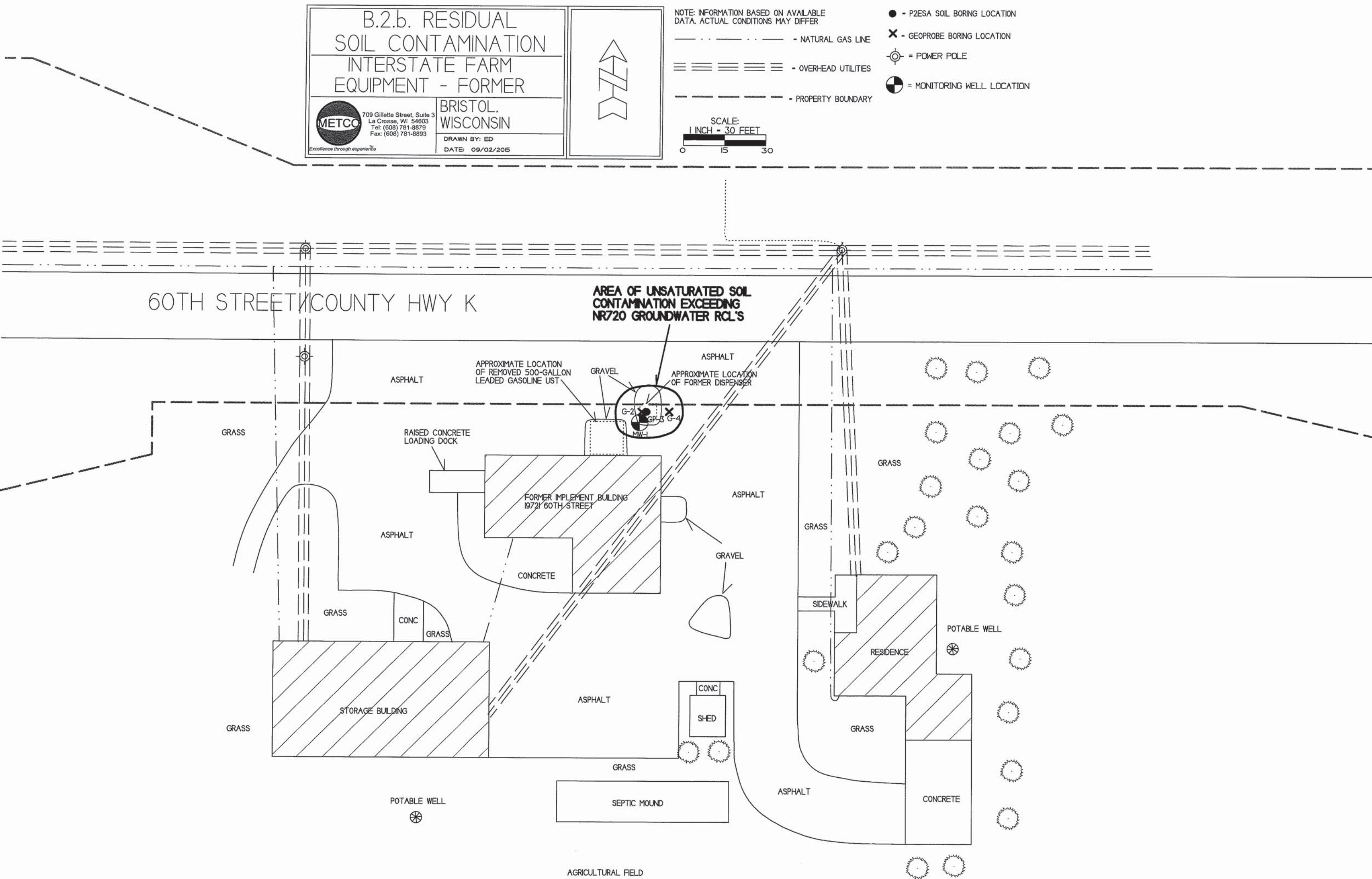
BRISTOL,  
WISCONSIN  
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DATE: 09/02/2015



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


- - NATURAL GAS LINE
- =====  
=====  
=====  
=====  
=====  
----- - OVERHEAD UTILITIES
- - PROPERTY BOUNDARY

- - P2ESA SOIL BORING LOCATION
- ✕ - GEOPROBE BORING LOCATION
- ⊙ - POWER POLE
- ⊗ - MONITORING WELL LOCATION





B.3.a. GEOLOGIC  
CROSS-SECTION FIGURE  
INTERSTATE FARM  
EQUIPMENT - FORMER



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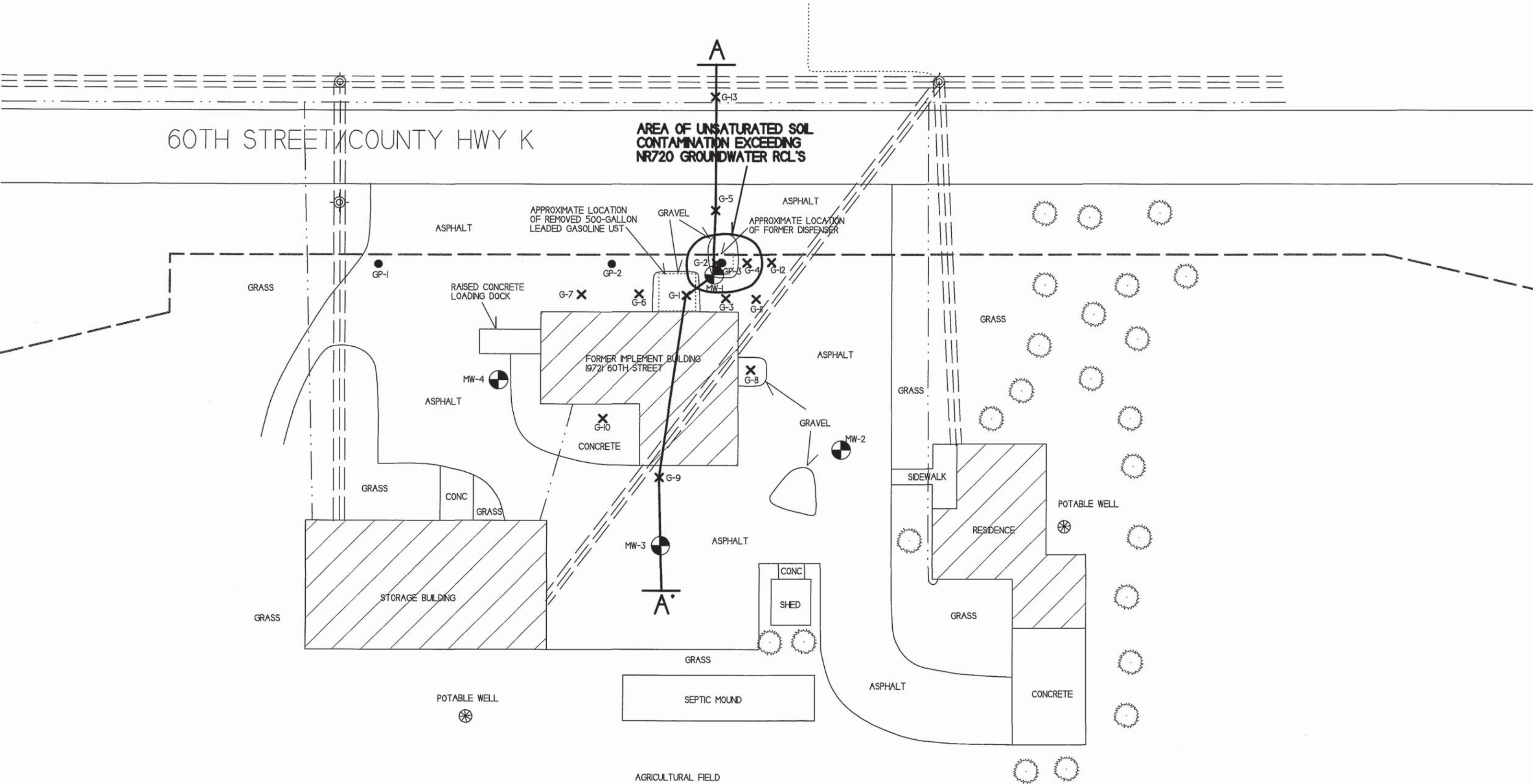
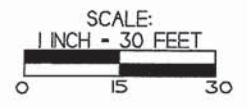
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DATE: 09/02/2015



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

- - NATURAL GAS LINE
- =====  
=====  
=====  
=====  
=====  
----- - OVERHEAD UTILITIES
- - PROPERTY BOUNDARY

- POTABLE WELL LOCATION
- P2ESA SOIL BORING LOCATION
- GEOPROBE BORING LOCATION
- POWER POLE
- MONITORING WELL LOCATION




B.3.d. GEOLOGIC CROSS-SECTION FIGURE (CLOSE-UP)  
 INTERSTATE FARM EQUIPMENT - FORMER









BRISTOL, WISCONSIN

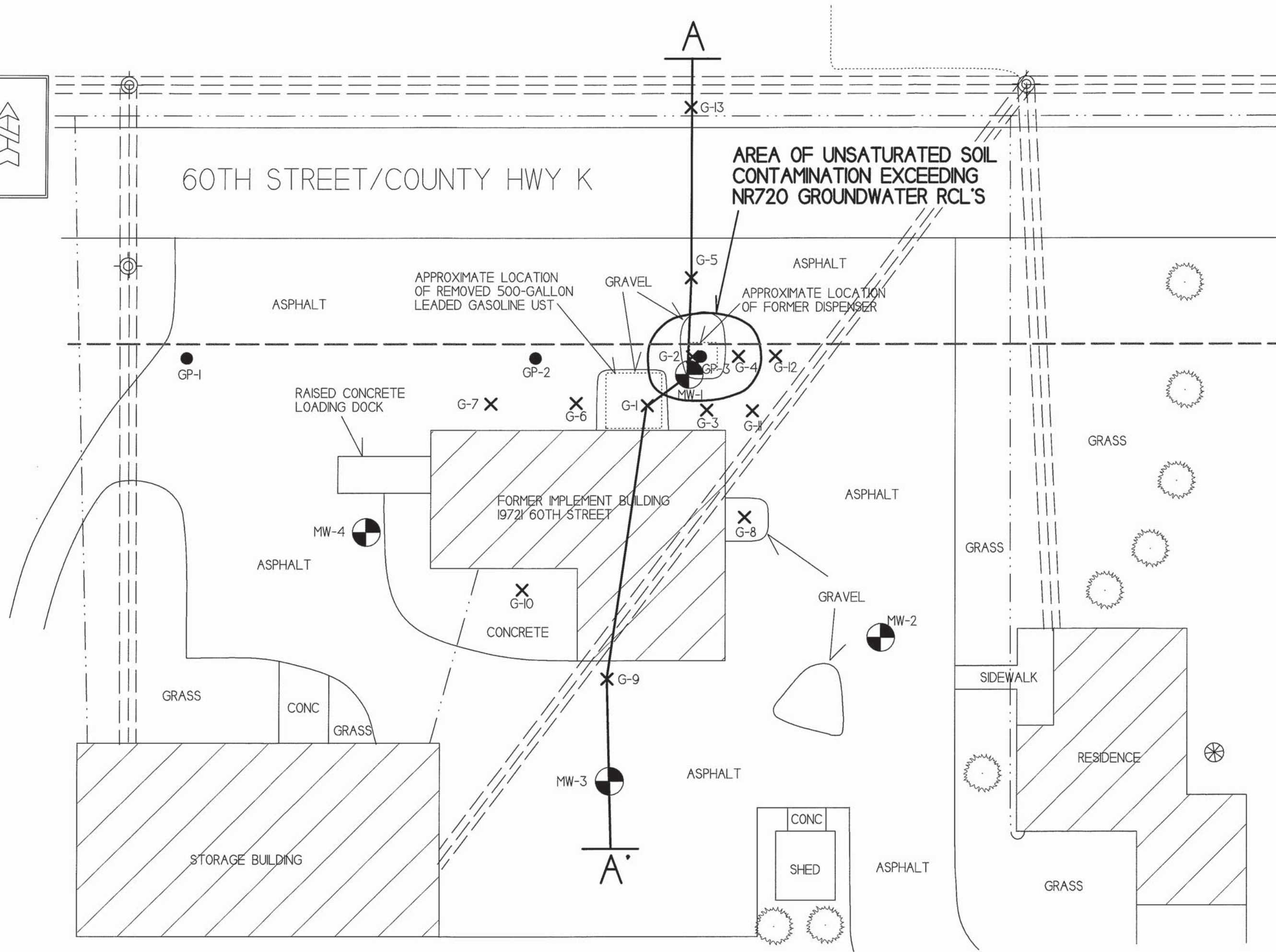
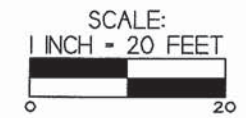
METCO  
 709 Gillette Street, Suite 3  
 La Crosse, WI 54603  
 Tel: (608) 781-8979  
 Fax: (608) 781-8993

DRAWN BY: ED  
 DATE: 09/02/2005



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

-  - POTABLE WELL LOCATION
-  - P2ESA SOIL BORING LOCATION
-  - GEOPROBE BORING LOCATION
-  - POWER POLE
-  - MONITORING WELL LOCATION
-  - NATURAL GAS LINE
-  - OVERHEAD UTILITIES
-  - PROPERTY BOUNDARY

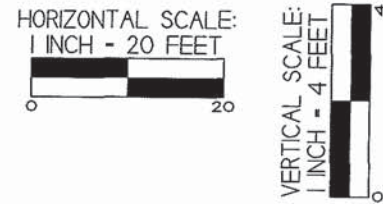


B.3.a. GEOLOGIC CROSS-SECTION FIGURE  
INTERSTATE FARM EQUIPMENT - FORMER

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Fax: (608) 781-8893

BRISTOL, WISCONSIN

DRAWN BY: BW 1/9/2017



INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER

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

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

GROUNDWATER FLOW IS TOWARD THE SOUTH (SOUTHWEST TO SOUTHEAST).

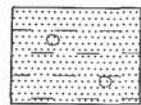
NOTE: SOIL RESULTS SHOW DETECTS AND EXCEEDANCES THAT HAVE BEEN DOCUMENTED ON THE MAP. SEE DATA TABLES AND/OR LABORATORY REPORTS FOR ALL RESULTS

NOTE: SOIL AND GROUNDWATER SAMPLE DATA IS BASED ON LABORATORY RESULTS FROM SAMPLES COLLECTED DURING THE FOLLOWING EVENTS:

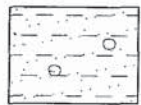
- P2ESA (11/8/2012)
- GEOPROBE PROJECT (12/7-8/2015)
- GEOPROBE/DRILLING PROJECT (6/14/2016)
- ROUND 2 GROUNDWATER SAMPLING (10/18/2016)



FILL



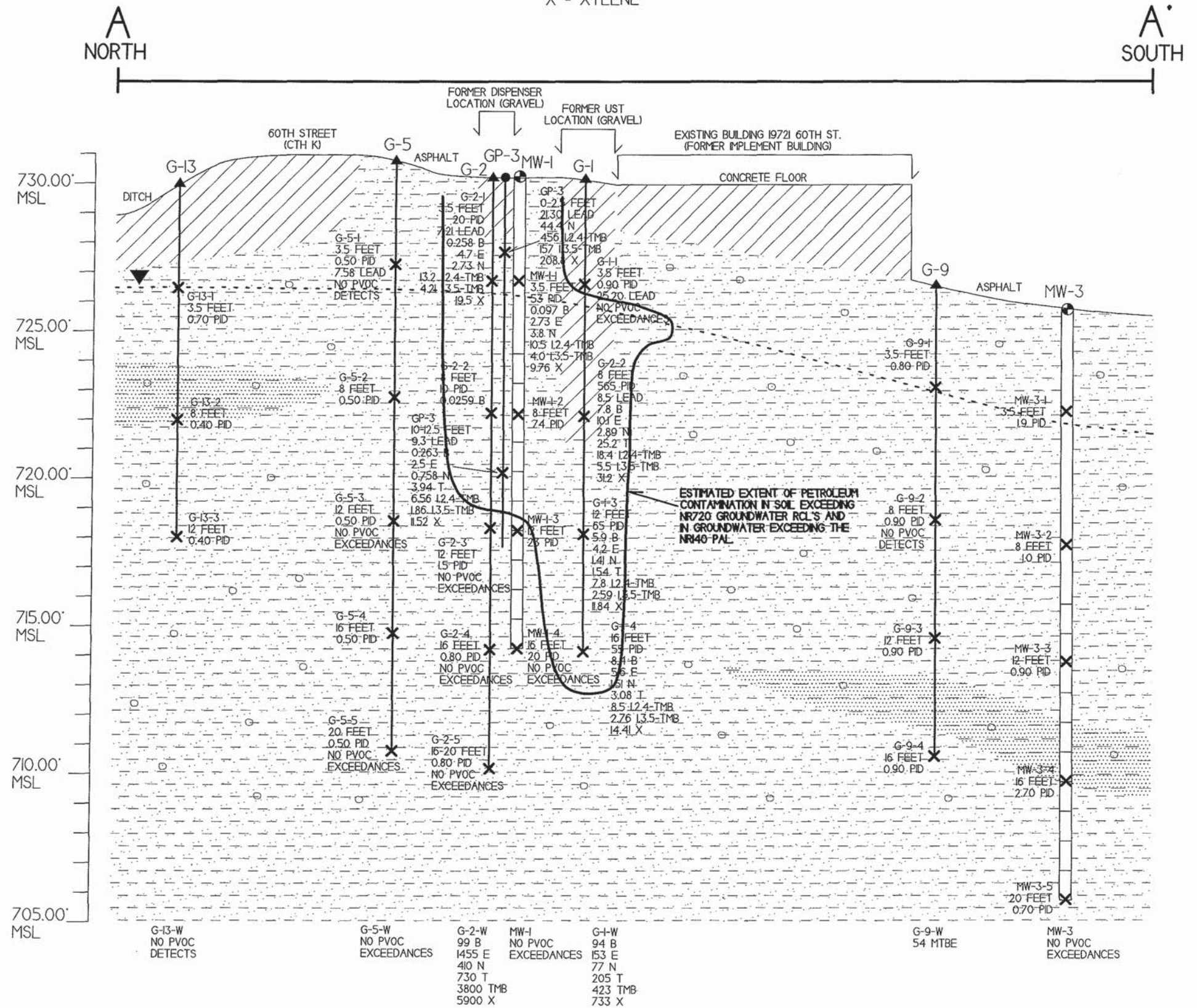
TAN TO GRAY SILTY CLAYEY SAND W/GRAVEL TO SILTY SAND



TAN TO GRAY SANDY SILT TO CLAY W/GRAVEL

- ⊙ = MONITORING WELL LOCATION
- ▲ = GEOPROBE BORING LOCATION
- = P2ESA SOIL BORING LOCATION
- ✕ = SOIL SAMPLING LOCATION
- ▼ = WATERTABLE BASED ON ALL TIME LOW MEASUREMENTS

- ND = NO DETECT
- PID = PHOTO IONIZATION DETECTOR
- PVOC = PETROLEUM VOLATILE ORGANIC COMPOUNDS
- VOC = VOLATILE ORGANIC COMPOUNDS
- B = BENZENE
- E = ETHYLBENZENE
- N = NAPHTHALENE
- T = TOLUENE
- TMB = TRIMETHYLBENZENE
- X = XYLENE



B.3.c. GROUNDWATER FLOW DIRECTION (JULY 19, 2016)

INTERSTATE FARM EQUIPMENT - FORMER

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

BRISTOL, WISCONSIN

DRAWN BY: ED 09/02/2015  
MODIFIED BY: BW 01/05/2017



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

----- - NATURAL GAS LINE

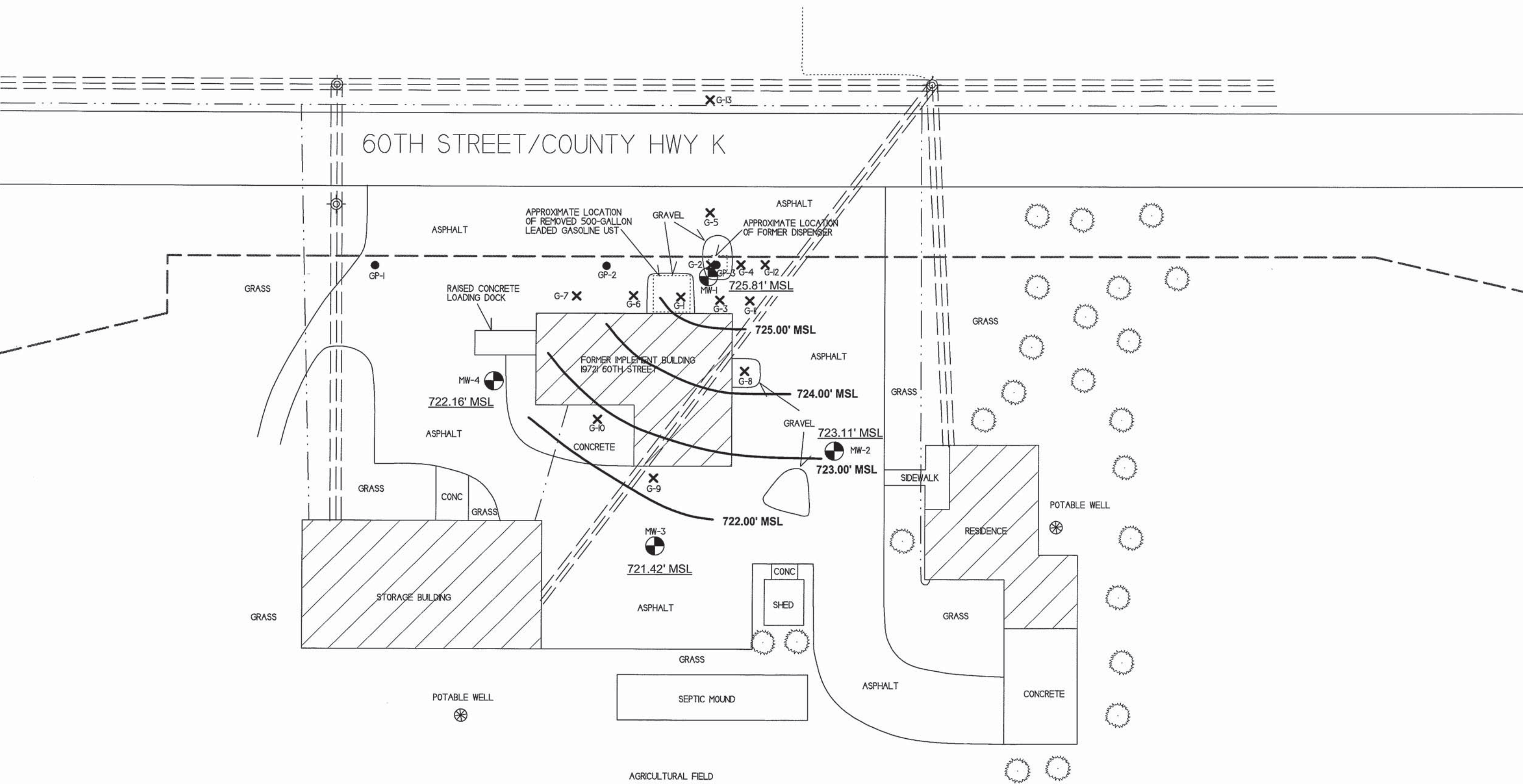
≡≡≡≡≡≡ - OVERHEAD UTILITIES

----- - PROPERTY BOUNDARY

SCALE:  
1 INCH = 30 FEET

0 15 30

- POTABLE WELL LOCATION
- P2ESA SOIL BORING LOCATION
- GEOPROBE BORING LOCATION
- POWER POLE
- MONITORING WELL LOCATION



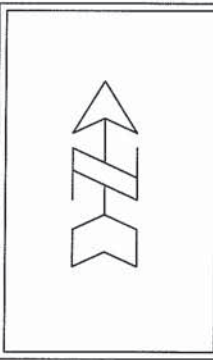
B.3.c. GROUNDWATER FLOW DIRECTION (OCTOBER 18, 2016)

INTERSTATE FARM EQUIPMENT - FORMER



BRISTOL, WISCONSIN

DRAWN BY: ED 09/02/2015  
MODIFIED BY: BW 01/05/2017

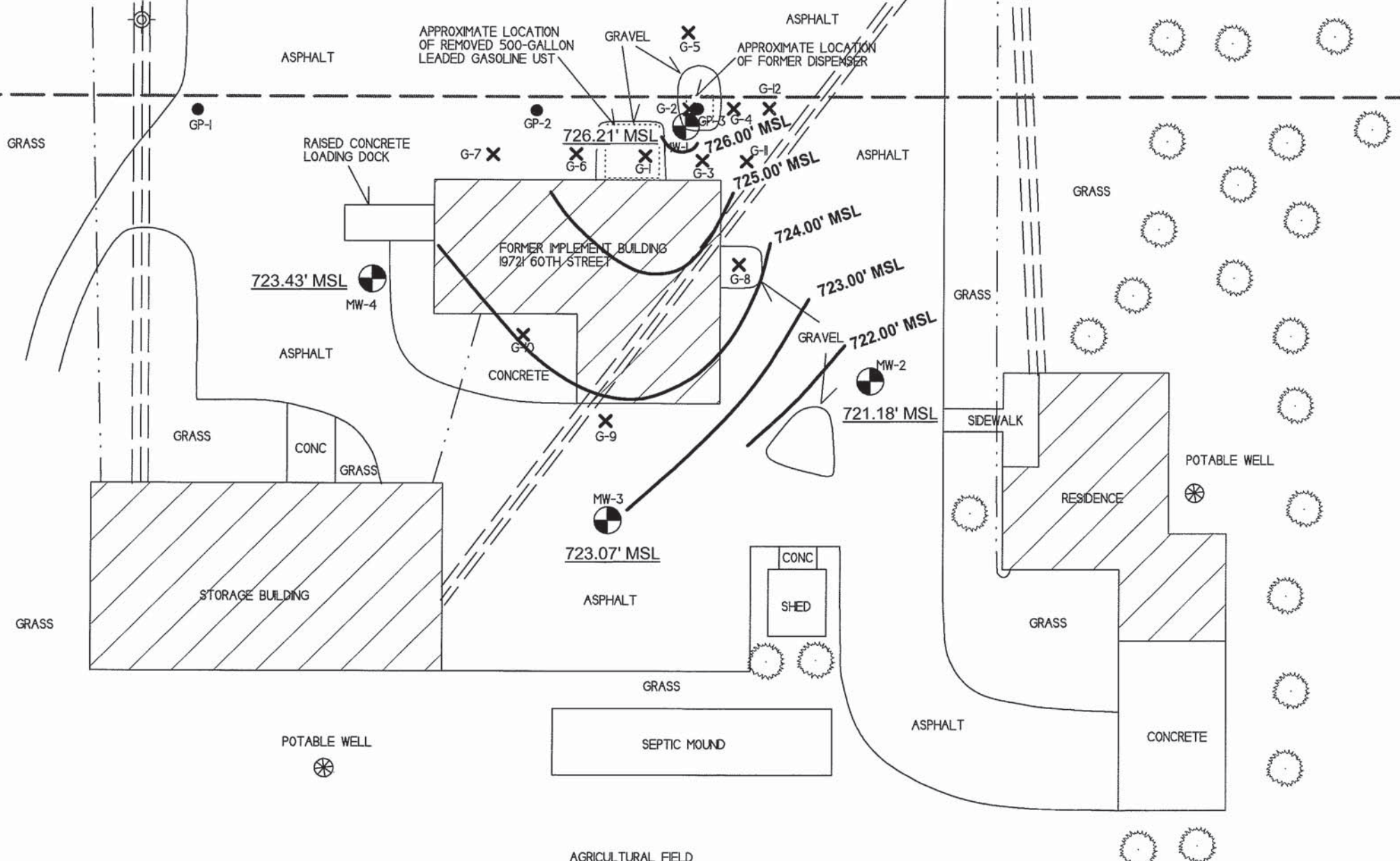


NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER

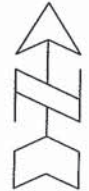

- — — — — NATURAL GAS LINE
- ≡ ≡ ≡ ≡ ≡ ≡ ≡ ≡ ≡ ≡ OVERHEAD UTILITIES
- - - - - PROPERTY BOUNDARY
- ⊗ POTABLE WELL LOCATION
- P2ESA SOIL BORING LOCATION
- ✕ GEOPROBE BORING LOCATION
- ⊙ POWER POLE
- ⊗ MONITORING WELL LOCATION



60TH STREET/COUNTY HWY K



AGRICULTURAL FIELD

<p>B.3.d. MONITORING WELLS INTERSTATE FARM EQUIPMENT - FORMER</p>		
 <p>709 Gillette Street, Suite 3 La Crosse, WI 54603 Tel: (608) 781-8879 Fax: (608) 781-8893</p>	<p>BRISTOL, WISCONSIN</p> <p>DRAWN BY: ED DATE: 09/02/2015</p>	

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

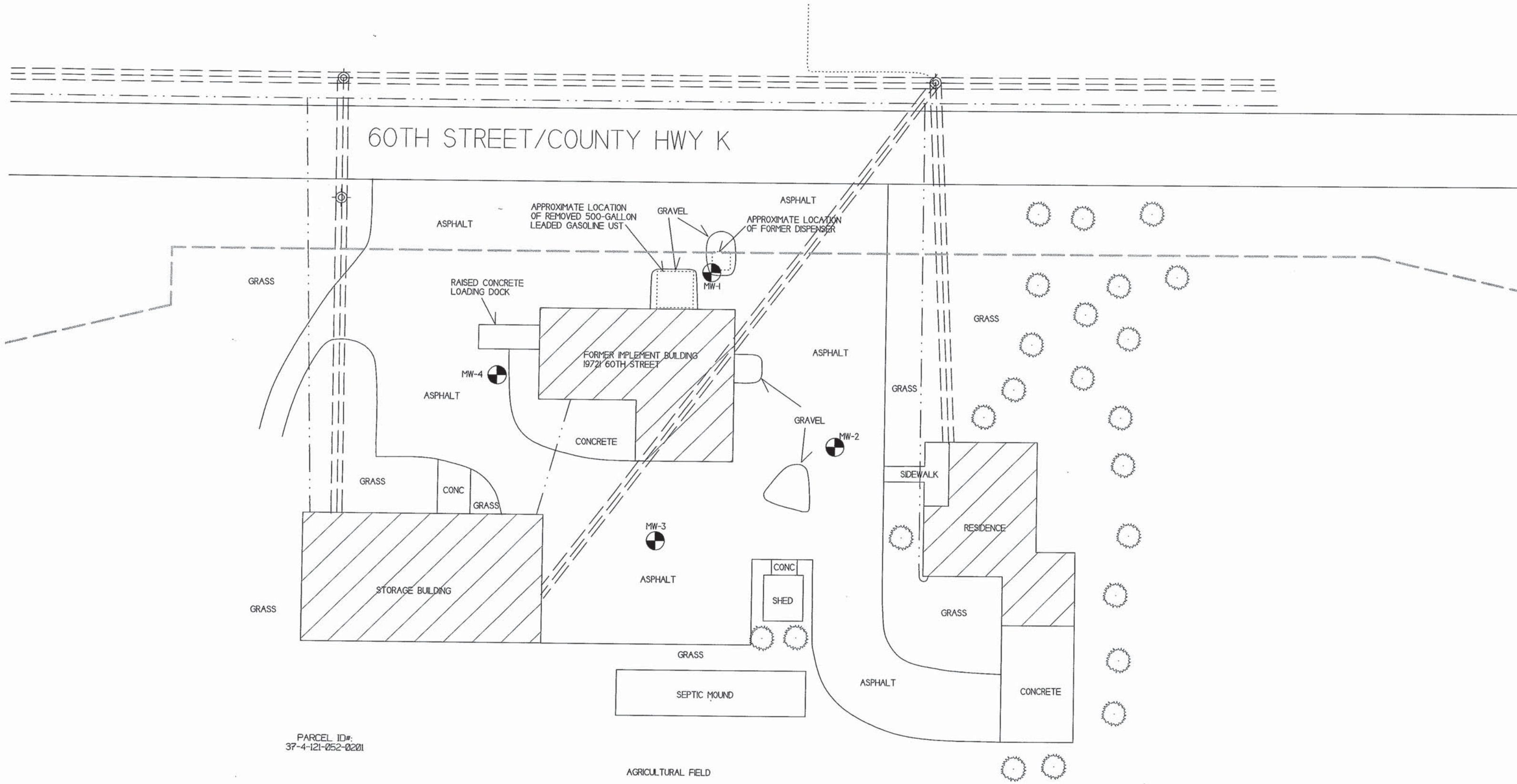
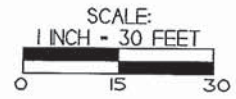
 = MONITORING WELL LOCATION - PROPOSED TO BE ABANDONED

 - NATURAL GAS LINE

 = POWER POLE

 - OVERHEAD UTILITIES

 - PROPERTY BOUNDARY



PARCEL ID#: 37-4-121-052-0201

AGRICULTURAL FIELD

## Attachment C/Documentation of Remedial Action

C.1 Site Investigation documentation – All site investigation documents submitted for this site can be found in:

- Site Investigation Report (February 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.gov/topic/brownfields/Professionals.html> - Residual Contaminant Levels (RCLs) were established in accordance with NR720.10 and NR720.12. Soil RCLs for the protection of the groundwater pathway and for non-industrial direct contact were taken from the RR programs RCL spreadsheet.

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

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

C.6 Other – Not applicable

# C.2. Investigative Waste

**DKS Transport  
Services, LLC**

N7349 548th Street  
Menomonie, WI 54751

715-556-2604

**INVOICE**

8/3

2016

CUSTOMER

JOB NAME

Judy Langacher 90 Matsen  
709 Gillette St  
Wausau WI 54603

Inkstate Farm E. Ct  
Bristol WI

CASH    CHECK # \_\_\_\_\_    IN-HOUSE ACCOUNT

QUANTITY		DESCRIPTION	QTY.	UNIT PRICE		AMOUNT	
DATE	SHIPPED						
	1	Mobilizer	1	287	70	287	70
	7	New soil drums to Advanced Disposal - Eau Claire WI	7	108	15	757	05
Thank You							
M. K. [Signature]							
						TOTAL	1044 75

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

SIGNATURE \_\_\_\_\_

170

Inw. Waste Disposal  
Reviewed 8/3/16  
OK  
[Signature]



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

D.1 Descriptions of maintenance action(s) required for maximizing effectiveness of the engineered control, vapor mitigation system, feature or other action for which maintenance is required – Not Applicable

D.2 Location map(s) which show(s) – Not Applicable

D.3 Photographs – Not Applicable

D.4 Inspection log – Not Applicable

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

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

## **Attachment F/Source Legal Documents**

**F.1 Deed**

**F.2 Certified Survey Map**

**F.3 Verification of Zoning**

**F.4 Signed Statement**

F.I. Deed

COPY

STATE BAR OF WISCONSIN FORM 3 - 2000

QUIT CLAIM DEED

Document Number



DOCUMENT

1553931

RECORDED  
At Kenosha County, Kenosha, WI 53140  
Louise I. Principe, Register of Deeds  
on 4/16/2008 at 9:45AM  
\$11.00  
80014388

JENF

RECEIVED

This Deed, made between ROBERT F. LENGACHER and JUDITH M. LENGACHER, husband and wife

Grantor, and THE ROBERT F. LENGACHER AND JUDITH M. LENGACHER REVOCABLE TRUST, dated April 11<sup>th</sup>, 2008

Grantee.  
Grantor quit claims to Grantee the following described real estate in Kenosha County, State of Wisconsin (if more space is needed, please attach addendum):

Part of the Northwest Quarter of Section 5, Town 1 North, Range 21 East of the 4th Principal Meridian, lying and being in the Town of Bristol, Kenosha County, Wisconsin, and being more particularly described as: Commencing at the Northwest corner of said Quarter Section; thence North 89 degrees 55 minutes 50 seconds East along and upon the North line of said Quarter Section 31.68 feet and to an angle point in said north line; thence east along and upon the North line of said Quarter Section 58.78 feet and to the point of beginning of the parcel to be herein described; thence continue East along and upon the North line of said Quarter Section 688.28 feet; thence South 305.00 feet; thence West 627.84 feet and to the easterly right-of-way line of U.S. Highway 45; thence Northerly 343.58 feet along and upon the arc of a circular curve concave to the east, said curve having a central angle of 6 degrees 58 minutes 51 seconds a radius of 2819.93 feet long and chord which bears North 10 degrees 08 minutes 18 seconds West a distance of 343.36 feet and to the point of beginning.

Recording Area

Name and Return Address  
Attorney Thomas P. Aiello  
Madrigano, Aiello & Santarelli, LLC  
1108 - 56th Street  
Kenosha, WI 53140

For informational purposes: address: 19805 - 60th Street.

THIS CONVEYANCE IS EXEMPT UNDER EXEMPTION NO. 16.

35-4-121-052-0210

Parcel Identification Number (PIN)

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

FEE EXEMPT

Together with all appurtenant rights, title and interests.

Dated this 11<sup>th</sup> day of April, 2008

Judith M. Lengacher  
\* Judith Lengacher

Robert F. Lengacher  
\* Robert Lengacher

AUTHENTICATION

Signature(s)

authenticated this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_

\*

TITLE: MEMBER STATE BAR OF WISCONSIN

(If not, \_\_\_\_\_  
authorized by § 706.06, Wis. Stats.)

THIS INSTRUMENT WAS DRAFTED BY

Thomas P. Aiello  
Attorney at Law

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

ACKNOWLEDGMENT

STATE OF WISCONSIN )  
 ) ss.  
KENOSHA County )

Personally came before me this \_\_\_\_\_ day of  
April, 2008 the above named  
Judith Lengacher and Robert Lengacher

to me known to be the person(s) who executed the foregoing  
instrument and acknowledged the same.

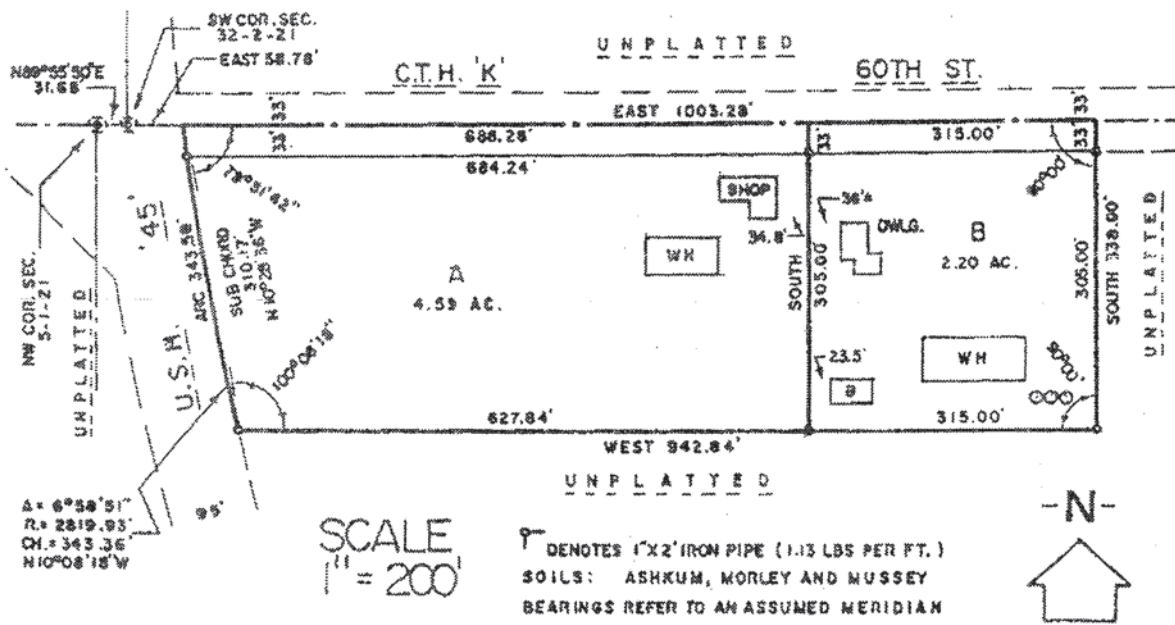
\* Thomas P. Aiello  
Notary Public, State of WISCONSIN  
My Commission is permanent. (If not, state expiration date: \_\_\_\_\_)

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

# F.2. Certified Survey Map

644569

VOL 1033 PAGE 927



I, WILLIAM A. MARESCALCO, SURVEYOR, hereby certify that I have prepared this "Certified Survey Map", the exterior boundaries of which are described as: Part of the Northwest Quarter of Section 5, Town 1 North, Range 21 East of the 4th Principal Meridian, lying and being in the Town of Bristol, Kenosha County, Wisconsin, and being more particularly described as: Commencing at the northwest corner of said 1/4 section; thence N 89°55'50"E along the north line of said 1/4 section 31.68 feet to the southwest corner of section 32-2-21; thence East along the north line of the northwest quarter of section 5 58.78 feet to the point of beginning of the property to be herein described; thence East along the north line of said 1/4 section 1003.28 feet; thence South 338.00 feet; thence West 942.84 feet to the easterly right-of-way line of U.S. Highway "45"; thence northerly 343.58 feet along said right-of-way line, which is the arc of a circular curve concave to the east, said curve having

# F.3. Verification of Zoning

Map Scale:  
1" = 338.34 ft



A-3 = Agriculture, Manufacturing, Marketing, and Warehousing

**F.4. Signed Statement**

WDNR BRRTS Case #: 03-30-560331

WDNR Site Name: Interstate Farm Equipment Former

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

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

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

Responsible Party:

Judith Lengacher  
(print name/title)

Judith Lengacher      1/17/17  
(signature)                      (date)

## **Attachment G/Notifications to Owners of Affected Properties**

**The extent of petroleum contamination in the soil exists in the right of way of 60<sup>th</sup> Street and County Highway K. The Kenosha County Highway Department has been notified of the contamination within this Right-of-Way.**

G.1 Deed – No deeded properties have been impacted.

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

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

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



AFFECTED  
A  
PROPERTY

RIGHT-OF-WAY

**Notification of Continuing Obligations  
and Residual Contamination**

Form 4400-286 (9/15)

C. I. Page

**The affected property is:**

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

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

**Contact Information**

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

Responsible Party Name Judy Lengacher

Contact Person Last Name Lengacher	First Judy	MI	Phone Number (include area code) (262) 857-7114	
Address 19721 60th Street	City Bristol	State WI	ZIP Code 53104	
E-mail				

**Name of Party Receiving Notification:**

Business Name, if applicable:

Title	Last Name Kenosha County Highway Dept.	First Attn: Gary Sipsma	MI	Phone Number (include area code) (262) 857-1870	
Address 19600 75th Street, Suite 122-1	City Bristol	State WI	ZIP Code 53104-9722		

**Site Name and Source Property Information:**

Site (Activity) Name Interstate Farm Equipment (Former)

Address 19721 60th Street	City Bristol	State WI	ZIP Code 53104	
DNR ID # (BRRTS#) 03-30-560331	(DATCP) ID #			

**Contacts for Questions:**

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

**Environmental Consultant:** METCO

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

**Department Contact:**

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

Department of: Natural Resources (DNR)

Address 1155 Pilgrim Parkway	City Plymouth	State WI	ZIP Code 53073	
Contact Person Last Name Delcore	First Lee	MI	Phone Number (include area code) (920) 893-8524	
E-mail (Firstname.Lastname@wisconsin.gov) <u>Lee.Delcore@wisconsin.gov</u>				

AFFECTED  
A  
PROPERTY

RIGHT-OF-WAY

**Notification of Continuing Obligations  
and Residual Contamination**

Form 4400-286 (9/15)

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

**KEEP THIS DOCUMENT WITH YOUR PROPERTY RECORDS**

19600 75th Street, Suite 122-1  
Bristol, WI, 53104-9722

Dear Kenosha County Highway Dept.:

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

Petroleum

on 19721 60th Street, Bristol, WI, 53104 that has shown that contamination

has migrated into the right-of-way for which county of Kenosha is responsible.

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

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

The DNR will not review my closure request for at least 30 days after the date of this letter. As an affected right-of-way holder, you have a right to contact the DNR to provide any technical information that you may have that indicates that closure should not be granted for this site. If you would like to submit any information to the DNR that is relevant to this closure request, you should mail that information to the DNR contact: 1155 Pilgrim Parkway, Plymouth, WI, 53073, or at Lee.Delcore@wisconsin.gov.

**Residual Contamination:**

***Soil Contamination:***

Soil contamination remains at:

the source property (19721 60th Street), and has migrated towards the north. The contamination exists from approximately 2 to 16 feet below ground surface.

The remaining contaminants include :

Benzene, Ethylbenzene, Naphthalene, Toluene, Trimethylbenzenes, Xylene, and Arsenic.

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

No remedial activities occurred as part of the site investigation.

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

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

AFFECTED  
A  
PROPERTY

RIGHT-OF-WAY

**Notification of Continuing Obligations  
and Residual Contamination**

Form 4400-286 (9/15)

Page 2 of -4

**Residual Soil Contamination:**

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

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

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

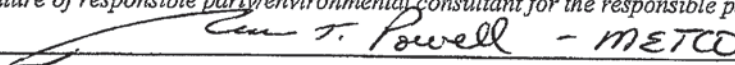
Depending on site-specific conditions, construction over contaminated soils or groundwater may result in vapor migration of contaminants into enclosed structures or migration along newly placed underground utility lines. The potential for vapor inhalation and means of mitigation should be evaluated when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

**GIS Registry and Well Construction Requirements:**

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

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

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

<i>Signature of responsible party/environmental consultant for the responsible party</i>  - METCO	Date Signed 1-25-17
---	------------------------

**Attachments**  
Contact Information  
Legal Description for each Parcel:

AFFECTED  
A  
PROPERTY

RIGHT-OF-WAY

**SENDER: COMPLETE THIS SECTION**

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

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature  Agent  
*Denise Krahn*  Address

B. Received by (Printed Name)  Yes  
*Denise Krahn*  No

C. Date of Delivery *1/30/11*

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

Kenosha County Highway Department  
Gary Sipsma  
19600 75th Street, Suite 122-1  
Bristol, WI 53104-9722



9590 9403 0958 5223 6565 65

Article Number (Transfer from service label)

7015 1660 0000 4343 4187

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



July 24, 2017

AFFECTED  
A  
PROPERTY

RIGHT-OF-WAY

Mr. Gary Sipsma  
Kenosha County Highway Department  
19600 75th Street, Suite 122-1  
Bristol, WI 53104

SUBJECT: Notice of Closure Approval with Continuing Obligations for Rights-of-Way Holders  
for 60th Street (aka County Highway K)  
Final Case Closure for Interstate Farm Equipment Former 19721 60<sup>th</sup> St., Bristol, WI  
FID#: 230206570 DNR BRRTS Activity #: 03-30-560331

Dear Mr. Sipsma:

The Department of Natural Resources (DNR) recently approved the completion of environmental work done at the Interstate Farm Equipment Former site. This letter describes how that approval applies to the right-of-way (ROW) at 60<sup>th</sup> Street (aka County Highway K). As the right-of-way holder, you are responsible for complying with these continuing obligations for any work you conduct in the right-of-way.

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

On January 30, 2017, you received information from METCO about the petroleum contamination in the ROW from Interstate Farm Equipment Former, located at 19721 60<sup>th</sup> St., Bristol, and about the continuing obligations. Continuing obligations are meant to limit exposure to any remaining contamination.

#### Applicable Continuing Obligations

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

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

Soil contamination remains in the area of the former petroleum dispenser as indicated on the Figure B.2.b Soil Contamination, dated September 2, 2015. If soil in the specific locations described above is excavated in the future, the property owner at the time of excavation must sample and analyze the excavated soil to determine if contamination remains. If sampling confirms that contamination is present, the property owner at the time of excavation will need to determine whether the material is considered solid or hazardous waste and ensure that any storage, treatment or disposal is in compliance with applicable standards and rules. Contaminated soil may be managed in accordance with ch. NR 718, Wis. Adm. Code, with prior DNR approval. This continuing obligation also applies to the ROW holders for 60<sup>th</sup> Street (aka County Highway K).

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

Department of Natural Resources  
Attn: Remediation and Redevelopment Program Environmental Program Associate  
WDNR Southeast Region  
2300 North Martin Luther King Jr. Dr.  
Milwaukee, WI 53212

AFFECTED  
A  
PROPERTY

RIGHT-OF-WAY

Additional Information

Additional information about this case is available at the DNR's Bureau for Remediation and Redevelopment Tracking System (BRRTS) on the Web at <http://dnr.wi.gov/botw/SetUpBasicSearchForm.do>. Enter 03-30-560331 in the **Activity Number** field in the initial screen, then click on **Search**. Scroll down and click on the **GIS Registry Packet** link for information about the completion of the environmental work. The site may also be seen on the map view, RR Sites Map. RR Sites Map can be found at <http://dnr.wi.gov/topic/Brownfields/clean.html>.

Please contact Lee Delcore, the DNR Project Manager, at 920-893-8524 or [lee.delcore@wisconsin.gov](mailto:lee.delcore@wisconsin.gov) with any questions or concerns.

Sincerely,



Michele R. Norman  
Southeast Region Team Supervisor  
Remediation & Redevelopment Program

Attachments:

- Figure B.2.b Soil Contamination, dated September 2, 2015

cc: Ms. Judy Lengacher, 19721 60th St., Bristol, WI 53104-9746  
Jason Powell, METCO, 709 Gillette Street, Suite 3, La Crosse, WI 54603

B.2.b. RESIDUAL  
SOIL CONTAMINATION  
INTERSTATE FARM  
EQUIPMENT - FORMER



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

BRISTOL,  
WISCONSIN

DRAWN BY: ED  
DATE: 09/02/2015



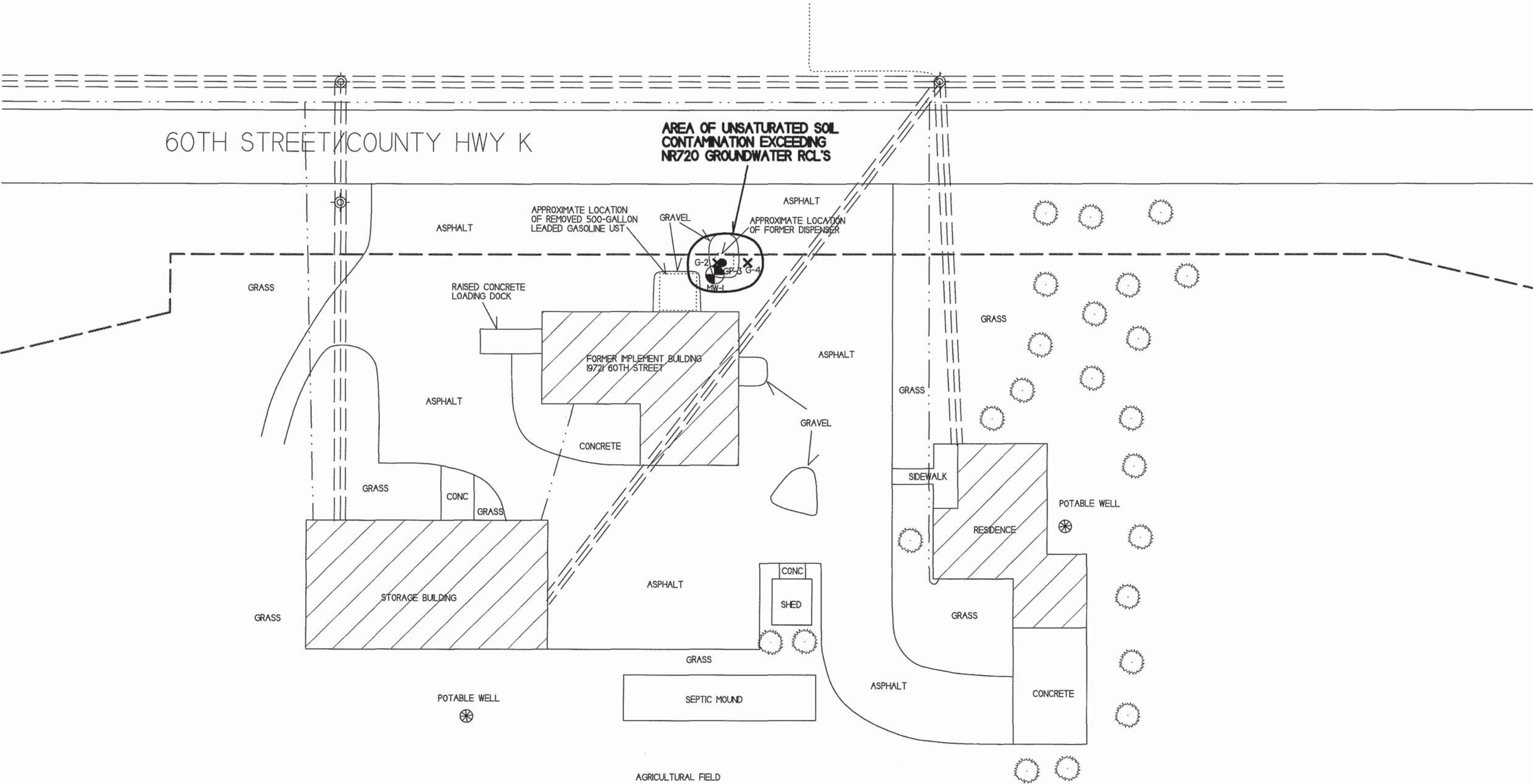
NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER

- - NATURAL GAS LINE
- ==== - OVERHEAD UTILITIES
- - PROPERTY BOUNDARY

- - P2ESA SOIL BORING LOCATION
- ✕ - GEOPROBE BORING LOCATION
- ⊙ - POWER POLE
- ⊗ - MONITORING WELL LOCATION

AFFECTED  
A  
PROPERTY

RIGHT-OF-WAY



AGRICULTURAL FIELD