State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
2984 Shawano Avenue
Green Bay WI 54313-6727

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

November 27, 2018

Mr. Kevin Kaminski
1553 Emerald Court
Green Bay, WI 54311

KEEP THIS DOCUMENT WITH YOUR PROPERTY RECORDS

SUBJECT: Final Case Closure with Continuing Obligations
Leo Tucker Auto Salvage (Former), N6817 Left Foot Lake Road, Crivitz, WI
DNR BRRTS Activity #: 02-38-169979
FID #: 438109540

Dear Mr.Kaminski:

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

This final closure decision is based on the correspondence and data provided and is issued under chs. NR 726 and 727, Wis. Adm. Code. The Northeast Region (NER) Closure Committee reviewed the request for closure on October 4, 2018. The DNR Closure Committee reviewed this environmental remediation case for compliance with state laws and standards to maintain consistency in the closure of these cases.

The property is a former salvage yard. The Environmental Protection Agency conducted a clean-up of surface soils in 2001. Additional sampling of soil and groundwater was conducted in 2012 and 2017 to delineate potential residual contamination. The conditions of closure and continuing obligations required were based on the property being used for commercial or 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 online at dnr.wi.gov and search "RR-819".

DNR Database

This site will be included on the Bureau for Remediation and Redevelopment Tracking System (BRRTS) on the Web (BOTW) online at dnr.wi.gov and search "BOTW", to provide public notice of residual contamination and of any continuing obligations. The site can also be viewed on the Remediation and Redevelopment Sites Map (RRSM), a map view, at dnr.wi.gov and search "RRSM".

The DNR's approval prior to well construction or reconstruction is required in accordance with 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 dnr.wi.gov and search "3300-254".

All site information is also on file at the Northeast Regional DNR office, at 2984 Shawano Avenue, Green Bay, WI 54313. This letter and information that was submitted with your closure request application, including any maps, can be found as a Portable Document Format (PDF) in BOTW.

Closure Conditions

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

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

Department of Natural Resources
Attn: Remediation and Redevelopment Program Environmental Program Associate
2984 Shawano Avenue
Green Bay, WI 54313

Residual Soil Contamination (ch. NR 718, chs. 500 to 536, Wis. Adm. Code or ch. 289, Wis. Stats.)
Soil contamination remains in the central portion of the site as indicated on the attached map Figure B.2.b – Residual Soil Contamination, July 12, 2018. If soil in the specific locations described above is excavated in the future, the property owner or right-of-way holder at the time of excavation must sample and analyze the excavated soil to determine if contamination remains. If sampling confirms that contamination is present, the property owner or right-of-way holder at the time of excavation will need to determine whether the material is considered solid or hazardous waste and ensure that any storage, treatment or disposal is in compliance with applicable standards and rules. Contaminated soil may be managed in accordance with ch. NR 718, Wis. Adm. Code, with prior DNR approval.

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

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 Dave Neste at (920) 424-0399, or at david.neste@wisconsin.gov.

Sincerely,

Roxanne N. Chronert
Northeast Region Team Supervisor
Remediation & Redevelopment Program

Attachments:
Figure B.2.b – Residual Soil Contamination, July 12, 2018

cc: Evan Weber, Stantec Consultants (via email: Evan.Weber@stantec.com)

N

SCALE IN FEET

50 0 50 100

LEGEND

APPROXIMATE PROPERTY LINE

ESTIMATED EXTENT OF SOIL CONTAMINATION EXCEEDING NR 720 GROUNDWATER PATHWAY RCL

3_SB1 SOIL BORING LOCATION

SB23 HAND AUGER SOIL BORING LOCATION ON 10/25/17

Stantec

1165 Scheuring Road, De Pere, Wisconsin 54115
Phone: 920-592-8400 Fax: 920-592-8444

RESIDUAL SOIL CONTAMINATION

FORMER LEO TUCKER PROPERTY
N6817 LEFT FOOT ROAD
CRIVITZ, WISCONSIN

DATE: 07/12/18	DRAWN BY: JRB	PROJECT MANAGER: LPC	PROJECT NUMBER: 193705745	FIGURE B.2.b

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

SUBMIT AS UNBOUND PACKAGE IN THE ORDER SHOWN

Notice: Pursuant to ch. 292, Wis. Stats., and chs. NR 726 and 746, Wis. Adm. Code, this form is required to be completed for case closure requests. The closure of a case means that the Department of Natural Resources (DNR) has determined that no further response is required at that time based on the information that has been submitted to the DNR. All sections of this form must be completed unless otherwise directed by the Department. DNR will consider your request administratively complete when the form and all sections are completed, all attachments are included, and the applicable fees required under ch. NR 749, Wis. Adm. Code, are included, and sent to the proper destinations. Personal information collected will be used for administrative purposes and may be provided to requesters to the extent required by Wisconsin's Open Records Law (ss. 19.31 - 19.39, Wis. Stats.). Incomplete forms will be considered "administratively incomplete" and processing of the request will stop until required information is provided.

Site Information

BRRTS No.	VPLE No.
02-38-169979	

Parcel ID No.
032-02961.000

FID No.	WTM Coordinates X	WTM Coordinates Y
438109540	675721	527871

BRRTS Activity (Site) Name	WTM Coordinates Represent:
Leo Tucker Auto Salvage (Former)	☐ Source Area ☒ Parcel Center

Site Address	City	State	ZIP Code
N6817 Left Foot Lake Road	Crivitz	WI	54114

Acres Ready For Use
5

Responsible Party (RP) Name
Contact: Kevin Kaminski

Company Name
N/A

Mailing Address	City	State	ZIP Code
1553 Emerald Court	Green Bay	WI	54311

Phone Number	Email
(920) 265-6808	hl4375370@sbcglobal.net

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

Environmental Consultant Name
Lynelle P. Caine

Consulting Firm
Stantec Consulting Services Inc.

Mailing Address	City	State	ZIP Code
1165 Scheuring Road	De Pere	WI	54115

Phone Number	Email
(920) 655-7211	lynelle.caine@stantec.com

Fees and Mailing of Closure Request

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

   ☒ $1,050 Closure Fee

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

   ☒ $300 Database Fee for Soil

   Total Amount of Payment $ $1,350.00

   ☐ Resubmittal, Fees Previously Paid

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

Site Summary

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

1. General Site Information and Site History

A. Site Location: Describe the physical location of the site, both generally and specific to its immediate surroundings.
The Site is situated in a rural setting along the western side of Left Foot Lake Road in the Town of Stephenson, approximately 1.5 miles southwest of the Village of Crivitz, Wisconsin. Surrounding adjacent parcels consist primarily of rural forested lands with residential homes situated to the north and east of the Site.

B. Prior and current site usage: Specifically describe the current and historic occupancy and types of use.
The Property is currently vacant and has been historically used as a salvage business, storing scrap metal and used vehicles, from as early as 1979 through at least 2001. Salvage operations included gathering and dismantling fuel oil tanks, automobiles, mobile homes and appliances. Scrap materials such as abandoned vehicles, tires, gas tanks, stripped auto parts, appliances, bare metal, coated wire, rebar, fuel oil tanks, compressed gas cylinders and railroad ties were stored at the Property. There was also a residence at site.

C. Current zoning (e.g., industrial, commercial, residential) for the site and for neighboring properties, and how verified (Provide documentation in Attachment G).
No zoning codes are associated with properties in the Town of Stephenson according to the town code enforcer Gerald Ronowski.

D. Describe how and when site contamination was discovered.
In 1997, the WDNR sent Mr. Tucker a responsible party letter and required that he investigate possible contamination on the Property. The WDNR initiated and paid for a limited subsurface soil investigation in 2000. Concentrations of petroleum compounds and/or Resource Conservation and Recovery Act (RCRA) metals were found in all soil samples. Surface ash and paint waste samples contained concentrations of RCRA metals and/or volatile organic compounds (VOCs). Groundwater sampling results indicated that petroleum compounds were impacting groundwater. In 2001, the EPA retained Roy F. Weston, Inc., a Superfund Technical Assessment and Response Team contractor, to conduct additional site assessment activities. The activities by Weston documented concentrations of petroleum compounds, RCRA metals, polychlorinated biphenyls (PCBs) and pesticides in the soil and/or groundwater..

E. Describe the type(s) and source(s) or suspected source(s) of contamination.
Soil and groundwater contamination on the site consists primarily of petroleum VOCs and RCRA metals. VOCs, PCBs, and pesticides were also detected. The likely source of contamination is from the historic salvage operations at the Site.

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.
Leo Tucker Auto Salvage (Former), BRRTS #02-38-169979

H. List BRRTS activity/site name(s) and number(s) for all properties immediately adjacent to (abutting) this source property.
No BRRTS activities are associated with immediate 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.
Soils on the Property generally consist of approximately 4-8 inches of topsoil or silty sand underlain by fine-grained, poorly graded sands.

ii. Describe the composition, location and lateral extent, and depth of fill or waste deposits on the site.
Solid waste consisting of metal, wood, ceramic, and plastic were situated in small piles on the Property in various locations during the site investigation. Multiple small piles remain scattered on the Property.

iii. Describe the depth to bedrock, bedrock type, competency and whether or not it was encountered during the investigation.
Bedrock in the approximate location of the Property likely consists of Cambrian sandstone with dolomite and shale. However, the property lies near the boundary of eastern Wisconsin sedimentary sequences and meta-volcanic and meta-sedimentary rocks of Wisconsin's northern uplands. Bedrock was not encountered during the investigation.

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).
Impermeable surfaces are minimal across the Property. The remnants of a small abandoned building is present on a central portion of the Parcel near Left Foot Lake Road. The remaining portions of the Site consist of grassy and forested

vegetated areas.

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.

The depth to groundwater in the four monitoring wells installed on the Property ranged from 10.71 to 13.05 feet below grade (fbg) in stabilized conditions measured prior to groundwater sample collection on November 8, 2012. The variation in the water table elevations was small with a drop in elevation of only 0.81 feet between the western most well (MW-1) and the easternmost well (MW-4). No free Product was noted at the Site.

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

Depth to groundwater measurements were very consistent across the Property with a very slight flow gradient observed to from west to east.

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

Soils within the stratigraphic unit where the water table was observed consisted of native sands. A medium to high hydraulic conductivity is typical of this soil type.

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).

According to the WDNR's online well driller viewing database, three potable wells lie within 1,200 feet of the property boundaries. The wells vary in depth from 43-122 fbg. Two wells were constructed in unconsolidated materials consisting of primarily sand with lesser amounts of clay. The well installed to the southeast was installed in 15 feet of sand followed by 107 feet of sandstone. Copies of the well drilling reports for the three wells is included in Attachment B.4.C - Other. One water supply well is also present on the Property.

3. Site Investigation Summary

A. General

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

In 1997, the WDNR sent Mr. Tucker a responsible party letter and required that he investigate possible contamination on the Property. The WDNR initiated and paid for a limited subsurface soil investigation in 2000 (Northern Environmental Technologies, Inc. [now Stantec], 2000). Concentrations of petroleum compounds and/or Resource Conservation and Recovery Act (RCRA) metals were found in all soil samples. Surface ash and paint waste samples contained concentrations of RCRA metals and/or volatile organic compounds (VOCs). Groundwater samples were also collected from temporary groundwater wells installed in ten of the borings. Groundwater samples contained methyl-tert-butyl-ether (MTBE) above the NR140 PAL. In 2001, the EPA retained Roy F. Weston, Inc., a Superfund Technical Assessment and Response Team contractor, to conduct additional site assessment activities. The activities by Weston documented concentrations of petroleum compounds, RCRA metals, polychlorinated biphenyls (PCBs) and pesticides in the soil on-site and/or in groundwater collected from one on-site and two off-site residential wells. (Roy F. Weston, 2001). Based on the results, the EPA determined a need for a removal action to protect human health and the environment.

During October 8 through November 2, 2001, approximately 3,400 tons of contaminated soil was removed from the Property and disposed of as a special waste at the Superior Hickory Hills Landfill of Hilbert, Wisconsin. The excavation areas were backfilled with clean clay, sand and gravel. After the soil removal, the EPA advised the WDNR that "further contamination of soil and groundwater resources would most likely occur at the Tucker property" as abandoned vehicles remained at the Site from which liquids reportedly were still draining at the time of the EPA removal action (WDNR, 2001). The Roy F. Weston removal report (2002) also recommended that the EPA continue to monitor the residential on-site private well and in nearby residences for an extended period of time and consider a plan to conduct groundwater monitoring related to the Site for an extended period. The extent of off-site contamination was not documented. There is no documentation that any monitoring or investigative work occurred between 2001 to 2012. There is no documentation that Mr. Tucker modified his operation as required by the Wisconsin Department of Justice.

During 2012, Stantec was retained by Marinette County to perform a supplemental site investigation (SI) of the Former Leo Tucker Property which the County acquired through tax foreclosure. The purpose of the supplemental SI was to further evaluate current site conditions related to environmental concerns identified during previous assessments and remedial actions and determine appropriate actions to obtain case closure from the WDNR. On September 19, 2012, Stantec completed 22 soil borings and oversaw the installation of permanent groundwater monitoring wells at four locations on the Property. Based on the results of the supplemental SI completed by Stantec, no significant detections of analyzed constituents were present in soil and groundwater samples collected at the Site. No significant field evidence of release (i.e., elevated photoionization detector [PID] readings, odors, staining, etc.) was observed. However, above grade solid waste including tires, storage tanks, and other debris remained at the Site. As such, limited contamination

was potentially believed to remain below these materials in some locations.

On October 25, 2017 Stantec mobilized to the site to advance additional soil borings as requested by the WDNR in areas where solid waste had formerly been present. Upon arriving on-site, it appeared that the piles of tires and some of the solid waste had been removed, however, solid waste consisting of miscellaneous debris, empty automobile gas tanks, etc. still remained on-site. It should be noted Marinette County removed some of the solid waste on the site after acquiring the Property. Stantec proceeded with advancing six additional soil borings in the former and existing pile locations and if necessary moved the solid waste aside to access soil beneath. Soil borings were advanced using a hand auger to a depth of 2 feet below grade (fbg) with samples collected from each of the borings.

Laboratory analysis of the additional soil samples collected at the Site detected lead above the WDNR RCL for the protection of groundwater in sample S2601. No other compounds were detected in any of the samples above regulatory limits. The results of groundwater samples previously collected from all the monitoring wells at the Site, including MW2 located closest to SB26, contained no laboratory detectable concentrations of lead in the groundwater. These results indicate that lead impacted soil is not having a significant adverse effect on groundwater quality.

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.
Based on post-remedial soil and groundwater data collected in 2012 and 2017 by Stantec, no soil or groundwater contamination is expected to impact adjacent properties.

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 are situated on the Property that hindered site investigation or remedial activities.

B. Soil

i. Describe degree and extent of soil contamination. Relate this to known or suspected sources and known or potential receptors/migration pathways.
Soil samples collected in 2012 and 2017 after the USEPA remedial actions show lead is present in excess of the NR720 background threshold value and residual contaminant level (RCL) for the protection of groundwater in Boring B26 from 0-2 fbg. No other contaminants including RCRA metals, VOCS, PAHs, or pesticides were discovered exceeding NR720 RCLs for groundwater protection or direct contact on the Property during the 2012 and 2017 sampling events.

ii. Describe the concentration(s) and types of soil contaminants found in the upper four feet of the soil column.
Lead in soil exceeds the NR720 RCL for groundwater protection at a depth of 0-2 fbg in boring B26.

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.
Stantec utilized the standard RCLs provided by the WDNR in spreadsheet form. The RCLs were most recently updated by the WDNR during June 2018.

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.
Groundwater sampling of the four wells installed on the Property indicate no significant evidence of a release has occurred on the Property.

Only two RCRA metals were detected in site groundwater samples collected in 2012. Dissolved barium was detected in groundwater samples collected from all four monitoring wells, and dissolved cadmium was detected in the sample from MW-1. The measured concentrations were below the respective NR140 PALs. Two VOCs (chloromethane and methylene chloride) were detected in individual Stantec water samples. However, methylene chloride was detected only in the equipment bank sample, and not in any of the groundwater samples from the four wells. Chloromethane was detected at a concentration of 0.32 micrograms per liter (µg/L) in the sample from MW-2, which slightly exceeds the NR 140 PAL. However, this analyte was detected between the limit of detection and the limit of quantification and the value is estimated.

The only SVOC detected was bis(2-ethylhexyl)phthalate, which was detected in the all four well samples as well as the field duplicate at concentrations that exceed the NR140 PAL and/or ES. The bis(2-ethylhexyl)phthalate detections appear to be consistent with leaching of this chemical from the PVC used to construct the wells. Bis(2- ethylhexyl)

phthalate is a plasticizer agent commonly used in the manufacturer of PVC. The common "false" detection of bis(2-ethylhexyl)phthalate in groundwater samples was/is a problem recognized by the WDNR and resulted in a publication by WDNR titled "Problems Associated with bis (2-ethylhexyl) phthalate Detections in Groundwater Monitoring Wells" (WDNR Publication WA 1011, Rev. 2002).

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.

No free product was found to be present within any of the Site monitoring wells.

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.

Given the absence of elevated levels of VOCs in the soil and groundwater, the potential for vapor intrusion does not appear to be an issue at the Site.

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).

Not Applicable

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.

No surface water or sediments were sampled on the Property. The nearest source of surface water to the Property is Left Foot Lake over 0.6 miles to the south.

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.

Surface water and/or sediments were not sampled as no surface water exists on the Property. Left Foot Lake is the nearest source of surface water and is located approximately 0.6 miles south of the Property.

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.

During October 8 through November 2, 2001, approximately 3,400 tons of contaminated soil was removed from the Property and disposed of as a special waste at the Superior Hickory Hills Landfill of Hilbert, Wisconsin. The excavation areas were backfilled with clean clay, sand and gravel. Additional cleanup was conducted prior to the October 25, 2017 sampling event. Refuse including piles of tires and some of the solid waste had been removed.

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

Not Applicable - No interim actions were necessary at the Site.

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

Not Applicable - No active remediation systems utilized at the Site.

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.

Not Applicable

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.

Based on the post remedial sampling conducted in 2012 and 2017, no significant residual contamination appears to be present on the Property.

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.

Post remedial investigation identified no soil contaminants in excess of the NR720 RCL for direct contact on the Property.

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.

Lead was detected from boring B26 at a depth of 0-2 fbg during the 2017 sampling event in excess of the NR720 RCL for groundwater protection. No other samples exceeded the groundwater pathway RCLs.

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.

Not Applicable - No significant residual contamination appears to remain on the Property requiring engineering controls, natural attenuation, or mitigation systems.

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).

Not Applicable - No significant impacts appear to be affecting groundwater at the Property

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

The excavation completed by the EPA removed the bulk of soil contaminants associated with the Property and the potential leaching source of contaminants to groundwater. Excavations were then backfilled with clean sand or gravel to achieve final site grades.

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

Not Applicable - No remediation system was installed on the Site.

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.

Not Applicable

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.

Not Applicable

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 is present at the site.

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

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

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

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

6. Underground Storage Tanks

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

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

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

General Instructions

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

Data Tables (Attachment A)

Directions for Data Tables:

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

A. Data Tables

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

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

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

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

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

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

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

Maps, Figures and Photos (Attachment B)

Directions for Maps, Figures and Photos:

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

B.1. Location Maps

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

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

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

B.2. Soil Figures

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

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

B.3. Groundwater Figures

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

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

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

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

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

B.4. Vapor Maps and Other Media

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

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

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

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

Documentation of Remedial Action (Attachment C)

Directions for Documentation of Remedial Action:

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

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

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

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

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

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

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

Maintenance Plan(s) and Photographs (Attachment D)

Directions for Maintenance Plans and Photographs:

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

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

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

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

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

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

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

Monitoring Well Information (Attachment E)

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

Select One:

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

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

◯ ***Select One or More:***

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

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

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

Source Legal Documents (Attachment F)

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

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

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

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

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

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

Notifications to Owners of Affected Properties (Attachment G)

Directions for Notifications to Owners of Affected Properties:

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

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

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

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

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

Notifications to Owners of Affected Properties (Attachment G)

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

Signatures and Findings for Closure Determination

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

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

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

Engineering Certification

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

Printed Name	Title

Signature	Date	P.E. Stamp and Number

Hydrogeologist Certification

I Stuart Gross 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."

Stuart Gross	Associate
Printed Name	Title

Signature	September 10, 2018
	Date

A. Data Tables

A.1 Groundwater Analytical Tables - RCRA Metals
Former Leo Tucker Property, Crivitz, Wisconsin

Well Number	Date Collected	RCRA Metals							
		Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
NR 140 PAL (µg/l)		1	400	0.5	10	1.5	0.2	10	10
NR 140 ES (µg/l)		10	2,000	5	100	15	2	50	50
		Concentrations (micrograms per liter)							
*RW1	07/11/01	*2.3*	---	---	---	*2.2*	---	---	---
*RW2	07/11/01	*1.1*	---	---	---	ND	---	---	---
*RW3	07/11/01	0.42	---	---	---	ND	---	---	---
Remedial Excavation Completed on the Property October 8 to November 2, 2001									
MW-1	11/08/12	<4.7	14.7	0.39 J	<2.4	<1.4	<0.10	<5.8	<2.3
MW-2	11/08/12	<4.7	15.3	<0.39	<2.4	<1.4	<0.10	<5.8	<2.3
MW-3	11/08/12	<4.7	4.9 J	<0.39	<2.4	<1.4	<0.10	<5.8	<2.3
MW-4	11/08/12	<4.7	10.2	<0.39	<2.4	<1.4	<0.10	<5.8	<2.3
FD3 (MW-4)	11/08/12	<4.7	9.9	<0.39	<2.4	<1.4	<0.10	<5.8	<2.3
EB1	11/08/12	<4.7	<1.2	<0.39	<2.4	<1.4	<0.10	<5.8	<2.3

Note: All groundwater samples analyzed for metals were field filtered prior to preservation and analysis.
* = samples collected prior to the completion of remedial actions in October and November 2001.
X = Concentration detected above NR 140 PAL
X = Concentration detected above NR 140 ES
<x = Analyte not detected above method detection limit
"J" = Analyte detected between Limit of Detection and Limit of Quantitation
RW = Residential Well
EB = Equipment Blank
FD = Field Duplicate
NE = Not Established
ND = Sample analyzed but not detected. Sample data obtained from Weston's 2001 investigation and remediation summary report. No laboratory data provided.
NR 140 ES = Chapter NR 140 Wisc. Adm. Code Enforcement Standard
NR 140 PAL = Chapter NR 140 Wisc. Adm. Code Preventive Action Limit
RCRA = Resource Conservation and Recovery Act
µg/l = Micrograms per liter

A.1. - Groundwater Analytical Tables - VOCs
Former Leo Tucker Property, Crivitz, Wisconsin

Well Number	Date Collected	Volatile Organic Compounds																								
		Benzene	n-Butylbenzene	Chloroethane	Chloromethane	Dibromochloromethane	1,2-Dichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene	p-Isopropyltoluene	Methylene Chloride	Methyl tert-butyl ether (MTBE)	Naphthalene	n-Propylbenzene	Tetrachloroethene (PCE)	Toluene	1,1,1-Trichloroethane (1,1,1-TCA)	1,1,2-Trichloroethane (1,1,2-TCA)	Trichloroethene (TCE)	Trichlorofluoromethane	Total Trimethylbenzene	Vinyl Chloride	Total Xylenes
NR 140 PAL (µg/l)		0.5	NE	80	3	6	0.5	85	0.7	7	20	140	NE	NE	0.5	12	10	NE	0.5	160	40	0.5	0.5	NE	96	0.02	400
NR 140 ES (µg/l)		5	NE	400	30	60	5	850	7	70	100	700	NE	NE	5	60	100	NE	5	800	200	5	5	NE	480	0.2	2,000
		Concentrations (micrograms per liter)																								
*TW100	7/6/2000	<0.39	<0.43	<0.15	<1.1	<0.5	<0.35	<0.35	<0.66	<0.37	<0.43	<0.4	<0.38	<0.44	<0.57	<0.47	<0.53	<0.42	<0.34	<0.37	<0.54	<0.46	<0.46	<0.62	<1.03	<0.87	<1.43
*TW200	7/6/2000	<0.39	<0.43	<0.15	<1.1	<0.5	<0.35	<0.35	<0.66	<0.37	<0.43	<0.4	<0.38	<0.44	<0.57	<0.47	<0.53	<0.42	<0.34	<0.37	<0.54	<0.46	<0.46	<0.62	<1.03	<0.87	<1.43
*TW300	7/6/2000	<0.39	<0.43	<0.15	<1.1	<0.5	<0.35	<0.35	<0.66	<0.37	<0.43	<0.4	<0.38	<0.44	<0.57	0.54 J	<0.53	<0.42	<0.34	<0.37	<0.54	<0.46	<0.46	<0.62	<1.03	<0.87	<1.43
*TW400	7/6/2000	<0.39	0.48 J	<0.15	<1.1	<0.5	<0.35	<0.35	<0.66	<0.37	<0.43	<0.4	<0.38	<0.44	<0.57	<0.47	<0.53	<0.42	<0.34	<0.37	<0.54	<0.46	<0.46	<0.62	<1.03	<0.87	<1.43
*TW500	7/6/2000	<0.39	<0.43	<0.15	<1.1	<0.5	<0.35	<0.35	<0.66	<0.37	<0.43	<0.4	<0.38	<0.44	<0.57	<0.47	<0.53	<0.42	<0.34	<0.37	<0.54	<0.46	<0.46	<0.62	<1.03	<0.87	<1.43
*TW600	7/6/2000	<0.39	<0.43	<0.15	<1.1	<0.5	<0.35	<0.35	<0.66	<0.37	<0.43	<0.4	<0.38	<0.44	<0.57	***24***	<0.53	<0.42	<0.34	<0.37	<0.54	<0.46	<0.46	<0.62	<1.03	<0.87	<1.43
*TW700	7/6/2000	<0.39	<0.43	<0.15	<1.1	<0.5	<0.35	<0.35	<0.66	<0.37	<0.43	<0.4	<0.38	<0.44	<0.57	***26***	<0.53	<0.42	<0.34	<0.37	<0.54	<0.46	<0.46	<0.62	<1.03	<0.87	<1.43
*TW800	7/6/2000	<0.39	<0.43	<0.15	<1.1	<0.5	<0.35	<0.35	<0.66	<0.37	<0.43	<0.4	<0.38	<0.44	<0.57	1.3 J	0.55 J	<0.42	<0.34	<0.37	<0.54	<0.46	<0.46	<0.62	<1.03	<0.87	<1.43
*TW900	7/6/2000	<0.39	<0.43	<0.15	<1.1	<0.5	<0.35	<0.35	<0.66	<0.37	<0.43	<0.4	<0.38	<0.44	<0.57	<0.47	<0.53	<0.42	<0.34	<0.37	<0.54	<0.46	<0.46	<0.62	<1.03	<0.87	<1.43
*TW1000	7/6/2000	<0.39	<0.43	<0.15	<1.1	<0.5	<0.35	<0.35	<0.66	<0.37	<0.43	<0.4	<0.38	<0.44	<0.57	0.6 J	<0.53	<0.42	<0.34	<0.37	<0.54	<0.46	<0.46	<0.62	<1.03	<0.87	<1.43
Remedial Excavation Completed on the Property October 8 to November 2, 2001																										
MW-1	11/08/12	<0.41	<0.93	<0.97	<0.24	<0.81	<0.36	<0.75	<0.57	<0.83	<0.89	<0.54	<0.59	<0.67	<0.43	<0.61	<0.89	<0.81	<0.45	<0.67	<0.90	<0.20	<0.48	<0.79	<1.80	<0.18	<2.61
MW-2	11/08/12	<0.41	<0.93	<0.97	***0.32 J***	<0.81	<0.36	<0.75	<0.57	<0.83	<0.89	<0.54	<0.59	<0.67	<0.43	<0.61	<0.89	<0.81	<0.45	<0.67	<0.90	<0.20	<0.48	<0.79	<1.80	<0.18	<2.61
MW-3	11/08/12	<0.41	<0.93	<0.97	<0.24	<0.81	<0.36	<0.75	<0.57	<0.83	<0.89	<0.54	<0.59	<0.67	<0.43	<0.61	<0.89	<0.81	<0.45	<0.67	<0.90	<0.20	<0.48	<0.79	<1.80	<0.18	<2.61
MW-4	11/08/12	<0.41	<0.93	<0.97	<0.24	<0.81	<0.36	<0.75	<0.57	<0.83	<0.89	<0.54	<0.59	<0.67	<0.43	<0.61	<0.89	<0.81	<0.45	<0.67	<0.90	<0.20	<0.48	<0.79	<1.80	<0.18	<2.61
FD3 (MW-4)	11/08/12	<0.41	<0.93	<0.97	<0.24	<0.81	<0.36	<0.75	<0.57	<0.83	<0.89	<0.54	<0.59	<0.67	<0.43	<0.61	<0.89	<0.81	<0.45	<0.67	<0.90	<0.20	<0.48	<0.79	<1.80	<0.18	<2.61
EB1	11/08/12	<0.41	<0.93	<0.97	<0.24	<0.81	<0.36	<0.75	<0.57	<0.83	<0.89	<0.54	<0.59	<0.67	***1.2***	<0.61	<0.89	<0.81	<0.45	<0.67	<0.90	<0.20	<0.48	<0.79	<1.80	<0.18	<2.61
TB1	11/08/12	<0.41	<0.93	<0.97	<0.24	<0.81	<0.36	<0.75	<0.57	<0.83	<0.89	<0.54	<0.59	<0.67	<0.43	<0.61	<0.89	<0.81	<0.45	<0.67	<0.90	<0.20	<0.48	<0.79	<1.80	<0.18	<2.61

Note:

*	= samples collected prior to the completion of remedial actions in October and November 2001.
X	= Concentration detected above NR 140 PAL
X	= Concentration detected above NR 140 ES
<x	= Analyte not detected above method detection limit
"J"	= Analyte detected between Limit of Detection and Limit of Quantitation
EB	= Equipment Blank
FD	= Field Duplicate
NE	= Not Established
NR 140 ES	= Chapter NR 140 Wisc. Adm. Code Enforcement Standard
NR 140 PAL	= Chapter NR 140 Wisc. Adm. Code Preventive Action Limit
VOC	= Semi-Volatile Organic Compound
µg/l	= Micrograms per liter
---	= Not Analyzed

A.1. - Groundwater Analytical Tables - SVOCs
Former Leo Tucker Property, Crivitz, Wisconsin

Well Number	Date Collected	Semi-Volatile Organic Compounds																									
		Phenol	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracine	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g, h, i)perylene	Benzo(k)fluoranthene	Butyl benzyl phthalate	Bis(2-ethylhexyl) phthalate	Chrysene	Dibenzo(a, h,)anthracene	Dibenzofuran	Diethyl phthalate	2,4 - Dimethylphenol	Di-n-butyl phthalate (aka: dibutyl phthalate)	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Isophorone	2-Methyl naphthalene	Naphthalene	Pentachlorophenol (PCP)	Phenanthrene	Pyrene	1,2,4-Trichlorobenzene
NR 140 PAL (µg/l)		2000	NE	NE	600	NE	0.02	0.02	NE	NE	NE	0.6	0.02	NE	NE	NE	NE	100	80	80	NE	NE	NE	10	0.1	NE	50	14
NR 140 ES (µg/l)		400	NE	NE	3000	NE	0.2	0.2	NE	NE	NE	6	0.2	NE	NE	NE	NE	1000	400	400	NE	NE	NE	100	1	NE	250	70
		Concentrations (micrograms per liter)																									
MW-1	11/08/12	<1.0	<0.96	<1.0	<0.63	<0.62	<0.98	<1.5	<0.78	<1.0	<1.1	***5.5***	<0.79	<1.4	<1.1	<1.4	<1.1	<0.90	<0.92	<1.2	<0.68	<1.4	<1.4	<0.71	<1.1	<0.64	<1.6	<0.88
MW-2	11/08/12	<0.99	<0.91	<0.95	<0.60	<0.58	<0.92	<1.4	<0.73	<0.98	<1.0	***6.5***	<0.74	<1.3	<1.0	<1.3	<1.1	<0.85	<0.87	<1.1	<0.64	<1.3	<1.3	<0.67	<1.0	<0.60	<1.5	<0.83
MW-3	11/08/12	<1.0	<0.95	<1.0	<0.63	<0.61	<0.97	<1.4	<0.77	<1.0	<1.1	***3.3 J***	<0.78	<1.4	<1.1	<1.3	<1.1	<0.90	<0.91	<1.1	<0.67	<1.4	<1.4	<0.70	<1.1	<0.63	<1.6	<0.87
MW-4	11/08/12	<1.0	<0.96	<1.0	<0.63	<0.62	<0.98	<1.5	<0.78	<1.0	<1.1	***3.8 J***	<0.79	<1.4	<1.1	<1.4	<1.1	<0.90	<0.92	<1.2	<0.68	<1.4	<1.4	<0.71	<1.1	<0.64	<1.6	<0.88
FD3 (MW-4)	11/08/12	<1.1	<0.97	<1.0	<0.64	<0.62	<0.99	<1.5	<0.79	<1.0	<1.1	***4.4 J***	<0.80	<1.4	<1.1	<1.4	<1.2	<0.91	<0.93	<1.2	<0.68	<1.4	<1.4	<0.72	<1.1	<0.65	<1.6	<0.89
EB1	11/08/12	<0.98	<0.90	<0.94	<0.59	<0.58	<0.91	<1.4	<0.73	<0.97	<1.0	<2.4	<0.74	<1.3	<1.0	<1.3	<1.1	<0.84	<0.86	<1.1	<0.63	<1.3	<1.3	<0.66	<1.0	<0.60	<1.5	<0.82

Note:

X	= Concentration detected above NR 140 PAL
X	= Concentration detected above NR 140 ES
<x	= Analyte not detected above method detection limit
"J"	= Analyte detected between Limit of Detection and Limit of Quantitation
EB	= Equipment Blank
FD	= Field Duplicate
NE	= Not Established
NR 140 ES	= Chapter NR 140 Wisc. Adm. Code Enforcement Standard
NR 140 PAL	= Chapter NR 140 Wisc. Adm. Code Preventive Action Limit
SVOC	= Semi-Volatile Organic Compound
µg/l	= Micrograms per liter

A.2. - Soil Analytical Results Tables - RCRA Metals and PCBs, Former Leo Tucker Property, Crivitz, Wisconsin

Boring Number	Sample Number	Depth (fbg)	Date Collected	RCRA Metals (mg/kg)								Polychlorinated Biphenyls (PCBs) (mg/kg)							
				Arsenic (total)	Barium (total)	Cadmium (total)	Chromium (total) ++	Lead (total)	Mercury (total)	Selenium (total)	Silver (total)	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
WDNR RCL for Protection from Direct Contact Risk (Non-Industrial)				**8*** [0.677]	15,300	71.1	NE	400	3.13	391	391	4.11	0.213	0.19	0.235	0.236	0.239	0.243	0.234
WDNR RCL for Protection from Direct Contact Risk (Industrial)				**8*** [3.00]	100,000	799	NE	800	3.13	5,840	5,840	28	0.883	0.792	0.972	0.975	0.988	1	0.967
WDNR RCL for Protection of Groundwater				**8*** [0.584]	**364*** [164.8]	**1*** [0.752]	360,000	**52*** [27]	0.208	0.52	0.8491	NE	NE	NE	NE	NE	NE	NE	0.0094
Background Threshold (BVT)				8	364	1	44	52	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
				Concentrations (milligrams per kilogram)															
B100	S101	0-2	7/6/2000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
B200	S201	0-2	07/06/00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
B300	S301	0-2	07/06/00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
B400	S401	0-2	07/06/00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
B500	S501	0-2	07/06/00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
B800	S801	0-2	07/06/00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
B900	S901	0-2	07/06/00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
B1000	S1001	0-2	07/06/00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
GS1	GS1	0-0.5	07/06/00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
GS2	GS2	0-0.5	07/06/00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
GS3	GS3	0-0.5	07/06/00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
GS4	GS4	0-0.5	07/06/00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
GS5	GS5	Composite	07/06/00	3.1 J	110	**2.8 J**	**47**	**1290**	0.044 J	---	---	---	---	---	---	---	---	---	---
GS6	GS6	Composite	07/06/00	<2.8	44	**2.7 J**	13	**270**	<0.03	---	---	---	---	---	---	---	---	---	---
GS7	GS7	0-0.5	07/06/00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

A.2. - Soil Analytical Results Tables - RCRA Metals and PCBs, Former Leo Tucker Property, Crivitz, Wisconsin

Boring Number	Sample Number	Depth (fbg)	Date Collected	RCRA Metals (mg/kg)								Polychlorinated Biphenyls (PCBs) (mg/kg)							
				Arsenic (total)	Barium (total)	Cadmium (total)	Chromium (total) ++	Lead (total)	Mercury (total)	Selenium (total)	Silver (total)	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
WDNR RCL for Protection from Direct Contact Risk (Non-Industrial)				**8*** [0.677]	15,300	71.1	NE	400	3.13	391	391	4.11	0.213	0.19	0.235	0.236	0.239	0.243	0.234
WDNR RCL for Protection from Direct Contact Risk (Industrial)				**8*** [3.00]	100,000	799	NE	800	3.13	5,840	5,840	28	0.883	0.792	0.972	0.975	0.988	1	0.967
WDNR RCL for Protection of Groundwater				**8*** [0.584]	**364*** [164.8]	**1*** [0.752]	360,000	**52*** [27]	0.208	0.52	0.8491	NE	NE	NE	NE	NE	NE	NE	0.0094
Background Threshold (BVT)				8	364	1	44	52	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
				Concentrations (milligrams per kilogram)															
GS8	GS8	Composite	07/06/00	8.7 J	**795**	**11**	**81**	**367**	<0.03	---	---	---	---	---	---	---	---	---	---
GS9	GS9	0-0.5	07/06/00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
GS10	GS10	0-0.5	07/06/00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S01	S01	0-3	07/10/01	5.5	---	**6**	16	**4,200**	---	---	---	ND	ND	ND	ND	ND	ND	ND	ND
S01A	S01A	0-3	07/10/01	ND	---	ND	5.1	1	---	---	---	ND	ND	ND	ND	ND	ND	ND	ND
S02	S02	0-3	07/10/01	1.7	---	**1.5**	12	**140**	---	---	---	ND	ND	ND	ND	ND	ND	ND	ND
S03	S03	0-3	07/10/01	3.7	---	**1.6**	13	**110**	---	---	---	ND	ND	ND	ND	ND	ND	ND	ND
S04	S04	0-3	07/10/01	1.7	---	0.66	8.2	**98**	---	---	---	ND	ND	ND	ND	ND	ND	ND	ND
S05	S05	0-3	07/10/01	3	---	**24**	24	**200**	---	---	---	ND	ND	ND	ND	ND	ND	ND	**4.70**
S06	S06	0-3	07/10/01	4.2	---	**4.3**	40	**160**	---	---	---	ND	ND	ND	ND	ND	ND	ND	ND
S06A	S06A	0-3	07/10/01	ND	---	ND	3.7	ND	---	---	---	ND	ND	ND	ND	ND	ND	ND	ND
S07	S07	0-3	07/10/01	1.7	---	**1.1**	9.1	**52**	---	---	---	ND	ND	ND	ND	ND	ND	ND	ND
S08	S08	0-3	07/10/01	1.8	---	**2.6**	17	**160**	---	---	---	ND	ND	ND	ND	ND	ND	ND	ND
Remedial Excavation Completed on the Property October 8 through November 2, 2001																			
B1	3_SB1(0-2)	0-2	09/19/12	1.4 J	23.3	<0.028	9.4	3.5	0.013	<0.44	<0.20	---	---	---	---	---	---	---	---
B2	3_SB2(0-2)	0-2	09/19/12	1.7 J	21.8	<0.030	8.6	3.1	0.0045 J	<0.47	<0.21	---	---	---	---	---	---	---	---
B3	3_SB3(0-2)	0-2	09/19/12	1.3 J	11.8	<0.033	8.6	1.3	0.0072	<0.51	<0.23	---	---	---	---	---	---	---	---
B4	3_SB4(0-2)	0-2	09/19/12	1.4 J	11.4	<0.032	7.1	2.0	0.0080	<0.50	<0.23	---	---	---	---	---	---	---	---
B5	3_SB5(0-2)	0-2	09/19/12	1.7 J	16.0	<0.032	10.1	1.5	0.0073	<0.50	<0.23	<0.0248	<0.0248	<0.0248	<0.0248	<0.0248	<0.0248	<0.0248	<0.0248
B6	3_SB6(0-2)	0-2	09/19/12	1.5 J	18.0	<0.030	9.1	2.3	0.0071	<0.47	<0.21	---	---	---	---	---	---	---	---
B7	3_SB7(0-2)	0-2	09/19/12	1.1 J	26.8	<0.032	8.6	2.6	0.0096	<0.49	<0.22	---	---	---	---	---	---	---	---
B8	3_SB8(0-2)	0-2	09/19/12	1.8	27.5	0.16 J	9.3	9.0	0.0080	<0.44	<0.20	---	---	---	---	---	---	---	---
B9	3_SB9(0-2)	0-2	09/19/12	1.0 J	14.5	<0.028	7.1	1.2	0.0064 J	<0.44	<0.20	<0.0241	<0.0241	<0.0241	<0.0241	<0.0241	<0.0241	<0.0241	<0.0241
B10	3_SB10(0-2)	0-2	09/19/12	1.5 J	15.1	<0.029	7.1	9.2	0.0096	<0.45	<0.20	---	---	---	---	---	---	---	---
B11	3_S11(0-2)	0-2	09/19/12	1.6 J	19.9	<0.029	9.3	2.4	0.0087	<0.45	<0.20	---	---	---	---	---	---	---	---
B12	3_SB12(0-2)	0-2	09/19/12	1.0 J	4.3	<0.031	6.0	0.90 J	0.0076	<0.47	<0.22	<0.0243	<0.0243	<0.0243	<0.0243	<0.0243	<0.0243	<0.0243	<0.0243

A.2. - Soil Analytical Results Tables - RCRA Metals and PCBs, Former Leo Tucker Property, Crivitz, Wisconsin

Boring Number	Sample Number	Depth (fbg)	Date Collected	RCRA Metals (mg/kg)								Polychlorinated Biphenyls (PCBs) (mg/kg)							
				Arsenic (total)	Barium (total)	Cadmium (total)	Chromium (total) ++	Lead (total)	Mercury (total)	Selenium (total)	Silver (total)	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
WDNR RCL for Protection from Direct Contact Risk (Non-Industrial)				**8*** [0.677]	15,300	71.1	NE	400	3.13	391	391	4.11	0.213	0.19	0.235	0.236	0.239	0.243	0.234
WDNR RCL for Protection from Direct Contact Risk (Industrial)				**8*** [3.00]	100,000	799	NE	800	3.13	5,840	5,840	28	0.883	0.792	0.972	0.975	0.988	1	0.967
WDNR RCL for Protection of Groundwater				**8*** [0.584]	**364*** [164.8]	**1*** [0.752]	360,000	**52*** [27]	0.208	0.52	0.8491	NE	NE	NE	NE	NE	NE	NE	0.0094
Background Threshold (BVT)				8	364	1	44	52	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
				Concentrations (milligrams per kilogram)															
B13	3_SB13(0-2)	0-2	09/19/12	1.7 J	14.4	0.043 J	9.2	3.0	0.0071	<0.47	<0.21	---	---	---	---	---	---	---	---
B14	3_SB14(0-2)	0-2	09/19/12	1.8 J	23.8	0.061 J	10.5	24.6	0.013	<0.50	<0.23	---	---	---	---	---	---	---	---
B15	3_SB15(0-2)	0-2	09/19/12	1.2 J	31.0	<0.030	7.4	3.0	0.0097	<0.47	<0.21	---	---	---	---	---	---	---	---
B16	3_SB16(0-2)	0-2	09/19/12	1.9 J	26.4	<0.030	10.9	3.0	0.0080	<0.47	<0.21	<0.0244	<0.0244	<0.0244	<0.0244	<0.0244	<0.0244	<0.0244	<0.0244
B17	3_SB17(0-2)	0-2	09/19/12	0.98 J	28.5	<0.030	7.9	2.7	0.0092	<0.47	<0.21	---	---	---	---	---	---	---	---
B18	3_SB18(0-2)	0-2	09/19/12	1.1 J	18.6	<0.029	7.9	2.1	0.010	<0.45	<0.20	<0.0246	<0.0246	<0.0246	<0.0246	<0.0246	<0.0246	<0.0246	<0.0246
B19	3_SB19(0-2)	0-2	09/19/12	1.8 J	27.8	<0.030	10.8	2.8	0.0035 J	<0.47	<0.21	---	---	---	---	---	---	---	---
B20	3_SB20(0-2)	0-2	09/19/12	1.3 J	23.1	<0.027	8.3	2.1	0.0085	<0.43	<0.19	---	---	---	---	---	---	---	---
B21	3_SB21(0-2)	0-2	09/19/12	1.4 J	18.5	<0.031	9.8	1.8	0.0065	<0.48	<0.22	<0.0246	<0.0246	<0.0246	<0.0246	<0.0246	<0.0246	<0.0246	<0.0246
B22	3_SB22(0-2)	0-2	09/19/12	1.1 J	11.2	<0.031	8.9	1.5	0.0095	<0.48	<0.22	---	---	---	---	---	---	---	---
B23	S2301	0-2	10/25/17	1.1	11	0.098 J	6.9	3.2	0.0068 J	<0.51	<0.11	<0.0061	<0.0076	<0.0075	<0.0057	<0.0068	<0.0037	<0.0085	<0.0459
B24	S2401	0-2	10/25/17	0.60 J	9.5	0.075 J	5.9	0.87	0.0056 J	<0.60	<0.13	<0.0058	<0.0072	<0.0071	<0.0054	<0.0065	<0.0035	<0.0081	<0.0436
B26	S2601	0-2	10/25/17	1.1	19	0.13 J	8.7	**130**	<0.0056	<0.59	<0.13	<0.0059	<0.0074	<0.0073	<0.0055	<0.0066	<0.0036	<0.0082	<0.0445
B27	S2701	0-2	10/25/17	0.80 J	11	0.086 J	9.4	1.4	0.0074 J	<0.56	<0.12	<0.0059	<0.0073	<0.0072	<0.0055	<0.0066	<0.0036	<0.0082	<0.0443
B28	S2801	0-2	10/25/17	0.87 J	21	0.10 J	8.1	1.8	0.0099 J	<0.60	<0.13	<0.0061	<0.0076	<0.0076	<0.0057	<0.0068	<0.0037	<0.0085	<0.0460

Key:

<x = compound not detected to a detection limit of x

--- = not laboratory analyzed

XX* [XXX] = standard in bold are background threshold values (BTVs) being utilized for the purpose of evaulation under ch. NR700 WAC. The established WAC RCL is noted in brackets.

XXX = exceeds WDNR Non-Industrial RCL for direct contact risk

XXX = exceeds WDNR Industrial RCL for direct contact risk

XXX = exceeds WDNR RCL for protection of groundwater and/or BTV

NE = not established by WAC (Wis. Adm. Code) or WDNR Soil RCL Summary Table

* = The WDNR has determined state-wide soil BTVs (February 2013). Therefore, reported values less than BTVs are not considered a direct contact or groundwater pathway concern with respect to site releases requiring further remediation action. However, the detection could represent a personal health risk if detected above health based standards.

** = sample collected below the observed low water table

"J" = analyte detected between limit of detection and quantification

RCL = residual contaminant level

RCRA = Resource Conservation and Recovery Act

fbg = feet below grade

ND = Sample analyzed but not detected. Sample data obtained from Weston's 2001 investigation and remediation summary report. No laboratory data provided.

Notes:

Soil samples collected prior to 2012 are pre-remedial. Samples collected in 2012 through 2017 are post-remedial

WDNR soil RCL Summary table (June 2018) used to establish RCLs for groundwater protection and direct contact.

For the purpose of this evaluation under ch. NR 700, background threshold values are being considered as representative of background conditions.

However, constituent concentrations less than background threshold values may represent a potential

health risk if concentrations are greater than health-based standards.

A.2. - Soil Analytical Results Tables - VOCs, Former Leo Tucker Property, Crivitz, Wisconsin

Boring Number	Sample Number	Depth (fbg)	Estimated Depth to Ground-water (fbg)	Date Collected	Volatile Organic Compounds																				
					Benzene	tert-Butylbenzene	sec-Butylbenzene	n-Butylbenzene	Chloromethane	1,1-Dichloroethane	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene	p-Isopropyltoluene	Naphthalene	n-Propylbenzene	Tetrachloroethene (PCE)	Trichloroflouromethane	Toluene	1,1,1-Trichloroethane (1,1,1-TCA)	Trichloroethene (TCE)	1,2,4 Trimethylbenzene	1,3,5 Trimethylbenzene	Vinyl Chloride	Total Xylenes
WDNR RCL for Protection from Direct Contact Risk (Non-Industrial)					1,600	183,000	145,000	108,000	159,000	5,060	156,000	1,560,000	8,020	NE	162,000	5,520	NE	33,000	1,230,000	818,000	640,000	1,300	219,000	182,000	67	260,000
WDNR RCL for Protection from Direct Contact Risk (Industrial)					7,070	183,000	145,000	108,000	669,000	22,200	2,340,000	1,850,000	35,400	NE	162,000	24,100	NE	145,000	1,230,000	818,000	640,000	8,410	219,000	182,000	2,080	260,000
WDNR RCL for Protection of Groundwater					5.1	NE	NE	NE	15.5	483.4	41.2	62.6	1,570	NE	NE	658.2	NE	4.5	NE	1,107.2	140.2	3.6	1,378.7		0.10	3,960
					Concentrations (micrograms per kilogram)																					
B100	S101	0-2	7-10	07/06/00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
B200	S201	0-2	7-10	07/06/00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
B300	S301	0-2	7-10	07/06/00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
B400	S401	0-2	7-10	07/06/00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
B500	S501	0-2	7-10	07/06/00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
B800	S801	0-2	7-10	07/06/00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
B900	S901	0-2	7-10	07/06/00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
B1000	S1001	0-2	7-10	07/06/00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
GS1	GS1	0-0.5	7-10	07/06/00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
GS2	GS2	0-0.5	7-10	07/06/00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
GS3	GS3	0-0.5	7-10	07/06/00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
GS4	GS4	0-0.5	7-10	07/06/00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
GS5	GS5	Composite	7-10	07/06/00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
GS6	GS6	Composite	7-10	07/06/00	<25	<25	<25	530	<25	<25	<25	<25	37	<25	<25	51	160	<25	<25	<25	<25	<25	290	170	<25	137
GS7	GS7	0-0.5	7-10	07/06/00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
GS8	GS8	Composite	7-10	07/06/00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
GS9	GS9	0-0.5	7-10	07/06/00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
GS10	GS10	0-0.5	7-10	07/06/00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Remedial Excavation Completed on the Property October 8 through November 2, 2001																										
B1	3_SB1(2-4)	2-4	7-10	09/19/12	<25	<25	<25	<40.4	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<75
B2	3_SB2(0-2)	0-2	7-10	09/19/12	<25	<25	<25	<40.4	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<75
B3	3_SB3(0-2)	0-2	7-10	09/19/12	<25	<25	<25	<40.4	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<75
B4	3_SB4(0-2)	0-2	7-10	09/19/12	<25	<25	<25	<40.4	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<75
B5	3_SB5(2-4)	2-4	7-10	09/19/12	<25	<25	<25	<40.4	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<75
B6	3_SB6(0-2)	0-2	7-10	09/19/12	<25	<25	<25	<40.4	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<75
B7	3_SB7(0-2)	0-2	7-10	09/19/12	<25	<25	<25	<40.4	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<75
B8	3_SB8(0-2)	0-2	7-10	09/19/12	<25	<25	<25	<40.4	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<75
B9	3_SB9(4-6)	4-6	7-10	09/19/12	<25	<25	<25	<40.4	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<75
B10	3_SB10(0-2)	0-2	7-10	09/19/12	<25	<25	<25	<40.4	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<75
B11	3_SB11(2-4)	2-4	7-10	09/19/12	<25	<25	<25	<40.4	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<75

A.2. - Soil Analytical Results Tables - VOCs, Former Leo Tucker Property, Crivitz, Wisconsin

Boring Number	Sample Number	Depth (fbg)	Estimated Depth to Ground-water (fbg)	Date Collected	Volatile Organic Compounds																				
					Benzene	tert-Butylbenzene	sec-Butylbenzene	n-Butylbenzene	Chloromethane	1,1-Dichloroethane	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene	p-Isopropyltoluene	Naphthalene	n-Propylbenzene	Tetrachloroethene (PCE)	Trichlorofluoromethane	Toluene	1,1,1-Trichloroethane (1,1,1-TCA)	Trichloroethene (TCE)	1,2,4 Trimethylbenzene	1,3,5 Trimethylbenzene	Vinyl Chloride	Total Xylenes
WDNR RCL for Protection from Direct Contact Risk (Non-Industrial)					1,600	183,000	145,000	108,000	159,000	5,060	156,000	1,560,000	8,020	NE	162,000	5,520	NE	33,000	1,230,000	818,000	640,000	1,300	219,000	182,000	67	260,000
WDNR RCL for Protection from Direct Contact Risk (Industrial)					7,070	183,000	145,000	108,000	669,000	22,200	2,340,000	1,850,000	35,400	NE	162,000	24,100	NE	145,000	1,230,000	818,000	640,000	8,410	219,000	182,000	2,080	260,000
WDNR RCL for Protection of Groundwater					5.1	NE	NE	NE	15.5	483.4	41.2	62.6	1,570	NE	NE	658.2	NE	4.5	NE	1,107.2	140.2	3.6	1,378.7		0.10	3,960
					Concentrations (micrograms per kilogram)																					
B12	3_SB12(2-4)	2-4	7-10	09/19/12	<25	<25	<25	<40.4	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<75
B13	3_SB13(0-2)	0-2	7-10	09/19/12	<25	<25	<25	<40.4	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<75
B14	3_SB14(0-2)	0-2	7-10	09/19/12	<25	<25	<25	<40.4	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<75
B15	3_SB15(0-2)	0-2	7-10	09/19/12	<25	<25	<25	<40.4	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<75
B16	3_SB16(0-2)	0-2	7-10	09/19/12	<25	<25	<25	<40.4	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<75
B17	3_SB17(2-4)	2-4	7-10	09/19/12	<25	<25	<25	<40.4	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<75
B18	3_SB18(2-4)	2-4	7-10	09/19/12	<25	<25	<25	<40.4	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<75
B19	3_SB19(0-2)	0-2	7-10	09/19/12	<25	<25	<25	<40.4	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<75
B20	3_SB20(0-2)	0-2	7-10	09/19/12	<25	<25	<25	<40.4	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<75
B21	3_SB21(0-2)	0-2	7-10	09/19/12	<25	<25	<25	<40.4	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<75
B22	3_SB22(0-2)	0-2	7-10	09/19/12	<25	<25	<25	<40.4	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<75
TB1	TB1	---	7-10	09/19/12	<25	<25	<25	<40.4	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<75
FD1	FD1	---	7-10	09/19/12	<25	<25	<25	<40.4	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<75
B23	S2301	0-2	7-10	10/25/17	<7.4	<20	<20	<20	<26	<21	<21	<18	<9.3	<19	<18	<17	<21	<19	<22	<7.5	<19	<8.3	<18	<19	<13	<11
B24	S2401	0-2	7-10	10/25/17	<7.7	<21	<21	<21	<17	<22	<22	<19	<9.7	<20	<19	<18	<22	<20	<23	<7.8	<20	<8.7	<19	<20	<14	<12
B26	S2601	0-2	7-10	10/25/17	<7.8	<21	<21	<21	<17	<22	<22	<19	<9.8	<20	<19	<18	<22	<20	<23	<7.8	<20	<8.8	<19	<20	<14	<12
B27	S2701	0-2	7-10	10/25/17	<8.1	<22	<22	<21	<18	<23	<23	<19	<10	<21	<20	<18	<23	<20	<24	<8.1	<21	<9.1	<20	<21	<14	<12
B28	S2801	0-2	7-10	10/25/17	<8.1	<22	<22	<21	<18	<23	<23	<19	<10	<21	<20	<18	<23	<20	<24	<8.1	<21	<9.1	<20	<21	<15	<12

Key:

<x = compound not detected to a detection limit of x
- = not analyzed
XXX = exceeds WDNR RCL for direct contact risk (Non-Industrial)
XXX = exceeds WDNR RCL for protection of groundwater
µg/kg = micrograms per kilogram
NE = not established by Wisconsin Administrative Code (Wis. Adm. Code) or WDNR Soil RCL Summary Table
* = laboratory report states that detected methylene chloride is suspected laboratory contaminant therefore RCLs do not apply for methylene chloride
** = sample collected below the observed low water table
"J" = analyte detected between limit of detection and limit of quantification
iui = Instruments Units of Isobutylene
RCL = residual contaminant level

Notes: Soil samples collected prior to 2012 are pre-remedial. Samples collected in 2012 through 2017 are post-remedial
WDNR soil RCL Summary table (June 2018) used to establish RCLs for groundwater protection and direct contact.

A.2. - Soil Analytical Results Tables - PAHs, Former Leo Tucker Property, Crivitz, Wisconsin

Boring Number	Sample Number	Depth (fbg)	Estimated Depth to Ground-water (fbg)	Date Collected	DRO (mg/kg)	GRO (mg/kg)	Acenaphthalene	Acenaphthylene	Anthracene	Benzo(a) anthracene	Benzo(a) pyrene	Benzo(b) fluoranthene	Benzo(g,h,i) perylene	Benzo(k) fluoranthene	Chrysene	Dibenzo(a,h) anthrancene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	1-Methyl naphthalene	2-Methyl naphthalene	Naphthalene	Phenanthrene	Pyrene
WDNR RCL for Protection from Direct Contact Risk (Non-Industrial)							3,590,000	NE	17,900,000	1,140	115	1,150	NE	11,500	115,000	115	2,390,000	2,390,000	1,150	17,600	239,000	5,520	NE	1,790,000
WDNR RCL for Protection from Direct Contact Risk (Industrial)							45,200,000	NE	100,000,000	20,800	2,110	21,100	NE	211,000	2,110,000	2,110	30,100,000	30,100,000	21,100	72,700	3,010,000	24,100	NE	22,600,000
WDNR RCL for Protection of Groundwater							NE	NE	196,949	NE	470	479	NE	NE	144.6	NE	88,877.8	14,829.9	NE	NE	NE	658.2	NE	54,545.5
							Concentrations (micrograms per kilogram)																	
B100	S101	0-2	7-10	07/06/00	<10	<10	<21	<24	<36	<23	<34	<46	<29	<48	<42	<18	<38	<47	<18	<31	<21	<30	<35	<45
B200	S201	0-2	7-10	07/06/00	1,900	<10	<110	<120	<180	200 J	<170	<230	<150	<240	<210	<90	<190	<240	<90	<160	<110	<150	<180	250 J
B300	S301	0-2	7-10	07/06/00	690	<10	<110	<120	<180	<120	<170	<230	<150	<240	<210	<90	<190	<240	<90	<160	<110	<150	<180	<230
B400	S401	0-2	7-10	07/06/00	15,000	360	<110	<120	<180	<120	<170	<230	<150	<240	<210	<90	220 J	940	<90	<160	190 J	<150	<180	1700
B500	S501	0-2	7-10	07/06/00	38	<10	<21	<24	<36	<23	<34	<46	<29	<48	<42	<18	<38	<47	<18	<31	<21	<30	<35	<45
B800	S801	0-2	7-10	07/06/00	4,800	50	<110	<120	<180	<120	<170	<230	<150	<240	<210	<90	<190	<240	<90	660	580	<150	<180	340 J
B900	S901	0-2	7-10	07/06/00	42	<10	<21	<24	<36	<23	<34	<46	<29	<48	<42	<18	<38	<47	<18	<31	<21	<30	<35	<45
B1000	S1001	0-2	7-10	07/06/00	26	<10	<21	<24	<36	<23	<34	<46	<29	<48	<42	<18	<38	<47	<18	<31	<21	<30	<35	<45
GS1	GS1	0-0.5	7-10	07/06/00	<10	<10	<21	<24	<36	<23	<34	<46	<29	<48	<42	<18	<38	<47	<18	<31	<21	<30	<35	<45
GS2	GS2	0-0.5	7-10	07/06/00	13,000	200	<530	<600	<900	<580	<850	<1,200	<730	<1,200	<1,100	<450	<1,000	<1,200	<450	7,900	10,000	<750	1,300 J	1,100 J
GS3	GS3	0-0.5	7-10	07/06/00	120	<10	<21	<24	<36	<23	<34	<46	<29	<48	<42	<18	<38	<47	<18	<31	<21	<30	<35	<45
GS4	GS4	0-0.5	7-10	07/06/00	2,000	<100	<110	400	<180	<120	<170	<230	<150	<240	<210	<90	<190	<240	<90	<160	<110	<150	<180	<230
GS5	GS5	Composite	7-10	07/06/00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
GS6	GS6	Composite	7-10	07/06/00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
GS7	GS7	0-0.5	7-10	07/06/00	8,000	<100	<530	<600	<900	<580	<850	<1,200	<730	<1,200	<1,100	<450	<1,000	<1,200	<450	<780	<530	<750	<880	<1,100
GS8	GS8	Composite	7-10	07/06/00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
GS9	GS9	0-0.5	7-10	07/06/00	6,400	<10	<530	<600	<900	<580	<850	<1,200	<730	<1,200	<1,100	<450	<1,000	<1,200	<450	<780	<530	<750	<880	<1,100
GS10	GS10	0-0.5	7-10	07/06/00	5,100	<100	<420	<480	<720	<460	<680	<920	<580	<1,000	<840	<360	<760	<940	<360	1,300 J	2,600	1,200 J	<700	1,200 J
Remedial Excavation Completed on the Property October 8 through November 2, 2001																								
B1	3_SB1(0-2)	0-2	7-10	09/19/12	---	---	<8.7	<8.7	<1.8	<8.7	<8.7	<2.5	<8.7	<8.7	<2.0	<8.7	<8.7	<8.7	<8.7	<7.9	<1.6	<3.3	<2.2	<8.7
B2	3_SB2(0-2)	0-2	7-10	09/19/12	---	---	<8.5	<8.5	<1.7	<8.5	<8.5	<2.4	<8.5	<8.5	<1.9	<8.5	<8.5	<8.5	<8.5	<7.7	<1.6	<3.2	<2.2	<8.5
B3	3_SB3(0-2)	0-2	7-10	09/19/12	---	---	<8.8	<8.8	<1.8	<8.8	<8.8	<2.5	<8.8	<8.8	<2.0	<8.8	<8.8	<8.8	<8.8	<8.0	<1.6	<3.3	<2.2	<8.8
B4	3_SB4(0-2)	0-2	7-10	09/19/12	---	---	<9.2	<9.2	<1.9	<9.2	<9.2	<2.7	<9.2	<9.2	<2.1	<9.2	<9.2	<9.2	<9.2	<8.4	<1.7	<3.5	<2.3	<9.2
B5	3_SB5(0-2)	0-2	7-10	09/19/12	---	---	<8.8	<8.8	<1.8	<8.8	<8.8	<2.5	<8.8	<8.8	<2.0	<8.8	<8.8	<8.8	<8.8	<8.0	1.8 J	<3.3	<2.2	<8.8
B6	3_SB6(0-2)	0-2	7-10	09/19/12	---	---	<8.9	<8.9	<1.8	<8.9	<8.9	<2.6	<8.9	<8.9	<2.0	<8.9	<8.9	<8.9	<8.9	<8.1	<1.7	<3.3	<2.3	<8.9
B7	3_SB7(0-2)	0-2	7-10	09/19/12	---	---	<8.6	<8.6	<1.8	<8.6	<8.6	<2.5	<8.6	<8.6	<2.0	<8.6	<8.6	<8.6	<8.6	<7.9	<1.6	<3.3	<2.2	<8.6
B8	3_SB8(0-2)	0-2	7-10	09/19/12	---	---	<8.7	<8.7	<1.8	<8.7	<8.7	<2.5	<8.7	<8.7	<2.0	<8.7	<8.7	<8.7	<8.7	<8.0	<1.6	<3.3	<2.2	<8.7
B9	3_SB9(0-2)	0-2	7-10	09/19/12	---	---	<8.5	<8.5	<1.7	<8.5	<8.5	<2.5	<8.5	<8.5	<1.9	<8.5	<8.5	<8.5	<8.5	<7.8	<1.6	<3.2	<2.2	<8.5
B10	3_SB10(0-2)	0-2	7-10	09/19/12	---	---	<8.8	<8.8	<1.8	<8.8	<8.8	<2.5	<8.8	<8.8	<2.0	<8.8	<8.8	<8.8	<8.8	<8.0	<1.6	<3.3	<2.2	<8.8
B11	3_SB11(0-2)	0-2	7-10	09/19/12	---	---	<9.0	<9.0	<1.9	<9.0	<9.0	<2.6	<9.0	<9.0	<2.1	<9.0	<9.0	<9.0	<9.0	<8.2	<1.7	<3.4	<2.3	<9.0
B12	3_SB12(0-2)	0-2	7-10	09/19/12	---	---	<8.6	<8.6	<1.8	<8.6	<8.6	<2.5	<8.6	<8.6	<1.9	<8.6	<8.6	<8.6	<8.6	<7.8	<1.6	<3.2	<2.2	<8.6
B13	3_SB13(0-2)	0-2	7-10	09/19/12	---	---	<8.6	<8.6	<1.8	<8.6	<8.6	<2.5	<8.6	<8.6	<2.0	<8.6	<8.6	<8.6	<8.6	<7.8	<1.6	<3.2	<2.2	<8.6
B14	3_SB14(0-2)	0-2	7-10	09/19/12	---	---	<9.0	<9.0	<1.8	<9.0	<9.0	<2.6	<9.0	<9.0	<2.1	<9.0	<9.0	<9.0	<9.0	<8.2	<1.7	<3.4	<2.3	<9.0
B15	3_SB15(0-2)	0-2	7-10	09/19/12	---	---	<8.7	<8.7	<1.8	<8.7	<8.7	<2.5	<8.7	<8.7	<2.0	<8.7	<8.7	<8.7	<8.7	<7.9	<1.6	<3.3	<2.2	<8.7
B16	3_SB16(0-2)	0-2	7-10	09/19/12	---	---	<8.6	<8.6	<1.8	<8.6	<8.6	<2.5	<8.6	<8.6	<2.0	<8.6	<8.6	<8.6	<8.6	<7.8	<1.6	<3.2	<2.2	<8.6
B17	3_SB17(0-2)	0-2	7-10	09/19/12	---	---	<8.5	<8.5	<1.8	<8.5	<8.5	<2.5	<8.5	<8.5	<1.9	<8.5	<8.5	<8.5	<8.5	<7.8	<1.6	<3.2	<2.2	<8.5
B18	3_SB18(0-2)	0-2	7-10	09/19/12	---	---	<8.7	<8.7	<1.8	<8.7	<8.7	<2.5	<8.7	<8.7	<2.0	<8.7	<8.7	<8.7	<8.7	<7.9	<1.6	<3.3	<2.2	<8.7
B19	3_SB19(0-2)	0-2	7-10	09/19/12	---	---	<8.5	<8.5	<1.7	<8.5	<8.5	<2.5	<8.5	<8.5	<1.9	<8.5	<8.5	<8.5	<8.5	<7.8	<1.6	<3.2	<2.2	<8.5
B20	3_SB20(0-2)	0-2	7-10	09/19/12	---	---	<8.7	<8.7	<1.8	<8.7	<8.7	<2.5	<8.7	<8.7	2.3 J	<8.7	<8.7	<8.7	<8.7	<7.9	<1.6	5.5 J	<2.2	<8.7
B21	3_SB21(0-2)	0-2	7-10	09/19/12	---	---	<8.7	<8.7	<1.8	<8.7	<8.7	<2.5	<8.7	<8.7	<2.0	<8.7	<8.7	<8.7	<8.7	<7.9	<1.6	<3.3	<2.2	<8.7

A.2. - Soil Analytical Results Tables - PAHs, Former Leo Tucker Property, Crivitz, Wisconsin

Boring Number	Sample Number	Depth (fbg)	Estimated Depth to Ground-water (fbg)	Date Collected	DRO (mg/kg)	GRO (mg/kg)	Acenaphthalene	Acenaphthylene	Anthracene	Benzo(a) anthracene	Benzo(a) pyrene	Benzo(b) fluoranthene	Benzo(g,h,i) perylene	Benzo(k) fluoranthene	Chrysene	Dibenzo(a,h) anthrancene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	1-Methyl naphthalene	2-Methyl naphthalene	Naphthalene	Phenanthrene	Pyrene
WDNR RCL for Protection from Direct Contact Risk (Non-Industrial)							3,590,000	NE	17,900,000	1,140	115	1,150	NE	11,500	115,000	115	2,390,000	2,390,000	1,150	17,600	239,000	5,520	NE	1,790,000
WDNR RCL for Protection from Direct Contact Risk (Industrial)							45,200,000	NE	100,000,000	20,800	2,110	21,100	NE	211,000	2,110,000	2,110	30,100,000	30,100,000	21,100	72,700	3,010,000	24,100	NE	22,600,000
WDNR RCL for Protection of Groundwater							NE	NE	196,949	NE	470	479	NE	NE	144.6	NE	88,877.8	14,829.9	NE	NE	NE	658.2	NE	54,545.5
							Concentrations (micrograms per kilogram)																	
B22	3_SB22(0-2)	0-2	7-10	09/19/12	---	---	<8.5	<8.5	<1.7	<8.5	<8.5	<2.5	<8.5	<8.5	<1.9	<8.5	<8.5	<8.5	<8.5	<7.8	<1.6	<3.2	<2.2	<8.5
B23	S2301	0-2	7-10	10/25/17	---	---	<5.9	<4.3	<5.5	<4.4	26 J	<7.0	29 J	<9.6	<8.9	<6.3	<6.1	<4.6	<8.5	<8.0	<6.0	<5.0	<4.6	<6.5
B24	S2401	0-2	7-10	10/25/17	---	---	<6.0	<4.4	<5.6	<4.5	<6.5	<7.2	<11	<9.9	<9.1	<6.5	<6.2	<4.7	<8.7	<8.2	<6.2	<5.2	<4.7	<6.7
B26	S2601	0-2	7-10	10/25/17	---	---	<6.0	<4.4	<5.6	<4.5	<6.5	<7.2	<11	<9.9	<9.1	<6.5	<6.2	<4.7	<8.7	<8.2	<6.2	<5.1	<4.7	<6.6
B27	S2701	0-2	7-10	10/25/17	---	---	<5.8	<4.3	<5.4	<4.4	<6.3	<7.0	<10	<9.6	<8.9	<6.3	<6.0	<4.6	<8.4	<7.9	<6.0	<5.0	<4.5	<6.5
B28	S2801	0-2	7-10	10/25/17	---	---	<6.1	<4.5	<5.7	<4.6	<6.6	<7.4	<11	<10	<9.3	<6.6	<6.3	<4.8	<8.8	<8.3	<6.3	<5.2	<4.8	<6.8

Key:

<x = compound not detected to a detection limit of x
--- = not laboratory analyzed
XXX = exceeds WDNR Non-Industrial RCL for direct contact risk
XXX = exceeds WDNR Non-industrial RCL for direct contact risk
XXX = exceeds WDNR RCL for protection of groundwater and/or BTV
NE = not established by WAC (Wis. Adm. Code) or WDNR Soil RCL Summary Table
* = The WDNR has determined state-wide soil BTVs (February 2013).
Therefore, reported values less than BTVs are not considered a direct contact or groundwater pathway concern with
** = sample collected below the observed low water table
"J" = analyte detected between the limit of detection and limit of quantification
iui = instrument units as isobutylene
PID = photoionization detector
RCL = residual contaminant level

Notes:

Soil samples collected prior to 2012 are pre-remedial. Samples collected in 2012 through 2017 are post-remedial
WDNR soil RCL Summary table (June 2018) used to establish RCLs for groundwater protection and direct contact.

A.2. - Soil Analytical Results Tables - Pesticides, Former Leo Tucker Property, Crivitz, Wisconsin

Boring Number	Sample Number	Depth (fbg)	Estimated Depth to Ground-water (fbg)	Date Collected	Pesticides																				
					Aldrin	alpha-BHC	beta-BHC	delta-BHC	gamma-BHC	Chlordane	alpha-Chlordane	gamma-Chlordane	4,4'-DDD	4,4'-DDE	4,4'-DDT	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulfate	Endrin	Endrin aldehyde	Endrin ketone	Heptachlor	Heptachlor epoxide	Methoxychlor	Toxaphene
s. NR 720.09, Wis. Adm. Code RCL					NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
WDNR Proposed RCL for Protection from Direct Contact Risk (Non-Industrial)					40	NE	NE	NE	NE	1,740	NE	NE	1,900	2,000	1,890	34	367,000	NE	NE	19,000	NE	NE	140	72	316,000	493
WDNR Proposed RCL for Protection of Groundwater					NE	NE	NE	NE	NE	542	NE	NE	NE	NE	NE	NE	NE	NE	NE	161.6	NE	NE	66.2	8.2	4,320	928
					Concentrations (micrograms per kilogram)																					
B4	3_SB4(0-2)	0-2	7-10	09/19/12	<0.50	<0.90	<1.3	<0.70	<0.52	<14.0	<0.69	<0.63	<1.7	<1.1	<1.7	<1.3	<0.48	<1.4	<0.91	<1.1	<2.4	<1.5	<0.59	<0.50	<5.5	<24.9
B9	3_SB9(0-2)	0-2	7-10	09/19/12	<0.46	<0.83	<1.2	<0.65	<0.48	<12.9	<0.63	<0.58	<1.5	<1.0	<1.6	<1.2	<0.45	<1.3	<0.84	<0.99	<2.2	<1.3	<0.54	<0.46	<5.1	<23.0
B14	3_SB14(0-2)	0-2	7-10	09/19/12	<0.49	<0.88	<1.2	<0.69	<0.51	<13.8	<0.67	<0.62	<1.6	<1.1	<1.7	<1.3	<0.47	<1.4	<0.89	<1.0	<2.4	<1.4	<0.58	<0.49	<5.4	<24.4
B18	3_SB18(0-2)	0-2	7-10	09/19/12	<0.47	<0.85	<1.2	<0.66	<0.49	<13.2	<0.65	<0.59	<1.6	<1.0	<1.6	<1.2	<0.46	<1.3	<0.86	<1.0	<2.3	<1.4	<0.55	<0.47	<5.2	<23.5
B21	3_SB21(0-2)	0-2	7-10	09/19/12	<0.47	<0.85	<1.2	<0.66	<0.49	<13.2	<0.65	<0.59	<1.6	<1.0	<1.6	<1.2	<0.46	<1.3	<0.86	<1.0	<2.3	<1.4	<0.55	<0.47	<5.2	<23.5

Key:

fbg = feet below grade
NE = not established by Wisconsin Administrative Code (Wis. Adm. Code)
RCL = residual contaminant level
WDNR = Wisconsin Department of Natural Resources
XXX = concentration exceeds section NR 720.09, Wis. Adm. Code RCL for protection from direct contact risk (non-industrial)
XXX = concentration exceeds WDNR proposed RCL for protection from direct contact (non-industrial)
XXX = concentration exceeds WDNR proposed RCL for protection of groundwater (non-industrial)
--- = Not Analyzed

Notes: Soil samples collected prior to 2012 are pre-remedial. Samples collected in 2012 through 2017 are post-remedial
WDNR soil RCL Summary table (June 2018) used to establish RCLs for groundwater protection and direct contact.
All analyzed samples were soil samples unless otherwise noted. All concentrations are dry weight corrected.

A.3 - Residual Soil Contamination Tables - RCRA Metals and PCBs, Former Leo Tucker Property, Crivitz, Wisconsin

Boring Number	Sample Number	Depth (fbg)	Date Collected	RCRA Metals (mg/kg)								Polychlorinated Biphenyls (PCBs) (mg/kg)							
				Arsenic (total)	Barium (total)	Cadmium (total)	Chromium (total) ++	Lead (total)	Mercury (total)	Selenium (total)	Silver (total)	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
WDNR RCL for Protection from Direct Contact Risk (Non-Industrial)				**8*** [0.677]	15,300	71.1	NE	400	3.13	391	391	4.11	0.213	0.19	0.235	0.236	0.239	0.243	0.234
WDNR RCL for Protection from Direct Contact Risk (Industrial)				**8*** [3.00]	100,000	799	NE	800	3.13	5,840	5,840	28	0.883	0.792	0.972	0.975	0.988	1	0.967
WDNR RCL for Protection of Groundwater				**8*** [0.584]	**364*** [164.8]	**1*** [0.752]	360,000	**52*** [27]	0.208	0.52	0.85	NE	NE	NE	NE	NE	NE	NE	0.0094
Background Threshold (BVT)				8	364	1	44	52	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
				Concentrations (milligrams per kilogram)															
B26	S2601	0-2	10/25/17	1.1	19	0.13 J	8.7	**130**	<0.0056	<0.59	<0.13	<0.0059	<0.0074	<0.0073	<0.0055	<0.0066	<0.0036	<0.0082	<0.0445

Key:

- <x = compound not detected to a detection limit of x
- --- = not laboratory analyzed
- **XX*** [XXX] = standard in bold are background threshold values (BTVs) being utilized for the purpose of evaulation under ch. NR700 WAC. The established WAC RCL is noted in brackets.
- **XXX** = exceeds WDNR Non-Industrial RCL for direct contact risk
- XXX = exceeds WDNR Industrial RCL for direct contact risk
- **XXX** = exceeds WDNR RCL for protection of groundwater and/or BTV
- NE = not established by WAC (Wis. Adm. Code) or WDNR Soil RCL Summary Table
- * = The WDNR has determined state-wide soil BTVs (February 2013). Therefore, reported values less than BTVs are not considered a direct contact or groundwater pathway concern with respect to site releases requiring further remediation action. However, the detection could represent a personal health risk if detected above health based standards.
- ** = sample collected below the observed low water table
- "J" = analyte detected between the limit of detection and limit of quantification
- iui = instrument units as isobutylene
- PID = photoionization detector
- RCL = residual contaminant level
- NE = not established by Wisconsin Administrative Code (Wis. Adm. Code)
- RCRA = Resource Conservation and Recovery Act
- fbg = feet below grade

Notes: WDNR soil RCL Summary table (June 2018) used to establish RCLs for groundwater protection and direct contact. For the purpose of this evaluation under ch. NR 700, background threshold values are being considered as representative of background conditions. However, constituent concentrations less than background threshold values may represent a potential health risk if concentrations are greater than health-based standards.

A.4. Vapor Analytical Tables

No vapor analytical samples taken at the Site

A.5. Other Media of Concern

No other media was of concern at the Site

TABLE 1
WATER LEVEL DATA
SUPPLEMENTAL SITE INVESTIGATION REPORT, FORMER LEO TUCKER PROPERTY

Well ID	Ground Surface Elevation (Feet)	Reference Point Elevation (feet)	Top - Bottom Well Screen (fbg)	Measure-ment Date	Depth to Water (feet below top of riser)	Depth to Water (fbg)	Water Table Elevation (feet above site datum)
MW1	100.41	103.45	6 - 16 fbg	11/08/12	13.05	10.01	90.40
MW2	99.24	102.32	6 - 16 fbg	11/08/12	12.26	9.18	90.06
MW3	97.25	100.39	6 - 16 fbg	11/08/12	10.71	7.57	89.68
MW4	98.13	101.09	6 - 16 fbg	11/08/12	11.66	8.70	89.43

Note: 1) Arbitrary Site Datum Elevation of 100 feet Utilized
fbg = Feet Below Grade

A.7. Other

No other data available or relevant to case closure request.

B. Maps, Figures, and Photos

SCALE IN FEET

1" = 2000'

0 1000 2000 3000 4000 5000 6000 7000 8000

N

CONTOUR INTERVAL 10 FEET

NATIONAL GEODETIC VERTICAL DATUM OF 1929

QUADRANGLE LOCATION

BASE MAP SOURCE: USGS 7.5 MINUTE QUADRANGLE, CRIVITZ, WISCONSIN, 1973 (NATIONAL GEOGRAPHIC HOLDINGS, INC.)

Stantec

1165 Scheuring Road, De Pere, Wisconsin 54115
Phone: 920-592-8400 Fax: 920-592-8444

LOCATION MAP

FORMER LEO TUCKER PROPERTY
N6817 LEFT FOOT ROAD
CRIVITZ, WISCONSIN

ATE: 06/28/18	DRAWN BY: JRB	PROJECT MANAGER: LPC	PROJECT NUMBER: 193705745	FIGURE B.1.a.

N

SCALE IN FEET

50 0 50 100

LEGEND

APPROXIMATE PROPERTY LINE

PRIVATE WELL LOCATION

MW1 FORMER MONITORING WELL LOCATION

Stantec

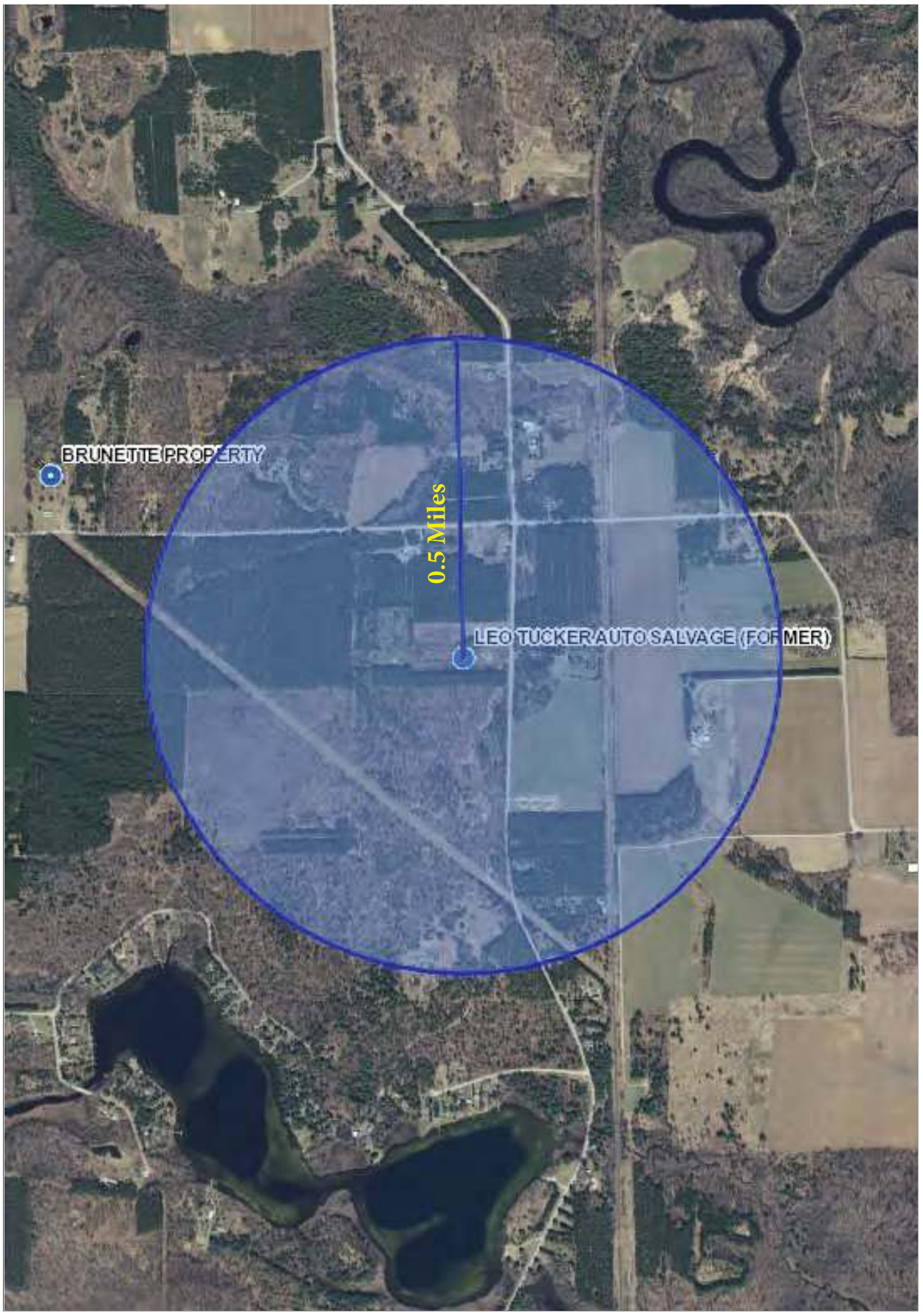
1165 Scheuring Road, De Pere, Wisconsin 54115
Phone: 920-592-8400 Fax: 920-592-8444

DETAILED SITE MAP

FORMER LEO TUCKER PROPERTY
N6817 LEFT FOOT ROAD
CRIVITZ, WISCONSIN

DATE: 07/12/18	DRAWN BY: JRB	PROJECT MANAGER: LPC	PROJECT NUMBER: 193705745	FIGURE B.1.b.

B.1.c. - RR Sites Map



Legend

- Open Site (ongoing cleanup)
- Closed Site (completed cleanup)

0.5 0 Distance / 2 0.5 Miles

1: 15,840

NAD_1983_HARN_Wisconsin_TM

Note: Not all sites are mapped.

Notes

Source property and all open and closed BRRTS cases within 0.5 miles.

N

SCALE IN FEET

50 0 50 100

LEGEND

APPROXIMATE PROPERTY LINE

ESTIMATED EXTENT OF SOIL CONTAMINATION EXCEEDING NR 720 GROUNDWATER PATHWAY RCL

3_SB1 SOIL BORING LOCATION

SB23 HAND AUGER SOIL BORING LOCATION ON 10/25/17

Stantec

1165 Scheuring Road, De Pere, Wisconsin 54115
Phone: 920-592-8400 Fax: 920-592-8444

SOIL CONTAMINATION

FORMER LEO TUCKER PROPERTY
N6817 LEFT FOOT ROAD
CRIVITZ, WISCONSIN

DATE: 07/12/18	DRAWN BY: JRB	PROJECT MANAGER: LPC	PROJECT NUMBER: 193705745	FIGURE B.2.a.

N

SCALE IN FEET

50 0 50 100

LEGEND

APPROXIMATE PROPERTY LINE

ESTIMATED EXTENT OF SOIL CONTAMINATION EXCEEDING NR 720 GROUNDWATER PATHWAY RCL

3_SB1 SOIL BORING LOCATION

SB23 HAND AUGER SOIL BORING LOCATION ON 10/25/17

Stantec

1165 Scheuring Road, De Pere, Wisconsin 54115
Phone: 920-592-8400 Fax: 920-592-8444

RESIDUAL SOIL CONTAMINATION

FORMER LEO TUCKER PROPERTY
N6817 LEFT FOOT ROAD
CRIVITZ, WISCONSIN

DATE: 07/12/18	DRAWN BY: JRB	PROJECT MANAGER: LPC	PROJECT NUMBER: 193705745	FIGURE B.2.b

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

No geologic cross-section figure was created as all soil across the Site consisted of homogeneous fine-grained sand.

B.3.b. Groundwater Isoconcentration

No groundwater contamination identified at the Site

N

SCALE IN FEET

50 0 50 100

LEGEND

APPROXIMATE PROPERTY LINE

MW1 90.40 — MONITORING WELL LOCATION AND GROUNDWATER ELEVATION ON 11/08/12

90.00 — GROUNDWATER CONTOUR LINE: DASHED WHERE INFERRED CONTOUR LINE INTERVAL = 0.05 FEET

GROUNDWATER FLOW DIRECTION

Stantec

1165 Scheuring Road, De Pere, Wisconsin 54115
Phone: 920-592-8400 Fax: 920-592-8444

GROUNDWATER FLOW DIRECTION

FORMER LEO TUCKER PROPERTY
N6817 LEFT FOOT ROAD
CRIVITZ, WISCONSIN

DATE:	DRAWN BY:	PROJECT MANAGER:	PROJECT NUMBER:	FIGURE
07/12/18	JRB	LPC	193705745	B.3.c.

N

SCALE IN FEET

50 0 50 100

LEGEND

APPROXIMATE PROPERTY LINE

PRIVATE WELL LOCATION

MW1 FORMER MONITORING WELL LOCATION (ABANDONED)

Stantec

1165 Scheuring Road, De Pere, Wisconsin 54115
Phone: 920-592-8400 Fax: 920-592-8444

MONITORING WELLS

FORMER LEO TUCKER PROPERTY
N6817 LEFT FOOT ROAD
CRIVITZ, WISCONSIN

DATE: 07/12/18	DRAWN BY: JRB	PROJECT MANAGER: LPC	PROJECT NUMBER: 193705745	FIGURE B.3.d.

B.4.a. Vapor Intrusion Map

No vapor intrusion data collected for the Property based on the pre and post remedial soil and groundwater results and the current and future use of the site as a vacant rural lot. Contaminants previously encountered on the Property primarily consisted of non-volatile chemical constituents.

B.4.b. Other Media of Concern

Not Applicable - No sediment or surface water exists on the Property.

B.4.c. Other

Well Contstruction Reports for potable wells within 1,200 feet of the Property.

B.4.c. - Other

Well Construction Report For WISCONSIN UNIQUE WELL NUMBER UK810

State of WI - Private Water Systems - DG/2
Department of Natural Resources, Box 7921
Madison, WI 53707
Please type or Print using a black Pen
Please Use Decimals Instead of Fractions.

Form 3300-77A
(R 8/00)

Property Owner: GUARISCO, JOHN
Telephone Number: 715-856-5777
Mailing Address: 117 N HWY 141
City: CRIVITZ
State: WI
Zip Code: 54114
County of Well Location: Marinette
County Well Permit No.: W
Well Completion Date: 10/15/2007

1. Well Location: [X] Town [ ] City [ ] Village of STEPHENSON
Fire # (if available): W8183
Grid or Street Address or Road Name and Number: AIRPORT RD
Subdivision Name | Lot # | Block #

Well Constructor (Business Name): LUISIER WELL DRILLING INC
License #: 157
Facility ID Number (Public Wells)
Address: 220 HANK MARKS DR
Public Well Plan Approval # W--
City: OCONTO FALLS
State: WI
Zip Code: 54154-1078
Date of Approval (mm/dd/yyyy)
Hicap Permanent well #
Common Well #
Specific Capacity: .5 gpm/ft

Gov't Lot # or NW 1/4 of NE 1/4 of
Section 33 T 32 N; R 20 [X] E [ ] W
Latitude Deg. Min.
Longitude Deg Min.

2. Well Type: [X] New [ ] Replacement [ ] Reconstruction
Lat/Long Method
of previous unique well # constructed in
Reason for replaced or Reconstructed Well?

3. Well serves 1 # of homes and or (e.g. barn, restaurant, church, school, industry, etc.)
High capacity Well? [ ] Yes [X] No
Property? [ ] Yes [X] No

[X] Drilled [ ] Driven Point [ ] Jetted [ ] Other:

4. Is the well located upslope or sideslope and not downslope from any contamination source, including those on neighboring properties? [ ] Yes [ ] No
Well located within 1,200 feet of a quarry? [ ] Yes [X] No If yes, distance in feet from quarry:
Well located in floodplain? [ ] Yes [X] No

Distance in Feet from Well to Nearest:
1. Landfill
13 2. Building Overhang
57 3. Septic [X] Holding Tank [ ]
68 4. Sewage Absorption Unit
5. Nonconforming Pit
6. Buried Home Heating Oil Tank
7. Buried Petroleum Tank
8. Shoreline [ ] Swimming Pool [ ]
9. Downspout/Yard Hydrant
10. Privy
11. Foundation Drain to Clearwater
12. Foundation Drain to Sewer
13. Building Drain [ ] Cast Iron or Plastic [ ] Other
14. Building Sewer [ ] Gravity [ ] Pressure [ ] Cast Iron or Plastic [ ] Other
15. Collector or Street Sewer: [ ] Sanitary [ ] Storm units in. diam. [ ] =< 6 [ ] > 6
16. Clearwater Sump
17. Wastewater Sump
18. Paved Animal Barn Pen
19. Animal Yard or Shelter
20. Silo
21. Barn Gutter
22. Manure Pipe [ ] Gravity [ ] Pressure [ ] Cast Iron or Plastic [ ] Other
23. Other Manure Storage
24. Ditch
25. Other NR 812 Waste Storage

5. Drillhole Dimensions and Construction Method

Dia (in.)	From (ft.)	To (ft.)
8.75	0	107
6	107	110

Upper Enlarged Drillhole / Lower Open Bedrock
[X] ---1. Rotary - Mud Circulation----------
[ ] ---2. Rotary - Air----------
[ ] ---3. Rotary - Air and Foam----------
[ ] ---4.Drill-Through Casing Hammer
[ ] ---5. Reverse Rotary
[ ] ---6. Cable-tool Bit in. dia------
[ ] 7. Dual Rotary
[ ] 8. Temp. Outer Casing in. dia. depth (ft)
Removed? [ ] Yes [ ] No
If no, why not?

8. Geology

Type, Caving/Noncaving, Color, Hardness, etc	From (ft.)	To (ft.)
--S- SAND	0	28
--C- CLAY	28	96
--S- SAND	96	110

6. Casing, Liner, Screen

Dia. (in.)	Material, Weight, Specification	From (ft.)	To (ft.)
6	NEW P.E. 18.97 IPSCO A-53	0	107
5	12 SLOT S.S. SCREEN	107	110

9. Static Water Level
ft. above ground surface
18 ft. below ground surface

10. Pump Test
Pumping Level 60 ft. below surface
Pumping at 20 GPM for .5 hours

11. Well is: [X] Above Grade 24 in. [ ] Below Grade
Developed? [X] Yes [ ] No
Disinfected? [X] Yes [ ] No
Capped? [X] Yes [ ] No

7. Grout or Other Sealing Material. Method
Method:

Kind of Sealing Material	From (ft.)	To (ft.)	# Sacks Cement
DRILL CUTTINS	0	107	

12. Did you notify the owner of the need to permanently abandon and fill all unused wells on this property? [ ] Yes [ ] No If no, explain:

13. Signature of the Well Constructor or Supervisory Driller: JM — Date signed: 11/08/2007
Signature of Drill Rig Operator (Mandatory unless same as above): JS — Date signed: 10/15/2007

Make additional comments on reverse side about geology, additional screens, water quality, etc.
Variance issued [ ] Yes [X] No

B.4.c - Other

Well Construction Report For WISCONSIN UNIQUE WELL NUMBER YW877

State of WI - Private Water Systems - DG/2
Department of Natural Resources, Box 7921
Madison, WI 53707
Please type or Print using a black Pen
Please Use Decimals Instead of Fractions.

Form 3300-77A
(R 8/00)

Property Owner: **KADRLIK, BOB**
Telephone Number: **715-854-8281**
Mailing Address: **W8363 AIRPORT RD**
City: **CRIVITZ**
State: **WI**
Zip Code: **54114**
County of Well Location: **Marinette**
County Well Permit No.: **W**
Well Completion Date: **09/01/2017**

1. Well Location: [X] Town [ ] City [ ] Village of **STEPHENSON**
Fire # (if available): **W8363**
Grid or Street Address or Road Name and Number: **AIRPORT RD**
Subdivision Name | Lot # | Block #

Well Constructor (Business Name): **DOUGLAS J MORIN**
License #: **6311**
Facility ID Number (Public Wells):
Address: **MORIN AND JOHNSON WELL DRLG & PUM**
Public Well Plan Approval #: **W--**
City: **NIAGARA**
State: **WI**
Zip Code: **54151**
Date of Approval (mm/dd/yyyy):
Hicap Permanent well #:
Common Well #:
Specific Capacity: **1.3** gpm/ft

Gov't Lot # or **NW** 1/4 of **NW** 1/4 of
Section **33** T **32** N; R **20** [X] E [ ] W
Latitude Deg. **45** Min. **12.57**
Longitude Deg **88** Min. **1.038**

2. Well Type: [X] Replacement [ ] New [ ] Reconstruction
Lat/Long Method: **GPS008**
of previous unique well # constructed in
Reason for replaced or Reconstructed Well? **CUSTOMER WANTED A DRILLED WELL**

3. Well serves **1** # of homes and or (e.g. barn, restaurant, church, school, industry, etc.)
High capacity Well? [ ] Yes [X] No
Property? [ ] Yes [X] No

[X] Drilled [ ] Driven Point [ ] Jetted [ ] Other:

4. Is the well located upslope or sideslope and not downslope from any contamination source, including those on neighboring properties? [ ] Yes [ ] No
Well located within 1,200 feet of a quarry? [ ] Yes [ ] No If yes, distance in feet from quarry:
Well located in floodplain? [ ] Yes [X] No
Distance in Feet from Well to Nearest:
1. Landfill
2. Building Overhang
80 3. Septic [ ] Holding Tank [ ]
90 4. Sewage Absorption Unit
5. Nonconforming Pit
6. Buried Home Heating Oil Tank
7. Buried Petroleum Tank
8. Shoreline [ ] Swimming Pool [ ]
9. Downspout/Yard Hydrant
10. Privy
11. Foundation Drain to Clearwater
12. Foundation Drain to Sewer
13. Building Drain [ ] Cast Iron or Plastic [ ] Other
50 14. Building Sewer [X] Gravity [ ] Pressure [ ] Cast Iron or Plastic [X] Other
15. Collector or Street Sewer: [ ] Sanitary [ ] Storm units in. diam. [ ] =< 6 [ ] > 6
16. Clearwater Sump
17. Wastewater Sump
18. Paved Animal Barn Pen
19. Animal Yard or Shelter
20. Silo
21. Barn Gutter
22. Manure Pipe [ ] Gravity [ ] Pressure [ ] Cast Iron or Plastic [ ] Other
23. Other Manure Storage
24. Ditch
25. Other NR 812 Waste Storage

5. Drillhole Dimensions and Construction Method

Dia (in.)	From (ft.)	To (ft.)
6	0	43

Upper Enlarged Drillhole / Lower Open Bedrock
[ ] ---1. Rotary - Mud Circulation----------
[X] ---2. Rotary - Air----------
[ ] ---3. Rotary - Air and Foam----------
[ ] ---4.Drill-Through Casing Hammer
[ ] ---5. Reverse Rotary
[ ] ---6. Cable-tool Bit in. dia------
[ ] 7. Dual Rotary
[ ] 8. Temp. Outer Casing in. dia. depth (ft)
Removed? [ ] Yes [ ] No
If no, why not?

8. Geology

Type, Caving/Noncaving, Color, Hardness, etc	From (ft.)	To (ft.)
--S- SAND	0	43

6. Casing, Liner, Screen

Dia. (in.)	Material, Weight, Specification	From (ft.)	To (ft.)
6	18.97 LB/FT ASTM A53B IPSCO	0	40

Dia. (in.)	Screen type, material & slot size		
6	TELESCOPING STAINLESS 15 SLOT	40	43

9. Static Water Level
ft. above ground surface
10 ft. below ground surface

10. Pump Test
Pumping Level **30** ft. below surface
Pumping at **25** GPM for **1** hours

11. Well is: [X] Above Grade **18** in. [ ] Below Grade
Developed? [X] Yes [ ] No
Disinfected? [X] Yes [ ] No
Capped? [X] Yes [ ] No

7. Grout or Other Sealing Material. Method
Method: **MOUNDED GRANULAR**

Kind of Sealing Material	From (ft.)	To (ft.)	# Sacks Cement
GRANULAR BENTONITE	0	40	3

12. Did you notify the owner of the need to permanently abandon and fill all unused wells on this property?
[X] Yes [ ] No If no, explain:

13. Signature of the Well Constructor or Supervisory Driller: **DM** Date signed: **10/05/2017**
Signature of Drill Rig Operator (Mandatory unless same as above): **BD** Date signed: **10/24/2017**

Make additional comments on reverse side about geology, additional screens, water quality, etc.
Variance issued [ ] Yes [X] No

B.4.c. - Other

Well Construction Report For WISCONSIN UNIQUE WELL NUMBER TW276

State of WI - Private Water Systems - DG/2
Department of Natural Resources, Box 7921
Madison, WI 53707
Please type or Print using a black Pen
Please Use Decimals Instead of Fractions.

Form 3300-77A
(R 8/00)

Property Owner: **HIDE-A-WAY BUILDERS**
Telephone Number: **715-854-7011**
Mailing Address: **N7189 HIDE A WAY LN**
City: **CRIVITZ**
State: **WI**
Zip Code: **54114**
County of Well Location: **Marinette**
County Well Permit No.: **W**
Well Completion Date: **09/05/2006**

1. Well Location: [X] Town [ ] City [ ] Village of **STEPHENSON**
Fire # (if available):
Grid or Street Address or Road Name and Number: **LEFT FOOT LAKE RD**
Subdivision Name / Lot # / Block #:

Well Constructor (Business Name): **LUISIER WELL DRILLING INC**
License #: **157**
Facility ID Number (Public Wells):
Address: **220 HANK MARKS DR**
Public Well Plan Approval #: **W--**
City: **OCONTO FALLS**
State: **WI**
Zip Code: **54154-1078**
Date of Approval (mm/dd/yyyy):
Hicap Permanent well #:
Common Well #:
Specific Capacity: **.7** gpm/ft

Gov't Lot # / or **SW** 1/4 of **NE** 1/4 of
Section **33** T **32** N; R **20** [X] E [ ] W
Latitude Deg. Min.
Longitude Deg Min.

2. Well Type: [ ] Replacement [X] New [ ] Reconstruction
Lat/Long Method:
of previous unique well # constructed in
Reason for replaced or Reconstructed Well?

3. Well serves **1** # of homes and or (e.g. barn, restaurant, church, school, industry, etc.)
High capacity Well? [ ] Yes [X] No
Property? [ ] Yes [X] No

[X] Drilled [ ] Driven Point [ ] Jetted [ ] Other:

4. Is the well located upslope or sideslope and not downslope from any contamination source, including those on neighboring properties? [X] Yes [ ] No
Well located within 1,200 feet of a quarry? [ ] Yes [X] No If yes, distance in feet from quarry:
Well located in floodplain? [ ] Yes [X] No

Distance in Feet from Well to Nearest:
1. Landfill
44 2. Building Overhang
49 3. Septic [X] Holding Tank [ ]
63 4. Sewage Absorption Unit
5. Nonconforming Pit
6. Buried Home Heating Oil Tank
7. Buried Petroleum Tank
8. Shoreline [ ] Swimming Pool [ ]
9. Downspout/Yard Hydrant
10. Privy
11. Foundation Drain to Clearwater
12. Foundation Drain to Sewer
13. Building Drain [ ] Cast Iron or Plastic [ ] Other
14. Building Sewer [ ] Gravity [ ] Pressure [ ] Cast Iron or Plastic [ ] Other
15. Collector or Street Sewer: [ ] Sanitary [ ] Storm units in. diam. [ ] =< 6 [ ] > 6
16. Clearwater Sump
17. Wastewater Sump
18. Paved Animal Barn Pen
19. Animal Yard or Shelter
20. Silo
21. Barn Gutter
22. Manure Pipe [ ] Gravity [ ] Pressure [ ] Cast Iron or Plastic [ ] Other
23. Other Manure Storage
24. Ditch
25. Other NR 812 Waste Storage

5. Drillhole Dimensions and Construction Method

Dia (in.)	From (ft.)	To (ft.)
8.75	**0**	**40**
6	**40**	**122**

Upper Enlarged Drillhole / Lower Open Bedrock
[X] ---1. Rotary - Mud Circulation---------- [ ]
[ ] ---2. Rotary - Air---------- [ ]
[ ] ---3. Rotary - Air and Foam---------- [X]
[ ] ---4.Drill-Through Casing Hammer
[ ] ---5. Reverse Rotary
[ ] ---6. Cable-tool Bit in. dia------ [ ]
[ ] 7. Dual Rotary [ ]
[ ] 8. Temp. Outer Casing in. dia. depth (ft)
Removed? [ ] Yes [ ] No
If no, why not?

8. Geology

Type, Caving/Noncaving, Color, Hardness, etc		From (ft.)	To (ft.)
--SM	**SILTY SAND**	**0**	**15**
--N-	**SANDSTONE**	**15**	**122**

6. Casing, Liner, Screen

Dia. (in.)	Material, Weight, Specification	From (ft.)	To (ft.)
6	**NEW PE 18.97 WHEATLAND A-53**	**0**	**40**

Dia. (in.)	Screen type, material & slot size		

9. Static Water Level
ft. above ground surface
18 ft. below ground surface

10. Pump Test
Pumping Level **60** ft. below surface
Pumping at **30** GPM for **1** hours

11. Well is: [X] Above Grade **24** in. [ ] Below Grade
Developed? [X] Yes [ ] No
Disinfected? [X] Yes [ ] No
Capped? [X] Yes [ ] No

7. Grout or Other Sealing Material. Method
Method: **TREMIE PIPE PUMPED**

Kind of Sealing Material	From (ft.)	To (ft.)	# Sacks Cement
PORTLAND CEMENT	**0**	**40**	**6**

12. Did you notify the owner of the need to permanently abandon and fill all unused wells on this property? [ ] Yes [ ] No If no, explain:

13. Signature of the Well Constructor or Supervisory Driller: **JM** Date signed: **09/18/2006**
Signature of Drill Rig Operator (Mandatory unless same as above): **AN** Date signed: **09/05/2006**

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

Variance issued [ ] Yes [X] No

B.5. Structural Impediment Photos

No structural impediments were encountered or hindered investigation of the Property.

C. Documentation of Remedial Actions

C.1. Site Investigation Documentation

All site investigation documentation has been submitted prior.

C.2. Investigative Waste

Investigative waste disposed onsite upon receipt of analytical results.

C.3. Description of Methodology

Methodology used and residual contaminant levels determined using WDNR departmental RCL spreadsheets.

C.4. Construction Documentation

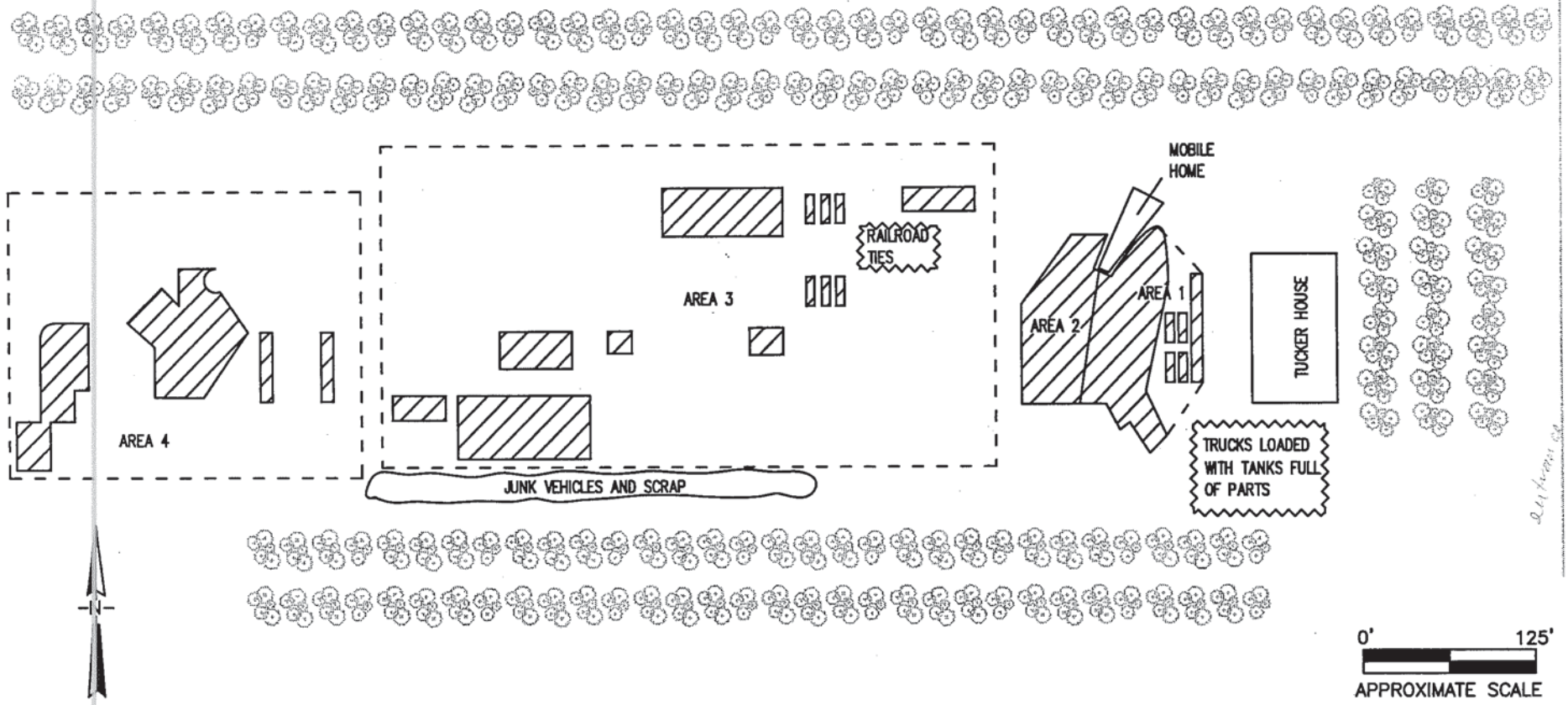
No construction documentation or as-built reports for the Site.

C.5. Decommissioning of Remedial Systems

No remediation system built for Site.

C.6. Other

Areas of EPA remedial excavation of the Property.



Legend

Area of Excavation

Treeline

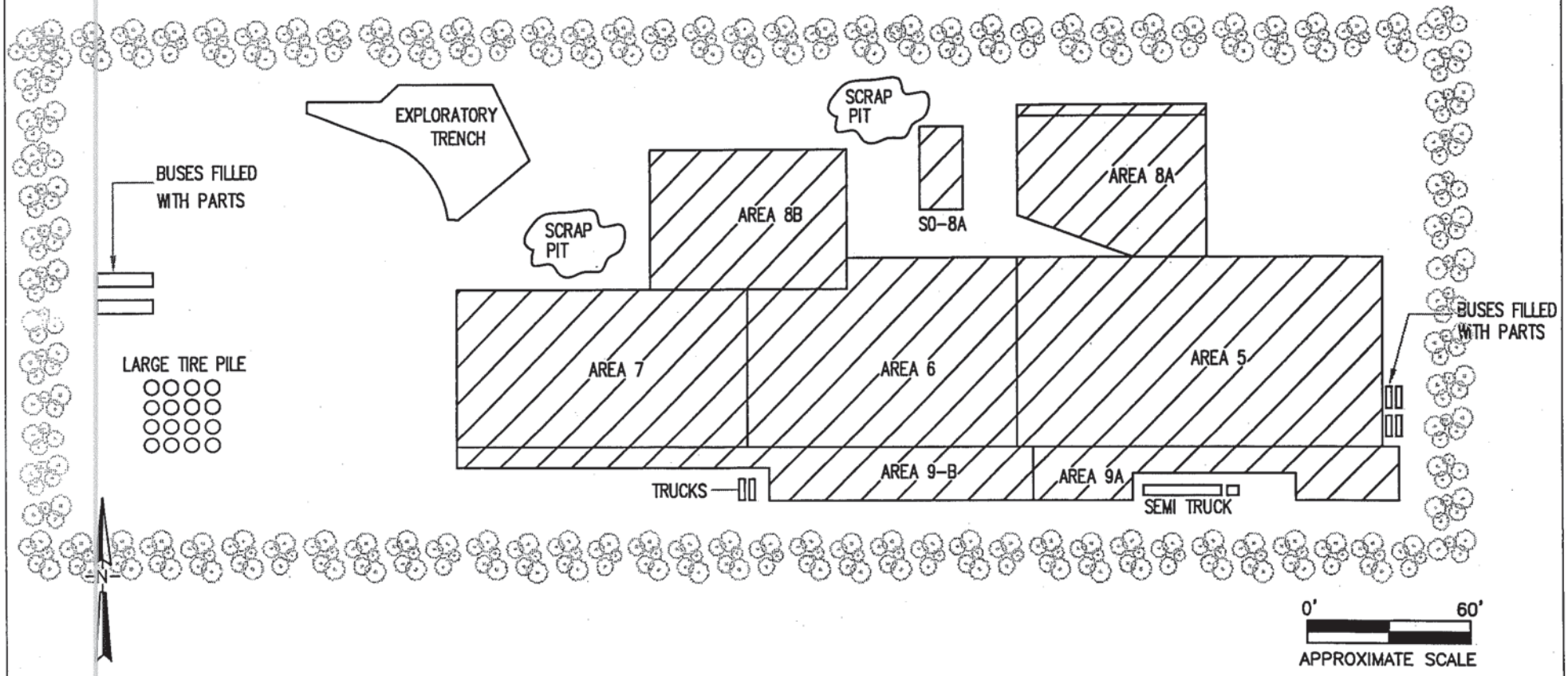
FIGURE 2

c:\chicagoCAD\tuck2.dwg	Designed by: EDI	Drawn By: EDI	Checked by: GG	Approved by: GG

EPA

Region 5
77 West Jackson Blvd.
Chicago, Illinois
60604

EAST SECTION—EXCAVATION FEATURES MAP
LEO TUCKER SITE
U.S. EPA
Crivitz, Wisconsin



Legend

Area of Excavation

Treeline

FIGURE 3

c:\chicagoCAD\tuck3.dwg	Designed by: EDI	Drawn By: EDI	Checked by: GG	Approved by: GG

EPA

Region 5
77 West Jackson Blvd.
Chicago, Illinois
60604

WEST SECTION–EXCAVATION FEATURES MAP
LEO TUCKER SITE
U.S. EPA
Crivitz, Wisconsin

D. Maintenance Plans and Photographs

D.1. Descriptions of Maintenance Actions

No continuing obligations necessary following the remedial actions taken on the Property.

D.2. Location Maps

Not Applicable - No continuing obligations necessary following the remedial actions taken at the Property

D.3. Photographs

Not Applicable - No continuing obligations, covers or barriers necessary following the remedial actions taken on the Property.

D.4. Inspection Logs

Not Applicable - No continuing obligations or inspections necessary following the remedial actions taken on the Property.

E. Monitoring Well Information

E. Monitoring Well Information

All monitoring wells have been located and will be previously abandoned.

F. Source Legal Documents

F.1. Deed

DOC. #: 793893
RENEE MILLER
MARINETTE COUNTY
REGISTER OF DEEDS
May 29, 2015 2:18 PM
Fee Amount: $30.00
Fee Exempt: 77.25-(*2)

State Bar of Wisconsin Form 3-2003
QUIT CLAIM DEED

Document Number | Document Name

THIS DEED, made between MARINETTE COUNTY, WISCONSIN, a body corporate, duly organized and operating in accordance with Sec 59 01 of the Wis Stats., ("Grantor," whether one or more), and KEVIN L. KAMINSKI and HOLLY J. KAMINSKI, husband and wife, ("Grantee," whether one or more).

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

The North Half of the South Quarter of the Northeast Quarter of the Northwest Quarter (N1/2 of S1/4 of NE1/4 of NW1/4) of Section Thirty-three (33), Township Thirty-two (32) North, Range Twenty (20) East, situate in the Town of Stephenson, Marinette County, Wisconsin EXCEPTING THEREFROM Left Foot Lake Road.

Exempt from transfer tax return and transfer tax in accordance with Sec 77 25(2), Wis Stats

Recording Area 30 INV ID

Name and Return Address

Kevin L Kaminski and Holly J Kaminski
1553 Emerald Court
Green Bay, WI 54311

032-02961.000
Parcel Identification Number (PIN)

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

TRANSFER
$ DX*2
FEE
MARINETTE
COUNTY

Dated May 28, 2015

MARINETTE COUNTY
Katherine K Brandt (SEAL)
* by Katherine K Brandt, County Clerk

* (SEAL)

* (SEAL)

* (SEAL)

AUTHENTICATION

Signature(s)

authenticated on

*

TITLE MEMBER STATE BAR OF WISCONSIN
(If not, authorized by Wis. Stat § 706 06)

THIS INSTRUMENT DRAFTED BY

Gale Mattison, Corporation Counsel, Courthouse-1926 Hall Ave , Marinette, WI 54143 Phone: 715-732-7435

ACKNOWLEDGMENT

STATE OF WISCONSIN)
) ss
MARINETTE COUNTY)

Personally came before me on May 28, 2015,
the above-named Katherine K Brandt, County Clerk for Marinette County
to me known to be the person(s) who executed the foregoing instrument and acknowledged the same

Cathleen C Polzin
* Cathleen C Polzin

Notary Public, State of Wisconsin
My term of office (expires: 12/28/2018

CATHLEEN C. POLZIN
NOTARY
PUBLIC
STATE OF WISCONSIN

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

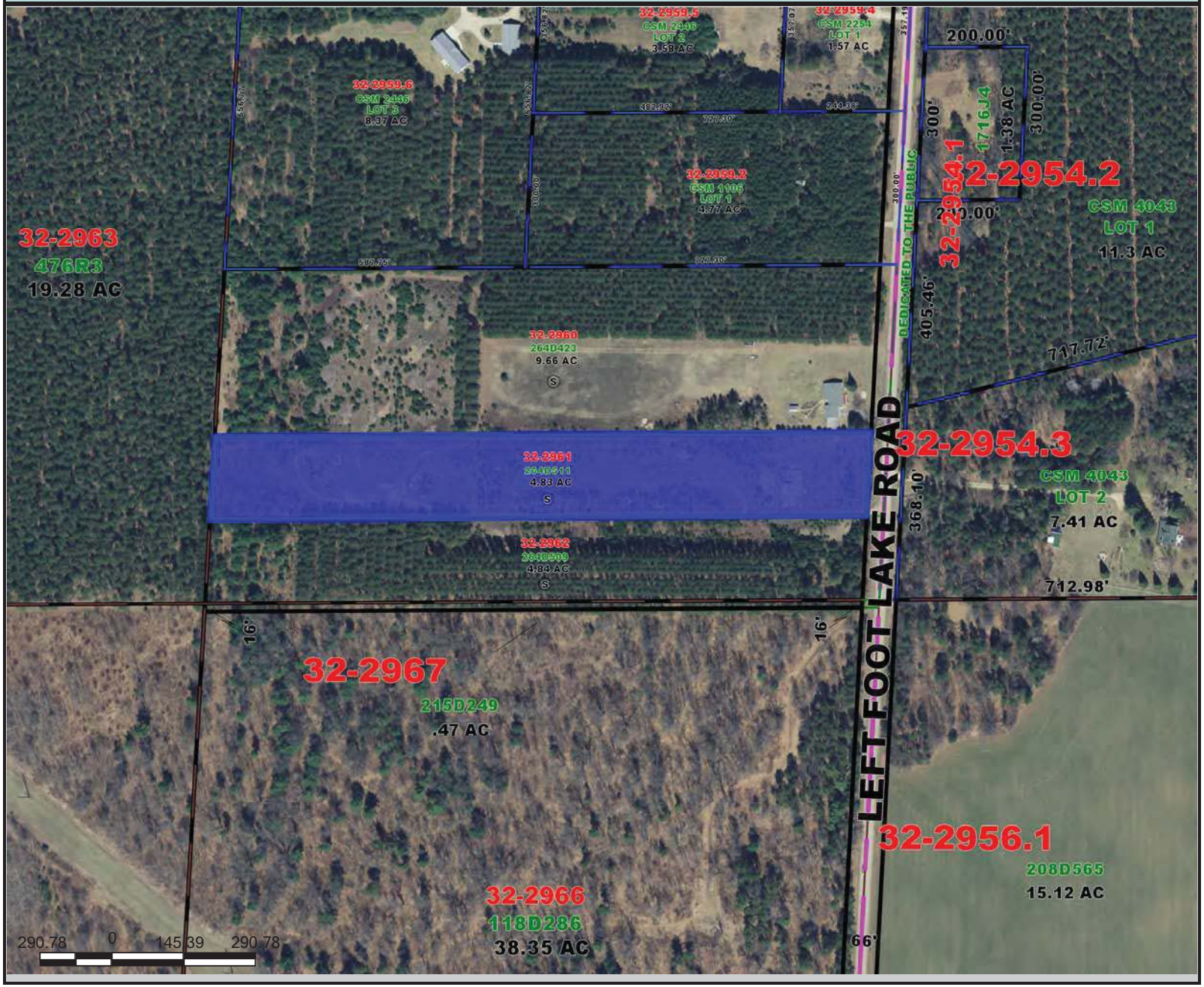
NOTE: THIS IS A STANDARD FORM. ANY MODIFICATIONS TO THIS FORM SHOULD BE CLEARLY IDENTIFIED.

QUIT CLAIM DEED FORM NO. 3-2003

* Type name below signatures

F.2. Certified Survey Map

Leo Tucker Auto Salvage (Former)



Notice/Disclaimer: The land records site is intended to be a general guide to property and land information, and does not represent a survey of real property nor should be used or referenced to for conveyance of real property, guaranteeing title thereto or making official determinations of building development, permitting or other activity. Contact the appropriate County Department to obtain original source documents or for official determinations. This information has been developed from various sources and although efforts have been made to ensure accuracy and reliability; erros, omissions and varaible conditions originating from compilation and sources used to develop the information may be reflected herein. In addition, land information is constantly changing and the most current or accurate data might not be represented. The information accessible through this site is represented "as is" without warranty of any kind, either expressed or implied, or statutory, including, but not limited to, the implied warranties or merchantability and fitness for a particular purpose. No guarantee of accuracy, completeness or currentness is granted nor is any responsiblity for reliance thereon assumed. The user assumes the entire risk as to the quality, use and reliability of the entire information. Marinette County does not accept any liability for damages or misrepresentation of any kind caused by inaccuracies in the information and in no event shall Marinette County, its elected or appointed officials or employees be liable for direct, indirect, incidental, consequential or special damages of any kind.

F.3. Verification of Zoning

Stantec

TELEPHONE CONVERSATION RECORD

Date: 5/21/2018 Time: 1304

Project Name: Leo Tucker Auto Salvage (Former)

Job No.: 193705745

Phone No.: (715) 927-6040

Prepared By: Evan Weber

Call: ☒ Placed ☐ Received

Contact/Title: Gerald Ronowski, Code Enforcer

Agency/Region: Town of Stephenson, WI

Discussion:

Called Gerald to ascertain whether the Town of Stephenson has any zoning codes associated with properties within their jurisdiction. Gerald explained the Town of Stephenson does not have any zoning codes to be enforced.

F.4 Statement UNSIGNED

Leo Tucker Auto Salvage (Former)

N6817 Left Foot Lake Road

Crivitz, WI 54114

Parcel – 032-02961.000

(WDNR BRRTS #02-38-169979)

I, _____, (please print) hereby certify that the legal description(s) attached to this statement are complete and accurate for all the properties within or partially within the contaminated site boundaries that have soil contamination exceeding Chapter NR720 residual contaminant levels and/or groundwater that exceeds Chapter NR140 standards at the time closure is requested.

Signed by Responsible Party: _____ Date:_____

F4 - Statement SIGNED

Leo Tucker Auto Salvage (Former)

N6817 Left Foot Lake Road

Crivitz, WI 54114

Parcel – 032-02961.000

(WDNR BRRTS #02-38-169979)

I, KEVIN KAMNICH, (please print) hereby certify that the legal description(s) attached to this statement are complete and accurate for all the properties within or partially within the contaminated site boundaries that have soil contamination exceeding Chapter NR720 residual contaminant levels and/or groundwater that exceeds Chapter NR140 standards at the time closure is requested.

Signed by Responsible Party: Kevin Kamnich Date: 07.23.18

G. Notifications to Owners of Affected Properties

G.1 Notifications to Owners of Affected Properties

Not Applicable for this closure request as no offsite properties affected.