Site Investigation Report

Waubeka Mill W4132 Mill Street Waubeka (Town of Fredonia), Wisconsin

July 31, 2018 by METCO WDNR File Reference #: 03-46-183691 PECFA Claim #: 53021-9716-32



This document was prepared by:

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July 31, 2018

BRRTS #: 03-46-183691 PECFA #: 53021-9716-32

Jacquelyn Voeks 680 Emerald Pt., Building 5, Condo 7 Hollister, MO 65672

Dear Ms. Voeks,

Enclosed is our "Site Investigation Report" concerning the Waubeka Mill Inc site at W4132 Mill Street in Waubeka, Wisconsin. This report presents the complete data from all investigation activities.

According to the data collected during the investigation, it is the conclusion of METCO that under existing conditions and limitations, the extent and degree of petroleum contamination has been adequately defined to a practical extent in soil and groundwater to warrant a completed investigation as defined by the WDNR guidelines and regulations.

Based on the NR140 ES exceedences found in monitoring well MW-1, the WDNR will likely require additional groundwater monitoring for contaminant trend analysis. Please note that monitoring wells cannot be installed toward the river due to the steep bank. It should also be mentioned that excavation was not possible due to the concrete building supports near the tank area, the steep slope and proximity to the road. Per state response to this report, METCO will proceed with this project.

We appreciate the opportunity to be of service to you on this project. Should you have any questions or require additional information, do not hesitate to contact our La Crosse office.

Sincerely,

Jason T. Powell Staff Scientist

C: Lee Delcore - WDNR

En T. Poevell

EXECUTIVE SUMMARY

A feed mill has operated on the subject property since 1864. A 300-gallon underground storage tank (UST) existed on the east side of the building and was used for fueling company vehicles. The UST was last used for storing diesel fuel and had previously been used for leaded gasoline.

On January 2, 1998, the 300-gallon diesel UST was abandoned in place due to its location on a steep slope and proximity to concrete footings and support beams beneath the building. Cardinal Environmental, Inc. oversaw the abandonment of the UST and conducted a Closure Assessment. After the tank had been cut open and cleaned, a hole was cut in the bottom of the UST and a soil sample was collected from approximately 1 foot below the bottom of the UST for DRO and GRO analysis. The soil analytical results showed 17 ppm DRO and 350 ppm GRO. The petroleum contamination was subsequently reported to the WDNR, who then required that a site investigation be conducted.

The nearest known LUST site is the Retzer Sales & Service site (BRRTS# 03-46-005246), which is located approximately 450 feet to the northeast of the subject property. Due to the significant distance, it is unlikely that this site is impacting or being impacted by the subject property.

The site investigation consisted of a Geoprobe Project, a Drilling Project, and one round of groundwater sampling. The results of the investigation clearly show that released petroleum products have impacted the local soil and groundwater. Results of the investigation are as follows:

- Fill material consisting of sand to silty sand and gravel was encountered in soil borings G-1 thru G-7 from surface to depths ranging from 1-2 feet bgs. Local unconsolidated materials generally consist of silt/clay with traces of gravel at depths ranging from 1-2 feet bgs and extending to depths ranging from 14-18 feet bgs. Weathered dolomite was encountered at depths ranging from 14-18 feet bgs and extends to at least 21 feet bgs.
- According to data collected during one round of groundwater sampling from the monitoring well, groundwater was encountered at 9.55 feet bgs. Based on the local topography and proximity to the Milwaukee River, local horizontal groundwater flow in the immediate area of the subject property is expected to be towards the north to northwest.
- An area of unsaturated soil contamination, which exceeds the NR720 Groundwater RCL's exists in the area of the abandoned UST, encompassing soil borings G-1, WM-1, and MW-1. This area appears to measure up to 14 feet in diameter and up to 7 feet thick.
- A dissolved phase contaminant plume exceeding the NR140 ES and/or PAL has formed at the watertable in the area of the abandoned UST and migrated to the northwest. This plume is approximately 25 feet long and up to 20 feet wide at its widest point.
- Based on the most recent groundwater analytical results, MW-1 shows NR140 ES and/or PAL exceedances.
- Based on the receptor survey, there does not appear to be the potential of contaminant migration along any utility corridors, risk of vapor intrusion to any buildings, or risk to any private water supply wells, or surface waters.
- According to the data collected during the investigation, it is the conclusion of METCO that
 under existing conditions and limitations, the extent and degree of petroleum contamination has
 been adequately defined (based on site restrictions) to a practical extent in soil and groundwater
 to warrant a completed investigation as defined by the WDNR guidelines and regulations.

Based on the NR140 ES exceedences found in monitoring well MW-1, the WDNR will likely require additional groundwater monitoring for contaminant trend analysis. Please note that monitoring wells cannot be installed toward the river due to the steep bank. It should also be mentioned that excavation was not possible due to the concrete building supports near the tank area, the steep slope and proximity to the road. Per state response to this report, METCO will proceed with this project.

LIST OF ACRONYMS

AST - Aboveground Storage Tank

ASTM - American Society for Testing and Materials

Cd - Cadmium

DOT - Department of Transportation

DRO - Diesel Range Organics

ES - Enforcement Standards

gpm - gallons per minute

GRO - Gasoline Range Organics

HNU - brand name for Photoionization Detector

ID - inside-diameter

LAST - Leaking Aboveground Storage Tank

LUST - Leaking Underground Storage Tank

MSL - Mean Sea Level

MTBE - Methyl-tert-butyl ether

MW - Monitoring Well

NIOSH - National Institute for Occupational Safety & Health

NR - Natural Resources

OD - outside-diameter

PAH - Polynuclear Aromatic Hydrocarbons

PAL - Preventive Action Limits

Pb - Lead

PECFA - Petroleum Environmental Cleanup Fund

PID - Photoionization Detector

POTW - Publicly Owned Treatment Works

ppb ug/kg - parts per billion

ppm mg/kg - parts per million

psi - pounds per square inch

PVC - Polyvinyl Chloride

PVOC - Petroleum Volatile Organic Compounds

RAP - Remedial Action Plan

scfm - standard cubic feet per minute

SVE - Soil Vapor Extraction

USCS - Unified Soil Classification System

USGS - United States Geological Survey

UST - Underground Storage Tank

VOC - Volatile Organic Compounds

WDNR - Wisconsin Department of Natural Resources

WPDES - Wisconsin Pollutant Discharge Elimination System

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1.0 INTRODUCTION AND BACKGROUND

A Site Investigation is required by the Wisconsin Department of Natural Resources (WDNR) by authority of Section 292.11 of the Wisconsin Statutes. According to the WDNR, any soil that tests more than 10 ppm Gasoline Range Organics (GRO) or Diesel Range Organics (DRO) requires an investigation. Any soil that tests more than the Chapter NR720 Groundwater Residual Contaminant Levels (RCLs), Direct Contact RCLs, and/or Soil Saturation (C-sat) Values may require possible remediation. Any groundwater that tests more than the Preventive Action Limits (PAL) or Enforcement Standards (ES) for compounds listed in Chapter NR140 Groundwater Quality Standards requires an investigation and possible remediation. For a further explanation of WDNR rules and regulations, see Appendix E.

This report presents data collected during the Site Investigation. The purpose of this investigation was to:

- 1) Determine the extent and degree of petroleum contamination in the environment.
- Determine if any risks exist to the environment or public health.
- 3) As conditions warrant, bring the site to closure.

1.1 Responsible Party Information

Jacquelyn Voeks 680 Emerald Pt., Building 5, Condo 7 Hollister, MO 65672 (262) 707-0735

1.2 Consultant Information

Consultant

METCO Ronald J. Anderson P.G. Jason T. Powell 709 Gillette Street, Suite 3 La Crosse, WI 54603 (608) 781-8879

Subcontractors

Geiss Soil & Samples, LLC W4490 Pope Road Merrill, WI 54452 (715) 539-3928

Soils & Engineering Services, LLC 1102 Stewart Street Madison, WI 53713 (608) 274-7600 Synergy Environmental Lab 1990 Prospect Court Appleton, WI 54914 (920) 830-2455

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

1.3 Site Location

Site Address:

W4132 Mill Street Waubeka(Town of Fredonia), Wisconsin

Latitude and Longitude: 43° 28' 17" N and 87° 59' 31" W

WTM Coordinates: 682422, 335127

Township/Range:

SE 1/4, SW 1/4, Section 28, Township 12 North, Range 21 East, Ozaukee County

1.4 Site History

A feed mill has operated on the subject property since 1864. A 300-gallon underground storage tank (UST) existed on the east side of the building and was used for fueling company vehicles. The UST was last used for storing diesel fuel and had previously been used for leaded gasoline.

On January 2, 1998, the 300-gallon diesel UST was abandoned in place due to its location on a steep slope and proximity to concrete footings and support beams beneath the building. Cardinal Environmental, Inc. oversaw the abandonment of the UST and conducted a Closure Assessment. After the tank had been cut open and cleaned, a hole was cut in the bottom of the UST and a soil sample was collected from approximately 1 foot below the bottom of the UST for DRO and GRO analysis. The soil analytical results showed 17 ppm DRO and 350 ppm GRO. The petroleum contamination was subsequently reported to the WDNR, who then required that a site investigation be conducted.

The nearest known LUST site is the Retzer Sales & Service site (BRRTS# 03-46-005246), which is located approximately 450 feet to the northeast of the subject property. Due to the significant distance, it is unlikely that this site is impacting or being impacted by the subject property. The site investigation consisted of a Geoprobe Project, a Drilling Project, and two rounds of groundwater sampling. The results of the investigation clearly show that released petroleum products have impacted the local soil and groundwater.

2.0 GEOLOGY AND RECEPTORS

2.1 Regional and Local Geology and Hydrogeology

Topography and Regional Setting

According to the USGS Hydrologic Atlas, Waubeka is located in the central portion of the Lake Michigan Basin. Present day landforms in this area were formed by continental glaciers, which advanced from the north and east scouring the bedrock surface and transporting rock debris in the ice. As the glaciers melted, this unconsolidated material was deposited on the bedrock surface. Kettle moraine deposits, which consist of permeable stratified sediments and till, exist in much of Ozaukee County. Glacial lake deposits of poorly permeable clay, silt, and sand

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occur along the shores of Lake Michigan.

The elevation of the site is approximately 790 feet above Mean Sea Level (MSL). See Appendix A for site location.

Soil and Bedrock

Soil samples were described by METCO field personnel. Assisting literature included the Hydrologic Atlas, Wisconsin Geologic Logs, and Wisconsin Well Constructor Reports.

Fill material consisting of sand to silty sand and gravel was encountered in soil borings G-1 thru G-7 from surface to depths ranging from 1-2 feet bgs. Local unconsolidated materials generally consist of silt/clay with traces of gravel at depths ranging from 1-2 feet bgs and extending to depths ranging from 14-18 feet bgs. Weathered dolomite was encountered at depths ranging from 14-18 feet bgs and extends to at least 21 feet bgs.

No other characteristics concerning the local sediments such as structures, voids, layering, lenses or secondary permeability are documented at this time.

Hydrogeology

According to data collected during one round of groundwater sampling from the monitoring well, groundwater was encountered at 9.55 feet bgs. Based on the local topography and proximity to the Milwaukee River, local horizontal groundwater flow in the immediate area of the subject property is expected to be towards the north to northwest.

2.2 Receptors

Buildings, Basements, Sumps, and Utility Corridors

The extent of petroleum contamination in groundwater exceeding the NR140 ES and/or PAL does not appear to come into contact with any buildings, basements, sumps, or utility corridors. Therefore, there does not appear to be any risk of vapor intrusion in the on-site building or potential contaminant migration along utility corridors.

Municipal and Private Water Supply Wells

There is no potable water supply to the subject property. The surrounding properties are all served by private water supply wells. All of the properties with private potable wells are over 100 feet away from the source property. The closest property is approximately 125 feet northeast of the former UST system, second is approximately 200 feet southwest of the former UST system, and the third closest is approximately 250 feet east-southeast of the former UST system. Due to the distance and up/side gradient locations of the private water supply wells, they do not appear to be at risk. The nearest municipal wells are in the Village of Fredonia and are located over 1 mile to the east.

METCO is not currently aware of any other impacts, receptors, risks, or local problems associated with the subject property.

Surface Waters

The nearest surface water is the Milwaukee River, which exists approximately 50 feet to the northwest of the former UST system. Based on groundwater samples collected from hand auger borings HA-1, HA-2, and HA-3, it does not appear that petroleum contamination in groundwater has migrated to the Milwaukee River.

3.0 SITE INVESTIGATION RESULTS AND RISK CRITERIA

3.1 Methods of Investigation

Workscope

The workscope performed for the LUST Investigation included the following:

- 1) On September 14, 2017, METCO prepared a LUST Investigation Field Procedures Workplan.
- 2) On October 2, 2017 METCO completed seven Geoprobe borings (G-1 thru G-7) and three hand auger borings (HA-1, HA-2, and HA-3). Thirty-two soil samples and eight groundwater samples were collected from the borings for field and/or laboratory analysis.
- 3) On March 16, 2018, METCO completed one soil boring which was converted to into a monitoring well (MW-1). Five soil samples were collected for field and/or laboratory analysis. Upon completion, the monitoring well was properly developed.
- 4) On May 7, 2018, METCO personnel collected groundwater samples from the monitoring well (MW-1) for field and laboratory analysis. METCO also conducted slug tests on monitoring well (MW-1).
- 5) On May 12, 2018, DKS Transport Services, LLC picked up and properly disposed of 1 drum of soil cuttings.

Site Access Problems

Due to the steep bank, monitoring wells/geoprobe borings can not be completed toward the river. Excavation in the area of the former UST system can not be conducted due to the concrete building supports near the tank area.

Analytical Methods

All samples were collected in a manner as to maintain their quality and to eliminate any possible cross contamination. METCO did not deviate from any WDNR or laboratory recommended procedures for sample collection, preservation, or transportation on this project to our knowledge.

Equipment advanced into the subsurface was cleaned between sampling locations. Cleaning consisted of washing with a biodegradable Alconox solution and rinsing with potable water. Disposable equipment was not cleaned, but immediately disposed of after use.

All samples were constantly kept on ice in a cooler and hand delivered to the laboratory.

3.2 Data Discussion

Soil Sampling Data

On October 2, 2017, during the Geoprobe Project, seven geoprobe borings and three hand auger borings were completed with thirty-two soil samples collected for field and/or laboratory analysis (PID, PVOC, PAH, Naphthalene, and/or Lead).

On March 16, 2018, METCO completed one soil boring with five soil samples collected for field and/or laboratory analysis. (PID, DRO, GRO, PVOC, Naphthalene, TCLP-Lead, TCLP-Benzene).

Soil analytical results are summarized in the Soil Analytical Results Tables with exceedances of the NR720 Groundwater RCL values noted.

Soil sample locations are presented in the Detailed Site Map found in Section 6. All data is presented in the data tables in Section 7. The laboratory reports are presented in Appendix B.

Groundwater Sampling Data

On October 2, 2017, during the Geoprobe Project seven geoprobe borings and three hand auger borings were completed with eight groundwater samples collected for laboratory analysis (PVOC and Naphthalene).

On March 16, 2018, during the Drilling Project, one monitoring well (MW-1) was installed and properly developed.

On May 7, 2018, METCO personnel collected groundwater samples from monitoring well MW-1 (Round 1) for laboratory analysis (VOC, PAH, Dissolved Lead, Dissolved Iron, Dissolved Manganese, Nitrate/Nitrite, and Sulfate). Field measurements for water level, temperature, pH, ORP, Dissolved Oxygen and Specific Conductance were collected from the sampled monitoring well. METCO also conducted slug tests on the monitoring well (MW-1).

Groundwater analytical results are summarized in the Groundwater Analytical Tables with exceedances of the NR140 Preventive Action Limits (PAL) and/or Enforcement Standard (ES) noted.

The soil borings and monitoring well locations are presented in the Detailed Site Map in Section 6. All data is presented in the data tables in Section 7. The lab reports are presented in Appendix B.

Laboratory Certification

Synergy Environmental Lab

Wisconsin Lab Certification #445037560

3.3 Permeability and Hydraulic Conductivity

On May 7, 2018, METCO conducted slug tests on monitoring well MW-1. The slug test data was evaluated using the curve fitting program "Hydro-Test for Windows" Produced by Dakota Environmental, Inc.

Slug test data was evaluated using the Bouwer and Rice method. Hydrogeologic parameters were estimated as follows:

Monitoring Well MW-1
Hydraulic Conductivity (K) = 1.41e-006 ft/sec
Transmissivity = 1.54e-005 ft²/sec

Since there is only one monitoring well, the hydraulic gradient and flow velocity could not be calculated. Since the thickness of the unconfined aquifer was unknown, the bottom of

monitoring well MW-1 was assumed as the lower extent of the aquifer for calculation purposes. Slug test data is presented in Appendix E.

3.4 Discussion of Results

Fill material consisting of sand to silty sand and gravel was encountered in soil borings G-1 thru G-7 from surface to depths ranging from 1-2 feet bgs. Local unconsolidated materials generally consist of silt/clay with traces of gravel at depths ranging from 1-2 feet bgs and extending to depths ranging from 14-18 feet bgs. Weathered dolomite was encountered at depths ranging from 14-18 feet bgs and extends to at least 21 feet bgs.

According to data collected during one round of groundwater sampling from the monitoring well, groundwater was encountered at 9.55 feet bgs. Based on the local topography and proximity to the Milwaukee River, local horizontal groundwater flow in the immediate area of the subject property is expected to be towards the north to northwest.

An area of unsaturated soil contamination, which exceeds the NR720 Groundwater RCL's exists in the area of the abandoned UST, encompassing soil borings G-1, WM-1, and MW-1. This area appears to measure up to 14 feet in diameter and up to 7 feet thick.

A dissolved phase contaminant plume exceeding the NR140 ES and/or PAL has formed at the watertable in the area of the abandoned UST and migrated to the northwest. This plume is approximately 25 feet long and up to 20 feet wide at its widest point.

Based on the most recent groundwater analytical results, MW-1 shows NR140 ES and/or PAL exceedances.

Based on the receptor survey, there does not appear to be the potential of contaminant migration along any utility corridors, risk of vapor intrusion to any buildings, or risk to any private water supply wells, or surface waters.

According to the data collected during the investigation, it is the conclusion of METCO that under existing conditions and limitations, the extent and degree of petroleum contamination has been adequately defined (based on site restrictions) to a practical extent in soil and groundwater to warrant a completed investigation as defined by the WDNR guidelines and regulations.

To our knowledge, this investigation has not had any major difficulties, unanticipated results, or questionable results.

The Detailed Site Map, Soil Contamination Map, Groundwater Isoconcentration Map, and Geologic Cross- Section figures, which visually define the extent of contamination, are presented in Section 6.

3.5 Risk Assessment

Per the NR746.03 definitions a release from petroleum tanks is considered "high risk" if any of the four following criterion are met:

- 1) Verified contaminant concentrations in a private or public potable well that exceeds the Preventive Action Limit established under Chapter, Stats. 160.
- 2) Petroleum product that is not in the dissolved phase (floating product) is present with a thickness of 0.01 feet or more, and verified by more than one sampling event.
- An Enforcement Standard exceedance in groundwater within 1,000 feet of a well operated by a public utility, or within 100 feet of any other well used to provide water for human consumption.

4) An Enforcement Standard exceedance in fractured bedrock.

A "medium risk" site is defined as a site where contaminants have extended beyond the boundary of the source property, or there is confirmed contamination in the groundwater, but the site does not meet the definition of a "high risk" site.

A "low risk" site is defined as a site where contaminants are contained only within the soil on the source property and there is no confirmed contamination in groundwater.

Based on the NR746.03 definitions, the Waubeka Mill site is currently a "medium risk" site.

4.0 CONCLUSION

4.1 Investigation Summary

According to the data collected during the investigation, it is the conclusion of METCO that under existing conditions and limitations, the extent and degree of petroleum contamination has been adequately defined (based on site restrictions) to a practical extent in soil and groundwater to warrant a completed investigation as defined by the WDNR guidelines and regulations.

4.2 Recommendations

Based on the NR140 ES exceedances found in monitoring well MW-1, the WDNR will likely require additional groundwater monitoring for contaminant trend analysis. Please note that monitoring wells cannot be installed toward the river due to the steep bank. It should also be mentioned that excavation was not possible due to the concrete building supports near the tank area, the steep slope and proximity to the road. Per state response to this report, METCO will proceed with this project.

Site Investigation Report - METCO Waubeka Mill Inc. 5.0 REFERENCES

Driscoll, F. G., 1986, Groundwater and Wells, St. Paul, Minnesota.

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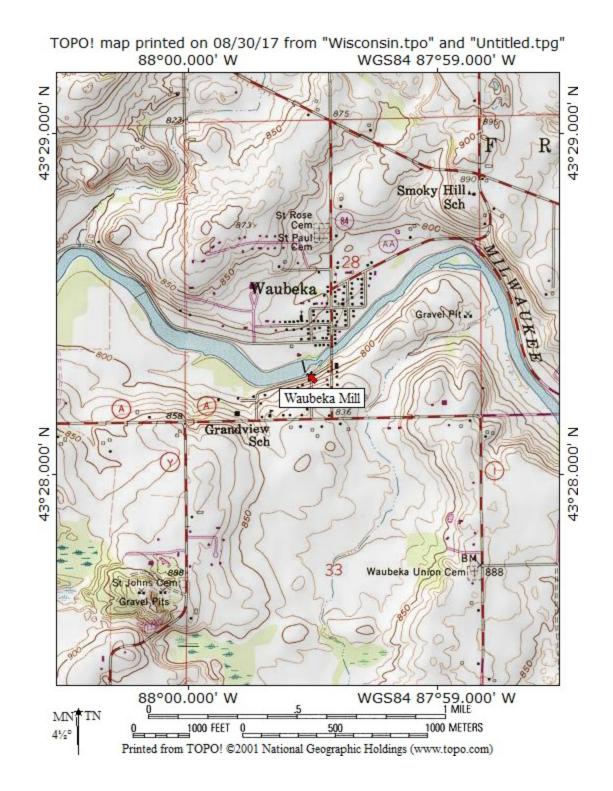
Skinner, E.L., and Borman, R.G., 1973, Water Resources of Wisconsin – Lake Michigan Basin, Hydrologic Investigations, Atlas HA-432, U.S. Geological Survey, Washington D.C.

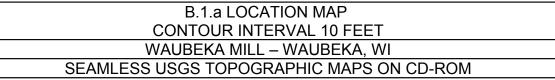
Seamless USGS Topographic Maps on CD-ROM, 2001, National Geographic Holdings, Inc., San Francisco, California.

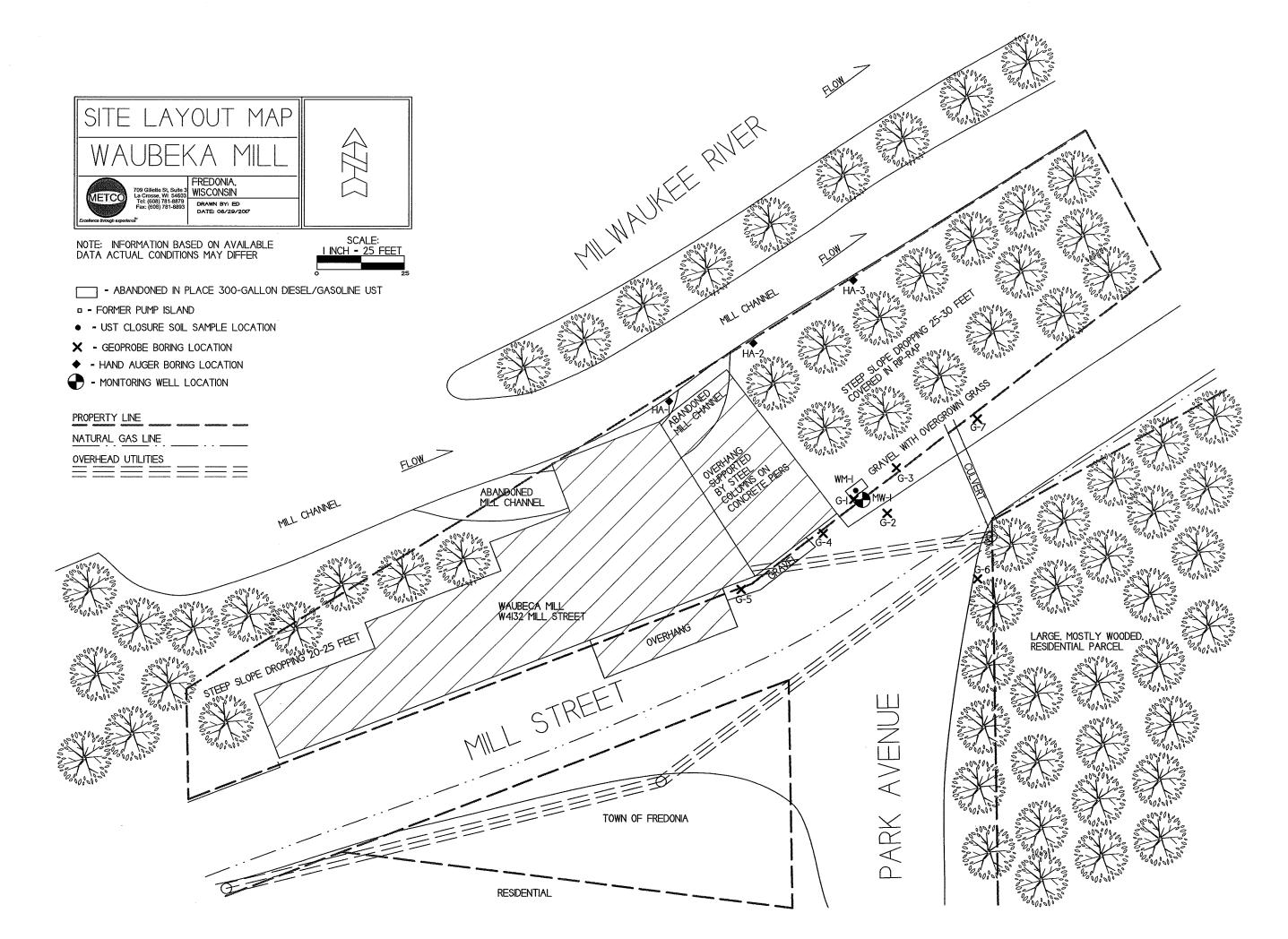
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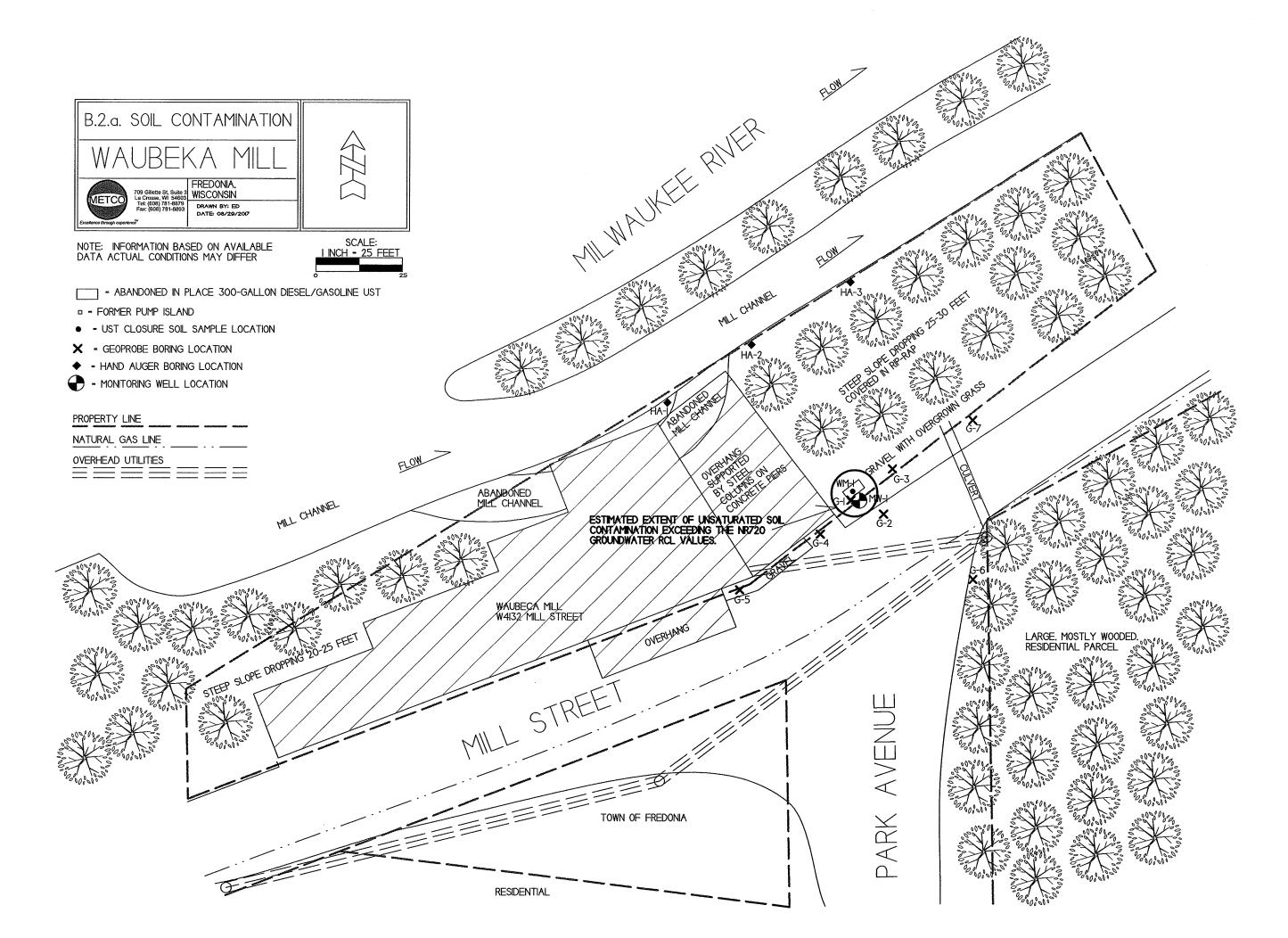
Weston, R.F., 1987, Remedial Technologies for Leaking Underground Storage Tanks.

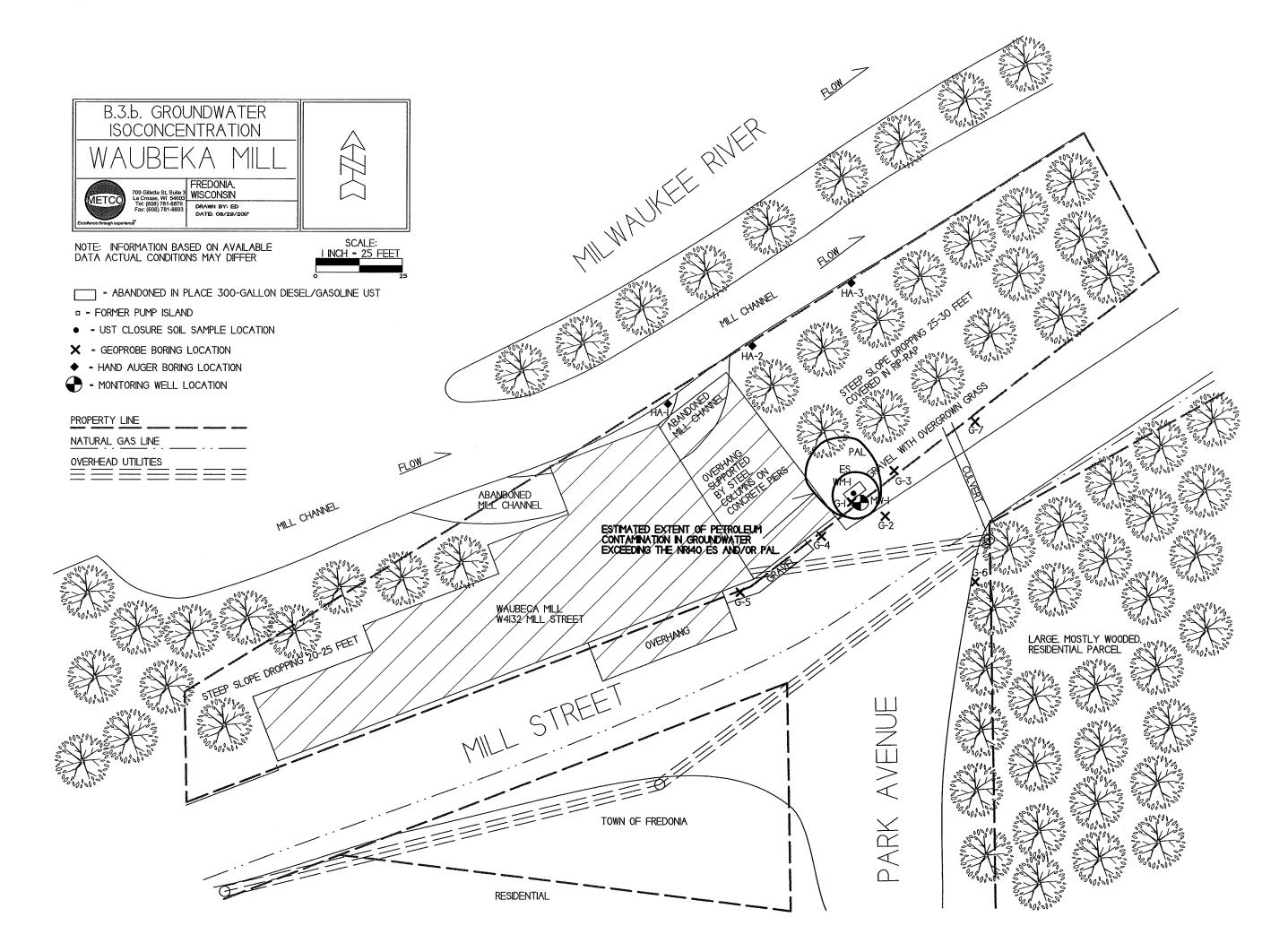
Other information and data was collected from Jacquelyn Voeks, Town of Fredonia, Diggers Hotline, Soils & Engineering Services, LLC, Geiss Soil and Samples, LLC, Synergy Environmental Lab, Wisconsin Department of Natural Resources, and local people.

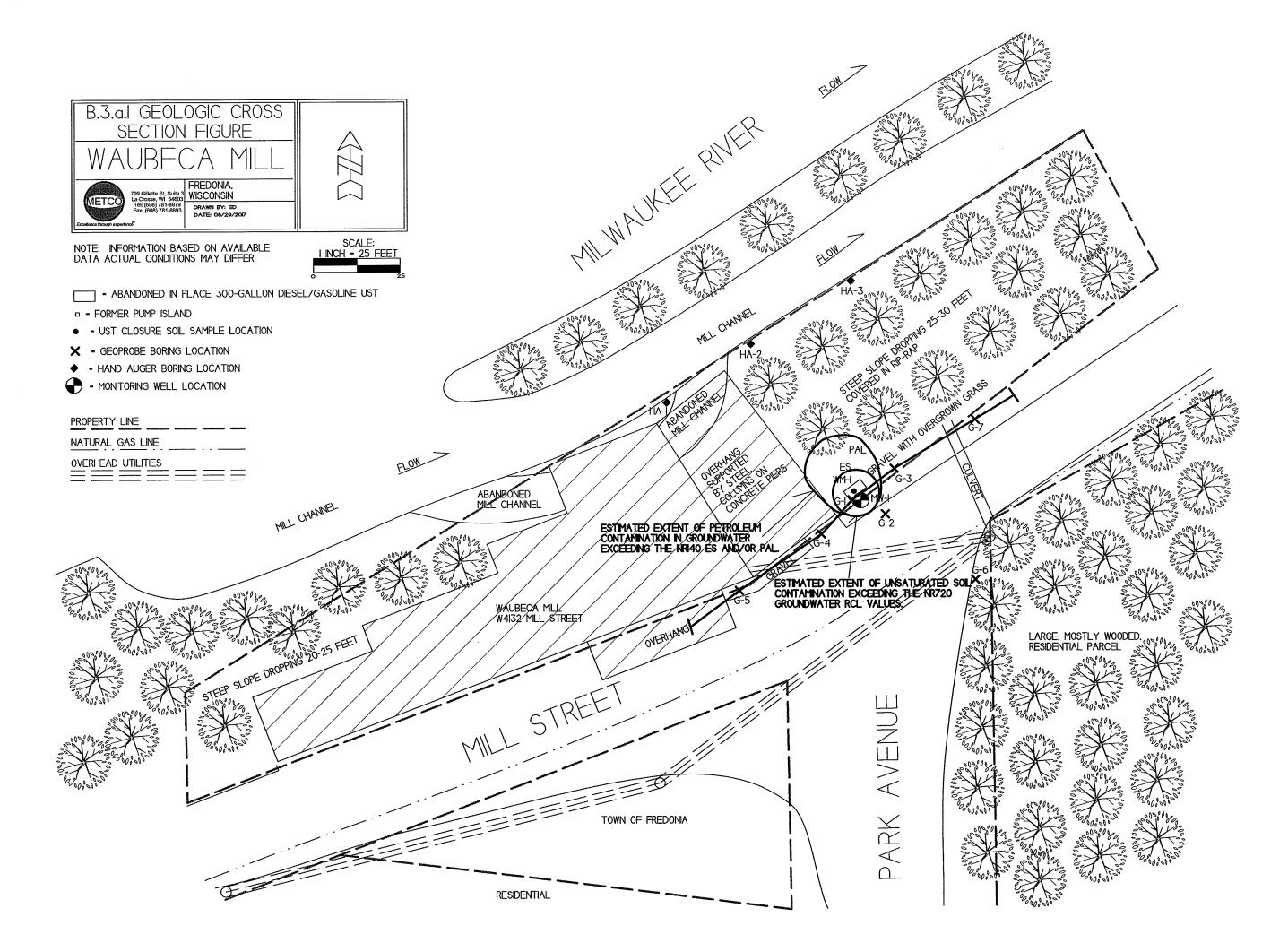


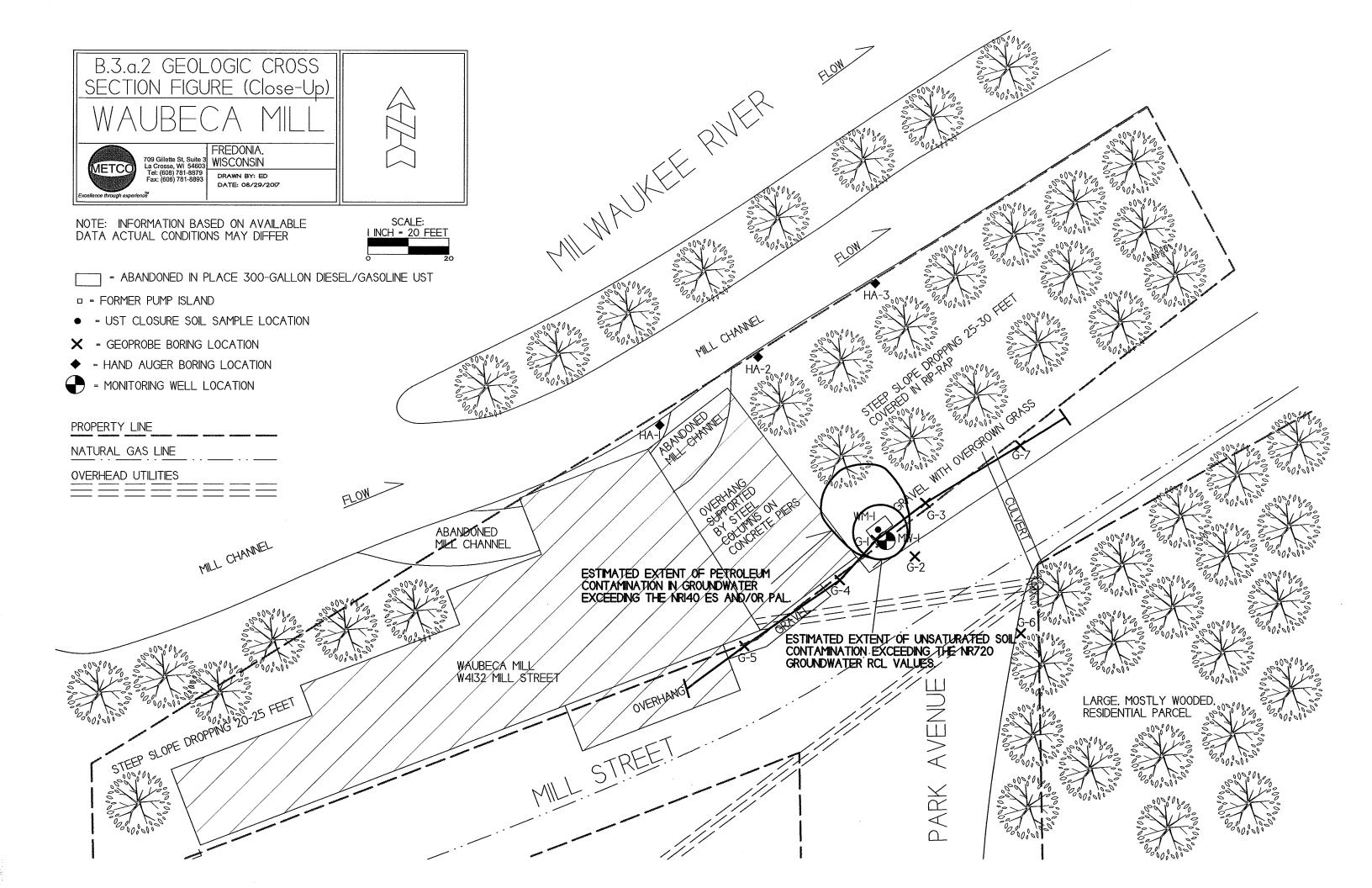


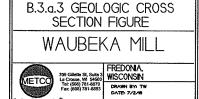












NOTE: SOIL AND GROUNDWATER SAMPLE DATA IS BASED ON LABORATORY RESULTS FROM SAMPLES COLLECTED DURING THE FOLLOWING EVENTS:

- GEOPROBE PROJECT (10/2/17) DRILLING PROJECT (3/16/18) ROUND I GROUNDWATER SAMPLING (5/7/18)

NOTE: SOIL RESULTS SHOW DETECTS

AND EXCEEDANCES THAT HAVE BEEN DOCUMENTED ON THE MAP. SEE DATA TABLES AND/OR LABORATORY REPORTS

- MONITORING WELL LOCATION

GEOPROBE BORING LOCATION

X - SOIL SAMPLING LOCATION

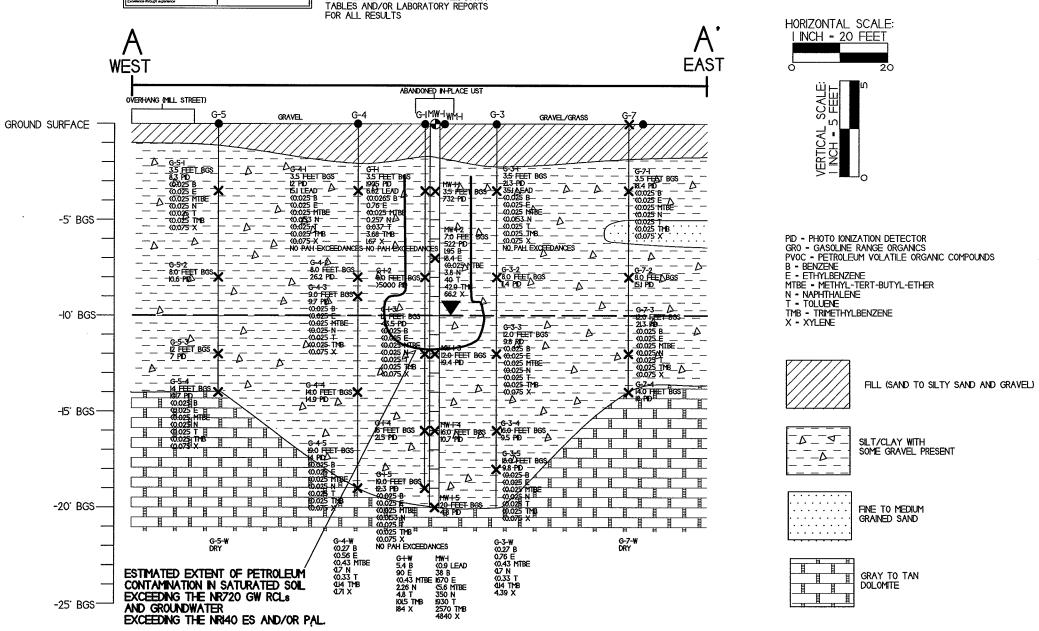
- WATERTABLE

INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER

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

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

GROUNDWATER FLOW IS ESTIMATED TO BE TOWARD THE NORTH TO NORTHWEST.



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Waubeka Mill Inc.
7.0 DATA TABLES, GRAPHS, AND STATISTICAL ANALYSIS

A.1 Groundwater Analytical Table (Geoprobe) Waubeka Mill, Inc BRRTS #03-46-183691

Sample			Ethyl		Naph-		Trimethyl-	Xylene
ID	Date	Benzene	Benzene	MTBE	thalene	Toluene	benzenes	(Total)
		(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)
G-1-W	10/2/2017	5.4	90	<0.43	2.26	4.8	101.5	184
G-2-W	10/2/2017	0.47	<0.56	<0.43	<1.7	0.38	<1.14	<1.71
G-3-W	10/2/2017	<0.27	0.76	<0.43	<1.7	<0.33	<1.14	4.39
G-4-W	10/2/2017	<0.27	<0.56	<0.43	<1.7	<0.33	<1.14	<1.71
G-6-W	10/2/2017	<0.27	<0.56	<0.43	<1.7	<0.33	<1.14	1.67-2.28
HA-1-W	10/2/2017	<0.27	<0.56	<0.43	<1.7	<0.33	<1.14	<1.71
HA-2-W	10/2/2017	<0.27	<0.56	<0.43	<1.7	<0.33	<1.14	<1.71
HA-3-W	10/2/2017	<0.27	<0.56	<0.43	<1.7	<0.33	<1.14	<1.71
ENFORCE MENT STAND	ARD ES = Bold	5	700	60	100	800	480	2000
PREVENTIVE ACTION LI	MIT PAL = Italics	0.5	140	12	10	160	96	400

NS = Not Sampled

(ppb) = parts per billion

(ppm) = parts per million

DRO = Diesel Range Organics

GRO = Gasoline Range Organics

A.1 Groundwater Analytical Table Waubeka Mill, Inc BRRTS #03-46-183691

Well MW-1
PVC Elevation =

0 (feet) (MSL)

Date 05/07/18	Water Elevation (in feet msl) -9.55	Depth to water from top of PVC (in feet) 9.55	Lead (ppb) <0.9	Benzene (ppb) 38	Ethyl Benzene (ppb) 1670	MTBE (ppb) <5.6	Naph- thalene (ppb) 350	Toluene (ppb) 1930	Trimethyl- benzenes (ppb) 2570	Xylene (Total) (ppb) 4840
ENFORCEME PREVENTIVE		RD ES = Bold	15 1.5	5	700	60 12	100 10	800 160	480 96	2000 400

(ppb) = parts per billion

(ppm) = parts per million

NS = not sampled

NM = not measured

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

A.1 Groundwater Analytical Table (PAH) Waubeka Mill, Inc BRRTS #03-46-183691

Well MW-1

Date 5/7/2018	Ace- naphthene (ppb) <0.40	Acenaph- thylene (ppb) <0.45	Anthracene (ppb) <0.45	Benzo(a) anthracene (ppb) <0.85	Benzo(a) pyrene (ppb) <0.85	Benzo(b) fluoranthene (ppb) <1.00	Benzo(g,h,l) Perylene (ppb) <0.55	Benzo(k) fluoranthene (ppb) <0.70	Chrysene (ppb) <0.95	Dibenzo(a,h) anthracene (ppb) <0.50	Fluoran- thene (ppb) <1.55	Fluorene (ppb) <0.55	Indeno(1,2,3-cd) pyrene (ppb) <0.60	1-Methyl- naphthalene (ppb) 41.0	2-Methyl- naphthalene (ppb) 76.0		Phenan- threne (ppb) <1.25	Pyrene (ppb) <1.50
ENFORCEMEN	I NT STANDARD = ACTION LIMIT =		3000 600	-	0.2 0.02	0.2 0.02	-	-	0.02		400 80	400 80	-		-	100 10	-	250 50

(ppb) = parts per hillion
NS = not sampled
Note: Elevations are presented in feet mean sea level (msl).

A.2 Soil Analytical Results Table Waubeka Mill, Inc BRRTS #03-46-183691

Sample	Donth	Catumatian	D-4- I	DID		550			T								DIRECT CONT.	ACT PVOC & PA	AH COMBINED
Sample ID	Depth	Saturation	Date	PID	Lead	DRO	GRO	_	_ Ethyl		Naph-		1,2,4-Trime-	1,3,5-Trime-	Xylene	Other VOC's			Cumulative
ן וט	(feet)	U/S			(ppm)	(ppm)	(ppm)	Benzene		MTBE	thalene	Toluene	thylbenzene	thylbenzene	(Total)	(ppb)	Exeedance	Hazard	Cancer
WM-1	5.0-6.0		04/07/00	NO	NO	47	050	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)		Count	Index	Risk
G-1-1	3.5		01/07/98 10/02/17	NS 1905	NS 6.00	17	350	NS	NS	NS	NS	NS	NS	NS	NS	NS	0		
G-1-2	8.0				6.82	NS	NS	0.0265	0.76	<0.025	0.257	0.037	3.05	0.630	1.67	NS	0	0.0149	1.7E-07
G-1-2	12.0		10/02/17 10/02/17	>5000	NO	NO	No	0.005			SAMPLED					NS			
G-1-4	16.0			43.5	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-1-4 G-1-5	16.0		10/02/17	21.5	NO	110					SAMPLED					NS			
G-1-5 G-2-1			10/02/17	12.3	NS	NS	NS	<0.025	<0.025	<0.025	<0.0153	<0.025	<0.025	<0.025	<0.075	NS			
G-2-1 G-2-2	3.5 7.0		10/02/17	17.5	8.61	NS	NS	<0.025	<0.025	<0.025	<0.0153	<0.025	<0.025	<0.025	<0.075	NS	0		
G-2-2	13.0		10/02/17	22.2	NO	110					SAMPLED					NS			
G-2-3	13.0		10/02/17	12.5	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-2-5	16.0		40/00/47	40.0	NO. T	110			COVERY							NS			
G-2-5 G-3-1	3.5		10/02/17	10.8	NS 25.4	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-3-1	8.0		10/02/17	21.3	35.1	NS	NS	<0.025	<0.025		<0.0153	<0.025	<0.025	<0.025	<0.075	NS	0	0.0012	2.7E-07
G-3-2			10/02/17	11.4	110						SAMPLED					NS			
	12.0		10/02/17	9.8	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-3-4	16.0		10/02/17	9.5							SAMPLED					NS			
G-3-5	18.0		10/02/17	9.8	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-4-1	3.5		10/02/17	12	15.1	NS	NS	<0.025	<0.025		<0.0153	<0.025	<0.025	<0.025	<0.075	NS	0		
G-4-2	8.0		10/02/17	26.2							SAMPLED					NS			
G-4-3	9.0		10/02/17	9.7	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-4-4	14.0		10/02/17	14.9							SAMPLED					NS			
G-4-5	19.0		10/02/17	14	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS]
G-5-1	3.5		10/02/17	8.3	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0		
G-5-2	8.0		10/02/17	10.6							SAMPLED					NS			
G-5-3	12.0		10/02/17	7							AMPLED					NS			
G-5-4	14.0		10/02/17	10.7	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-6-1	3.5		10/02/17	26.7	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0		
G-6-2	8.0		10/02/17	15.4							AMPLED					NS			
G-6-3	12.0		10/02/17	28.2							AMPLED					NS			
G-6-4	15.0		10/02/17	22.1	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-7-1	3.5		10/02/17	18.4	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0		
G-7-2	8.0		10/02/17	15.1							AMPLED			1		NS			
G-7-3	12.0		10/02/17	21.3	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-7-4	14.0		10/02/17	18						NOT S	AMPLED	·····				NS			
HA-1-1	6.0		10/02/17	8.7	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
Groundwate					27	-		0.00512	1.57	0.027	0.6582	1.11	1.3	8	3.96	•			
Non-Industr			<u>L</u>		<u>400</u>	-	-]	<u>1.6</u>	<u>8.02</u>	<u>63.8</u>	<u>5.52</u>	<u>818</u>	<u>219</u>	182	258	-		1.00E+00	1.00E-05
Industrial Di					(800)	-	- 1	(7.07)	(35.4)	(282)	(24.1)	(818)	(219)	(182)	(258)			1.00E+00	1.00E-05
Soil Saturati					-	-	-	1820*	480*	8870*	-	818*	219*	182*	258*	-			
Bold = Grou	ndwater l	RCL Exceed	ance							<u>-</u>			<u> </u>						

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

Italics = Industrial Direct Contact RCL

NS = Not Sampled

NM = Not Measured ND = No Detects

(ppm) = parts per million DRO = Diesel Range Organics GRO = Gasoline Range Organics PID = Photoionization Detector

PVOC's = Petroleum Volatile Organic Compounds
VOC's = Volatile Organic Compounds
Note: Non-Industrial RCLs apply to this site.

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

A.2 Soil Analytical Results Table Waubeka Mill, Inc BRRTS #03-46-183691

MW-1-3	7.0 12.0		03/16/18 03/16/18	522 19.4	NS	NS	NS	1.95	18.4	<0.25	3.8 NOT 5	SAMPLED	32	10.9	66.2	NS	0		
MW-1-4	16.0		03/16/18	10.7								SAMPLED							••••
MW-1-5	20.0		03/16/18	4.8							NOT S	SAMPLED							
DRUM COM	IPOSITE		03/16/18	NS	NS	56.7	116				N	OT SAMP	.ED			TCLP Lead <0.1 TCLP Benzene <0.05			
Groundwate	er RCL		<u> </u>		27		_	0.00512	1.57	0.027	0.6582	1.11	1.:	38	3.96				
lon-Industr	ial Direct	t Contact RO	CL		400	-	-	1.6	8.02	63.8	5.52	818	219	182	258			1.00E+00	1.00E-05

Bold = Groundwater RCL Exceedance

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

Italics = Industrial Direct Contact RCL

NS = Not Sampled

NM = Not Measured ND = No Detects

(ppm) = parts per million

DRO = Diesel Range Organics

GRO = Gasoline Range Organics
PID = Photoionization Detector

PVOC's = Petroleum Volatile Organic Compounds

VOC's = Volatile Organic Compounds
Note: Non-Industrial RCLs apply to this site.

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

A.2 Soil Analytical Results Table (PAH) Waubeka Mill, Inc BRRTS #03-46-183691

																						DIRECT CONT	TACT PVOC & P	AH COMBINED
	Depth	Saturation		Acenaph-	Acenaph-		Benzo(a)	Benzo(a)	Benzo(b)	Benzo(g,h,I)	Benzo(k)		Dibenzo(a,h)			Indeno(1,2,3-cd)	1-Methyl-	2-Methyl-	Naph-	Phenan-				Cumulative
Sample	(feet)	U/S	Date	thene	thylene	Anthracene	anthracene	pyrene	fluoranthene	perylene	fluoranthene	Chrysene	anthracene	Fluoranthene	Fluorene	pyrene	naphthalene	naphthalene	thalene	threne	Pyrene	Exeedance	Hazard	Cancer
,	, ,			(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	Count	Index	Risk
G-1-1	3.5		10/02/17	<0.0151	<0.0159	<0.0109	<0.0116	<0.0113	<0.013	<0.0114	<0.0147	<0.0121	<0.0078	<0.0147	<0.0179	<0.0114	0.127	0.216	0.257	<0.0111	<0.0153	0	0.0149	1.7E-07
G-1-5	16		10/02/17	<0.0151	<0.0159	<0.0109	<0.0116	<0.0113	<0.013	<0.0114	<0.0147	<0.0121	<0.0078	<0.0147	<0.0179	<0.0114	<0.0203	<0.0113	<0.0153	<0.0111	<0.0153			
G-2-1	3.5		10/02/17	<0.0151	<0.0159	<0.0109	<0.0116	<0.0113	<0.013	<0.0114	<0.0147	<0.0121	<0.0078	<0.0147	<0.0179	<0.0114	<0.0203	<0.0113	<0.0153	<0.0111	0.0203	0		
G-3-1	3.5		10/02/17	<0.0151	<0.0159	<0.0109	0.0218	0.0213	0.033	0.084	0.0186	0.0257	<0.0078	0.048	<0.0179	0.0185	<0.0203	<0.0113	<0.0153	0.0155	0.045	0	0.0012	2.7E-07
G-4-1	3.5		10/02/17	<0.0151	<0.0159	<0.0109	<0.0116	<0.0113	<0.013	<0.0114	<0.0147	<0.0121	<0.0078	<0.0147	<0.0179	<0.0114	<0.0203	<0.0113	<0.0153	<0.0111	<0.0153	0		
Groundwat	er RCL					197		0.47	0.4793			0.145		88.8	14.8				0.6582		54.5			
Non-Indust	rial Direct C	Contact RCL		3590		<u>17900</u>	1.140	0.1150	<u>1.150</u>		<u>11.50</u>	<u>115</u>	<u>0.1150</u>	<u>2390</u>	<u>2390</u>	<u>1.150</u>	<u>17.6</u>	<u>239</u>	<u>5.52</u>		<u>1790</u>		1.00E+00	<u>1.00E-05</u>
Industrial E	Direct Conta	ct RCL		(45200)		(100000)	(20.8)	(2.11)	(21.1)		(211)	(2110)	(2.11)	(30100)	(30100)	(21.1)	(72.7)	(3010)	(24.1)		(22600)			
Soil Satura	tion Concer	ntration (C-sat)*																					

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

NM = Not Measured ND = No Detects

NS = Not Sampled
(ppm) = parts per million
PAH = Polynuclear Aromatic Hydrocarbons
PID = Photoionization Detector
VOC's = Volatile Organic Compounds

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

A.6 Water Level Elevations Waubeka Mill, Inc BRRTS #03-46-183691 Waubeka, Wisconsin

	MW-1
Ground Surface (feet msl)	
PVC top (feet msl)	
Well Depth (feet)	20.50
Top of screen (feet msl)	-10.50
Bottom of screen (feet msl)	-20.50
Depth to Water From Top of PVC	(feet)
05/07/18	9.55

Depth to Water From Ground Surface (feet) 05/07/189.55

Groundwater Elevation (feet msl)

05/07/18 -9.55

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

A.7 Other **Groundwater NA Indicator Results** Waubeka Mill, Inc BRRTS #03-46-183691

Well MW-1

Date	Dissolved Oxygen (ppm)	рН	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Man- ganese (ppb)
05/07/18	2.11	7.14	-62	9.7	3810	<0.36	44.5	0.22	276
ENFORCEM	ENT STAND	ARD = ES	– Bold			10	***	_	300
PREVENTIV	E ACTION LI	MIT = PAL	Italics			2	•	-	60

(ppb) = parts per billion (ppm) = parts per million

NS = not sampled

NM = not measured

ORP = Oxidation Reduction Potential

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









Site Investigation Report - METCO
Waubeka Mill Inc.
APPENDIX A/ METHODS OF INVESTIGATION

Site Investigation Report - METCO Waubeka Mill Inc. Geoprobe Project

Geoprobe sampling was completed by Geiss Soil & Samples LLC of Merrill, Wisconsin, under the supervision of METCO personnel. The Geoprobe consists of a truck or track-mounted, hydraulically driven unit that advances interconnected, 1-inch diameter, 4-foot-long, and stainless-steel rods into the subsurface.

Field observations such as soil characteristics, petroleum odors, and petroleum staining associated with all the collected samples were continuously noted throughout sampling. All Geoprobe holes were properly abandoned to ground level using bentonite clay.

The purpose of the Geoprobe Project was to cost effectively determine, if the released contaminants have impacted the soil and groundwater, and determine the general extent of contamination along those mediums. This collected information would then be used to guide the Drilling Project, if required.

Geoprobe Soil Sampling

The procedure consisted of advancing an assembled stainless-steel sampler to the top of the interval to be sampled. A stop-pin was then removed, and the sampler driven until filled. The rods were retracted from the hole and the sample recovered.

Geoprobe Groundwater Sampling

This procedure consisted of advancing a stainless steel, mill slotted well point into the watertable interface. Disposable, flexible, ¼ inch diameter polyethylene tubing was then introduced through the steel rods and down to the watertable interface. A hand-held pump was used to slowly draw an undisturbed water sample into the polyethylene tube, which was then removed from the steel rods and the water sample immediately placed into sampling containers.

Drilling Project

Soil borings were conducted by Soils and Engineering Services of Madison, Wisconsin, under the supervision of METCO personnel. Using a truck-mounted auger drill rig, all borings were completed in accordance with ASTM D-1452, "Soil Investigation and Sampling by Auger Boring," using 4.25-inch, inside-diameter (ID) augers. Soil sampling was conducted in accordance with ASTM D-1586 "Penetration Tests and Split-Barrel Sampling of Soils" using a 2-inch, outside-diameter (OD) 2.5-foot split spoon sampler. Using this procedure, a split spoon sampler is driven into the soil by a 140 pound weight falling 30 inches.

Field observations such as soil characteristics, petroleum odors, and petroleum staining were continuously noted throughout the drilling process.

The purpose of the Drilling Project and subsequent well installation/sampling was to investigate subsurface conditions and characteristics, verify the extent of petroleum contamination in local soil and groundwater, and collect aquifer data.

Site Investigation Report - METCO Waubeka Mill Inc. Field Screening

Selected soil samples were scanned with a Rae Systems Mini RaeLite Photo-ionization Detector (PID) equipped with a 10.6 eV lamp. Metered calibrations were done at the beginning of each workday using an isobutylene standard. A quart sized Ziploc bag was filled, by gloved hand, one-third full with the sample. The Ziploc bags were sealed and shaken vigorously for 30 seconds. Headspace development was established by allowing the sample to rest for at least 15 minutes. If ambient temperatures are below 70 degrees Fahrenheit, headspace development takes place in a heated environment, which allows the sample enough time to establish satisfactory headspace. To take readings, the PID probe was inserted through the Ziploc seal and the highest meter response recorded.

Throughout the field projects the PID Meter did not encounter any vast temperature or humidity changes, malfunctions, repairs, or any other obvious interferences that would affect its results.

Monitoring Well Installation, Development, and Sampling

The monitoring well installation was completed by Soils and Engineering Services, under the supervision of METCO personnel and done in accordance with Wisconsin Department of Natural Resources Chapter NR141, "Groundwater Monitoring Well Requirements." The monitoring well was constructed of flush threaded, 2-inch inside-diameter schedule 40 polyvinyl chloride (PVC) piping. A ten-foot well screen with 0.010-inch slots were installed partially into the groundwater for the monitoring well, with the watertable intersecting the screen. Uniform washed sand was installed around the well screens to serve as a filter pack. Bentonite was used above the filter pack to provide an annular space seal.

Locking watertight caps along with steel flush-mounted covers were installed with the wells for protection. A Monitoring Well Construction Form and a Groundwater Monitoring Well Information Form are presented in Appendix C.

The monitoring well was not developed as it was dry upon completion.

Groundwater samples for laboratory analysis were collected using a bottom loading, disposable, polyethylene bailer and disposable, polyethylene twine. A minimum of four well volumes was purged from the well immediately before sampling.

Field observations such as color, turbidity, petroleum odors, and petroleum sheens associated with the collected samples were continuously noted throughout sampling.

Sample Preparation

The volume of sample, size of container, and type of sample preservation was dependent on the specific parameter for which the sample was to be analyzed. Parameter specific information is presented in the LUST Sample Guidelines located in Appendix E.

Field Sampling and Transportation Quality Control

Site Investigation Report - METCO Waubeka Mill Inc.

All samples were collected in a manner as to maintain their quality and to eliminate any possible cross contamination. METCO did not deviate from any WDNR or laboratory recommended procedures for sample collection, preservation, or transportation on this project.

Equipment advanced into the subsurface was cleaned between sampling locations. Cleaning consisted of washing with a biodegradable Alconox solution and rinsing with potable water. Disposable equipment was not cleaned, but immediately disposed of after use.

All samples were constantly kept on ice in a cooler and hand delivered to the laboratory.

Laboratory Quality Control

See Appendix B for the results of any field blanks, trip blanks, temperature blanks, lab spikes, split samples, replicate spikes, and duplicates.

Investigative Wastes

On May 21, 2018, DKS Transport Services, LLC, of Menomonie, Wisconsin picked-up and disposed of 1 drum of soil cuttings at the Advanced Disposal Seven Mile Creek Landfill in Eau Claire, Wisconsin.

Site Investigation Report - METCO
Waubeka Mill Inc.
APPENDIX B/ ANALYTICAL METHODS & LABORATORY DATA REPORTS

$Synergy\ Environmental\ Lab,\\ {\scriptsize 1990\ Prospect\ Ct.,\ Appleton,\ WI\ 54914\ *P\ 920-830-2455\ *\ .F\ 920-733-0631}}$

JACQUELYN VOEKS JACQUELYN VOEKS 680 EMERALD PT HOLLISTER, MO 65672

Report Date 16-Oct-17

Project Name WAUBEKA MILL Project #

5033672A

Lab Code

G-1-1

Sample ID Sample Matrix Soil

Sample Matrix Sample Date	10/2/2017	Result		Unit	LOD 1	LOQ D	il	Method	Ext Date	Run Date	Analyst	Code
General						_					-	
General												
Solids Percent		87.6		%			1	5021		10/4/2017	NJC	I
Inorganic												
Metals												
Lead, Total		6.82		mg/Kg	0.17	0.58	1	6010B		10/11/2017	CWT ⁻	1
Organic				0.0								
PAH SIM												
Acenaphthene		~	0.0151	mg/kg	0.0151	0.0481	ı	M8270C	10/5/2017	10/5/2017	NJC	1
Acenaphthylene			0.0151	mg/kg	0.0159	0.0508	i	M8270C	10/5/2017	10/5/2017	NJC	i
Anthracene			0.0109	. mg/kg	0.0109	0.0345	i	M8270C	10/5/2017	10/5/2017	NJC	ī
Benzo(a)anthracene			0.0116	mg/kg	0.0116	0.037	i	M8270C	10/5/2017	10/5/2017	NJC	1
Benzo(a)pyrene			0.0113	mg/kg	0.0113	0.0359	i	M8270C	10/5/2017	10/5/2017	NJC	1
Benzo(b)fluoranther	ie .		0.013	mg/kg	0.013	0.041	i	M8270C	10/5/2017	10/5/2017	NJC	1
Benzo(g,h,i)perylen			0.0114	mg/kg	0.0114	0.036	1	M8270C	10/5/2017	10/5/2017	NJC	1
Benzo(k)fluoranther			0.0147	mg/kg	0.0147	0.0469	1	M8270C	10/5/2017	10/5/2017	NJC	1
Chrysene			0.0121	mg/kg	0.0121	0.0383	ı	M8270C	10/5/2017	10/5/2017	NJC	1
Dibenzo(a,h)anthrac	ene	<	0.0078	mg/kg	0.0078	0.0251	1	M8270C	10/5/2017	10/5/2017	NJC	1
Fluoranthene			0.0147	mg/kg	0.0147	0.0469	1	M8270C	10/5/2017	10/5/2017	NJC	i
Fluorene		<	0.0179	mg/kg	0.0179	0.057	-1	M8270C	10/5/2017	10/5/2017	NJC	1
Indeno(1,2,3-cd)pyr	ene	<	0.0114	mg/kg	0.0114	0.0362	1	M8270C	10/5/2017	10/5/2017	NJC	1
1-Methyl naphthaler		0.127		mg/kg	0.0203	0.0645	1	M8270C	10/5/2017	10/5/2017	NJC	1
2-Methyl naphthaler		0.216		mg/kg	0.0113	0.0358	1	M8270C	10/5/2017	10/5/2017	NJC	1
Naphthalene		0.257		mg/kg	0.0153	0.0486	1	M8270C	10/5/2017	10/5/2017	NJC	1
Phenanthrene			0.0111	mg/kg	0.0111	0.0352	1	M8270C	10/5/2017	10/5/2017	NJC	1
Pyrene		<	0.0153	mg/kg	0.0153	0.0487	1	M8270C	10/5/2017	10/5/2017	NJC	1
PVOC												
Benzene		0.0265 "J"		mg/kg	0.019	0.06	1	GRO95/8021		10/4/2017	TCC]
Ethylbenzene		0.76		mg/kg	0.01	0.032	1	GRO95/8021		10/4/2017	TCC	I

Invoice # E33672

Project Name Project #	WAUBEKA	MILL	LL Invoice # E33672									
Lab Code Sample ID Sample Matrix Sample Date	5033672A G-1-1 Soil 10/2/2017	Result	Unit	LOD L	-	Method	Ext Date		•	Code		
Methyl tert-butyl e Toluene 1,2,4-Trimethylber 1,3,5-Trimethylber m&p-Xylene o-Xylene	nzene	< 0.025 0.037 "J" 3.05 0.63 1.31 0.36	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	0.0079 0.014 0.01 0.011 0.012 0.015	0.025 I 0.046 I 0.032 I 0.036 1 0.037 I 0.047 1	GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021		10/4/2017 10/4/2017 10/4/2017 10/4/2017 10/4/2017 10/4/2017	TCC TCC TCC TCC TCC TCC	1 1 1 1 1		
Lab Code Sample ID Sample Matrix Sample Date	5033672B G-1-3 Soil 10/2/2017	Result	Unit	LOD I	OQ Dil	Method	Ext Date	Run Date	Analyst	Code		
General General				202 2	-	5021		10/4/2017	NJC	1		
Solids Percent Organic PVOC + Napl	hthalene	87.6	% -		1	3021		10/4/2017	NJC	1		
Benzene Ethylbenzene Methyl tert-butyl of Naphthalene Toluene 1,2,4-Trimethylbe 1,3,5-Trimethylbe m&p-Xylene o-Xylene	ether (MTBE) nzene	<0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.05 <0.05	5 mg/kg 5 mg/kg 5 mg/kg 5 mg/kg 5 mg/kg 5 mg/kg mg/kg	0.019 0.01 0.0079 0.022 0.014 0.01 0.011 0.012 0.015	0.06 1 0.032 I 0.025 I 0.07 I 0.046 I 0.032 1 0.036 I 0.037 I 0.047 I	GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021	. •	10/6/2017 10/6/2017 10/6/2017 10/6/2017 10/6/2017 10/6/2017 10/6/2017 10/6/2017	TCC	1 1 1 1 1 1 1		

Project Name WAUBEKA MILL

Project #

Lab Code 5033672C Sample ID G-1-5 Sample Matrix Soil Sample Date 10/2/2017

Sample Date	10/2/2017	Result		Unit	LOD	LOQ	Dil		Method	Ext Date	Run Date	Analyst	Code
General													
General													
Solids Percent		88.1		%				1	5021		10/4/2017	NJC	1
Organic													
PAH SIM													
Acenaphthene			< 0.0151	mg/kg	0.015	1 0.0	481	1	M8270C	10/5/2017	10/5/2017	NJC	!
Acenaphthylene			< 0.0159		0.015	9 0.0	508	1	M8270C	10/5/2017	10/5/2017	NJC	1
Anthracene			< 0.0109		0.010	9 0.0	345	1	M8270C	10/5/2017	10/5/2017	NJC	l
Benzo(a)anthracer	ne		< 0.0116		0.011	6 0.	037	1	M8270C	10/5/2017	10/5/2017	NJC	į
Benzo(a)pyrene			< 0.0113		0.011	3 0.0	359	1	M8270C	10/5/2017	10/5/2017	NJC	1
Benzo(b)fluoranth	епе		< 0.013	mg/kg	0.01	3 0.	041	1	M8270C	10/5/2017	10/5/2017	NJC	1
Benzo(g,h,i)peryle		12.	< 0.0114		0.011	4 0.	036	1	M8270C	10/5/2017	10/5/2017	NJC	l
Benzo(k)fluoranth			< 0.0147		0.014	7 0.0	469	1	M8270C	10/5/2017	10/5/2017	NJC	l .
Chrysene	10110		< 0.0121	mg/kg	0.012	1 0.0	383	1	M8270C	10/5/2017	10/5/2017	NJC	1
Dibenzo(a,h)anthi	racene		< 0.0078		0.007	8 0.0	251	1	M8270C	10/5/2017	10/5/2017	NJC	1
Fluoranthene	decile		< 0.0147		0.014	7 0.0	469	1	M8270C	10/5/2017	10/5/2017	NJC	1
Fluorene			< 0.0179	~ -	0.017	9 0.	057	1	M8270C	10/5/2017	10/5/2017	NJC	1
Indeno(1,2,3-cd)p	vrene		< 0.0114		0.011	4 0.0	362	1	M8270C	10/5/2017	10/5/2017	NJC	l .
I-Methyl naphtha	•		< 0.0203		0.020	3 0.0	645	Ī	M8270C	10/5/2017	10/5/2017	NJC	1
2-Methyl naphtha			< 0.0113		0.011	3 0.0	358	1	M8270C	10/5/2017	10/5/2017	NJC	1
Naphthalene			< 0.0153		0.015	3 0.0	486	1	M8270C	10/5/2017	10/5/2017	NJC	1
Phenanthrene			< 0.0111	~ -	0.011	1 0.0	352	1	M8270C	10/5/2017	10/5/2017	NJC	1
Pyrene			< 0.0153		0.015	3 0.0	487	Ī	M8270C	10/5/2017	10/5/2017	NJC	i
PVOC				5 0									
			< 0.025	mg/kg	0.01	0	0.06	1	GRO95/8021		10/4/2017	TCC	1
Benzene			< 0.025	mg/kg	0.0	-	032	ī	GRO95/8021		10/4/2017	TCC	1
Ethylbenzene	AL AMPLEX		< 0.025	mg/kg	0.007		025	i	GRO95/8021		10/4/2017	TCC	Ī
Methyl tert-butyl	etner (MTBE)		< 0.025	mg/kg	0.01		.046	í	GRO95/8021		10/4/2017	TCC	1
Toluene					0.0		.032	1	GRO95/8021		10/4/2017	TCC	1
1,2,4-Trimethylbo			< 0.025 < 0.025	mg/kg mg/kg	0.01		.036	i	GRO95/8021		10/4/2017	TCC	1
1,3,5-Trimethylbe	enzene		< 0.023	mg/kg	0.01		.037	i	GRO95/8021		10/4/2017	TCC	Ţ
m&p-Xylene					0.01		.047	1	GRO95/8021		10/4/2017	TCC	1
o-Xylene	•		< 0.025	mg/kg	0.01	. J U	,υτ/	1	01(075)0021				

WAUBEKA MILL Project Name

Project #

o-Xylene

Lab Code 5033672D Sample ID G-2-1 Sample Matrix Soil

10/2/2017 Sample Date Ext Date Run Date Analyst Code LOD LOQ Dil Method Unit Result General General NJC 1 10/4/2017 5021 % 91.5 Solids Percent Inorganic Metals 10/11/2017 CWT 1 6010B 0.17 0.58 1 mg/Kg 8.61 Lead, Total Organic **PAH SIM** NJC 1 0.0481 M8270C 10/5/2017 10/5/2017 1 0.0151 < 0.0151 mg/kg Acenaphthene 10/5/2017 NJC 1 10/5/2017 < 0.0159 0.0159 0.0508 1 M8270C mg/kg Acenaphthylene NJC 1 10/5/2017 M8270C 10/5/2017 0.0345 I 0.0109 < 0.0109 mg/kg Anthracene 10/5/2017 10/5/2017 NJC I M8270C 0.037 1 < 0.0116 mg/kg 0.0116 Benzo(a)anthracene NJC 1 10/5/2017 M8270C 10/5/2017 0.0113 0.0359 1 < 0.0113 mg/kg Benzo(a)pyrene 10/5/2017 10/5/2017 NJC 1 0.041 M8270C < 0.013 mg/kg 0.013 Benzo(b)fluoranthene NJC 1 10/5/2017 M8270C 10/5/2017 0.036 1 0.0114 < 0.0114 mg/kg Benzo(g,h,i)perylene 10/5/2017 10/5/2017 NJC I < 0.0147 0.0147 0.0469 1 M8270C mg/kg Benzo(k)fluoranthene NJC 10/5/2017 M8270C 10/5/2017 0.0121 0.0383 1 < 0.0121 mg/kg Chrysene 10/5/2017 10/5/2017 NJC M8270C 0.0078 0.0251 < 0.0078 mg/kg Dibenzo(a,h)anthracene NJC 1 10/5/2017 10/5/2017 0.0469 M8270C 0.0147 < 0.0147 mg/kg Fluoranthene 10/5/2017 NJC 1 M8270C 10/5/2017 0.0179 0.057 1 < 0.0179 mg/kg Fluorene 10/5/2017 NJC 10/5/2017 M8270C 0.0362 mg/kg 0.0114 < 0.0114 Indeno(1,2,3-cd)pyrene NJC 10/5/2017 10/5/2017 1 0.0645 M8270C 0.0203< 0.0203 mg/kg 1-Methyl naphthalene 10/5/2017 NJC 10/5/2017 0.0358 M8270C 0.0113 < 0.0113 mg/kg 2-Methyl naphthalene 10/5/2017 10/5/2017 NJC 1 M8270C mg/kg 0.0486 0.0153 1 < 0.0153Naphthalene NJC 10/5/2017 10/5/2017 1 0.0352 M8270C 0.0111 < 0.0111 mg/kg Phenanthrene NJC 1 10/5/2017 10/5/2017 M8270C 0.0487 1 0.0203 "J" mg/kg 0.0153 Pyrene **PVOC** TCC 1 10/4/2017 GRO95/8021 0.019 0.06 1 < 0.025 mg/kg Benzene TCC 1 10/4/2017 GRO95/8021 0.01 0.032 < 0.025 mg/kg Ethylbenzene TCC GRO95/8021 10/4/2017 1 0.0079 0.025 < 0.025 mg/kg Methyl tert-butyl ether (MTBE) TCC ł 10/4/2017 GRO95/8021 0.014 0.046 < 0.025 mg/kg Toluene 1 10/4/2017 TCC 0.032 GRO95/8021 0.01 < 0.025 mg/kg 1,2,4-Trimethylbenzene 10/4/2017 TCC 1 GRO95/8021 0.011 0.036 1 < 0.025 mg/kg 1,3,5-Trimethylbenzene TCC 1 10/4/2017 0.037 I GRO95/8021 0.012 < 0.05 mg/kg m&p-Xylene 10/4/2017 TCC ŀ GRO95/8021 mg/kg 0.015 0.047 1 < 0.025

Project Name Project #	WAUBEKA	MILL				Invoi	ce# E3367	72		
Lab Code Sample ID Sample Matrix Sample Date	5033672E G-2-3 Soil 10/2/2017						T 10 1	D D .t.	A bose	Cada
•		Result	Unit	rod r	OQ Dil	Method	Ext Date	Run Date	Anaiyst	Code
General										
General		0.7.1	0/		1	5021		10/4/2017	NJC	1
Solids Percent		87.1	%		1	3021		10/4/2017	1130	•
Organic										
PVOC + Naph Benzene Ethylbenzene Methyl tert-butyl e Naphthalene Toluene 1,2,4-Trimethylben 1,3,5-Trimethylben m&p-Xylene o-Xylene Lab Code Sample ID	ther (MTBE)	 0.0 > 	mg/kg	0.019 0.01 0.0079 0.022 0.014 0.01 0.011 0.012	0.06 J 0.032 I 0.025 I 0.07 1 0.046 I 0.032 I 0.036 J 0.037 J 0.047 1	GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021		10/4/2017 10/4/2017 10/4/2017 10/4/2017 10/4/2017 10/4/2017 10/4/2017 10/4/2017	TCC	1 1 1 1 1 1 1
Sample Matrix										
Sample Date	10/2/2017									
•		Result	Unit	LOD L	OQ Dil	Method	Ext Date	Run Date	Analyst	Code
General General Solids Percent		91.3	%		1	5021		10/4/2017	NJC	l
Organic										
PVOC + Napi	hthalene	- 0	025 ma/lsa	0.019	0.06 1	GRO95/8021		10/4/2017	TCC	1
Benzene Ethylbenzene		< 0.4 < 0.4		0.019	0.032	GRO95/8021		10/4/2017	TCC	1
Methyl tert-butyl	ether (MTBE)	< 0.	025 mg/kg	0.0079	0.025	GRO95/8021		10/4/2017	TCC	1
Naphthalene		< 0.		0.022 0.014	0.07 1 0.046 1	GRO95/8021 GRO95/8021		10/4/2017 10/4/2017	TCC TCC	1
Toluene 1,2,4-Trimethylbe	nzene	< 0. < 0.		0.014	0.046	GRO95/8021		10/4/2017	TCC	ì
1,3,5-Trimethylbe		< 0.		0.011	0.036 I	GRO95/8021		10/4/2017	TCC	1
m&p-Xylene o-Xylene		< 0. < 0.		0.012 0.015	0.037 l 0.047 l	GRO95/8021 GRO95/8021		10/4/2017 10/4/2017	TCC TCC]

Invoice # E33672

Project Name

WAUBEKA MILL

Project #

Lab Code 5033672G Sample ID G-3-1 Sample Matrix Soil Sample Date 10/2/2017

Sample Date	10/2/2017							E (D)	D D.4-	A 14	Cada
		Result	Unit	LOD	rog d	H	Method	Ext Date	Run Date	Anaiyst	Code
General											
General											
Solids Percent		82.0	%			1	5021		10/4/2017	NJC	1
Inorganic				-							
Metals											
Lead, Total		35.1	mg/Kg	0.1	7 0.58	i	6010B		10/11/2017	CWT	1
Organic		JJ.1									
PAH SIM		. 0.0151		0.015	1 00401	,	M8270C	10/5/2017	10/5/2017	NJC	1
Acenaphthene		< 0.0151		0.015		1	M8270C M8270C	10/3/2017	10/5/2017	NJC	1
Acenaphthylene		< 0.0159		0.015		1	M8270C M8270C	10/5/2017	10/5/2017	NJC	1
Anthracene		< 0.0109		0.010		1	M8270C M8270C	10/5/2017	10/5/2017	NJC	1
Benzo(a)anthracene		0.0218 "J"	mg/kg	0.011		1	M8270C M8270C	10/5/2017	10/5/2017	NJC	i
Benzo(a)pyrene		0.0213 "J"	mg/kg	0.011		1	M8270C M8270C	10/5/2017	10/5/2017	NJC	1
Benzo(b)fluoranthene		0.033 "J"	mg/kg	0.011		,	M8270C M8270C	10/5/2017	10/5/2017	NJC	i
Benzo(g,h,i)perylene		0.084	mg/kg	0.011		1	M8270C	10/5/2017	10/5/2017	NJC	1
Benzo(k)fluoranthene	,	0.0186 "J" 0.0257 "J"	mg/kg	0.014		1	M8270C	10/5/2017	10/5/2017	NJC	i
Chrysene		< 0.0237 3	mg/kg mg/kg	0.012		1	M8270C	10/5/2017	10/5/2017	NJC	i
Dibenzo(a,h)anthrace	ne	0.0078	mg/kg	0.007	-	1	M8270C	10/5/2017	10/5/2017	NJC	i
Fluoranthene Fluorene		< 0.048		0.017		Ī	M8270C	10/5/2017	10/5/2017	NJC	Ī
Indeno(1,2,3-cd)pyre	na	0.0185 "J"	mg/kg	0.011		i	M8270C	10/5/2017	10/5/2017	NJC	1
1-Methyl naphthalen		< 0.0203		0.020		i	M8270C	10/5/2017	10/5/2017	NJC	1
2-Methyl naphthalen		< 0.0113		0.011		i	M8270C	10/5/2017	10/5/2017	NJC	1
Naphthalene	•	< 0.0153		0.015		1	M8270C	10/5/2017	10/5/2017	NJC	1
Phenanthrene		0.0155 "J"	mg/kg	0.011		1	M8270C	10/5/2017	10/5/2017	NJC	l
Pyrene		0. 0 45 "J"	mg/kg	0.015		1	M8270C	10/5/2017	10/5/2017	NJC	1
PVOC		0.010									
Benzene		< 0.025	mg/kg	0.01	9 0.06	1	GRO95/8021		10/4/2017	TCC	1
Ethylbenzene		< 0.025	mg/kg	0.0		i	GRO95/8021		10/4/2017	TCC	i
Methyl tert-butyl eth	or (MTDE)	< 0.025	mg/kg	0.007		i	GRO95/8021		10/4/2017	TCC	l
Toluene	er (MITBE)	< 0.025	mg/kg	0.01		i	GRO95/8021		10/4/2017	TCC	1
1,2,4-Trimethylbenze	ene	< 0.025		0.0		1	GRO95/8021		10/4/2017	TCC	1
1,3,5-Trimethylbenze		< 0.025	mg/kg	0.01]	GRO95/8021		10/4/2017	TCC	1
m&p-Xylene		< 0.05	mg/kg	0.01		1	GRO95/8021		10/4/2017	TCC	1
o-Xylene		< 0.025	mg/kg	0.01		1	GRO95/8021		10/4/2017	TCC	1
,		2									

Project Name Project #	WAUBEKA	MILL	Invoice # E33672								
Lab Code Sample ID Sample Matrix Sample Date	5033672H G-3-3 Soil 10/2/2017	D l4	Unit	LOD L	oo nii	Method	Ext Date	Run Date	Analyst	Code	
General		Result	Umt	LOD L	OQ DII	Method	DAI Date	Run Butt	11111111	00	
General Solids Percent		86.6	%		1	5021		10/4/2017	NJC	1	
Organic PVOC + Napl	nthalene										
Benzene Ethylbenzene Methyl tert-butyl e Naphthalene Toluene 1,2,4-Trimethylber 1,3,5-Trimethylber m&p-Xylene o-Xylene	ther (MTBE)	< 0.025 < 0.025 < 0.025 < 0.025 < 0.025 < 0.025 < 0.025 < 0.025 < 0.05 < 0.025	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	0.019 0.01 0.0079 0.022 0.014 0.01 0.011 0.012 0.015	0.06 I 0.032 I 0.025 I 0.07 I 0.046 I 0.032 I 0.036 I 0.037 I 0.047 I	GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021		10/4/2017 10/4/2017 10/4/2017 10/4/2017 10/4/2017 10/4/2017 10/4/2017 10/4/2017	TCC TCC TCC TCC TCC TCC TCC TCC TCC		
Lab Code Sample ID Sample Matrix Sample Date	5033672I G-3-5 Soil 10/2/2017	Result	Unit	LOD L	 OO Dil	Method	Ext Date	Run Date	Analyst	Code	
General General Solids Percent		86.3	%	202 -	1	5021		10/4/2017	NJC	i	
Organic PVOC + Napi Benzene Ethylbenzene Methyl tert-butyl Naphthalene Toluene 1,2,4-Trimethylbe 1,3,5-Trimethylbe	ether (MTBE)	< 0.025 < 0.025 < 0.025 < 0.025 < 0.025 < 0.025 < 0.025	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	0.019 0.01 0.0079 0.022 0.014 0.01	0.06 1 0.032 1 0.025 1 0.07 1 0.046 1 0.032 1 0.036 1	GRO95/8021 GRO95/8021 GRO95/8021		10/4/2017 10/4/2017 10/4/2017 10/4/2017 10/4/2017 10/4/2017 10/4/2017	TCC TCC TCC TCC TCC TCC TCC TCC	1 1 1 1 1 1 1	
m&p-Xylene o-Xylene		< 0.05 < 0.025	mg/kg mg/kg	0.012 0.015	0.037 1 0.047 1	GRO95/8021 GRO95/8021		10/4/2017	TCC	i	

Project Name WAUBEKA MILL
Project #
Lab Code 5033672J
Sample ID G-4-1
Sample Matrix Soil

Sample Date	10/2/2017					00 P:		3.4 - 4 l d	Evt Doto	Run Date	Analyst	Code
		Result		Unit	rod i	OQ DI		Method	Ext Date	Kun Date	Allaiyst	Coue
General												
General										10/10015	VIIO	
Solids Percent		88.2		%			1	5021		10/4/2017	NJC	ı
Inorganic												
Metals												
Lead, Total		15.1		mg/Kg	0.17	0.58	1	6010B		10/11/2017	CWT	1
Organic												
_												
PAH SIM			-0.0151		0.0151	0.0481	1	M8270C	10/5/2017	10/5/2017	NJC	1
Acenaphthene			< 0.0151	mg/kg	0.0151	0.0508	1	M8270C M8270C	10/5/2017	10/5/2017	NJC	i
Acenaphthylene			< 0.0159 < 0.0109	mg/kg	0.0139	0.0308	1	M8270C	10/5/2017	10/5/2017	NJC	i
Anthracene				mg/kg	0.0109	0.0343	1	M8270C	10/5/2017	10/5/2017	NJC	1
Benzo(a)anthracene			< 0.0116	mg/kg	0.0113	0.0359	í	M8270C	10/5/2017	10/5/2017	NJC	i
Benzo(a)pyrene			< 0.0113	mg/kg	0.0113	0.0339	1	M8270C M8270C	10/5/2017	10/5/2017	NJC	i
Benzo(b)fluoranther			< 0.013 < 0.0114	mg/kg mg/kg	0.013	0.041	Ī	M8270C	10/5/2017	10/5/2017	NJC	i
Benzo(g,h,i)perylen			< 0.0114	mg/kg	0.0114	0.036	i	M8270C	10/5/2017	10/5/2017	NJC	i
Benzo(k)fluoranthe	ie		< 0.0147	mg/kg	0.0147	0.0383	i	M8270C	10/5/2017	10/5/2017	NJC	1
Chrysene Dibenzo(a,h)anthrac			< 0.0121	mg/kg	0.0121	0.0251	1	M8270C	10/5/2017	10/5/2017	NJC	1
Fluoranthene	zene		< 0.0078	mg/kg	0.0147	0.0469	1	M8270C	10/5/2017	10/5/2017	NJC	1
Fluorantiene			< 0.0179	mg/kg	0.0179	0.057	ī	M8270C	10/5/2017	10/5/2017	NJC	1
Indeno(1,2,3-cd)pyr	ene		< 0.0173	mg/kg	0.0114	0.0362	í	M8270C	10/5/2017	10/5/2017	NJC	1
1-Methyl naphthale			< 0.0203	mg/kg	0.0203	0.0645	i	M8270C	10/5/2017	10/5/2017	NJC	I
2-Methyl naphthale			< 0.0203	mg/kg	0.0113	0.0358	1	M8270C	10/5/2017	10/5/2017	NJC	1
Naphthalene			< 0.0153		0.0153	0.0486	1	M8270C	10/5/2017	10/5/2017	NJC	1
Phenanthrene			< 0.0111	mg/kg	0.0111	0.0352	1	M8270C	10/5/2017	10/5/2017	NJC	1
Pyrene			< 0.0153		0.0153	0.0487	1	M8270C	10/5/2017	10/5/2017	NJC	1
PVOC			0.0									
			< 0.025	mg/kg	0.019	0.06	1	GRO95/8021		10/4/2017	TCC	1
Benzene			< 0.025	mg/kg	0.019	0.032	1	GRO95/8021		10/4/2017	TCC	t
Ethylbenzene	has (MATRE)		< 0.025	mg/kg	0.0079	0.025	i	GRO95/8021		10/4/2017	TCC	1
Methyl tert-butyl et Toluene	HET (IVITBE)		< 0.025	mg/kg	0.014	0.025	1	GRO95/8021		10/4/2017	TCC	1
1,2,4-Trimethylben	zene		< 0.025	mg/kg	0.01	0.032	Ī	GRO95/8021		10/4/2017	TCC	1
1,3,5-Trimethylben			< 0.025	mg/kg	0.011	0.036	Ī	GRO95/8021		10/4/2017	TCC	1
m&p-Xylene	20110		< 0.023	mg/kg	0.012	0.037	1	GRO95/8021		10/4/2017	TCC	1
o-Xylene			< 0.025	mg/kg	0.015	0.047	1	GRO95/8021		10/4/2017	TCC	1
0-Aylono			. 0.020	0 0								

Project Name V	WAUBEKA	MILL	Invoice # E33672								
Lab Code Sample ID Sample Matrix Sample Date	5033672K G-4-3 Soil 10/2/2017	Result	Unit	LOD L	OQ Dil	Method	Ext Date	Run Date	Analyst	Code	
General											
General Solids Percent		86.8	%		I	5021		10/4/2017	NJC	1	
Organic PVOC + Naph	thalene										
Benzene Ethylbenzene Methyl tert-butyl e Naphthalene Toluene 1,2,4-Trimethylber 1,3,5-Trimethylber m&p-Xylene o-Xylene	izene	< 0.025 < 0.025 < 0.025 < 0.025 < 0.025 < 0.025 < 0.025 < 0.05 < 0.05	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	0.019 0.01 0.0079 0.022 0.014 0.01 0.011 0.012	0.06 1 0.032 1 0.025 1 0.07 1 0.046 1 0.032 1 0.036 1 0.037 1	GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021		10/4/2017 10/4/2017 10/4/2017 10/4/2017 10/4/2017 10/4/2017 10/4/2017 10/4/2017	TCC TCC TCC TCC TCC TCC TCC TCC TCC	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Lab Code Sample ID Sample Matrix Sample Date	5033672L G-4-5 Soil 10/2/2017	D 11	T154	100.1	oo bii	Method	Evt Date	Run Date	Analyst	Code	
General		Result	Unit	FOD I	OQ Dil	Method	Ext Date	Run Date	Anaiyst	Couc	
General General Solids Percent		85.7	%		1	5021		10/4/2017	NJC	1	
Organic	.1 7										
PVOC + Napl Benzene Ethylbenzene Methyl tert-butyl of Naphthalene Toluene 1,2,4-Trimethylbe 1,3,5-Trimethylbe m&p-Xylene o-Xylene	ether (MTBE)	< 0.025 < 0.025 < 0.025 < 0.025 < 0.025 < 0.025 < 0.05 < 0.05	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	0.019 0.01 0.0079 0.022 0.014 0.01 0.011 0.012	0.06 I 0.032 I 0.025 I 0.07 I 0.046 I 0.032 I 0.036 I 0.037 I 0.047 I	GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021		10/4/2017 10/4/2017 10/4/2017 10/4/2017 10/4/2017 10/4/2017 10/4/2017 10/4/2017	TCC TCC TCC TCC TCC TCC TCC TCC	1 1 1 1 1 1 1	

Project Name Project #	WAUBEKA	MILL	Invoice # E33672								
Lab Code Sample ID Sample Matrix Sample Date	10/2/2017	Result	Unit	LOD LO	OO Dil	Method	Ext Date	Run Date	Analyst	Code	
General		Result	Ome	EOD E	3Q D	1.101.100	2711 25 411				
General Solids Percent		89.6	%		1	5021		10/4/2017	NJC	ì	
Organic PVOC + Naph	ithalene		7.0		·						
Benzene Ethylbenzene Methyl tert-butyl e Naphthalene Toluene 1,2,4-Trimethylber 1,3,5-Trimethylber m&p-Xylene o-Xylene	ther (MTBE)	< 0.025 < 0.025 < 0.025 < 0.025 < 0.025 < 0.025 < 0.025 < 0.05 < 0.05	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	0.019 0.01 0.0079 0.022 0.014 0.01 0.011 0.012 0.015	0.06 0.032 1 0.025 1 0.046 1 0.032 1 0.036 1 0.037 1 0.047 1	GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021		10/4/2017 10/4/2017 10/4/2017 10/4/2017 10/4/2017 10/4/2017 10/4/2017 10/4/2017	TCC	1 1 1 1 1 1 1 1	
Lab Code Sample ID Sample Matrix Sample Date	5033672N G-5-4 Soil 10/2/2017	Result	Unit	LOD L	OO Dil	Method	Ext Date	Run Date	Analyst	Code	
General					•				-		
General Solids Percent Organic		89.2	%		1	5021		10/4/2017	NJC	1	
PVOC + Napl Benzene Ethylbenzene Methyl tert-butyl of Naphthalene Toluene 1,2,4-Trimethylbe 1,3,5-Trimethylbe m&p-Xylene o-Xylene	ether (MTBE)	< 0.025 < 0.025 < 0.025 < 0.025 < 0.025 < 0.025 < 0.025 < 0.025 < 0.05	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	0.019 0.01 0.0079 0.022 0.014 0.01 0.011 0.012	0.06 1 0.032 1 0.025 I 0.07 1 0.046 I 0.032 I 0.036 1 0.037 1 0.047 1	GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021		10/4/2017 10/4/2017 10/4/2017 10/4/2017 10/4/2017 10/4/2017 10/4/2017 10/4/2017	TCC TCC TCC TCC TCC TCC TCC TCC	1 1 1 1 1 1 1 1	

Project Name Project #	WAUBEKA	MILL				Invoi	ce# E3367	72		
Lab Code Sample ID Sample Matrix Sample Date	50336720 G-6-1 Soil 10/2/2017	Result	Unit	LOD L	OQ Dil	Method	Ext Date	Run Date	Analyst	Code
General		200011	0						•	
General Solids Percent		92.1	%		1	5021		10/4/2017	NJC	1
Organic										
PVOC + Napl Benzene Ethylbenzene Methyl tert-butyl of Naphthalene Toluene 1,2,4-Trimethylbe 1,3,5-Trimethylbe m&p-Xylene o-Xylene	ether (MTBE)	< 0.025 < 0.025 < 0.025 < 0.025 < 0.025 < 0.025 < 0.025 < 0.025 < 0.025 < 0.05	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	0.019 0.01 0.0079 0.022 0.014 0.01 0.011 0.012	0.06 1 0.032 1 0.025 1 0.07 1 0.046 1 0.032 1 0.036 1 0.037 1 0.047 1	GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021		10/5/2017 10/5/2017 10/5/2017 10/5/2017 10/5/2017 10/5/2017 10/5/2017 10/5/2017	TCC	1 1 1 1 1 1 1
Lab Code Sample ID Sample Matrix Sample Date	5033672P G-6-4 Soil 10/2/2017									
0 1		Result	Unit	LOD I	OQ Dil	Method	Ext Date	Run Date	Analyst	Code
General General Solids Percent Organic	l di class	87.0	%		i	5021		10/4/2017	NJC	1
PVOC + Nap Benzene Ethylbenzene Methyl tert-butyl Naphthalene Toluene 1,2,4-Trimethylbe 1,3,5-Trimethylbe m&p-Xylene o-Xylene	ether (MTBE)	< 0.025 < 0.025 < 0.025 < 0.025 < 0.025 < 0.025 < 0.025 < 0.025	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	0.019 0.01 0.0079 0.022 0.014 0.01 0.011 0.012	0.06 1 0.032 1 0.025 1 0.07 1 0.046 1 0.032 1 0.036 1 0.037 1 0.047 1	GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021		10/5/2017 10/5/2017 10/5/2017 10/5/2017 10/5/2017 10/5/2017 10/5/2017 10/5/2017	TCC	1 1 1 1 1 1 1

Project Name Project #	WAUBEKA	MILL	LL Invoice # E33672								
Lab Code Sample ID Sample Matrix Sample Date	5033672Q G-7-1 Soil 10/2/2017	Result	Unit	LOD L	oo bil	Method	Ext Date	Run Date	Analyst	Code	
General		Result	Oilit	LOD L	OQ DII	Michiga	BAI Date	Run Dute	111141,50	0000	
General Solids Percent		88.5	%		Ī	5021		10/4/2017	NJC	1 .	
Organic PVOC + Naph Benzene Ethylbenzene Methyl tert-butyl e Naphthalene Toluene 1,2,4-Trimethylben 1,3,5-Trimethylben m&p-Xylene o-Xylene Lab Code Sample ID Sample Matrix	other (MTBE) nzene nzene 5033672R G-7-3	< 0.025 < 0.025 < 0.025 < 0.025 < 0.025 < 0.025 < 0.025 < 0.025 < 0.025	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	0.019 0.01 0.0079 0.022 0.014 0.01 0.011 0.012	0.06 1 0.032 1 0.025 1 0.07 1 0.046 1 0.032 1 0.036 1 0.037 1	GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021		10/5/2017 10/5/2017 10/5/2017 10/5/2017 10/5/2017 10/5/2017 10/5/2017 10/5/2017	TCC TCC TCC TCC TCC TCC TCC TCC TCC	1 1 1 1 1 1 1	
Sample Matrix Sample Date	10/2/2017						B (B)	.	4 14	0.4.	
a .		Result	Unit	LOD L	OQ Dil	Method	Ext Date	Run Date	Analyst	Code	
General General Solids Percent Organic		89.0	%		ı	5021		10/4/2017	NJC	1	
PVOC + Napl Benzene Ethylbenzene Methyl tert-butyl of Naphthalene Toluene 1,2,4-Trimethylbe 1,3,5-Trimethylbe m&p-Xylene o-Xylene	ether (MTBE) nzene	< 0.025 < 0.025 < 0.025 < 0.025 < 0.025 < 0.025 < 0.025 < 0.05 < 0.05	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	0.019 0.01 0.0079 0.022 0.014 0.01 0.011 0.012	0.06 I 0.032 I 0.025 I 0.07 I 0.046 I 0.032 I 0.036 I 0.037 I 0.047 I	GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021		10/5/2017 10/5/2017 10/5/2017 10/5/2017 10/5/2017 10/5/2017 10/5/2017 10/5/2017	TCC	1 1 1 1 1 1 1	

Project Name Project #	WAUBEKA	A MILL Invoice # E33672								
Lab Code Sample ID Sample Matrix Sample Date	5033672S HA-1-1 Soil 10/2/2017									
Sample Date	10/2/2017	Result	Unit	LOD L	OQ Dil	Method	Ext Date	Run Date	Analyst	Code
General	-	11000			-					
General										
Solids Percent		69.4	%		1	5021		10/4/2017	ИJС	1
Organic										
PVOC + Napl	nthalene									
Benzene		< 0.02	25 mg/kg	0.019	0.06 1	GRO95/8021		10/5/2017	TCC	1 1
Ethylbenzene		< 0.02		0.01	0.032	GRO95/8021 GRO95/8021		10/5/2017 10/5/2017	TCC TCC	1
Methyl tert-butyl e	ether (MTBE)	< 0.00 < 0.00		0.0079 0.022	0.025 1 0.07 1	GRO95/8021		10/5/2017	TCC	i
Naphthalene Toluene		< 0.0		0.022	0.046	GRO95/8021		10/5/2017	TCC	1
1,2,4-Trimethylbe	nzene	< 0.0		10.0	0.032 1	GRO95/8021		10/5/2017	TCC TCC	i I
1,3,5-Trimethylbe		< 0.03		0.011	0.036 1	GRO95/8021		10/5/2017 10/5/2017	TCC	1
m&p-Xylene		< 0.0 < 0.0		0.012 0.015	0.037 1 0.047 1	GRO95/8021 GRO95/8021		10/5/2017	TCC	i
o-Xylene		< 0.0.	23 mg/kg	0.015	0.017	0.1.070.01				
Lab Code	5033672T	÷								
Sample ID	MEOH BL	ANK.								
Sample Matrix										
Sample Date	10/2/2017			* OD *	00 01	Mathad	Ext Data	Run Date	Analyst	Code
		Result	Unit	LOD L	OQ Dil	Method	Ext Date	Kun Date	Milaryst	0040
Organic										
PVOC + Nap	hthalene		0.5 #	0.010	0.06 1	GRO95/8021		10/4/2017	TCC	i
Benzene		< 0.0 < 0.0	·	0.019 0.01	0.032 1	GRO95/8021		10/4/2017	TCC	1
Ethylbenzene Methyl tert-butyl	ether (MTRE)	< 0.0	·	0.0079	0.025	GRO95/8021		10/4/2017	TCC	1
Naphthalene	· · · · · · · · · · · · · · · · · · ·	< 0.0	25 mg/kg	0.022	0.07 1	GRO95/8021		10/4/2017	TCC TCC	l I
Toluene		< 0.0		0.014 0.01	0.046 l 0.032 l	GRO95/8021 GRO95/8021		10/4/2017 10/4/2017	TCC	i
1,2,4-Trimethylbe		< 0.0 < 0.0		0.01	0.032	GRO95/8021		10/4/2017	TCC	1
1,3,5-Trimethylb m&p-Xylene	SHZCRC	< 0.0		0.012	0.037 1	GRO95/8021		10/4/2017	TCC	l ,
o-Xylene		< 0.0	125 mg/kg	0.015	0.047 1	GRO95/8021		10/4/2017	TCC	1
Lab Code	5033672U	l								
Sample ID	G-2-W									
Sample Matri										
Sample Date	10/2/2017									
<u>k</u> -		Result	Unit	LOD I	LOQ Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naj	ohthalene							10/5/0017	TCC	1
Benzene		0.47 "J"	ug/l	0.27	0.87 1	GRO95/8021 GRO95/8021		10/5/2017 10/5/2017	TCC TCC	1
Ethylbenzene	Latinan (NATIDITY	< 0.: < 0.		0.56 0.43	1.77 1 1.36 1			10/5/2017	TCC	1
Methyl tert-butyl Naphthalene	emer (WHE)	< 1.		1.7	5.27			10/5/2017	TCC	İ
Toluene		0.38 "J"	ug/l	0.33	1.06 1			10/5/2017	TCC TCC]]
1,2,4-Trimethylb		< 0.		0.56	1.78 1 1.84 1			10/5/2017 10/5/2017	TCC	1
1,3,5-Trimethylb	enzene	< 0. < 1.		0.58	1.84 I 3.49 I			10/5/2017	TCC	1
m&p-Xylene o-Xylene		< 0.		0.61	1.92			10/5/2017	TCC	1
0-Aylone		- 0.								

Project Name Project #	WAUBEKA	A MILL Invoice # E33672										
Lab Code Sample ID Sample Matrix Sample Date	5033672V G-4-W Water 10/2/2017	Result	Unit	LOD L	OQ Dil	Method	Ext Date	Run Date Analyst	Code			
Organic PVOC + Naph Benzene Ethylbenzene Methyl tert-butyl e Naphthalene Toluene 1,2,4-Trimethylber 1,3,5-Trimethylber m&p-Xylene o-Xylene	ther (MTBE)	< 0.27 < 0.56 < 0.43 < 1.7 < 0.33 < 0.56 < 0.58 < 1.1 < 0.61	ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/l	0.27 0.56 0.43 1.7 0.33 0.56 0.58 1.1 0.61	0.87 1.77 1.36 1.5.27 1.06 1.78 1.84 1.3.49 1.92 1	GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021		10/5/2017 TCC 10/5/2017 TCC 10/5/2017 TCC 10/5/2017 TCC 10/5/2017 TCC 10/5/2017 TCC 10/5/2017 TCC 10/5/2017 TCC 10/5/2017 TCC	1 1 1 1 1 1 1			
Lab Code Sample ID Sample Matrix Sample Date	G-1-W	Result	Unit	LOD L	OO Dil	Method	Ext Date	Run Date Analyst	Code			
Organic PVOC + Napl Benzene Ethylbenzene Methyl tert-butyl e Naphthalene Toluene 1,2,4-Trimethylbe 1,3,5-Trimethylbe m&p-Xylene o-Xylene	ether (MTBE) nzene	5.4 90 < 0.43 2.26 "J" 4.8 79 22.5 146 38	ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/l	0.27 0.56 0.43 1.7 0.33 0.56 0.58 1.1	0.87 1.77 1.36 1.5.27 1.06 1.78 1.84 1.349 1.192 1	GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021		10/5/2017 TCC 10/5/2017 TCC 10/5/2017 TCC 10/5/2017 TCC 10/5/2017 TCC 10/5/2017 TCC 10/5/2017 TCC 10/5/2017 TCC 10/5/2017 TCC	1 1 1 1 1 1			
Lab Code Sample ID Sample Matrix Sample Date	5033672X G-3-W Water 10/2/2017	Result	Unit	LOD L	OQ Dil	Method	Ext Date	Run Date Analyst	Code			
Organic PVOC + Napl Benzene Ethylbenzene Methyl tert-butyl Naphthalene Toluene 1,2,4-Trimethylbe 1,3,5-Trimethylbe m&p-Xylene o-Xylene	ether (MTBE)	<0.27 0.76 "J" <0.43 <1.7 <0.33 <0.56 <0.58 3.06 "J" 1.33 "J"	ug/l ug/l ug/l ug/l ug/l	0.27 0.56 0.43 1.7 0.33 0.56 0.58 1.1	0.87 1 1.77 1 1.36 1 5.27 1 1.06 1 1.78 1 1.84 1 3.49 1 1.92 1	GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021		10/12/2017 TCC 10/12/2017 TCC	; ; 1 1 1 1 1 1			

Project Name N	WAUBEKA	A MILL Invoice # E33672										
Lab Code Sample ID Sample Matrix Sample Date	5033672Y G-6-W Water 10/2/2017	Result	Unit	LOD LO	OQ Dil	Method	Ext Date	Run Date Analyst	Code			
Organic PVOC + Naph Benzene Ethylbenzene Methyl tert-butyl et Naphthalene Toluene 1,2,4-Trimethylben 1,3,5-Trimethylben m&p-Xylene	ther (MTBE) zene	< 0.27 < 0.56 < 0.43 < 1.7 < 0.33 < 0.56 < 0.58	ug/l ug/l ug/l ug/l ug/l ug/l	0.27 0.56 0.43 1.7 0.33 0.56 0.58 1.1	0.87 1.77 1.36 1.5.27 1.06 1.78 1.84 1.3.49 1	GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021		10/12/2017 TCC 10/12/2017 TCC 10/12/2017 TCC 10/12/2017 TCC 10/12/2017 TCC 10/12/2017 TCC 10/12/2017 TCC 10/12/2017 TCC 10/12/2017 TCC 10/12/2017 TCC	1 1 1 1 1 1 1			
o-Xylene Lab Code Sample ID Sample Matrix Sample Date	5033672Z HA-1-W Water 10/2/2017	< 0.61	ug/l Unit	0.61	1.92 1	GRO95/8021	Fyt Date	10/12/2017 TCC Run Date Analyst				
Organic		Result	Unit	LOD LA	ווע אָר	Method	Ext Date	Kun Date Anaiyst	Couc			
PVOC + Naph Benzene Ethylbenzene Methyl tert-butyl e Naphthalene Toluene 1,2,4-Trimethylber 1,3,5-Trimethylber m&p-Xylene o-Xylene	ther (MTBE)	< 0.27 < 0.56 < 0.43 < 1.7 < 0.33 < 0.56 < 0.58 < 1.1 < 0.61	ug/l ug/l ug/l ug/l ug/l ug/l ug/l	0.27 0.56 0.43 1.7 0.33 0.56 0.58 1.1 0.61	0.87 I 1.77 I 1.36 I 5.27 I 1.06 I 1.78 I 1.84 I 3.49 I 1.92 I	GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021		10/5/2017 TCC 10/5/2017 TCC 10/5/2017 TCC 10/5/2017 TCC 10/5/2017 TCC 10/5/2017 TCC 10/5/2017 TCC 10/5/2017 TCC 10/5/2017 TCC 10/5/2017 TCC	1 1 1 1 1 1 1			
Lab Code Sample ID Sample Matrix Sample Date	533672AA HA-2-W Water 10/2/2017							*				
Organic PVOC + Naph Benzene Ethylbenzene Methyl tert-butyl e Naphthalene Toluene 1,2,4-Trimethylber 1,3,5-Trimethylber m&p-Xylene o-Xylene	ther (MTBE)	<pre></pre>	Unit ug/l ug/l ug/l ug/l ug/l ug/l ug/l	0.27 0.56 0.43 1.7 0.33 0.56 0.58 1.1	0.87 1 1.77 1 1.36 1 5.27 1 1.06 1 1.78 1 1.84 1 3.49 1 1.92 1	GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021	Ext Date	10/5/2017 TCC 10/5/2017 TCC 10/5/2017 TCC 10/5/2017 TCC 10/5/2017 TCC 10/5/2017 TCC 10/5/2017 TCC 10/5/2017 TCC 10/5/2017 TCC 10/5/2017 TCC	Code 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			

Project Name Project #	WAUBEKA	MILL	Invoice # E33672											
Lab Code Sample ID Sample Matrix Sample Date	533672BB HA-3-W Water 10/2/2017													
•		Result	Unit	LOD LO	OQ Dil	Method	Ext Date	Run Date	Analyst	Code				
Organic PVOC + Naph Benzene	thalene	< 0.27	ug/l	0.27	0.87 1	GRO95/8021		10/5/2017	TCC	1				
Ethylbenzene Methyl tert-butyl et Naphthalene Toluene 1,2,4-Trimethylben 1,3,5-Trimethylben m&p-Xylene o-Xylene	zene	< 0.56 < 0.43 < 1.7 < 0.33 < 0.56 < 0.58 < 1.1 < 0.61	ug/l ug/l ug/l ug/l ug/l ug/l	0.56 0.43 1.7 0.33 0.56 0.58 1.1 0.61	1.77 1 1.36 1 5.27 1 1.06 1 1.78 1 1.84 1 3.49 1 1.92 1	GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021		10/5/2017 10/5/2017 10/5/2017 10/5/2017 10/5/2017 10/5/2017 10/5/2017 10/5/2017	TCC TCC TCC TCC TCC TCC TCC TCC	1 1 1 1 1 1 1				
Lab Code Sample ID Sample Matrix Sample Date		NK Result	Unit	LOD LO	OQ Dil	Method	Ext Date	Run Date	Analyst	Code				
Organic														
PVOC + Naph	thalene													
Benzene Ethylbenzene		< 0.27 < 0.56	ug/l ug/l	0.27 0.56	0.87 1 1.77 1	GRO95/8021 GRO95/8021		10/5/2017 10/5/2017	TCC TCC TCC	1				
Methyl tert-butyl e Naphthalene	ther (MTBE)	< 0.43 < 1.7 < 0.33	ug/l ug/l	0.43 1.7 0.33	1.36 l 5.27 l 1.06 l	GRO95/8021 GRO95/8021 GRO95/8021		10/5/2017 10/5/2017 10/5/2017	TCC TCC	l İ				
Toluene 1,2,4-Trimethylber 1,3,5-Trimethylber		< 0.56 < 0.58	ug/l ug/l ug/l	0.56 0.58	1.78 1 1.84 1	GRO95/8021 GRO95/8021 -		10/5/2017 10/5/2017	TCC TCC	[[
m&p-Xylene o-Xylene	-	< 1.1 < 0.61	ug/l ug/l	1.1 0.61	3.49 1 1.92 1	GRO95/8021 GRO95/8021		10/5/2017 10/5/2017	TCC TCC	1				
"J" Flag: A	Analyte detected	between LOD and	LOQ	LOI	Limit of De	etection	LOQ Li	mit of Quantit	ation					

Code Comment

Laboratory QC within limits.

CWT denotes sub contract lab - Certification #445126660

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature

Michael Richer

Synergy

Chain	#	Νö	1
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LabilD.#	
Account No. :	Quote No.:
Project #:	

Environmental Lab, Inc.

1990 Prospect Ct + Appleton Wil 54914

Page 1 of 3

Sample Handling Request

Rush Analysis Date Required (Rushes accepted only with prior authorization)

Sampler: (signature) Thillie C Thillie	920-830-2455 • FAX 920-733-0631										✓ Normal Turn Around													
Project (Name / Location): 1/44/644 /4	ill / We	in bal	is, wi							Anal	ysis	Rec	ues	ted						w	Oth	er An	alys	iis
Reports To: Jacquelyn Voeks		Invo	oloe To:	Jacqui	elyn Voel	45			T. G. AND DANGE				and the second					and the same						
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Address 680 Emerald Pt Building	5, Cardo 7	~			the St., Sh	e 3			اي			188 Tribility	-	LE.	,	SOLIDS					2	5		
City State Zip Hollister, MO 65672		City	State Z	ip LaC	آسه بعذءه	54650		Sep 95)	GRO Sep 95)					I L		E S	N.			ry) years and an				
Phone 262-707-0735		Pho	ne 60	8-781-	8879		THE CONTROL OF THE PROPERTY OF	DHO S	28			8	1	3 5		8	54	6	S. S.					
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S G-1-5 D G-2-1	9:50	*************	- -		<u> </u>		1 / None	demokratik.			_	×	*******	١	-		***************************************							
& G-7-1	10:00	**************************************					1None	<u></u>		<u>a</u>	-	А		시.	-					-				
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Comments/Special Instructions (*Special Agent States) U&C Rates							ww". Soil "S" MBTCO/o							to	Μ6	- <i>τ</i> c	0)	A Salaranger	, manufacture and the second	Annual Control of the	ON Falmanususina	www.infugeritees	Party Myserovice a strict accom
		V SU(S)	× Reli	nuishad P	m. (sion)		Time		Oste	**************************************	Das	ak.m.	1 Eur		·		······································	~~~~~	Haran was before	·····	Time	ellerrerrerrerrerr		

Sample Integrity - To be completed by receiving lab.	illinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date
	MH cmille	10:00	10/3/17			
Method of ahirmant VSC				The control of the co		
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Cooler seal intact upon receipt 💆 Yes 🔣 No .			· · · · · · · · · · · · · · · · · · ·	The second secon	Assessment of the Assessment o	
Re	ocelved in Laboratory By:	\wedge		Time: 8-00	Date: 10/4	// S
		1	***************************************			

CHAIN OF JSTODY RECORD

Chain # Nº 305

Page 2 of 3

Rush Analysis Date Required (Rushes accepted only with prior authorization)

Sample Handling Request

Normal Turn Around

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Lab I.D. 4 Environmental Lab, Inc. Account No. : Quote No.: Project #: 1990 Prospect Ct. • Appleton, WI 54914

Sampler: (signature) Mitthe Cmiller. 920-830-2455 * FAX 920-733-0631

Project (Name / Location): Would to Mill / Woulde be wil **Analysis Requested** Other Analysis Reports To: Invoice To: Company Company TOTAL SUSPENDED SOLIDS Secloye Address Address PVOC + NAPHTHALENE DRO (Mod DRO Sep 95) GRO (Mod GRO Sep 95) City State Zip City State Zip VOC DW (EPA 542.2) VOC (EPA 8260) 8-RCRA METALS MTRATEMITRITE PVOC (EPA 8021) Phone Phone PAH (EPA 8270) OIL & GREASE PIO/ FAX FAX FID Sample Collection Filtered No. of LEAD Eap I De PCB Type Sample I.D. Comp Grab Preservation Date Time YAN Containers (Matrix)* 50256728 G-4-3 10/2 11:10 N Meoit 1.-4-5 11:15 16 G-5-1 13:05 d N 6-5-4 1)110 ø 6-6-13 15 人 P. 6-4 13.70 X 9 G-7-1 13:45 Z, R 6-7-3 12:55 ø. 1-1-1 C C 1.05 ø Me OH Blonk Comments/Special Instructions ("Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Olf, Studge etc.)

See Page I

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				Я	leceived in Laboratory By:	Chr	11	.	Time: 8 -	Date:/6/	<i>Wi</i> Z

CHAIN OF JSTODY RECORD

Account No. :

Quote No.:

Temp of Temp. Blank _____ *C On Ice _____

Cooler seal intact upon receipt: 🔀 Yes 🔻 No.



Chain # Nº 305

Page	3	of	3
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Time: 8-00

Date: 10

Environmental Lab. Inc.

Sample Handling Reque	10
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Project #: 1990 Prospect Ct. • Applet							t. • Appleton	Plon, WI 54914 — Hush Analysis Date Hequired (Rushes accepted only with prior authorization)																			
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Address	See Page"				ress		**************************************			-								SOLIDS					100,000			7000	
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Labita	Sample I.D.	1	ction Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DHO (R	GRO (M	LEAD	OIL & G	PAH (E)	PCB	PVOC (EPA 8021)	PVOC.	SULFATE	VOC DW (EPA 642.2)	VOC (EPA 8260)	8-RCHA METALS						
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Comments/Spec	cial Instructions (*5	Specify				Drinking \ 1 95e		Vaste Water ·	"WW", Soll "S	". Ai	îr "A	.**, Oi	, Slu	dge	etc.)											Wilder Street
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Received in Laboratory By:

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

JACQUELYN VOEKS JACQUELYN VOEKS 680 EMERALD PT HOLLISTER, MO 65672

Report Date 02-Apr-18

Project Name WAUBEKA MILL

Invoice # E34379

Project #

Lab Code 5034379A Sample ID MW-1-2 Sample Matrix Soil Sample Date 3/16/2018

	Result	Unit	LOD 1	LOQ D	il	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	88.2	%			1	5021		3/20/2018	NJC	1
Organic										
PVOC + Naphthalene										
Benzene	1.95	mg/kg	0.095	0.3	10	GRO95/8021		3/27/2018	CJR	1
Ethylbenzene	18.4	mg/kg	0.16	0.5	10	GRO95/8021		3/27/2018	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.25	mg/kg	0.11	0.34	10	GRO95/8021	•	3/27/2018	CJR	1
Naphthalene	3.8	mg/kg	0.22	0.7	10	GRO95/8021		3/27/2018	CJR	1
Toluene	40	mg/kg	0.13	0.41	10	GRO95/8021		3/27/2018	CJR	1
1,2,4-Trimethylbenzene	32	mg/kg	0.19	0.6	10	GRO95/8021		3/27/2018	CJR	1
1,3,5-Trimethylbenzene	10.9	mg/kg	0.096	0.31	10	GRO95/8021		3/27/2018	CJR	1
m&p-Xylene	51	mg/kg	0.13	0.42	10	GRO95/8021		3/27/2018	CJR	1
o-Xylene	15.2	mg/kg	0.062	0.2	10	GRO95/8021		3/27/2018	CJR	1

Project Name WAUBEKA MILL Invoice # E34379

Project #

Lab Code 5034379B Sample ID DRUM COMP Sample Matrix Soil

Sample Date 3/16/2018

-	Result	Un	it	LOD	LOQ	Dil	l	Method	Ext Date	Run Date	Analyst	Code
General												
General												
Solids Percent	88.0		%				1	5021		3/20/2018	NJC	1
Inorganic												
Metals												
TCLP Lead		< 0.1	mg/l		0	. I	1	601 0 B		3/29/2018	ESC	1
Organic	*											
General												
Diesel Range Organic	cs 56.7	n	ig/kg	1.3	4.	14	1	DRO95		3/28/2018	NJC	I
Gasoline Range Orga	nics 116	ก	ng/kg	1.65	5.2	26	1	GRO95/8021		3/27/2018	CJR	1
TCLP												
TCLP Benzene		< 0.05	mg/l	0.05	i		1	8260B		3/28/2018	ESC	I
Lab Code	5034379C											
	METH BLANK				-							

Sample ID

METH BLANK

Sample Matrix Soil Sample Date

3/16/2018

	Result	Unit	LOD L	OQ D	il	Method	Ext Date Run Date	Analyst	Code
Organic									
PVOC + Naphthalene									
Benzene	< 0.025	mg/kg	0.0095	0.03	i	GRO95/8021	3/26/2018	CJR	1
Ethylbenzene	< 0.025	mg/kg	0.016	0.05	1	GRO95/8021	3/26/2018	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.011	0.034	j	GRO95/8021	3/26/2018	CJR	1
Naphthalene	< 0.025	mg/kg	0.022	0.07	1	GRO95/8021	3/26/2018	CJR	1
Toluene	< 0.025	mg/kg	0.013	0.041	1	GRO95/8021	3/26/2018	CJR	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.019	0.06	1	GRO95/8021	3/26/2018	CJR	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.0096	0.031	1	GRO95/8021	3/26/2018	CJR	1
m&p-Xylene	< 0.05	mg/kg	0.013	0.042	1	GRO95/8021	3/26/2018	CJR	1
o-Xvlene	< 0.025	mg/kg	0.0062	0.02	- 1	GRO95/8021	3/26/2018	CJR	1

[&]quot;J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code Comment

1

Laboratory QC within limits.

ESC denotes sub contract lab - Certification #998093910

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature

Michael Richer

JSTODY RECORD

Quote No.:

Account No.:

Synergy

Environmental Lab, Inc.

Chair	# N	0 1	29	7
Page	Ť	of 1		

Sample Handling Request

Rush Analysis Date Required
(Rushes accepted only with prior authorization)

Project #:		nekensinensessideerdh	Manthéan Masansas	BODO OR THE WORKS OF THE	engen a swall fally a 17 di 12 m M e				t. • Appleton, • FAX 920-7							١,			<u>X</u>	_No	rma	il Tu	rn Ai	round	1	
Sampler: (elemina) = 320-630-2433-174.52 Project (Name / Location): Waufa ka Mill									knaly	enie :	Daa	uaat	_ <u></u>	***********	C. Lakiman					Othe	er Ana	alweld	<u> </u>			
Project (Name / Location): M	van 6	<u>V4</u>	- M						**************************************		<u>,</u>	KI REITY	315	neu	nest	eu 	1		-T		T		7016	A 130	All SIL	,
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City State Zip Hollister	MD.	65	671	City	State Z	ipla C	10559	v1 54	603	Sep 95)	Sep 9	lu.			-	ALE			(2,2)	,	12	Z		Andrew de Constituto e		
Phone (262) 707-	073	5		Pho	ne (60%) ;	781-88	379		2	S.		W,	270)	656			E !	7) E	TALS BEL	56	3	and the second	The same of the sa		PID/
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. liab ID. Samp	ole I.D.	Į	ection Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type: (Matrix)*	Preservation	DRO (Mod DRO	GRO (Mod GRO Sep 95)	LEAD NITHATF/NITHITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 542.2)	VCAC (EPA 826U) 8-RCHA METALS	TCLP-Beazen	121				
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Comments/Special instru Lab to Send	ctions (*S	Specify of t	ground Pe	hwater Po/	GWT.	Drinking \ Ho M	Water "DW"、) ピガンら	Waste Water	"WW", Soil *S'	', Ai	ir "A'	, OII,	Slu	dge ·	etc.)											
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Synergy Environmental Lab, 1990 Prospect Ct., Appleton, WI 54914 *P 920-830-2455 * F 920-733-0631

JACQUELYN VOEKS JACQUELYN VOEKS 680 EMERALD PT **HOLLISTER, MO 65672**

Report Date 23-May-18

Project Name WAUBEKA MILL

Project #

Lab Code

5034604A

Sample ID

MW-1

Sample Matrix Water

Sample Date	5/7/2018											
•		Resul	t	Unit	LOD I	OQ D	il	Method	Ext Date	Run Date	Analyst	Code
Inorganic												
Metals												
Iron, Dissolved		0.22		mg/l	0.03	0.1	1	200.7		5/16/2018	CWT	1
Lead, Dissolved			< 0.9	ug/L	0.9	3	1	7421		5/17/2018	CWT	1
Manganese, Dissolv	/ed	276		ug/L	4.2	13.8	1	200.7		5/16/2018	CWT	1
Organic				_								
PAH SIM												
Acenaphthene			< 0.40	ug/l	0.4	1.25	50	M8270C	5/9/2018	5/10/2018	NJC	I
Acenaphthylene			< 0.45	ug/l	0.45	1.4	50	M8270C	5/9/2018	5/10/2018	NJC	1
Anthracene			< 0.45	ug/l	0.45	1.5	50	M8270C	5/9/2018	5/10/2018	NJC	1
Benzo(a)anthracene	:		< 0.85	ug/l	0.85	2.7	50	M8270C	5/9/2018	5/10/2018	NJC	I
Benzo(a)pyrene			< 0.85	ug/l	0.85	2.75	50	M8270C	5/9/2018	5/10/2018	NJC	1
Benzo(b)fluoranthe	ne		< 1.00	ug/l	1	3.15	50	M8270C	5/9/2018	5/10/2018	NJC	1
Benzo(g,h,i)perylen	ne		< 0.55	ug/l	0.55	1.8	50	M8270C	5/9/2018	5/10/2018	NJC	1
Benzo(k)fluoranthe	ne		< 0.70	ug/l	0.7	2.2	50	M8270C	5/9/2018	5/10/2018	NJC	t
Chrysene			< 0.95	ug/l	0.95	3.1	50	M8270C	5/9/2018	5/10/2018	NJC	1
Dibenzo(a,h)anthra	cene		< 0.50	ug/l	0.5	1.55	50	M8270C	5/9/2018	5/10/2018	NJC	1
Fluoranthene			< 1.55	ug/l	1.55	4.9	50	M8270C	5/9/2018	5/10/2018	NJC	1
Fluorene			< 0.55	ug/l	0.55	1.7	50	M8270C	5/9/2018	5/10/2018	NJC	1
Indeno(1,2,3-cd)pyr	rene		< 0.60	ug/l	0.6	1.9	50	M8270C	5/9/2018	5/10/2018	NJC	1
I-Methyl naphthale	:ne	41.0		ug/l	1.195	3.8	50	M8270C	5/9/2018	5/10/2018	NJC	1
2-Methyl naphthale	ne	76.0		ug/l	1.18	3.755	50	M8270C	5/9/2018	5/10/2018	NJC	1
Naphthalene		237		ug/I	1.15	3.65	50	M8270C	5/9/2018	5/10/2018	NJC	1
Phenanthrene			< 1.25	ug/i	1.25	4.05	50	M8270C	5/9/2018	5/10/2018	NJC	1
Pyrene			< 1.50	ug/l	1.5	4.75	50	M8270C	5/9/2018	5/10/2018	NJC	1
VOC's												
Benzene		38		ug/l	4.4	14.2	20	8260B		5/16/2018	CJR	1
Bromobenzene			< 8.8	ug/l	8.8	27.6	20	8260B		5/16/2018	CJR	1
Bromodichlorometl	hane		< 6.6	ug/l	6.6	21.2	20	8260B		5/16/2018	CJR	1
Bromoform			< 9	ug/l	9	28.8	20	8260B		5/16/2018	CJR	1

Invoice # E34604

Project Name WAUBEKA MILL

Project #

Lab Code 5034604A Sample ID MW-1

Sample Matrix Water Sample Date 5/7/2018

54 mple Date 5/1/2016	** *		T T 4.		00 B	• 1	37.413	E-4 D-4-	D D	A - a Turas	Codo
	Result		Unit	LOD L			Method	Ext Date	Run Date	-	Code
tert-Butylbenzene		< 5	ug/l	5	16	20	8260B		5/16/2018	CJR	1
sec-Butylbenzene		< 15.8	ug/l	15.8	50.6	20	8260B		5/16/2018	CJR	-
n-Butylbenzene	60		ug/l	14.2	45	20	8260B		5/16/2018	CJR	1
Carbon Tetrachloride		< 6.2	ug/l	6.2	19.6	20	8260B		5/16/2018	CJR	1
Chlorobenzene		< 5.2	ug/l	5.2	16.6	20	8260B		5/16/2018	CJR	1
Chloroethane		< 12.2	ug/l	12.2	39	20	8260B		5/16/2018	CJR	1
Chloroform		< 5.2	ug/l	5.2	16.4	20	8260B		5/16/2018	CJR	1
Chloromethane		< 10.8	ug/l	10.8	34.4	20	8260B		5/16/2018	CJR	1
2-Chlorotoluene		< 6.2	ug/l	6.2	19.6	20	8260B		5/16/2018	CJR	1
4-Chlorotoluene		< 5.2	ug/l	5.2	16.6	20	8260B		5/16/2018	CJR	1
1,2-Dibromo-3-chloropropane		< 59.2	ug/l	59.2	188.6	20	8260B		5/16/2018	CJR	1
Dibromochloromethane		< 4.4	ug/l	4.4	13.8	20	8260B		5/16/2018	CJR	1
1,4-Dichlorobenzene		< 14	ug/l	14	44,4	20	8260B		5/16/2018	CJR	1
1,3-Dichlorobenzene		< 17	ug/l	17	54	20	8260B		5/16/2018	CJR	1
1,2-Dichlorobenzene		< 17.2	ug/l	17.2	54.8	20	8260B		5/16/2018	CJR	1
Dichlorodifluoromethane		< 6.4	ug/l	6.4	20.4	20	8260B		5/16/2018	CJR	1
1,2-Dichloroethane		< 5	ug/l	5	15.6	20	8260B		5/16/2018	CJR	1
1,1-Dichloroethane		< 7.2	ug/l	7.2	22.8	20	8260B		5/16/2018	CJR	1
1,1-Dichloroethene		< 8.4	ug/i	8.4	26.8	20	8260B		5/16/2018	CJR	1
cis-1,2-Dichloroethene		< 7.4	ug/l	7.4	23.2	20	8260B		5/16/2018	CJR	1
trans-1,2-Dichloroethene		< 6.8	ug/l	6.8	21.4	20	8260B		5/16/2018	CJR	1
1,2-Dichloropropane		< 8.8	ug/l	8.8	27.8	20	8260B		5/16/2018	CJR	1
1,3-Dichloropropane		< 6	ug/l	6	18.8	20	8260B		5/16/2018	CJR	1
trans-1,3-Dichloropropene		< 6.4	ug/l	6.4	20.2	20	8260B		5/16/2018	CJR	1
cis-1,3-Dichloropropene		< 5.2	ug/l	5.2	16.2	20	8260B		5/16/2018	CJR	1
Di-isopropyl ether		< 4.2	ug/l	4.2	13.2	20	8260B		5/16/2018	CJR	1
EDB (1,2-Dibromoethane)		< 6.8	ug/l	6.8	21.8	20	8260B		5/16/2018	CJR .	1
Ethylbenzene	1670		ug/i	5.2	16.6	20	8260B		5/16/2018	CJR	1
Hexachlorobutadiene		< 26.8	บg/l	26.8	85.6	20	8260B		5/16/2018	CJR	1
Isopropylbenzene	62		ug/l	15.6	49.4	20	8260B		5/16/2018	CJR	1
p-Isopropyltoluene	5.2 "J"		ug/l	4.8	15.2	20	8260B		5/16/2018	CJR	1
Methylene chloride		< 26.4	ug/l	26.4	84.2	20	8260B		5/16/2018	CJR	1
Methyl tert-butyl ether (MTBE)		< 5.6	ug/l	5.6	17.8	20	8260B		5/16/2018	CJR	l
Naphthalene	350		ug/l	42	133	20	8260B		5/16/2018	CJR	1
n-Propylbenzene	249		ug/l	12.2	39	20	8260B		5/16/2018	CJR	I
1,1,2,2-Tetrachloroethane		< 6	ug/l	6	19.4	20	8260B		5/16/2018	CJR	ì
1,1,2-Tetrachloroethane		< 7	ug/l	7	22.6	20	8260B		5/16/2018	CJR	1
Tetrachloroethene		< 7.6	ug/l	7.6	24.2	20	8260B		5/16/2018	CJR	I
Toluene	1930		ug/l	3.8	12	20	8260B		5/16/2018	CJR	1
1.2.4-Trichlorobenzene		< 23	ug/l	23	73.4	20	8260B		5/16/2018	CJR	i
1,2,3-Trichlorobenzene		< 34.2	ug/l	34.2	108.6	20	8260B		5/16/2018	CJR	d
1,1,1-Trichloroethane		< 6.6	ug/l	6.6	21	20	8260B		5/16/2018	CJR	1
1,1,2-Trichloroethane		< 8.4	ug/l	8.4	26.4	20	8260B		5/16/2018	CJR	i
Trichloroethene (TCE)		< 6	ug/l	6	18.8	20	8260B		5/16/2018	CJR	1
Trichlorofluoromethane		< 7	ug/l	7	22	20	8260B		5/16/2018	CJR	i
1,2,4-Trimethylbenzene	2030	•	ug/l	16	51	20	8260B		5/16/2018	CJR	1
1,3,5-Trimethylbenzene	540		ug/l	12.6	40	20	8260B		5/16/2018	CJR	1
Vinyl Chloride	5.0	< 4	ug/l	4	13	20	8260B		5/16/2018	CJR	1
m&p-Xylene	3600	• •	ug/l	8.6	27.6	20	8260B		5/16/2018	CJR	1
o-Xvlene	1240		ug/l	5.8	18.6	20	8260B		5/16/2018	CJR	1
SUR - Dibromofluoromethane	106		REC %	-		20	8260B		5/16/2018	CJR	1
SUR - Toluene-d8	104		REC %			20	8260B		5/16/2018	CJR	1
									•		

Invoice # E34604

Project Name V	WAUBEKA I	MILL					Invoic	e# E3400	- 1		
Lab Code Sample ID Sample Matrix											
Sample Date	5/7/2018	Result	Unit	LOD L	OQ Di	1	Method	Ext Date	Run Date	_	Code
SUR - 4-Bromofluo SUR - 1,2-Dichloro		95 103	REC % REC %			20 20	8260B 8260B		5/16/2018 5/16/2018	CJR CJR	1
Wet Chemistry											
General Nitrite Plus Nitrate Sulfate, Filtered	, Dissolved	< 0.36 44.5	mg/l mg/l	0.36 2.7	1.15 8.6	1 2	353.2 ASTM D516-		5/22/2018 5/11/2018	NJC NJC	1 1

Project Name WAUBEKA MILL

Project #

Lab Code

5034604B

Sample ID TB
Sample Matrix
Sample Date 5/7/201

5/7/2018

Sample Bate St 7/2010	Result	Unit	LOD LO	on bil	Method	Ext Date	Run Date	Analyst	Code
0	Kesuit	Unit	LOD IX	ווע אַכ	Method	Ext Date	Kun Date	, illuij st	Couc
Organic									
VOC's									
Benzene	< 0.22	ug/l	0.22	0.71 1	8260B		5/11/2018	MJR	1
Bromobenzene	< 0.44	ug/I	0.44	1.38 1	8260B		5/11/2018	MJR	1
Bromodichloromethane	< 0.33	ug/I	0.33	1.06 1	8260B		5/11/2018	MJR	1
Bromoform	< 0.45	ug/l	0.45	1.44 1	8260B		5/11/2018	MJR	1
tert-Butylbenzene	< 0.25	ug/J	0.25	0.8 1	8260B		5/11/2018	MJR	1
sec-Butylbenzene	< 0.79	ug/l	0.79	2.53 1	8260B		5/11/2018	MJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.25 1	8260B		5/11/2018	MJR	1
Carbon Tetrachloride	< 0.31	ug/l	0.31	0.98 1	8260B		5/11/2018	MJR	1
Chlorobenzene	< 0.26	ug/l	0.26	0.83 1			5/11/2018	MJR	1
Chloroethane	< 0.61	ug/l	0.61	1.95 1	8260B		5/11/2018	MJR	1
Chloroform	< 0.26	ug/l	0.26	0.82 1	8260B		5/11/2018	MJR	1
Chloromethane	< 0.54	ug/l	0.54	1.72			5/11/2018	MJR	.1
2-Chlorotoluene	< 0.31	ug/l	0.31	0.98 1	8260B		5/11/2018	MJR	1
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83 1	8260B		5/11/2018	MJR	1
1,2-Dibromo-3-chloropropane	< 2.96	ug/l	2.96	9.43 1			5/11/2018	MJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.69 1	8260B		5/11/2018	MJR	1
1,4-Dichlorobenzene	< 0.7	ug/l	0.7	2.22 l	8260B		5/11/2018	MJR	1
1,3-Dichlorobenzene	< 0.85	ug/l	0.85	2.7 1	8260B		5/11/2018	MJR	1
1,2-Dichlorobenzene	< 0.86	ug/l	0.86	2.74 1	8260B		5/11/2018	MJR	1
Dichlorodifluoromethane	< 0.32	ug/l	0.32	1.02 1	8260B		5/11/2018	MJR	1
1,2-Dichloroethane	< 0.25	ug/l	0.25	0.78 1	8260B		5/11/2018	MJR	1
1,1-Dichloroethane	< 0.36	ug/l	0.36	1.14 1	8260B		5/11/2018	MJR	1
1,1-Dichloroethene	< 0.42	ug/l	0.42	1.34 1			5/11/2018	MJR	1
cis-1,2-Dichloroethene	< 0.37	ug/l	0.37	1.16 1	8260B		5/11/2018	MJR	1
trans-1,2-Dichloroethene	< 0.34	ug/l	0.34	1.07 1	8260B		5/11/2018	MJR	1
1,2-Dichloropropane	< 0.44	ug/l	0.44	1.39 1			5/11/2018	MJR	1
1,3-Dichloropropane	< 0.3	ug/l	0.3	0.94 I	8260B		5/11/2018	MJR	1
trans-1,3-Dichloropropene	< 0.32	ug/l	0.32	1.01 1	8260B		5/11/2018	MJR	1
cis-1,3-Dichloropropene	< 0.26	ug/l	0.26	1 18.0			5/11/2018	MJR	1
Di-isopropyl ether	< 0.21	ug/l	0.21	0.66	8260B		5/11/2018	MJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	8260B		5/11/2018	MJR	1 1
Ethylbenzene	< 0.26	ug/l	0.26	0.83 1			5/11/2018	MJR	J I
Hexachlorobutadiene	< 1.34	ug/l	1.34	4.28 1			5/11/2018	MJR	-
Isopropylbenzene	< 0.78	ug/l	0.78	2.47 I	8260B		5/11/2018	MJR MJR	1 1
p-Isopropyltoluene	< 0.24	ug/l	0.24	0.76 1			5/11/2018		1 1
Methylene chloride	< 1.32	ug/l	1.32	4.21 1			5/11/2018	MJR	1
Methyl tert-butyl ether (MTBE)	< 0.28	ug/l	0.28	0.89 1			5/11/2018	MJR	1
Naphthalene	< 2.1	ug/l	2.1	6.65 1			5/11/2018	MJR	1
n-Propylbenzene	< 0.61	ug/l	0.61	1.95 1			5/11/2018	MJR	1
1,1,2,2-Tetrachloroethane	< 0.3	ug/l	0.3	0.97 1			5/11/2018	MJR MJR	1
1,1,1,2-Tetrachloroethane	< 0.35	ug/l	0.35	1.13 1			5/11/2018 5/11/2018	MJR	1
Tetrachloroethene	< 0.38	ug/l	0.38	1.21 1 0.6 1	8260B 8260B		5/11/2018	MJR	1
Toluene	< 0.19	ug/l	0.19				5/11/2018	MJR	1
1,2,4-Trichlorobenzene	< 1.15	ug/l	1. 1 5 1.71	3.67 1 5.43 1			5/11/2018	MJR	1
1,2,3-Trichlorobenzene	< 1.71	ug/l	0.33	1,05			5/11/2018	MJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.32			5/11/2018	MJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	0.94 1			5/11/2018	MJR	1
Trichloroethene (TCE)	< 0.3	ug/l	0.35	1.1			5/11/2018	MJR	1
Trichlorofluoromethane	< 0.35 < 0.8	ug/l	0.33	2.55 1			5/11/2018	MJR	1
1,2,4-Trimethylbenzene	~ 0.8	ug/l	υ.σ	1 در	02000		J/11/2010	171917	•

Project Name WAUBEKA MILL Invoice # E34604

Project #

Lab Code5034604BSample IDTBSample MatrixWaterSample Date5/7/2018

Sumple Bute Simbolo										
	Result	Unit	LOD L	OQ Di	1	Method	Ext Date	Run Date	Analyst	Code
1,3,5-Trimethylbenzene	< 0.63	ug/l	0.63	_ 2	1	8260B		5/11/2018	MJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	8260B		5/11/2018	MJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		5/11/2018	MJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		5/11/2018	MJR	1
SUR - 1,2-Dichloroethane-d4	107	REC %			1	8260B		5/11/2018	MJR	1
SUR - 4-Bromofluorobenzene	102	REC %			1	8260B		5/11/2018	MJR	1
SUR - Toluene-d8	86	REC %			1	8260B		5/11/2018	MJR	1
SUR - Dibromofluoromethane	116	REC %			1	8260B		5/11/2018	MJR	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code Comment

1 Laboratory QC within limits.

CWT denotes sub contract lab - Certification #445126660

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature

Michael Richer

CHAIN OF JSTODY RECORD

Account No. :

Quote No.:

Synergy

Environmental Lab, Inc.

Chain #	Νö	33(~4
Page _	of	

Sample Handling Request

Rush Analysis Date Required ______(Rushes accepted only with prior authorization)

Date: 5/1/18

Time: 8:00

Project #:		1990 Prospect Ct. • Appleton, WI 54914 920-830-2455 • FAX 920-733-0631							Normal Turn Around												
Sampler: (signature) You Yeur		920-830-2493	L.																		
Project (Name / Location): Wawseka Mill	/ Waubeka	beka				Analysis Requested						d					Other Analysis				
Reports To: Jacquelyn Voeks	Invoice To:	oreguelyn Voeks											1	200	B						
Company	Company	C/O METCO									8	1			-						
Address 680 Emerald PL Building 5, Londo	Address 709	Gillette St, Ste.	3	6	6		Carl Control		w l		힜		}		15.6						
City State Zip Hollister, MD 65672 7		Crosse, WI SHI	93	Sep 95)	<u> </u>	,			AE					,	1						
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FAX	FAX			20 1	2 2		8 7	¥d	Ā	щ		- X	2	-3	•			y	PID/ FID		
Eablito Sample I.D. Collection Date Time	Comp Grab Filters	Type	Preservation	DRO (Mod DRO	GHO (Mod GHO Sep LEAD (Novalual)	NITHATE/NITRITE	PAH (EPA 8270)	PCB PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC (EPA 8280)	B-RCHA METALS	Dissibud	S.Sselwark						
505 May 1 5-7 300	Y	7 6W	HAPO NINE		X	X	X			X		X		区	X				***************************************		
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						H			-												
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Comments/Special Instructions (*Specify groundw Lab to * * * * * * * * * * * * * * * * * * *	vater "GW", Drinkin Send Co Crates ag ent status	ng Water "DW", Waste Water opy of Resolution opy	"ww", soil "s",	, Air TCO	7	JA	udge ,⊊≬∧	etc.)	C	In	Νοία	e i	Ь	M	£π	(co					
Sample Intectify - 7 is be completed by tecel/ing in the complete of the compl	Ab sister	ed Bysi(sign)	7145 Avm	È)ate	As	Ceive	d By: (sign)		erenerlektursiele	Notes I - I I I I	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			Time		Date			

Received in Laboratory By:

Site Investigation Report - METCO
Waubeka Mill Inc.
APPENDIX C/ WELL AND BOREHOLE DOCUMENTATION

GROUNDWATER MONITORING WELL INFORMATION FORM Chapter 281 and 289, Wis. Stats.
Form 4400-89 Rev. 7-98

Rev. 7-98

Facility Forme	Name r Waubek	a Mill		Fac		ID Number 6147110	License	e, Perm	nit or Monitoria	ng No. Date 7/	23/201			ted By (Name a c Dahl (METCC							
WI Unique Well No	Well	DNR Well ID Number	Well Location		ir. S W	Date Established		Casing Type	Eleva Top of Well Casing	tions Ground Surface	Refe MSL	rence Site Datum	Screen Top	Depths Initial Groundwater	Well Depth	Screen Length	Well Type				Distance to Waste
			4	х																	
WA132	MW-1		7.5	X		3/16/2018	2.04	P					-10.5	9.55	20.5	10	11/mw	A			
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	n Coordinate Plane (Coordinat	e x Local Gr System	rid		d Origin Locat						- 1	Remarks:	Grid Origi	n Location	is southeas	t corner	of Wau	beka l	Mill (C	verhang
	☐ North ☐ Centr ☐ South	al em	System	- 1		. 43 ° 28															

Completion of this form is mandatory under s. NR 507.14 and NR 110.25 Wis. Adm. Code. Failure to file this form may result in forfeiture of not less than \$10 nor more than \$5,000 for each day of violation. Personally identifiable information provided is intended to be used by the Department for the purposes related to the wasto management program.

State of Wisconsin Department of Natural Resources Route To:	Watershed/Wastewate		anagement 🗌	MONITORING WE Form 4400-113A	LL CONSTRU Rev. 7-98	
SES Project Number 507.60	Remediation/Redevel			Well Name	Kev. 1-98	
Facility/Project Name	Local Grid Location of	veli V.	, 🗆 E.	MWI		
Former Waubeka Mill	ft. Grid Origin Location	(optimated: [])	ft. DE. W. Well Location	Wis. Unique Well No	DNR Well N	Jumbe
Facility License, Permit or Monitoring No.		_		WA 132		- unio
Facility ID	Lat			Date Well Installed	<u>- </u>	-
racinty ID	St. Plane Section Location of Was	_ ft. N,	fl. E. S/C/N	03/16	1201	8
Type of Well	1		LLE	<u>0</u> 3 / 1 6 m m d d	ame (first,last)	and Fi
Well Code // MW	1/4 of 1/4	of Sec, T	N, R W	Robert Rec		
Distance From Waste/ Enf. Stds.	Location of Well Relative Upgradient	ve to Waste/Source s ☐ Sidegradient	Gov. Lot Number			
Source ft. Apply	d Downgradient			Soils & Enginee	ring Service	s, In
	ft. MSL		1. Cap and lock?		☐ Yes	. 🗆 .
· · · · · · · · · · · · · · · · · · ·			2. Protective cover:			ο.
B. Well casing, top elevation	ft. MSL		a. Inside diamete	r:		<u>0</u> i
C. Land surface elevation	ft. MSL <		b. Length:		Steel	II] =
O. Surface seal, bottom ft. MS	Lor 1.6 ft. 🐼		c. Material:		Other	
			d. Additional pro	tection?	Yes	
12. USCS classification of soil near screen:	SW D SP D	Z XII X Z	If yes, describ	e:		_ `
	SW SP CL SP CL SP CL SP CH CL				Bentonite	
Bedrock □			3. Surface seal:		Concrete	
13. Sieve analysis attached?	™ No		\		Other	
14. Drilling method used: Rot	ary □ 50		4. Material between	well casing and prote		
Hollow Stem Au	ger 2 41				Bentonite	
O	her O				Other	
		₩ ₩		eal: a. Granular/Chi		
	Air □01			mud weight Benton		
Drilling Mud □ 0 3 N	one w99			mud weight I		
16. Drilling additives used?	■ No			nite Bentonio volume added for any		LJ :
10. 51111115 2000.			f. How installe	_	y of the above Tremie	П
Describe			i. How mount		Tremie pumped	
17. Source of water (attach analysis):					Gravity	
			6. Bentonite seal:	a. Ber	ntonite granules	
			,		Bentonite chips	
E. Bentonite seal, top ft. MS	Lor 5,5 ft.		/ c		Other	· 🗀 .
	_			ial: Manufacturer, proc	luct name and n	
F. Fine sand, top ft. MS	Lor <u>5.5</u> ft.	\ 	/	Fliat #15		
· •	`	、 \& \& /	b. Volume adde	i <u>0.5</u>	_ ft³	
	SL or 7,4 ft.	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ 		rial: Manufacturer, pro		

ft. MSL or 20,5 ft. Flush threaded PVC schedule 80 $\ \square$ I. Well bottom Other ft. MSL or 21.0 Sch. 40 PVC 10. Screen material: J. Filter pack, bottom Factory cut 📕 11 a. Screen Type: ft. MSL or 21.0 ft. Continuous slot

0 1 K. Borehole, bottom Other 🗆 🚟 Monoflex b. Manufacturer 0,010 in c. Slot size: 2.38 in 9.7 ft. d. Slotted length: M. O.D. well casing 11. Backfili material (below filter pack): None 🗰 14 2,04 in Other 🗆 🍱

I hereby certify that the information on this form is true and correct to the best of my knowledge.

ft. MSL or 10.2

H. Screen joint, top

N. I.D. well casing

Signature

Firm Soils & Engineering Services, Inc. 1102 Stewart Street, Madison, Wisconsin 53713-4648

b. Volume added

9. Well casing:

Tel: (608) 274-760(Fax: (608) 274-751

ft³

Flush threaded PVC schedule 40

Please complete both Forms 4400-113A and 4400-113B and return to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personnally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122

Rev. 7-98

Watershed / Wastewater: Waste Management: Route To: Remediation / Redevelopment: Other: of 1 Page License / Permit / Monitoring Number Boring Number Facility / Project Name G-1 Waubeka Mill, Inc. Drilling Method **Drilling Date Completed** Drilling Date Started Boring Drilled By: Name of crew chief (first, last) and Firm 10/02/2017 10/02/2017 First: Darrin Last: Prentice Geoprobe MM/ DD/ YYYY MM /DD/ YYYY Firm: Geiss Soil & Samples, LLC Borehole Diameter WI Unique Well No. DNR Well ID No. Surface Elevation Well Name Final Static Water Level 2 inches 790 feet MSL 774 feet MSL Local Grid Location Local Grid Origin (estimated X) or Boring Location Lat 43° 28 '17.5 N Ν State Plane Feet W SE 1/4 of SW 1/4 of Section 28 , T 12 N, R 21 E Long 87° 59 ' 30.5 W Feet S County Code Civil Town / City / Village County Facility ID Fredonia 46 Ozaukee 246147110 Soil Properties Sample Depth in Feet (below ground surface) Compressive Strength Diagram Œ Plasticity Index Graphic Log Counts Liquid Limit PID / FID Moisture Content Recovered Soil / Rock Description Length Att. 8 RQD / Comments And Geologic Origin S Blow For Each Major Unit Well Grass 0-1' Brown silty sand and gravel (FILL) FILI ML/CI. 1-4' Brown to tan sill/clay Petro ador 1905 G-1-1 48 (3.5 feet) MUCL 4-8' Tan silt/clay >5000 М Petro odor G-1-2 48 (8 feet) 36 Slight petro odor 43.5 М G-1-3 48 MUCL 8-16' Tan silt/clay with trace gravel 36 (12 feet) ML/CL 16-18' Tan silt/clay with gravel 21.5 м No petro odor 15 G-1-4 48 (12-16 feet) 48 w No petro odor 12.3 48 G-1-5 (16 feet) 48 18-19' Weathered dolomitic sandstone/dolomite Refusal at 19 feet bgs. Temp well set with 5 foot screen from 14-19 feet. Groundwater sample G-1-W collected. Borehole abandoned. I hereby certify that the information on this form is true and correct to the best of my knowledge **METCO** Firm: Signature:

This form is authorized by Chapters 281, 283, 269, 291, 292, 293, 295 and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

Signature:

SOIL BORING LOG INFORMATION

Form 4400-122

Rev. 7-98

Watershed / Wastewater: Route To: Waste Management: Remediation / Redevelopment: Other: Page Facility / Project Name License / Permit / Monitoring Number **Boring Number** Waubeka Mill, Inc. Boring Drilled By: Name of crew chief (first, last) and Firm Drilling Date Started **Drilling Date Completed Drilling Method** First: Darrin Last: Prentice 10/02/2017 10/02/2017 Geoprobe Firm: Geiss Soil & Samples, LLC MM/ DD/ YYYY MM /DD/ YYYY WI Unique Well No. DNR Well ID No. Well Name Final Static Water Level Surface Elevation Borehole Diameter 780.5 feet MSL 790 feet MSL 2 inches Local Grid Origin (estimated X) or Boring Location Local Grid Location State Plane Lat 43° 28 '17.5 N Ν SE 1/4 of SW 1/4 of Section 28 , T 12 N, R 21 E Feet W Feet S Long 87° 59 ' 30.5 W Facility ID County County Code Civil Town / City / Village 246147110 Ozaukee 46 Fredonia Sample Soil Properties Length Att. & Recovered (in) Depth in Feet (below ground surface) Plasticity Index Blow Counts Well Diagram Compressive Strength Liquíd Limit Soil / Rock Description PID / FID Moisture Content USCS 200 Graphic And Geologic Origin RQD / Comments For Each Major Unit Asphali 0-1' Asphalt 1-2' Tan sand and gravel (FILL) FILL 2-4' Tan very fine to medium grained sand with trace SP G-2-1 48 17.5 М No petro odor (3.5 feet) 24 4-8' Tan fine to coarse grained silty/clayey sand with SM/SC G-2-2 48 22.2 М No petro odor (7 feet) 12 ML/CL 8-12' Tan silt/clay with trace gravel 12 G-2-3 48 M/W 12.5 No petro odor (13 feet) 48 12-16' No Recovery 15 G-2-4 48 (12-16 feet) 0 w G-2-5 48 10.8 No petro odo (16 feet) 36 16-20' Tannish gray weathered delomitic sandstone/dolomite 18 Refusal at 20 feet bgs. Groundwater sample G-2-W was collected. Borehole abandoned. I hereby certify that the information on this form is true and correct to the best of my knowledge

This form is authorized by Chapters 281, 283, 296, 291, 292, 293, 295 and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

Firm:

METCO

SOIL BORING LOG INFORMATION

Form 4400-122

Rev. 7-98

			Route To:	Watershed / Wastewater:		Waste	Manag	ement: Other:						
				Remediation / Redevelopment		ı		Outer.			Page	1	of	1
Facility / P	roject N	ame			License	e / Permi	t / Monit	toring N	umber					ring Number
Waubeka					•••									G-3
		Name		ef (first, last) and Firm		Date Sta			Drilling			ł	Dri	lling Method
First:		il 9 Com	Last: ples, LLC	Prentice		10/02/2017 A/ DD/ YY				0/02/201 I /DD/ YY				Geoprobe
			/ell ID No.	Well Name		al Static V		evel		iurface l		n	E	Borehole Diameter
						778 fee	et MSL			790 fee	et MSL			2 inches
Local Grid	Origin	(estima	ted X) or E	Boring Location						Local G				
State Plane		N,	E			° 28 ' 17.5 7° 59 ' 30				N Eest 9	S Feet	E		
SE ¼ of SW Fa	cility ID	ction 28	, I 12 N, K	. County	Luiig 0	17 39 30		/ Code		_	ivil Toy		y / V	/illage
	3147110)		Ozaukee			4	6			F	redoni	а	
	San							Soil F	ropertie	s			T -	
Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	uscs	Graphic Log	Weil Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
		-	-	Grass									П	
			_	0-2' Tan to brown sand and gravel (FILL)	FILL	\bowtie								
				2-4' Brown silt/clay to sandy silt/clay with trace gravet	ML/CL		ĺ						1 1	
G-3-1 (3.5 feet)	48 24		 -					21.3		М				No petro odor
(_										1	
			6	4-8' Tan silt/clay	MiL/CL									
			Ŀ	T										
G-3-2	48		-					11.4		м				No petro odor
(8 feet)	18		9											
			[_											
		ļ	-											
G-3-3 (12 feet)	48 48		12					9.8		М				No petro odor
(121001)			[-	8-18' Tan silt/clay with trace gravel	ML/CL									
		ļ	- -											
G-3-4	48		15					9.5		w				No petro odor
(16 feet)	24		F											
			<u> -</u>					9.8		w				No petro odor
G-3-5 (18 feet)	48 24	1	_18 _	18-20' Tan to gray weathered dolomitic		 		""		"		-		,
	1		_	sandstone/dolomite										
			 	EOB at 20 feet bgs. Groundwater sample G-3-W was collected. Borehole abandoned.										
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			 _24											
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		at the i	nformation	on this form is true and correct to the best of	of my kno	owledge				2.0	TOO		_	
Signature	9:		\sim	<i></i> .					Firm:	IVIE	TCO			

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SOIL BORING LOG INFORMATION

Form 4400-122

Rev. 7-98

Route	To:
110000	10.

Watershed / Wastewater:

Waste Management:

Other: Remediation / Redevelopment: Page Facility / Project Name License / Permit / Monitoring Number Boring Number G-4 Waubeka Mill, Inc. Drilling Date Completed Drilling Method Drilling Date Started Boring Drilled By: Name of crew chief (first, last) and Firm 10/02/2017 10/02/2017 Last: Prentice Geoprobe MM/ DD/ YYYY MM /DD/ YYYY Firm: Gelss Soil & Samples, LLC Borehole Diameter WI Unique Well No. DNR Well ID No. Final Static Water Level Surface Elevation Well Name 790 feet MSL 2 inches 781 feet MSL Local Grid Location Local Grid Origin (estimated X) or Boring Location Lat 43° 28 '17.5 N Feet W Feet S SE 1/4 of SW 1/4 of Section 28, T 12 N, R 21 E Long 87° 59 ' 30.5 W County Code Civil Town / City / Village Facility ID County Fredonia 46 246147110 Ozaukee Soil Properties Sample Depth in Feet (below ground surface) ĕ£ Compressive Strength Counts Diagram Graphic Log Liquid Limi Moisture Content Length Att. Recovered (PID / FID Soil / Rock Description 200 SC Plasticity RQD / Comments And Geologic Origin Blow (For Each Major Unit Vell FILL 0-2' Brown sand and gravel (FILL) 2-4' Tan to reddish tan silt/clay ML/CL 12.0 М No petro odor G-4-1 48 (3.5 feet) ML/CL 4-8' Tan silt/clay with trace gravel No petro odor G-4-2 8-9' Tan sandy (fine to medium grained) silt/clay ML/CL 20.2 М (8 feet) 24 G-4-3 9.7 M/W No netro odor ML/CL (9 feet) 9-12' Tan silt/clay with trace gravel .12 W No petro odor G-4-4 48 14.9 (14 feet) 48 15 12-18' Tan sitt/clay with trace gravel ML/CL W No petro odor 14.0 G-4-5 48 (18 feet) 40 18-19' Gray weathered dolomite Refusal at 19 feet bgs. Groundwater sample G-4-W was _21 collected. Borehole abandoned. I hereby certify that the information on this form is true and correct to the best of my knowledge Firm: **METCO** Signature:

This form is authorized by Chapter 281, 283, 289, 291, 292, 293, 295 and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

Signature:

SOIL BORING LOG INFORMATION

Form 4400-122

Rev. 7-98

Waste Management: Watershed / Wastewater: Route To: Other: Remediation / Redevelopment: Page 1 of 1 Boring Number License / Permit / Monitoring Number Facility / Project Name G-5 Waubeka Mill, Inc. **Drilling Date Completed Drilling Method Drilling Date Started** Boring Drilled By: Name of crew chief (first, last) and Firm 10/02/2017 10/02/2017 First: Darrin Last: Prentice Geoprobe MM /DD/ YYYY MM/ DD/ YYYY Firm: Geiss Soil & Samples, LLC Borehole Diameter Final Static Water Level Surface Elevation WI Unique Well No. DNR Well ID No. Well Name 2 inches 790 feet MSL Dry Local Grid Location Local Grid Origin (estimated X) or Boring Location Е Lat 43° 28 ' 17.5 N Ν State Plane N. Feet W Feet S Long 87° 59 ' 30.5 W SE 1/4 of SW 1/4 of Section 28, T 12 N, R 21 E County Code Civil Town / City / Village Facility ID County Fredonia 46 246147110 Ozaukee Soil Properties Sample Length Att. & Recovered (in) Depth in Feet (below ground surface) Compressive Strength Plasticity Index Well Diagram Blow Counts Graphic Log Liquid Limit Content PID / FID Soil / Rock Description USC RQD / Comments And Geologic Origin For Each Major Unit Gravel 0-1' Brown sand and gravel (FILL) 1-3' Brown sandy (very fine to medium grained) silt/clay ML/CL No petro odo: 8.3 М G-5-1 48 (3.5 feet) 30 3-14' Tan silt/clay with gravel ML/CL No petro odor 10.6 М G-5-2 48 24 (8 feet) No petro odor М 7.0 G-5-3 _12 48 (12 feet) 30 14' Dolomitic sandstone 10.7 М No petro odor 48 G-5-4 (14 feet) 24 Refusal at 14 feet bgs. Groundwater sample G-5-W not 15 aken as well was dry. Borehole abandoned. I hereby certify that the information on this form is true and correct to the best of my knowledge

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295 and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

Firm:

METCO

Signature:

SOIL BORING LOG INFORMATION

METCO

Firm:

Form 4400-122

Rev. 7-98

Route To:

Watershed / Wastewater:

Waste Management:

Other: Remediation / Redevelopment: License / Permit / Monitoring Number Boring Number Facility / Project Name G-6 Waubeka Mill, Inc. Drilling Method **Drilling Date Completed Drilling Date Started** Boring Drilled By: Name of crew chief (first, last) and Firm 10/02/2017 10/02/2017 First: Darrin Last: Prentice Geoprobe MM/ DD/ YYYY MM /DD/ YYYY Firm: Geiss Soil & Samples, LLC Borehole Diameter WI Unique Well No. DNR Well ID No. Well Name Final Static Water Level Surface Elevation 2 inches 790 feet MSL 777 feet MSL Local Grid Location Local Grid Origin (estimated X) or Boring Location Lat 43° 28 ' 17.5 N State Plane Feet W Long 87° 59 ' 30.5 W Feet S SE 1/4 of SW 1/4 of Section 28 , T 12 N, R 21 E County Code Civil Town / City / Village Facility ID County Fredonia Ozaukee 246147110 Soil Properties Sample Depth in Feet (below ground surface) Jumber & Type Compressive Strength Plasticity Index જ ⊊ Well Diagram Graphic Log Blow Counts Liquid Limit Moisture Content PID / FID Length Att. Recovered (Soil / Rock Description uscs RQD / Comments And Geologic Origin For Each Major Unit FRE 0-1' Brown sand and gravel (FILL) SM/SC 2-4' Brown to tan silty/clayey very fine to fine grained 3 No petro odor 26.7 G-6-1 48 (3.5 feet) ML/CL 4-8' Tan silt/clay М No petro odor G-6-2 48 (8 feet) ML/CL 8-12' Tan silt/clay with gravel 28.2 M No petro odo: G-6-3 48 12 (12 feet) 36 22.1 · M/W No petro odo: G-6-4 48 (13 feet) 48 ML/CL 12-16' Tan to light brown silt/clay 15 EOB at 16 feet bgs. Groundwater sample G-6-W was collected. Borehole abandoned. I hereby certify that the information on this form is true and correct to the best of my knowledge

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SOIL BORING LOG INFORMATION

Form 4400-122

Rev. 7-98

			Route To:	Watershed / Wastewater: Remediation / Redevelopment:		Wast∈ I	Manag	ement: :Other						
				Nemediation / Nedevelopment		ı		00101.			Page	1	of	1
Facility / P	roject N	ame			License	e / Permi	t / Moni	toring N	lumber				Во	ring Number
Waubeka			_			· .							_	G-7
_	-	Name		ef (first, last) and Firm	-	Date Sta			Drilling	Date Co 0/02/201	•	3	Dri	lling Method
	Darrin Goice Sa	all P. Con	Last: nples, LLC	Prentice		10/02/201 // DD/ YY				0/02/201 1/DD/ YY				Geoprobe
			Vell ID No.	Well Name		al Static		.evel			Elevatio	n	E	orehole Diameter
						778 fee	et MSL			790 fe	et MSL			2 inches
Local Grid	Origin	(estima	ited X) or E	Boring Location					•	Local G	rid Loca			
State Plane		N,	Е			28 ' 17.5				Feet S		E		
	v ¼ of Se		, T 12 N, R	21 E County	Long 8	7° 59 ' 3		y Code			ivil Tov		v / V	'illage
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		nple						Soil F	ropertie	S				
Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Líquid Limit	Plasticity Index	P 200	RQD / Comments
			- - -	Grass 0-1.5' Brown sand end gravel (FILL)	FILL									
G-7-1 (3.5 feet)	48 24		3 -	1.5-5' Brown sandy (fine to medium grained) silt/clay	ML/CL			18.4		М				No petro odor
			6	5-6' Fine to medium grained sand	SP	; :·								
G-7-2	48		- - -	6-8' Tan sandy (fine to medium grained) sill/clay with gravel	ML/CL			15.1		М				No petro ador
(8 feet)	24		9 - -	8-12' Tan silt/clay with gravel	ML/CL									
G-7-3 (12 feet)	48 36		12 	12-14' Tan sill/clay with gravel	ML/CL			21.3		М				No petro odor
G-7-4 (14 feet)	48 24		 15	Refusal at 14 feet bgs. Groundwater sample G-7-W was not taken as well was dry. Borehole abandoned.				18.0		w				No petro odor
			- - 18 - -											
			21											
			24 - - -											÷
			27 _ _ _ _ _						:					
I hereby	certify th	at the i	nformation	on this form is true and correct to the best o	f my kno	wledge						•		
Signature									Firm:	ME	TCO			

This form is authorized by Chapters 261, 283, 289, 291 292, 293, 295 and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

SOIL BORING LOG INFORMATION

Form 4400-122

Rev. 7-98

Боракто			Route To:	Watershed / Wastewater:		Waste	Manag	ement: Other:	100 122					
				Remediation / Redevelopment:	Χ			Other.			Page	1	of	1
Facility / P	roject N	ame			License	/ Permi	t / Monit	oring No	ımber				Boı	ing Number
Waubeka l	-													HA-1
			of crew chi	ef (first, last) and Firm	_	Date Sta				Date Co			Dri	ling Method
	Matthew		Last:	Michalski		0/02/2017				0/02/2017 /DD/ YY				Geoprobe
	METCO Well No.	DND M	/ell ID No.	Well Name		/ DD/ YY I Static \		evel		urface E		3	В	orehole Diameter
AA1 Ouldre A	real INO.	DINK V	veil ID No.	wen radiie		759.5 fe		3.0,	·	760 fee		•		2 inches
Local Grid	Origin	(estima	ted X) or E	Boring Location		700.010	OL MOL			Local G		tion		
State Plane		N,	Ε		Lat 43°	28 ' 17.5	N			N		E		
SE 1/4 of SV		ction 28	, T 12 N, R		Long 8	7°59 '30		0-4-		Feet S			. /) /	211
	cility ID			County			County			<u>C</u>	ivil Tow			ınage
246	3147110			Ozaukee			41		ropertie		r	redonia	1	
<u>a</u>	San	тріе					-	- 00117		<u> </u>		ĕ	П	
Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description	Ø	Graphic Log	Diagram	PID / FID	Compressive Strength	ent ent	Liquid Limit	Plasticity Index	200	
Ф 8	th A	ડ્	w gr	And Geologic Origin	ပ	phic	- Dia	/ [npre	Maisture Content	<u>p</u>	ticity	P 20	RQD / Comments
dm .	Leng	Blov	Sept Selo	For Each Major Unit	, D	Gra	Well	<u>a</u>	ပ္ပိ	20	ij	Plas		
Z	ш.			Rip Rap and Soil										
HA-1-1			-	0-1' Brown silty/clayey, fine to coarse grained sand with	SMSC	- J.		8.7		w				No petro odor
(6 inches)			-	gravel and cobbles		1:1							l	
			_1 	EOB at 1 feet bgs. Groundwater sample HA-1-W							1			
			Ε .	collected. Borehole filled with native material.										
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Firm:

METCO

I hereby certify that the information on this form is true and correct to the best of my knowledge

Signature:

Signature:

SOIL BORING LOG INFORMATION

METCO

Firm:

Form 4400-122

Rev. 7-98

		F	Route To:	Watershed / Wastewater Remediation / Redevelopment		Waste	Manage	ement: Other:						
				,				_			Page	1	of '	1 ing Number
acility / Pr		ame			License	/ Permit	/ Monito	oring Ni	ımber				DU1	HA-2
Vaubeka I		Nome	of crow chie	ef (first, last) and Firm	Drilling	Date Sta	rted		Drilling I	Date Co	mpleted	1	Dril	ling Method
	Matthew	ivallie C		Michalski	1	0/02/2017			10)/02/2017	7			Geoprobe
	METCO					/ DD/ YYY I Static V		wel		IDDI YY urface E		n	В	orehole Diameter
WI Unique V	Veil No.	DNR W	ell ID No.	Well Name		89.166 fe				760 fee				2 inches
ocal Grid	Origin	(estima	ted X) or B	oring Location		00.100 //	JUL 1110 -			Local G	rid Loca			
State Plane		N,	E			28 ' 17.5				N Soot S	Feet	E w		
SE 1/4 of SV		ction 28	, T 12 N, R	21 E County	Long 8	7° 59 ' 30	County	Code	· ·		ivil Tov		// V	illage
	cility ID 3147110			Ozaukee			46					redonia		
240	Sam							Soil P	ropertie	S T	-		7 "	
Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	nscs	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
			-	Rip Rap 0-6° Rip Rap	FILL									
HA-2-1			- 1 - 1 - 2 - 3 4 4	EOB at 6" feet bgs. Groundwater sample HA-2-W collected. Borehole filled with native material.		****								
I hereby	certify to	hat the	6 7 7 8 8 9 	n on this form is true and correct to the besi	t of my kn	owledge						The state of the s	i i i i i i i i i i i i i i i i i i i	

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295 and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

SOIL BORING LOG INFORMATION

Form 4400-122

Rev. 7-98

		i	Route To:	Watershed / Waste			Waste	Manage	ement: Other:						
				Remediation / Redevelo	pment:	X			Offier:			Page	1	of	1
Facility / Pi	roject N	ame				License	/ Permit	/ Monite	oring N	umber					ring Number
Waubeka I	Mill, Inc.			•											HA-3
Boring Dril	led By:	Name o	of crew chi	ief (first, last) and Firm			Date Sta			Drilling I			i	Dri	lling Method
	Matthew		Last:	Michalski			0/02/2017 / DD/ YY\				0/02/201 I /DD/ YY				Geoprobe
Firm: Wi Unique V	METCO Vell No.	DNR W	/elUD No	Well Name			Static V		evel			Elevatio	n	В	orehole Diameter
,		D, 11 C 1 1	011 15 110:			7	98.083 fe	eet MSL			760 fe				2 inches
Local Grid	Origin	(estima	ted X) or B	Boring Location						100		rid Loca			
State Plane		N,	E				28 ' 17.5				N Feet S		E W		
SE 1/4 of SV	V ¼ of Se cility ID		, T 12 N, R	21 E County		Long 8	7°59'30	County	Code			ivil Tov		y / V	illage
	6147110			Ozaukee				46			_		redoni		
240	Sar		·	024410					Soil F	ropertie	s			1 1	
Number & Type	Length Att. & Recovered (in)	Blaw Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit		uscs	Braphic Log	Weil Diagram	PłD / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
ž	&		-	Bio Rao 0-6° Rip Rap		FILL									
HA-3-1			<u> -</u>	EOB at 6 inches bgs. Groundwater sample HA	-3-10/		****							1	
	ļ		<u>-</u> 1	collected. Borehole filled with native material.											
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		hat the		n on this form is true and correct to th	e pest (or my kno	wieage			Firm:	М	ETCO	······		
Signatur	e:		\sim							4 111111	441				

This form is authorized by Chapters 281, 283, 289, 291, 297, 293, 295 and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

Signature:

SOIL BORING LOG INFORMATION

METCO

Firm:

Form 4400-122

Rev. 7-98

Route To:

Watershed / Wastewater: Remediation / Redevelopment: Waste Management: Other:

Page of 1 **Boring Number** License / Permit / Monitoring Number Facility / Project Name MW-1 Waubeka Mill, Inc. **Drilling Date Completed** Drilling Method **Drilling Date Started** Boring Drilled By: Name of crew chief (first, last) and Firm 03/16/2018 03/16/2018 First: Bob Last: Rector H.S.A MM /DD/ YYYY MM/ DD/ YYYY Firm: SES Borehole Diameter Final Static Water Level Surface Elevation WI Unique Well No. DNR Well ID No. Well Name 790 feet MSL 8 inches 774 feet MSL MW-1 **WA132** Local Grid Location Local Grid Origin (estimated X) or Boring Location Ν Lat 43° 28 '17.5 N State Plane N. Feet S Feet W Long 87° 59 ' 30.5 W SE 1/4 of SW 1/4 of Section 28, T 12 N, R 21 E Civil Town / City / Village County Code County Facility ID Fredonia 46 Ozaukee 246147110 Soil Properties Sample Length Att. & Recovered (in) Index Depth in Feet (below ground surface) Compressive Strength **Nell Diagram** Graphic Log Liquid Limit Blow Counts Moisture Content PID / FID USCS Soil / Rock Description Plasticity RQD / Comments And Geologic Origin For Each Major Unit SC 0-4' Gray clayey sand 732 М Petro odor MW-1-1 24 (3.5 feet) 12 CL 4-8' Gray sandy clay with gravel 522 М Petro odor MW-1-2 24 (7 feet) 12 CL 8-12 Tan sandy clay Slight petro odor М 19.4 MW-1-3 24 (12 feet) 12 12-16' Tan sandy clay with gravel CL W Slight petro odor 10.7 MW-1-4 24 (16 feet) 18 CL 16-21' Gray sandy clay with gravel and cobbbles W Stight petro odor 4.8 MW-1-5 24 (20 feet) EOB at 21 feet bgs. Monitoring well MW-1 was installed 20.5 feet with a 15 foot screen. I hereby certify that the information on this form is true and correct to the best of my knowledge

This form is cuttorized by Chapters 281, 283, 289, 291, 292, 293, 295 and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

Well / Drillhole / Borehole Filling & Sealing Form 3300-005 (R 4/08) Page 1 o

			Route	to:						-		
Verification Only of Fil	l and Sea	1	$ \Box$	Orinking	Water	<u> </u>	Watershed/	Wastewater	X	Remedia	ation/Redevel	opment
				Naste M	anagemen	t 🗀	Other:					
		i Ngjari Ng		modzi na	TO THE PERSON OF		y / Owner.		CENTRAL PAR	HILL THE		grancii.
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	nique Well # oved Well	Ož	Hicap	#		Pacanty INAI		eka Mill, Ir	10			
OZAUKEE						Cookly (f)	FID or PWS	·				
Lattitude / Longitude (Degrees a	nd Minutes	Metho	d Code	(see in:	structions)	Facility (D	LID OI LESS		147110			
43 • 28.28	'N	1				icense/Pe	rmit/Monitor	THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.	7/110			
						Liceisere	i triiniăioi siroi	11 1A 11.				
<u>87</u> • <u>59.519</u> .	<u> </u>	<u>'l — </u>				Original W	all Owner					
14 SE 14 SW	Section	Tov	qidanw	Rang	e [x] E	Origina: vv		Jacquelyn V	/neks			
or Gov't Let #	28	1	12	N 21	₩	Present W						
Well Street Address				Aller I was a second		1 COCIN **	CH CHILL	Jacquelyn	Voeks			
W4132 Mill Street						Mailing Ad	dress of Pre				71.7 1 1000	now years minimum
Well City, Village or Town		AN / 10 / 10 / 10 / 10 / 10 / 10 / 10 / 1	₩e	II ZIP C	ode	Atentification	41000 Ci I 15		80 Emerald	Pt. Build	ling 5. Co	
Town of Fredonia				53021-		City of Pre	sent Owner			State	ZIP Code	
Subdivision Name			Loi	#		- City (1. 1. 10		ollister		МО	65672-	
						PER NEW YEAR	Liner, Sci		A P Casi	1775 / SW-00-75-2-42	(200 - 200 -	Reference
Reason For Removal From Ser	vice WI Ur	ique We	# of 1	Replacer	nent Well	a' samb	Littel, St.	anıl Adoli	ig of Coon	iii iii iii ii		lel
Sampling Complete					_	Pump a	nd piping re	moved?			Yes Land No	[X] _{N/A}
3. Well / Drillhole / Boreho	le Informa	lon		ocyan danie o soci		Liner(s)	removed?			닏	Yes LINo	[X] _{N/A}
	Original C		tion Da	te (mm/	dd/yyyy)	Screen	removed?				Yes No	XINA
Monitoring Well)/2/20		****	Casing	left in place	?			Yes LINO	X _{N/A}
Water Well	if a Well			W. W. W. W. W. W. W. W. W. W. W. W. W. W	available,	Was ca	sing cut off I	below surfac	ce?		Yes INO	X _{N/A}
X Borehole / Drillhole	please a					1	ling materia			[x]	Yes INO	□ _{N/A}
Construction Type:						1	terial settle :				Yes X No	□N/A
	n (Sandpoin	1	П	Dug			es, was hole				Yes DNo	[v]
		,	٠ السلا	~~8		li bento	nite chips we ter from a kn	ere used, we	re they hydi	rated [vi	, ,	
X Other (specify): Geopre	ope					with wa	ter from a kn	lown safe so	urce?	ĮA,	IYes LINO	LJN/A
Formation Type:							Viethod of Pl			Diam Duran	and:	
X Unconsolidated Formatio	ń	Bed	lrock				ductor Pipe-Cened & Pour		Conductor			
Total Well Depth From Ground	Surface (fl.	Casin	g Diam	eter (in.)			tonite Chips) [7]	Other (Expl	ein): Gr	avity	
•	19	1			117-77	Sealing M				1		
Lower Drillhole Diameter (in.)		Casin	g Depti	n (ft.)		☐ Nea	t Cement Gr	out	닏		nd Slurry (11 l	
		_[_ L San	d-Cement (C	oncrete) Gr	out 🖳	i	e-Sand Slurry	* *
	un [] _{Yes}	П	No C	Unknow		crete		L	Bentonit	•	
Was well annular space groute					3 Olimbota	For Monit	oring Wells a		, mm			
If yes, to what depth (feet)?	Del	oth to W	ater (fe			X Ben	tonite Chips				nent Grout	
				16		Gra	nular Benton	ite	Bento	nite - San	d Slurry	Canada and the A. A.
5. Material Used To Fill Wel	l / Drillhole	31 H 6	No.	N. T. C.	100	From (f) Toft	I	ounds			25
STATE OF THE PROPERTY OF THE P				3.50 mg / 1.15 mg	Constitution of	Surfac	e 19		28.5	 		
Medium Bentonite Chips												
•												
	7 7 42 7 7 7 42 17 5	Stranger		515 m. 198	in the contract	450000000000000000000000000000000000000			Tree mark			
6. Comments			<u>, </u>	15.100 j. 15.25	one in the Care		CONTRACTOR OF	M. PALL DUTING	E MENERALIA GER		C. DESCRIPTION OF STREET	A 1020, 2 60.
Geoprobe Boring G-1 Abandoned by Geiss Soil &	2. Samples I	I C und	lor MF	ፐርብ 👊	nervision							
** ***********************************	E Dampies, 1			or constitu	Merkera tili 1900.	ALEXANDER OF THE	745 EWI	4655 E-15	annsi gali	DNR/Us	A CHIV	
7. Supervision of Work	.18	J (14.4	(1 3 0,6 ≥)		Ský Pilok	- History & Co.	aling (mm/dd	(Anany) Dista	Received	C. 2 CO	oled By	
Name of Person or Firm Doin		eanng 1	License	# *	Date Of	10/2/20		-,,,,,,				ignocation of
Matthew Michalski (METC	U)					Telephone !		488-50 E7117	ments		elegation and the	
Street or Route	e Street, Suit	. 3				(608)78						
	e Street, Sull		60 F	ZIP Cod			of Person l	Doing Work	State of the state	moasexii fil	ate Signed	egyddigellandiai (156)
City		Sta	vi l	54603		- Sugaron			mein	Γ	10/12/	17
La Crosse			11	J-1003	, -		i srry	14	mur	<u> </u>		···

Well / Drillhole / Borehole Filling & Sealing Form 3300-005 (R 4/08) Page 1 of

		Rou	te to:		_			f1		
Verification Only of Fill a	nd Seal		Drinking W	/ater	<u></u> ₩:	atershed/Was	stewater	[X] Remedia	ation/Redevelo	pmeni
			Waste Mai	nagement	O	her:	···	<u> </u>		
1. Well Location Information	20% SE 1086	Part and	aria atuad		2. Facility /	Owner Info	rmation			(957-25) MA 1582
The state of the s	ue Well # of	Hicar) #		Facility Name				COLUMN TO THE PARTY OF THE PART	
Remove	d Well					Waubeka	Mill, Inc.			····
OZAUKEE					Facility ID (FI	or PWS)			·	
Lattitude / Longitude (Degrees and		ethed Coo	ie (see inst	ructions)			2461471	10		
43_ • _28.28	'N			•	License/Permi	it/Monitoring	#			
87 • 59.519.	·w .									
1/1/4 SE 1/4 SW	Section	Townshi	p Range	[v]E	Original Well		guelyn Voeks			
or Gov't Lot #	28	12	N 21	Пw	Present Well		queiyii vocks			
Well Street Address					Liescht Aach		cquelyn Voek	s		
W4132 Mill Street					Mailing Addre				- AIR C A	
Well City, Village or Town		M	/ell ZIP Cod	le				nerald Pt, Build	ling 5, Co	
Town of Fredonia	<u></u>		53021-		City of Preser	nt Owner		State	ZIP Code	
Subdivision Name		L	ot#			Hollis	ster	МО	65672-	
		1		- 1 4 9 . 11	4. Pump. L	ner, Scree	n, Casing &	Sealing Mate	rial	
Reason For Removal From Service	ze WI Uniqu	e Well # o	Replacem	ent Well	2 x 2 2 30 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	piping remov			Yes No	[x] _{N/A}
Sampling Complete	<u> </u>				Liner(s) re		YÇU (Yes \square_{No}	[x] _{N/A}
3. Well / Drillhole / Borehole				AC - 1	2				Yes DNo	[x] _{N/A}
Monitoring Well	Original Cons			агуууу)	Screen rer				Yes No	[X] _{N/A}
Water Well		10/2/2		** **	Casing left				Yes DNo	[x] _{N/A}
	if a Well Cor please attac	nstruction ! to	Report is av	/ailable,	1	g cut off belo		fv	Yes DNo	□ _{N/A}
X Borehole / Drillhole	bicase array	41,			1		e to surface?	<u></u>	Yes XNo	□ _{N/A}
Construction Type:	O t t . 1	F	Dug			al settie after was hole ret			Yes DNo	X N/A
	Sandpoint)	سا	l naa		If bentonite	was note ret chips were t	used, were the n safe source		1 -	L3
X Other (specify): Geoprob					with water	from a know	n safe source ng Sealing Ma	? LA todal	IYes LINo	LIN/A
Formation Type:					وبالنبيار	thoo of Place tor Pipe-Grav	1	uena ductor Pipe-Pun	ned	
X Unconsolidated Formation		Bedrock			1 =	aor ripe-Gran ed & Poured		or (Explain): Gr		
Total Well Depth From Ground S		asing Dia	meter (in.)		(Bento	rite Chips)	1J Gule	ii (Exhair).		
2					Sealing Mate			Clausea	nd Slurry (11 lt	thu lent
Lower Drillhole Diameter (in.)	þ	asing Dep	oth (ft.)			ement Grout	matel Cross		e-Sand Slurry	-
					Concre	ement (Cond	Hele) Groot	Bentoni	-	
Was well annular space grouted	· 🗀	res 🗀	lNo Ll	Unknow			Monitorina W	ell Boreholes Or	•	
If yes, to what depth (feet)?	Depth	to Water (feet)		1	ite Chips		Bentonite - Cer		
n jeo, in man entre ferra.		,	9.5		1 200	ar Bentonite		Bentonite - Sar		
				iolis seed	From (ft)	To(ff)	Pour	de		31
5. Material Used To Fill Well!	Drillhole //			B((\$19); 14	25 25 25 25 25 25 25 25 25 25 25 25 25 2	CAPACOCK STREET, CAPACITY CO.	222			
Medium Bentonite Chips					Surface	20		30		
						<u> </u>			_	
	erone (ciancian) e	vens i la constitue	35.7535 - 13.45	15 2 1 Car (See 25 - 5)	Street Control	\$1000 DESC. 18		ion Line in the last		1 P 1 P 1 P 1 P 1 P 1 P 1 P 1 P 1 P 1 P
6. Comments							CDC 4-9-1-1-3	iossiaissi itiririsi	T-18000010101010101	SINKE AR
Geoprobe Boring G-2 Abandoned by Geiss SOil &	Samples III	C under N	AETCO sur	nervision						
	Samples, LD	TERROLL SERVICE	12 2 V V	ASSESSED OF				DNRU	e Only	
7. Supervision of Work Name of Person or Firm Doing I	Illing & Spali	na Licen	se #	Date of	Filling & Sealin	a (mm/dd/yy	yy) Date Rec	4.6.5	oled By	A 11
Matthew Michalski (METCO)		ing process	₩ 11		10/2/201		TERMINE.	Wed wines		History.
Street or Route				J	Telephone Nu		Commen	18		
709 Gillette S	treet, Suite 3				(608) 781-	8879				Charles !! St.
City		State	ZIP Code			Person Doir	ng Work		ate Signed	7
La Crosse		WI	54603-			maga	nya	4	10/12/1	<u> </u>
						W				

Well / Drillhole / Borehole Filling & Sealing Form 3300-005 (R 4/08) Page 1 of

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

☐ Verification Only of	Fill and Sea	al [Drinkin	g Water	□w	atershed/Was	stewater	X Remedia	ition/Redevelor	pment
ventication only of		·	Waste	Managemen	t 🔲 o	her:				
1. Well Location Inform	ation-				2. Facility/	Owner Info	matten.			
County V	VI Unique Well	# of Hi	cap#	hydrac (1) (1) (1) (1) (1)	Facility Name					XXXXX
OZAUKEE	Removed Well						Mill, Inc.			
Lattitude / Longitude (Degre	os and Minutes) Method (ode (see i	instructions)	Facility ID (FII	or PWS)	04/44/7110		•	
43 • 28.28) ! 	i	(050	.,,	License/Perm	i i i i ani ani an	246147110 *			
					Licenserram	www.acoming	r.			
<u>87</u> • <u>59.519</u>		<u>~l — –</u>			Original Well	Owner				
14/14 SE 14 SW		1	·	ige [x] E	_		quelyn Voeks			
or Gov't Lot#	28	12	N 2	ı Lw	Present Well	Owner		-		
Well Street Address							quelyn Voeks	· · · · · · · · · · · · · · · · · · ·		- annuninament
W4132 Mill Street			Well ZiP	Code	Mailing Addre	ss of Present			luas Co	
Well City, Village or Town Town of Fredonia			53021-		00 10	-1-0	680 Emer	ald Pt, Build State	IZIP Code	
Subdivision Name	 		Lot#	·- <u></u> .	City of Preser	it Owner Hollis	stan	MO	65672-	
and any or contract and any com-							r, Casing & Si	A	**************************************	da i.i.
Reason For Removal From	Service WIU	nique Well #	of Replac	ement Well	100000000000000000000000000000000000000		710.00			[x] _{N/A}
Sampling Complete					 '	piping remov	red?			$[x]_{N/A}$
3. Well / Drillhole / Bor	ehole Informa	tlon	grafiji. (at the subjection	Liner(s) re			F1		[x] _{N/A}
Monitoring Well	Original	Construction		n/dd/yyyy)	Screen rei			<u> </u>		X N/A
			/2017		Casing lef					$[x]_{N/A}$
Water Well	If a Wel	l Constructio	on Report is	s available,	1	g cut off belo			Yes No	D _{N/A}
X Borehole / Drillhole	piease	attaut.				g material rise		1.45	l vi	∏ _{N/A}
Construction Type:			- I B			al settle after		اسا		[X] _{N/A}
	Oriven (Sandpoli	10	Dug		If bentonite	was hote reto chips were t	used, were they l n safe source?	ست انجا hydrated		
[X] Other (specify): _Ge	oprobe				with water	from a known	n safe source?" g Sealing Materi	[A]	Yes No	LIN/A
Formation Type:					ينتسس ا	good of Macin Stor Pipe-Grav		a tor Pipe-Pum	ned	
X Unconsolidated Form		Bedro			. = .	ed & Poured	- '* = = - '	xplain): Gra	-	
Total Well Depth From Gr		.) Casing E	lameter (in	n.)		rite Chips)	t 7 Other (t	- Apromy		
	20	h	\L_ /6 \		Sealing Mate	nais ement Grout		Clay-Sar	nd Slumy (11 lb	Jgal. wt.)
Lower Drillhole Diameter (in.)	Casing E	epth (ft.)			cinera Croca Cement (Conc	rete) Grout		Sand Slurry "	
The state of the s			F1 1	7	Concre	•		Bentonit	-	
Was well annular space g	routed?	∐Yes	∐No L	Unknow			Monitoring Well I	Boreholes On	ly:	
If yes, to what depth (feet)	? De	pth to Wate	r (feet)		X Benton	ite Chips	☐ Be	entonite - Cen	ent Grout	
			1	2	Granul	ar Bentonite	L B∈	entonite - San	d Slurry	
5. Material Used To Fill	Well) Drillhold		715000		From (ft.)	To (ft)	Pounds	3		1 3 2
Medium Bentonite Chi	ps				Surface	20	30			
-									<u> </u>	
	2007 000 September 500 00	2130 A. 6. T A. 6.	An Tana et Ethiologia	1 81.012,250.40.12	An - 241 (4 1755) AN - 241 (4 1755)	815555770 W	* 50 5 5 5 N/2 1/K			
6. Comments				A. M. A. M. A. A. A. A. A. A. A. A. A. A. A. A. A.	kirisij <u>iein</u>		CONTRACTOR	RATIFATION OF THE	AND CHECKEN	12-48-12-AN
Geoprobe Boring G-3 Abandoned by Geiss S	Oil & Samples.	LLC under	METCO	supervision						
7. Supervision of Wo								DNR Us		
Name of Person or Firm		Sealing Lic	ense #	Date of			y) Date Receiv	ed 🤭 🤊 N	cled By	
Matthew Michalski (MI	ETCO)				10/2/201		25.00			
Street or Route					Telephone Nu		Comments			
709 Gi	llette Street, Su	ite 3			(608)781-	8879	48.00 Extracted to	湖海30% 多块块	CHECK CONTRACTOR	FAMILY ST.

Whalindited by Octos pour or parithees ten-				and the second s
7. Supervision of Work			DNRU	lse Crily .
Name of Person or Firm Doing Filling & Sealir	g License#	Date of Filling & Sealing (mm/dd/yyyy)	Date Received	Noted By
Matthew Michalski (METCO)		10/2/2017		BHOMBAS BBB
Street or Route		Telephone Number	Comments.	
709 Gillette Street, Suite 3		(608) 781-8879		Micakinson and State of the Co.
City	State ZIP Code	Signature of Person Doing \	Work .	Date Signed

WI 54603-La Crosse

Well / Drillhole / Borehole Filling & Sealing Form 3300-005 (R 4/08) Page 1 of

Verification Only of Fill a	and Seal		e to: Drinking W Waste Mai	nagement		atershed/Wa her:	•	Remedia	ation/Redevelop	ment
1. Well Location Information		ediani k			2. Facility /	Owner Info	mation	dia		
Remove	ue Well # of ed Well	Hicap	#		Facility Name	Waubeka	Mill, Inc.			
OZAUKEE					Facility ID (FIC	or PWS)			-	
Lattitude / Longitude (Degrees and	(Minutes) M	ethod Code	s (see inst	ructions)		· · · · · · · · · · · · · · · · · · ·	246147110			
<u>43</u> <u> </u>	'N				License/Permi	t/Monitoring	#			
<u>87</u> • <u>59.519</u> .	w				Original Well ()wner				
1/1/4 SE 1/4 SW	Section	Township	i -	[x] E	Ongaio, tres.		quelyn Voeks			
or Gov't Lot #	28	12	N 21	W	Present Well (Owner		11		
Well Street Address						Ja	cquelyn Voeks			
W4132 Mill Street					Mailing Addre	ss of Presen	t Owner			
Well City, Village or Town			all ZIP Cod	ie			680 Emeral	d Pt, Build		
Town of Fredonia			53021-	 	City of Presen	t Owner		State	ZIP Code	
Subdivision Name		Lo	t #			Holli		MO	65672-	M24: 11 11
	- Mittelau	e Well # of I	Pentarem	ent Well	4. Pump, LI	ner, Scree	n, Casing & Sea	ling Mate		
Reason For Removal From Service	SE ANI CIRMON	e vych e c ei	/chace	Coll # 95011	Pump and	piping remov	ved?			X _{N/A}
Sampling Complete			New York Control	_ -:Hur Zirktin	Liner(s) rer				Yes DNo	[X] _{N/A}
3. Well / Drillhole / Borehole	Original Cons		to (modd	HARAN)	Screen ren					[X] _{N/A}
Monitoring Well	Onginal Cons	10/2/20			Casing left				Yes No	X _{N/A}
Water Well	If a Well Cor			oldelia.		g cut off belo	w curface?			[x] _{N/A}
X Borehole / Drillhole	nlease attac		epuit is av	raliauic,			e to surface?		Yes \square_{No}	$\square_{N\!/\!A}$
Construction Type:	1.	·····				al settle afte			Yes [x]No	□ _{N/A}
	Sandpoint)	П	Dug			was hole rel				[X] _{N/A}
					If bentonite	chips were	used, were they hy n safe source?	drated [x	lyes DNo	□ _{N/A}
X Other (specify): Geoprobe					With Water	had of Placin	n sale source? ng Sealing Material	<u></u>	23 C2 110	
Formation Type:	,	1			يتكسو ا	tor Pipe-Gra		r Pipe-Pum	nped	
X Unconsolidated Formation	L.	Bedrock			Screen	ed & Poured	[X] Other (Ex	•	-	
Total Well Depth From Ground S		asing Diam	eter (in.)			ite Chips)	4 - Giller (2.4)			
1	The state of the s		L /A\		Sealing Mate	nais ement Grout	r] Clay-Sa	nd Siurry (11 lb.	./gal. wt.)
Lower Drillhole Diameter (in.)	۲	asing Dept	a (it.)			ement (Con			e-Sand Slurry "	
			F		Concre			Bentonit	le Chips	
Was well annular space grouted	? ∐\	∕es ∐	No L	Unknown			Monitoring Well Bo	 reholes On	ıly:	
If yes, to what depth (feet)?	Depth	to Water (fe	eet)		X Benton				nent Grout	
•			9		Granule	ar Bentonite	☐ Ben	tonite - Sar	nd Slurry	
5. Material Used To Fill Well /	Drillhole				From (ft.)	To(ft)	Pounds			
Medium Bentonite Chips	ALE TO SERVICE STREET				Surface	19	28.5			
1720										
										TOTAL STATE
6. Comments					(20.122) (21.122)			and the same	THE SECOND	
Geoprobe Boring G-4 Abandoned by Geiss Soil & S	Samples II C	' under ME	TCO sun	ervision						
20 Jan 20	Jampies, DEC			enselines:		THE STATE		DNR Us	e Only	通過學
7. Supervision of Work Name of Person or Firm Doing I	Illian & Carl	na linere	2011 (* 1723) 2 #	Date of	illing & Sealin	a (mm/dd/vv	yy) Date Received	A CONTRACTOR OF THE PARTY OF TH	loted By	機製的
Name of Person or Firm Doing i Matthew Michalski (METCO)		ing miceign	⇔ π	70,6 0,1	10/2/2017			ing in the		
Street or Route		1		1	Telephone Nur		Comments		2006-1242-15-11	300
709 Gillette S	street, Suite 3				(608)781-					
City		State	ZIP Code		Signature of			. [ate Signed	1.0
La Crosse		WI	54603-			m	a man		10/12/	11+

Well / Drillhole / Borehole Filling & Sealing Form 3300-005 (R 4/08) Page 1 of 2

☐ Verification Only of Fill	and Seal	Rou	te to: Drinking Water Waste Managem		Vatershed/Wa	stewater [X	Remedia	tion/Redevelopment
1. Well Location information		Link to the second		2. Facility	/ Owner Info	mation		
	que Well # of ed Well	Hica) #	Facility Nam		Mill, Inc.		
OZAUKEE				Facility ID (F	ID or PWS)			
Lattitude / Longitude (Degrees and	d Minutes) V	ethod Cod	le (see instruction	s)	,	246147110		
43 - 28.28	N.			1	nit/Monitoring	#		
<u>87</u> • <u>59.519</u> .	w				10000	<u>,</u>		
74/74 SE 74 SW	Section	Fownshi	P Range X	Original We		guelyn Voeks		
or Gov't Lot #	28	12	N 21	V Present We		1		
Well Street Address				1,000		cquelyn Voeks		
W4132 Mill Street				Mailing Add	ess of Preser			AND THE PROPERTY OF THE PROPER
Well City, Village or Town		V	Vell ZIP Code	1		680 Emerald	Pt, Build	ing 5, Co
Town of Fredonia			53021-	City of Pres	ent Owner		State	ZIP Code
Subdivision Name		L.	ot#	· 1	Holli		МО	65672-
				. 4. Pump,	.iner, Scree	n, Casing & Seali	ng Mate	
Reason For Removal From Servi	ce Wi Uniqu	ie Well # 0	f Replacement We	Champ of	d piping remo	verl?		Yes No [x] _{N/A}
Sampling Complete					emoved?	***************************************		Yes No [X]N/A
3. Well / Drillhole / Borehole					emoved?			Yes No [X]NA
Monitoring Well .	Original Cor		Date (mm/dd/yyyy)		ifi in place?			Yes No X N/A
Water Well		10/2/2	The state of the s			···· ourfono?		Yes No [X]N/A
X Borehole / Drillhole	If a Well Co		Report is available		ing cut off bek			Yes DNo DN/A
	1210000 0110			1	ng material ris			Yes X No NA
Construction Type:	(Ö J., . I., 1)	<u></u>	Dug		rial settle afte s, was hole re		T	Yes No NA
£ . 2 ** / ** · · · · · · ·	(Sandpoint)	L_	i neë	If bentor	ite chips were	used, were they hydr n safe source?	rated r	·
X Other (specify): Geoprob	e			with wat	r from a know	n safe source?	LA:	Yes ONO ON/A
Formation Type:				1		ng Sealing Material vity Conductor	Dina Dim	nad .
X Unconsolidated Formation		Bedrock			uctor Pipe-Gra ned & Poured			
Total Well Depth From Ground S	Surface (ft.)	asing Dia	meter (in.)	(Bent	onite Chips)	£243 Other (Expi	an). <u>C.</u>	
	14			Sealing Ma		-	۔ ما	Mr feld the found south
Lower Drillhole Diameter (in.)	İ	Casing De	oth (ft.)		Cement Grout	,—		nd Slurry (11 lb./gal. wt.) e-Sand Slurry " "
				The second second	-Cement (Con	crete) Grout	1	-
Was well annular space grouted	17 🔲	Yes []No Unkno	wn L. Cond		Monitoring Well Bore	Bentonit	•
		to Water	(feet)	· • •	nng vvens and onite Chips			nent Grout
If yes, to what depth (feet)?	- P	to escribe	(1444)	1 ===	ular Bentonite	Bento		
5. Material Used To Fill Well	THE STATE OF		e gwel sagt da le	From (ft.	and sections are allowed by	Pounds		
A STATE OF THE PROPERTY OF THE PARTY OF THE	MAY STATISTICS	galleight Harry	n ine de la politica de la composition de la composition de la composition de la composition de la composition	Surface		21		
Medium Bentonite Chips			- International Control of the Contr	562 1400	14)	
			.,					
	egoes sepageise .	r - Jan Jan Jan		44,500 to 144,534			NUSC 13	
6. Comments Geoprobe Boring G-5	ing the second	The second of the second		iki <u>(f. menjajio 11</u>	Period States		ACCOMPINED	
Abandoned by Geiss SOil &	Samples, LL	C under N	AETCO supervisi	on	v m-kapazana	ero: New Joseph Wille	es de arc	Site at a training to the little
7. Supervision of Work		41.5.54	us māniāk			Control of the second control of the second	DNR Us	e Chily cled EV
Name of Person or Firm Doing		ing Licen	se# Date	of Filling & Sea		yy) Date Received		
Matthew Michalski (METCO) .			10/2/20		Comments		
Street or Route	Ca			Telephone N				
	Street, Suite 3		ZIP Code	Signature	of Person Doi	na Work	D	ate Signed
City		State WI	54603-	L-Bithfale		ten	_	10/12/17
La Crosse ·	·	T AAT	34003-		- 100			

Well / Drillhole / Borehole Filling & Sealing Form 3300-005 (R 4/08) Page 1 of

Verification Only of Fill a	and Seal	Rou	te to: Drinking V Waste Ma		=	ntershed/Was	slewater	[x]R	emediati	ion/Redevel	opment
1. Well Location Information	20. 4	1 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	araa W		2. Facility !	Owner Info	rmation	7			3074 - 75.
	ue Well # of ed Well	Hicar	o#		Facility Name	Waubeka	Mill, Inc.				
OZAUKEE =					Facility (D (FID	or PWS)	-MI 110 / - W 110 110 110 110 110 110 110 110 110 1				
Lattitude / Longitude (Degrees and	Minutes) M	ethod Coo	te (see insl	tructions)			2461471	10			
43 * _28.28	'N				License/Permi	VMonitoring	#				
<u>87</u> • <u>59.519</u>	·w				Original Well (Suner					
W/W SE W SW	Section	Townshi	p Range	[x] E	Original Profit		quelyn Voeks				
or Gov't Lot #	28	12	N 21	□ w	Present Well	Owner				······································	
Well Street Address						Jac	quelyn Voek	s			
W4132 Mill Street				<u>.,</u>	Mailing Addre	ss of Presen	Owner				
Well City, Village or Town		M	Vell ZIP Co	de			680 Er	nerald Pt	, Buildir	1g 5, Co	
Town of Fredonia			53021-		City of Preser	it Owner		St	ate i	ZIP Code	
Subdivision Name		ľ	ot#			Hollis			MO	65672-	2020000
	140 + 6-2	- 1A/all # al	f Replacem	ant Mall	4, Pump, L	ner, Scree	n, Casing &	Sealing	Materi	al	
Reason For Removal From Service	Se Mai Duidin	G Arch 4 C	repacen	_	Pump and	piping remov	red?		□v	es 🔲 No	
Sampling Complete 3. Well / Drillhole / Borehole	laformation	**************************************	January Salah	. Mer egykk	Liner(s) re	noveď?			∟⊔۷	es 🆳 No	
	Original Con)ate /mm/d	d/vvvv)	Screen rer	noved?			<u></u> Y	es LNo	
Monitoring Well	Ungaran Gara	10/2/2			Casing left	in place?			<u> </u>	es L No	The second second
Water Well	If a Well Co			vailable.	Was casin	g cut off belo	w surface?			es 🔲 No	[x] _{N/A}
X Borehole / Drillhole please attach.						-	e to surface?		$[X]_{\gamma}$	es UNO	MARKETER
Construction Type:	·				1	al settle after				res [X] No	N/A
	Sandpoint)		Dug		If yes.	was note ret	opped?			es \square_{Nc}	X N/A
X Other (specify): Geoprob					If bentonite with water	chips were t from a known	used, were the safe source	sy hydrate?	ed [x]	es 🗆 No	□ _{N/A}
Formation Type:			·		Required Me	hod of Placin	g Sealing Ma	terial			
X Unconsolidated Formation		Bedrock			Conductor Pipe-Gravity Conductor Pipe-Pumped						
Total Well Depth From Ground S	urface (ft.) C	asing Dia	meter (in.)		Screened & Poured (Bentonite Chips) [X] Other (Explain): Gravity						
1					Sealing Mate			Па		i Siumy (11	in lone and h
Lower Drillhole Diameter (in.)	þ	asing Dep	oth (ft.)			ement Grout			*	Sand Slum	-
						ement (Conc	rete) Grout	-	entonite	·=	•
Was well annular space grouted	, 🔲	Yes 🗌]No ∐	Unknown	Concre		Monitoring W	_			
If yes, to what depth (feet)?	Depth	to Water (feet)		1 0 5	ite Chips				ent Grout	
	1		13			ar Bentonite		Bentonit	e - Sand	Slumy	
5. Material Used To Fill Well/	Drillhole ×		1.7035-551	New york	From (ft.)	To (ft:)	Pour	ıds	eptace miles		1
Medium Bentonite Chips	alis of willowed some		Color Market Color	ent despitation entre	Surface	16		24			
Wedium Bentonite Chips											
6. Comments		الم وأخريقا أجواله						202	Level di		
Geoprobe Boring G-6 Abandoned by Geiss SOil &	Samples I I	C under N	IETCO su	nervision							
	Samples, LD	Cunder I		enscernminer Chevanal die		CALL CONTROL OF THE PERSON NAMED IN CONTROL OF THE PERSON NAME		הע	IR Use	Only	
7. Supervision of Work Name of Person or Firm Doing I	Illian & Cont	na inen	re#	Dale of	illing & Sealin	a (mm/dd/vv	vv) Date Rec	2.3.2.3.2. (A.M.) (A.M.)	A A Property Comments of the C	led By	
Mame of Person of Firm Doing i Matthew Michalski (METCO)		ng pacen	Art M		10/2/2017			XIS.77.546			dininis v
Street or Route					Telephone Nur		Commen	is i			
709 Gillette S	treet, Suite 3				(608 <u>)</u> 781-						A CONTRACTOR OF THE PARTY OF TH
City		State	ZIP Code		Signature of	Person Doir				te Signed	-
La Crosse		WI	54603-	-	1 2	Sugar	luze	er-	<u> </u>	10/12/1	7
							_				

Well / Drillhole / Borehole Filling & Sealing Form 3300-005 (R 4/08) Page 1 of

Verification Only of Fill a	and Seal	Rou	te to: Drinking V Waste Ma		듬	atershed/Wa	stewater	[X] Remed	iation/Redevelo	opment
1. Well Location Information					2. Facility	Owner Info	mation			
The second of th	ue Well # of	Hicar	#	er alleger en	Facility Name		Mill, Inc.		The second of th	
OZAUKEE					Facility ID (FII					
Lattitude / Longitude (Degrees and	Minutes) M	ethod Cod	le (see insl	ructions)	acing to (i ii	3 01 1 110)	24614	7110		
43 28.28	'N				License/Perm	il/Monitoring	UMBER A			
87 • 59.519.	·w				·					
14 SE 14 SW	Section	Township	Range	XE	Original Well		auelyn Voe	ks		
or Gov't Let #	28	12	N 21	Ŭ₩	Present Well		quesja i o o	***		
Well Street Address					1030H PACI		cquelyn Vo	eks		
W4132 Mill Street					Mailing Addre					····
Well City, Village or Town		W	ell ZIP Co	de	7,00000			Emerald Pt, Buil	ding 5, Co	
Town of Fredonia			53021-		City of Preser	at Owner		State	ZIP Code	
Subdivision Name		Le	ot#			Hollis	ster	МО	65672-	
					i Dima i			& Sealing Mat		
Reason For Removal From Service	e WI Uniqu	e Well # of	Replacem	ent Well	2 - 5 36 - 6367,023.53			- 100 <u>- 100 - 100</u>	1 1	[x] _{N/A}
Sampling Complete						piping remov	red?	<u>1</u>	JYes LINO	$[x]_{N/A}$
3. Well / Drillhole / Borehole	Information				Liner(s) re	moved?		<u> </u>	JYes ∐No	
	Original Cons	struction D	ate (mm/d	d/yyyy)	Screen rei			<u></u>	Yes HNo	[X] _{N/A}
Monitoring Well		10/2/20	017		Casing lef	in place?		<u> </u>	Yes L No	X _{N/A}
Water Well	if a Well Cor	struction i	Report is a	vailable,	Was casin	g cut off belo	w surface?		Yes HNO	[X] _{N/A}
X Borehole / Drillhole	please attac	h.			Did sealin	g material ris	e to surface	,? [3	lyes □No	∐N/A
Construction Type:					Did mater	al settle after	24 hours?		Yes X No	N/A
Drilled Driven (Sandpoint)		Dug		If yes,	was hole ret	opped?		lyes \square_{No}	$[X]_{N/A}$
X Other (specify): Geoprobe					with water	from a known	n sale sourc		Yes 🗆 No	□ _{N/A}
Formation Type:					يتقسيا	thod of Placin				
X Unconsolidated Formation		Bedrock				tor Pipe-Grav		nductor Pipe-Pur		
Total Well Depth From Ground S	urface (fl.) C	asing Dian	neter (in.)	····	Screened & Poured [X] Other (Explain): Gravity					
10		-			Sealing Mate	rials				
Lower Drillhole Diameter (in.)	c	asing Dep	th (fl.)		☐ Neat C	ement Grout			nd Siurry (11 it	-
	.]_				_ ☐ Sand-C	ement (Cond	rete) Grout	Transition of the last of the	te-Sand Slurry	- 4
		res 🗌	No 🔲	Unknown	Concre			******	te Chips	
Was well annular space grouted?				Olimios.	For Monitoria		Monitoring \	Nell Bareholes Or →		
If yes, to what depth (feet)?	Depth	to Water (f	eet)			ite Chips	Ļ	Bentonite - Ce		
			12		Granul	ar Bentonite		Bentonite - Sa	nd Slurry	C
5. Material Used To Fill Well?	Drillinole	ni si kur	1894	**	From (ft)	Jo (ft)	Poi	ınds		
Medium Bentonite Chips	Section Constitution and Section Constitution of the Constitution	ENGRY CONTRACTOR	10 / 10 mm		Surface	14	Addison the second second	21		
Medium Bentonice Crips			THE RESERVE TO SERVE THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAME							
					 					
6. Comments	Territoria, d		270 FE 1353							
Geonrobe Boring G-7	200-2012 (S.A., 60° C)	.CP., <u>SPSC CP. 1 - C</u>		raye also de Adishe	tru (), jagorijaleta terijon piljo	S. 15, 17, 18, 18	LANCE CONTRACTOR	V STATE STAT		manifestation of the second
Abandoned by Geiss SOil &	Samples, LLC	under M	ETCO sur	ervision	erania esta esta esta esta esta esta esta est	THE REPORT OF THE	narel difference de	NO NO PORTO	and the second section	Tallar (Marie
7. Supervision of Work	Service Control	以此						DNRU		X42222
Name of Person or Firm Doing F	illing & Sealir	ng Licens	e #	Date of f	illing & Sealin		yy) Dale R	scalved	loted By	
Matthew Michalski (METCO)					10/2/2017			TOMERS FUR.	orici (- Shift) Mari	
Street or Route					elephone Nur		Comme	und P		
709 Gillette St	reet, Suite 3				(608) 781-				Date Signed	FREE MAN
City		State	ZIP Code			Person Doin		- ,	10/(2/	10
La Crosse	S-1111250-1/4	WI	54603-		1 2	mm_	tone	<u> </u>	0/16/	1 T

Site Investigation Report - METCO
Waubeka Mill Inc.
APPENDIX D/ WASTE DISPOSAL DOCUMENTATION

DKS Transport Services, LLC

N7349 548th Street Menomonie, WI 54751

715-556-2604

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5-21

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C	IJŜŢ	'n	νП	772

120 90 Jacquelyn Voeks

Waybeca Mill

La Crosse W 54603

CASH CHECK

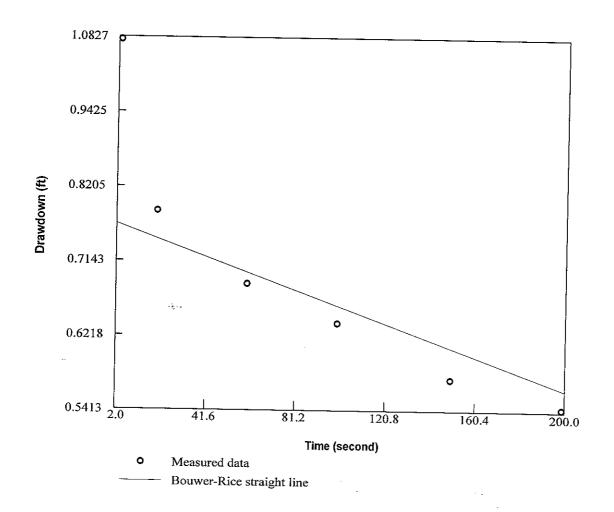
IN-HOUSE ACCOUNT

213

QUA	NTITY SHIPPED	DESCRIPTION	QTY.	UNIT PRI	CE	AMOUN	Т
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ue upon	receipt of in	voice. 28 Charge (18% Annual Percentage Rate) will be added to past due accounts.		TO) DTAL	395	85

3001 OLSON DR EAU CLAIRE, W					SITE	CELL	TIÇI	KET#		OPERATO	R
158300284		Clifou Portage Fredomia Milwaukee X2 Mouroe Marosov			G3		75	9009	 	SFALTER	
		Poltage			T	RUCK		CONTAIN	ER	LICEN	SE
02369 KS TRANSPOR	TUC	Fredomik		÷	ſ	X574™					
KS/18049BIO@	•	Milwaukee XZ					REFEREN	CE		IN	оит
520 WILSON S IENOMONIE, V		Mouroe	INVO INBO		109180					5/15/18 11:36 am	5/15/18 11:36 am
		MIRDISON		GROSS	13	060 001	35 Scale	In			
ONTRACT; PE	TROLEUM/	18049BIO@		TARE NET			BS Tare (BS				
QTY	UNIT	DESCRIPTION		ORIGI		%	RAT		TAX	TO	ΓAL
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ereby certify tha	t this load do	es not contain any unauthorized hazardou	ıs waste.						Chang Check		
									Recpt	#	
GNATURE										CUSTOMER	COPY
MILE CREEK		LLC									
001 OLSON D AU CLAIRE, V				-	SITE	CELL	ПС	KET#		OPERATO	DR .
7158300284		Moairh			G3		75	9132		42997	
		Moques Davigland Millow				TRUCK		CONTAI	VER	LICE	NSE
002369 DKS TRANSPO	RTUC	Validino				DKS74					
DKS/18049BIC	@	Millow	****				REFEREN	VCE		IN	our
2520 WILSON MENOMONIE,	WI 54751		INVO INBO	DUND	10918	1				5/16/18 8:02 am	5/16/18 8:05 am
	···						· <u>·</u>				
CONTRACT:	PETROLEUM	/1804 9 BIO@		GROSS TARE			LBS Scale LBS Tare				
BOL:	1	To-company		TARE NET		2,540.00 %	LBS Tare LBS RA		TAX	Tr	TAL
QTY	UNIT	DESCRIPTION	<u></u>	ORIGI WI		100.00		-	IAA	_	
6.27	TN	34A@/EX C-Soil/Pet-Ldd Gs-ADC		AA.1		700,00					
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مستان و			nije marta						Paid Char		
nereby certify th	nat this load d	oes not contain any unauthorized hazardo	ous waste.	•					Chec	_	
									Recp	ot#	
IGNATUR	y									CUSTOME	R COPY

Site Investigation Report - METCO
Waubeka Mill Inc.
APPENDIX E/ OTHER DOCUMENTATION



Aquifer Parameters by the Bouwer and Rice Slug Test				
Hydraulic Conductivity (ft/s):	1.41e-006			
ransmissivity (sq ft/s):	1.54e-005			

Waubeka Mill MW-1

```
Data file for DataLogger.
COMPANY : < Company name>
COMP.STATUS: Do
DATE
       : 07/05/2018
TIME
       : 15:58:07
FILENAME : C:\Documents and Settings\Administrator\Application Data\DiverOffice\Waubeka Mill\CS
CREATED BY: Diver-Office 9.1.0.0
[Logger settings]
 Instrument type
                  =Micro-Diver=15
 Status
              =Started =0
                 =..00-R2271 215.
 Serial number
                         UTC-4
 Instrument number
                    =
            =0
               =mw-1d
 Location
                  =S02
 Sample period
 Sample method
                   =T
 Number of channels =2
[Channel 1]
 Identification
                =PRESSURE
                 =13.12336 ft
 Reference level
               =90.22310 ft
 Range
 Master level
                 =0
                       m
                     ft
 Altitude
               =0
[Channel 2]
                =TEMPERATURE
 Identification
                  =-4.000 °F
 Reference level
               =180.000 °F
 Range
[Series settings]
```

Serial number = ..00-R2271 215. Instrument number = UTC-4

Location =mw-1d

Sample period =00 00:00:02 0

Sample method =T

Start date / time =37:53:15 07/05/18 End date / time =55:57:15 07/05/18

[Channel 1 from data header]

Identification =PRESSURE Reference level =13.12336 ft

Range =90.22310 ft

Master level =0 m Altitude =0 ft

[Channel 2 from data header]

Identification =TEMPERATURE

Reference level =-4.000 °F Range =180.000 °F

Date/time	Pressure[ft	Temperatu [*]	Time (Adju:	Drawdown
15:53:37	43.54659	44.366		0
15:53:39	43.54659	44.366		0
15:53:41	43.54659	44.366		. 0
15:53:43	43.54659	44.366		0
15:53:45	43.53757	44.366		0.00902
15:53:47	43.53757	44.366		0.00902
15:53:49	43.53757	44.366		0.00902
15:53:51	43.53757	44.366		0.00902
15:53:53	43.53757	44.366		0.00902
15:53:55	43.53757	44.366		0.00902
15:53:57	43.53155	44.366		0.01504
15:53:59	42.93608	44.354		0.61051
15:54:01	42.46391	44.354	2	1.08268
15:54:03	42.51504	44.354	4	1.03155
15:54:05	42.6203	44.354	6	0.92629
15:54:07	42.66541	44.354	8	0.88118
15:54:09	42.69849	44.336	10	0.8481
15:54:11	42.72556	44.336	12	0.82103
15:54:13	42.73458	44.336	14	0.81201
15:54:15	42.7436	44.336	16	0.80299
15:54:17	42.75262	44.336	18	0.79397
15:54:19	42.76165	44.336	20	0.78494
15:54:21	42.76766	44.336	22	0.77893
15:54:23	42.77668	44.336	24	0.76991
15:54:25	42.78571	44.336	26	0.76088
15:54:27	42.78571	44.336	28	0.76088
15:54:29	42.79473	44.336	30	0.75186
15:54:31	42.79172	44.324	32	0.75487
15:54:33	42.80074	44.324	34	0.74585
15:54:35	42.80074	44.324	36	0.74585
15:54:37	42.80977	44.324	38	0.73682
15:54:39	42.81879	44.324	40	0.7278
15:54:41	42.81879	44.324	42	0.7278
15:54:43	42.81879	44.324	44	0.7278
15:54:45	42.82781	44.324	46	0.71878
15:54:47	42.82781	44.324	48	0.71878
15:54:49	42.82781	44.324	50	0.71878
15:54:51	42.83683	44.324	52	0.70976
15:54:53	42.84586	44.324	54	0.70073
15:54:55	42.84586	44.324	56	0.70073
15:54:57	42.85187	44.324	58	0.69472
15:54:59	9 42.86089	44.324	60	0.6857

15:55:01	42.86089	44.324	62	0.6857
15:55:03	42.86089	44.324	64	0.6857
15:55:05	42.86089	44.324	66	0.6857
15:55:07	42.86991	44.324	68	0.67668
15:55:09	42.86991	44.324	70	0.67668
15:55:11	42.86991	44.324	72	0.67668
15:55:13	42.87292	44.336	74	0.67367
15:55:15	42.88194	44.336	76	0.66465
15:55:17	42.88194	44.336	78	0.66465
15:55:19	42.89097	44.336	80	0.65562
15:55:21	42.88194	44.354	82	0.66465
15:55:23	42.88194	44.354	84	0.66465
15:55:25	42.89097	44.354	86	0.65562
15:55:27	42.89097	44.354	88	0.65562
15:55:29	42.89097	44.354	90	0.65562
15:55:31	42.89999	44.354	92	0.6466
15:55:33	42.89999	44.354	94	0.6466
15:55:35	42.89999	44.354	96	0.6466
15:55:37	42.90901	44.354	98	0.63758
15:55:39	42.90901	44.354	100	0.63758
15:55:41	42.90901	44.354	102	0.63758
15:55:43	42.90901	44.354	104	0.63758
15:55:45	42.91803	44.354	106	0.62856
15:55:47	42.91803	44.354	108	0.62856
15:55:49	42.91803	44.354	110	0.62856
15:55:51	42.91803	44.354	112	0.62856
15:55:53	42.91803	44.354	114	0.62856
15:55:55	42.92706	44.354	116	0.61953
15:55:57	42.93608	44.354	118	0.61051
15:55:59	42.92706	44.354	120	0.61953
15:56:01	42.93608	44.354	122	0.61051
	42.93608	44.354	124	0.61051
15:56:05		44.354	126	0.61051
15:56:07		44.366	128	0.6075
	42.93909	44.366	130	0.6075
15:56:11		44.366	132	0.6075
15:56:13	42.9451	44.366	134	0.60149
15:56:15	42.95412	44.366	136	0.59247
15:56:17	42.9451	44.366	138	0.60149
15:56:19		44.366	140	0.59247
15:56:21	42.95412	44.366	142	0.59247
15:56:23		44.366	144	0.58344
15:56:25		44.366	146	0.58344
15:56:27			148	0.58344
	42.97217	44.366	150	0.57442
15:56:31		44.366	152	
15:56:33	42.96315	44.366	154	0.58344

•

15:56:35	42.97217	44.366	156	0.57442
15:56:37	42.97217	44.366	158	0.57442
15:56:39	42.97217	44.366	160	0.57442
15:56:41	42.97217	44.366	162	0.57442
15:56:43	42.97217	44.366	164	0.57442
15:56:45	42.97217	44.366	166	0.57442
15:56:47	42.98119	44.366	168	0.5654
15:56:49	42.98119	44.366	170	0.5654
15:56:51	42.99021	44.366	172	0.55638
15:56:53	42.99021	44.366	174	0.55638
15:56:55	42.99021	44.366	176	0.55638
15:56:57	42.98119	44.366	178	0.5654
15:56:59	42.99623	44.378	180	0.55036
15:57:01	42.99623	44.378	. 182	0.55036
15:57:03	42.99623	44.378	184	0.55036
15:57:05	42.99623	44.378	186	0.55036
15:57:07	43.00525	44.378	188	0.54134
15:57:09	43.00525	44.378	190	0.54134
15:57:11	42.99623	44.39	192	0.55036
15:57:13	43.00525	44.39	194	0.54134
15:57:15	43.00525	44.39	196	0.54134
15:57:17	43.00525	44.39	198	0.54134
15:57:19	43.00525	44.39	200	0.54134
15:57:21	43.00525	44.39	202	0.54134
15:57:23	43.01427	44.39	204	0.53232
15:57:25	43.01427	44.402	206	0.53232
15:57:27	43.01427	44.402	208	0.53232
15:57:29	43.01427	44.402	210	0.53232
15:57:31	43.01427	44.402	212	0.53232
15:57:33	43.02329	44.402	214	0.5233
15:57:35	43.01427	44.414	216	0.53232
15:57:37	43.01427	44.414	218	0.53232
15:57:39	43.01427	44.414	220	0.53232
15:57:41	43.01427	44.414	222	0.53232
15:57:43	43.01728	44.426	224	0.52931
15:57:45	43.01728	44.426	226	0.52931
15:57:47	43.0263	44.426	228	0.52029
15:57:49	43.0263	44.426	230	0.52029
	43.0263		232	
		44.426		
		44.426		
CND 05 DA	TA FUE OF F	NATALOCCEDI	ሮር ው እለጠልነር	MINIC

END OF DATA FILE OF DATALOGGER FOR WINDOWS

RCL Quick Reference Table

March 2017

	F 76 2 A C 2 A C 2 A C 2 A C 2 A C 2 A C 2 A C 2 A C 2 A C 2 A C 2 A C 2 A C 2 A C 2 A C 2 A C 2 A C 2 A C 2 A	EDGESTER VERTERS	E-B-B-B-B-B-B-B-B-B-B-B-B-B-B-B-B-B-B-B
	Excess:	Notice	RGL-own
	0.10	Exceed	(mg/kg)
Comaminant Hale Selection	RCLL	D-C RCL	5- DF=2
1000	(ing/ke)	(mg/kg);	
	Non-		
	e Industrial is		
Benzene		4.00 <i>976</i> 07608	0.00514
Ethylbenzene	, 8.02	, 35.4	, 1.57
Toluene	,818.	,818.	, 1.1072
Xylenes	,260.	,260.	, 3.96
Methyl tert-Butyl Ether (MTBE)	63.8	,282.	, 0.027
Dichloroethane, 1,2- (DCA)	, 0.652	, 2.87	, 0.0028
Dibromoethane, 1,2-	, 0.05	, 0.221	2.82E-05
se of forthird (index))	4.8	\$30 PM	to foliately
letive(chilerocityvic)nc (filose)		49.0	60000656
Windly Characters (NC)	9/00/7	2 (018	61.070011
h Bhridene e hiver and to diversity.	20,201	1.11.50	(0:101015)
Dichloroethylene, 1,2-trans-	1,560.	1,850.	, 0.0626
Dichloroethylene, 1,2-cis-	,156.	2,340.	, 0.0412
Trichloroethane, 1,1,1-	,640.	,640.	, 0.1402
Carbon Tetrachloride	, 0.916	, 4.03	, 0.0039
Pentachlorophenol (PCP)	, 1.02	, 3.97	, 0.0028
Trimethylbenzene, 1,2,4-	,219.	,219.	
Trimethylbenzene, 1,3,5-	,182.	182.	, 1.382
e pidajohi frál Elnia	5027	22/2/17/5/5	0.0000
sa sa de/enjacijas pvynėjnie)	0.146	5 / 2 init 5	0,470,53
Acenaphthene	3,590.	45,200.	
Anthracene	17,900.	100,000.	,196.9492
Benz[a]anthracene	, 1.14	, 20.8	

di CH ZUI7				
Contaminant	Notatio d Exceed D-C - RCL (mg/kg)	Not To Exceed D-C RCL (Eg/kg)	RGL-gW (mg/kg) DF=2	#Background Threshold Value (BTV) (mg/kg)
	Non - Industrial	Industriai		
Benzo(j)fluoranthene	, 0.424	, 1.76		
Benzo[b]fluoranthene	, 1.15	, 21.1	, 0.4793	
Benzo[k]fluoranthene	, 11.5	,211.		
Chrysene	,115.	2,110.	, 0.1446	
Dibenz[a,h]anthracene	, 0.115	, 2.11		
Dibenzo(a,e)pyrene	, 0.042	, 0.176		
Dimethylbenz(a)anthracene, 7,12-	4.59E-04	, 0.008		· · · · · · · · · · · · · · · · · · ·
Fluoranthene	2,390.	30,100.	, 88.8778	
Fluorene	2,390.	30,100.	, 14.8299	
Indeno[1,2,3-cd]pyrene	, 1.15	, 21.1		
Methylnaphthalene, 1-	, 17.6	, 72.7		
Methylnaphthalene, 2-	,239.	3,010.		
Nitropyrene, 4-	, 0.424	, 1.76		
Pyrene	1,790.	22,600.	, 54.5455	***
Accenicationg and the	06.77		0.68473	
Barium	15,300.	100,000.	,164.8	364
Beryllium and compounds	,156.	2,300.	, 6.32	
Cadmium (Diet)	, 71.1	,985.	, 0.752	1
Chromium(VI)	, 0.301	, 6.36	, 3.84	
Chromium, Total		•	360,000 if no Cr-VI	44
Altead and Compatibles	y400j	200	227	
Mercury (elemental)	, 3.13	, 3.13	, 0.208	
Selenium	,391.	5,840.	, 0.52	

NOTES:

- 1) This table of the most common compounds is intended to be a quick reference ONLY. It does not take into account cumulative effects as required in NR 700.
- 2) Values in this table are taken from the RCL spreadsheet which is periodically updated. PLEASE be sure to reference the RCL spreadsheet for the most current values.

Site-specific

Resident Screening Levels (RSL) for Soil ca-Cancer, nc=Noncancer, cat (Where nc SL < 100 x ca SL), ca* (Where nc SL < 100 x ca SL), where nc SL < 100 x ca SL), max=SL exceeds ceiling limit (see/User's Guide), sat=SL exceeds csat, Smax=Soil SL exceeds ceiling limit and has been substituted with the max value (see User's Guide), Ssat=Soil inhalation SL exceeds csat and has been substituted with the csat

				Volatilization	Soil Saturation	Particulate Emission	Ingestion SL	Dermal SL	Inhalation SL	Carcinogenic SL
				Factor	Concentration	Factor	TR=1.0E-6	TR=1.0E-6	TR=1.0E-6	TR=1.0E-6
Chemical	GIABS	ABS I	RBA	(m³/kg)	(mg/kg)	(m³/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Benzene	1	-	1	5.10E+03	1.82E+03	1.56E+09	1.26E+01	=	1.84€+00	1.60E+00
Dibromoethane, 1,2-	1	-	1	1.25E+04	1.34E+03	1.56E+09	3.48E-01	-	5.84E-02	5.00E-02
Dichloroethane, 1,2-	1	-	1	6.60E+03	2.98E+03	1.56E+09	7.64E+00	-	7.13E-01	6.52E-01
Ethylbenzene	1	-	1	8.18E+03	4.80E+02	1.56E+09	6.32E+01	-	9.19E+00	8.02E+00
Lead and Compounds	1	-	1	-	-	1.56E+09	-	~	-	-
Methyl tert-Butyl Ether (MTBE)	1	-	1	7.08E+03	8.87E+03	1.56E+09	3.86E+02	-	7.64E+01	6.38E+01
Acenaphthene	1	0.13	1	2.03E+05	-	1.56E+09	-	-	-	-
Anthracene	1	0.13	1	7.56E+05	<u> </u>	1.56E+09	-	-	-	-
Benz[a]anthracene	1	0.13	1	6.37E+06	-	1.56E+09	2.10E-01	6.29E-01	5.85E+01	1,57E-01
Benzo(j)fluoranthene	1	0.13	1	-	-	1.56E+09	5.79E-01	1.58E+00	3.98E+04	4.24E-01
Benzo[a]pyrene	1	0.13	1	-	-	1.56E+09	2.10E-02	6.29E-02	1.44E+03	1.57E-02
Benzo[b]fluoranthene	1	0.13	1	-	-	1.56E+09	2.10E-01	6.29E-01	1.44E+04	1.57E-01
Benzo[k]fluoranthene	1	0.13	1	-	-	1.56E+09	2.10E+00	6.29E+00	1.44E+04	1.57E+00
Chrysene	1	0.13	1	-	-	1.56E+09	2.10E+01	6.29E+01	1.44E+05	1.57E+01
Dibenz[a,h]anthracene	1	0.13	1	-	-	1.56E+09	2.10E-02	6.29E-02	1.32E+03	1.57E-02
Dibenzo(a,e)pyrene	1	0.13	1	-	-	1.56E+09	5.79E-02	1.58E-01	3.98E+03	4.24E-02
Dimethylbenz(a)anthracene, 7,12-	1	0.13	1	-	-	1.56E+09	6.13E-04	1.84E-03	2.23E+01	4.59E-04
Fluoranthene	1	0.13	1	-	-	1.56E+09	-	-	-	-
Fluorene	1	0.13	1	4.06E+05	-	1.56E+09	-	-	-	-
Indeno[1,2,3-cd]pyrene	1	0.13	1	-	-	1.56E+09	2.10E-01	6.29E-01	1.44E+04	1.57E-01
Methylnaphthalene, 1-	1	0.13	1	8.46E+04	3.94E+02	1.56E+09	2.40E+01	6.55E+01	•	1.76E+01
Methylnaphthalene, 2-	1	0.13	1	8.37E+04	-	1.56E+09	-	-	-	-
Naphthalene	1	0.13	1	6.69E+04	-	1.56E+09	-	-	5.52E+00	5.52E+00
Nitropyrene, 4-	1	0.13	1	-	-	1.56E+09	5.79E-01	1.58E+00	3.98E+04	4.24E-01
Pyrene	1	0.13	1	3.43E+06	-	1.56E+09	-	-	-	-
Toluene	1	-	1	6.19E+03	8.18E+02	1.56E+09	-	-	•	-
Trimethylbenzene, 1,2,4-	1	-	1	1.14E+04	2.19E+02	1.56E+09	-	-	-	-
Trimethylbenzene, 1,3,5-	1	-	1	9.54E+03	1.82E+02	1.56E+09	-	-	-	-
Xylenes	1	-	1	8.28E+03	2.60E+02	1.56E+09	-	-	-	

(22) "Wastewater and sludge storage or treatment lagoon" means a natural or man-made containment structure, constructed primarily of earthen materials for the treatment or storage of wastewater or sludge, which is not a land disposal system.

wastewater or sludge, which is not a land disposal system.

History: Cr. Register, September, 1985, No. 357, eff. 10-1-85; cr. (1m), am. (7), (17) and (18), Register, October, 1988, No. 394, eff. 11-1-88; am. (6), cr. (20h) and (20m), Register, March, 1994, No. 459, eff. 4-1-94; cr. (1s), (10e), (10b), (20k), rad recr. (12), (13), Register, August. 1995, No. 476, eff. 9-1-95; cr. (14m), Register. October. 1996, No. 490, eff. 11-1-96; am. (20), Register. December. 1998, No. 516, eff. 1-1-99; correction in (9) made under s. 13.93 (2m) (b) 7., Stats., Register. April, 2001, No. 544; CR 02-134; cr. (1u), (1w), (1y) and (20s) Register June 2003 No. 570, eff. 7-1-03; correction in (20) made under s. 13.92 (4) (b) 6., Stats., Register January 2012 No. 673.

Subchapter II — Groundwater Quality Standards

NR 140.10 Public health related groundwater standards. The groundwater quality standards for substances of public health concern are listed in Table 1.

Note: For all substances that have carcinogenic, mutagenic or teratogenic properties or interactive effects, the preventive action limit is 10% of the enforcement standard. The preventive action limit is 20% of the enforcement standard for all other substances that are of public health concern. Enforcement standards and preventive action limits for additional substances will be added to Table 1 as recommendations are developed pursuant to ss. 160.07, 160.13 and 160.15, Stats.

Table I
Public Health Groundwater Quality Standards

Substance ¹	Enforcement Standard (micrograms per liter – except as noted)	Preventive Action Limit (micrograms per liter – except as noted)
Acetochlor	7	0.7
Acetochlor ethane sulfonic acid + oxanilic acid (Acetochlor - ESA + OXA)	230	46
Acetone	9 mg/1	1.8 mg/l
Alachlor	2	0.2
Alachlor ethane sulfonic acid (Alachlor – ESA)	20	4
Aldicarb	10	2
Aluminum	200	40
Ammonia (as N)	9.7 mg/l	0.97 mg/l
Antimony	6	1.2
Anthracene	3000	600
Arsenic	10	1
Asbestos	7 million fibers per liter (MFL)	0.7 MFL
Atrazine, total chlorinated residues	32	0.32
Bacteria, Total Coliform	0_3	0_3
Barium	2 milligrams/liter (mg/l)	0.4 mg/l
Bentazon	300	60
Benzene	5	0.5
Benzo(b)fluoranthene	0.2	0.02
Benzo(a)pyrene	0.2	0.02
Beryllium	4	0.4
Boron	1000	200
Bromodichloromethane	0.6	0.06
Bromoform	4.4	0.44
Bromomethane	10	1
Butylate	400	80
Cadmium	5	0.5
Carbaryl	40	4
Carbofuran	40	8
Carbon disulfide	1000	200
Carbon tetrachloride	5	0.5
Chloramben	150	30
Chlordane	2	0.2
Chlorodifluoromethane	7 mg/l	0.7 mg/l
Chloroethane	400	80
Chloroform	6	0.6
Chlorpyrifos	2	0.4
Chloromethane	30	3
Chromium (total)	100	10
	0.2	0.02
Chrysene	V.Z	0.02

Table 1 - Continued
Public Health Groundwater Quality Standards

Public Health Groundwater Quality Standards				
Substance ¹	Enforcement Standard (micrograms per liter – except as noted)	Preventive Action Limit (micrograms per liter - except as noted)		
Cobalt	40	8		
Copper	1300	130		
Cyanazine	l l	1.0		
Cyanide, free ⁴	200	40		
Dacthal	70	14		
1,2-Dibromoethane (EDB)	0.05	0.005		
Dibromochloromethane	60	6		
1,2-Dibromo-3-chloropropane (DBCP)	0.2	0.02		
Dibutyl phthalate	1000	100		
Dicamba	300	60		
1,2-Dichlorobenzene	600	60		
1,3-Dichlorobenzene	600	120		
	75	15		
1,4-Dichlorobenzene	1000	200		
Dichlorodifluoromethane	850	85		
1,1-Dichloroethane	5	0.5		
1,2-Dichloroethane		0.7		
1,1-Dichloroethylene	7.	7		
1,2-Dichloroethylene (čis)	70	20		
1,2-Dichloroethylene (trans)	100	7		
2,4-Dichlorophenoxyacetic Acid (2,4-D)	70			
1,2-Dichloropropane	5	0.5		
1,3-Dichloropropene (cis/trans)	0.4	0.04		
Di (2-ethylhexyl) phthalate	6	0.6		
Dimethenamid/Dimethenamid-P	50	5		
Dimethoate	2	0.4		
2,4-Dinitrotoluene	0.05	0:005		
2,6-Dinitrotoluene	0.05	0.005		
Dinitrotoluene, Total Residues ⁵	0.05	0.005		
Dinoseb	7	1.4		
1,4-Dioxane	3	0.3		
Dioxin (2, 3, 7, 8-TCDD)	0.00003	0.000003		
Endrin	2	0.4		
EPTC	250	50		
Ethylbenzene	700	140		
Ethyl ether	1000	100		
Ethylene glycol	14 mg/l	2.8 mg/l		
Fluoranthene	400	80		
Fluorene	400	80		
Fluoride	4 mg/l	0.8 mg/l		
Fluorotrichloromethane	3490	698		
Formaldehyde	1000	100		
Heptachlor	0.4	0.04		
Heptachlor epoxide	0.2	0.02		
Hexachlorobenzene	1	0.1		
N-Hexane	600	120		
	30	6		
Hydrogen sulfide	15	1.5		
Lead		0.02		
Lindane	0.2			
Manganese	300	60		
Mercury	2	0.2		

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Table 1 – Continued
Public Health Groundwater Quality Standards

Public Health Groundwater Quality Standards				
Substance	Enforcement Standard (micrograms per liter – except as noted)	Preventive Action Limit (micrograms per liter – except as noted)		
Methanol	5000	1000		
Methoxychlor	. 40	4		
Methylene chloride	5	0.5		
Methyl ethyl ketone (MEK)	4 mg/l	0.8 mg/l		
Methyl isobutyl ketone (MIBK)	500	50		
Methyl tert-butyl ether (MTBE)	60	12		
Metolachlor/s-Metolachlor	100	10		
Metolachlor ethane sulfonic acid + oxanific acid (Metolachlor – ESA + OXA)	1.3 mg/l	0.26 mg/l		
Metribuzin	70	14		
Molybdenum	40	8		
Monochlorobenzene	100	20		
Naphthalene	100	10		
Nickel	100	20		
Nitrate (as N)	10 mg/l	2 mg/l		
Nitrate + Nitrite (as N)	10 mg/l	2 mg/l		
Nitrite (as N)	I mg/1	0.2 mg/l		
N-Nitrosodiphenylamine	7	0.7		
Pentachlorophenol (PCP)	1	0.1		
Perchlorate	l	0.1		
Phenol	2 mg/l	0.4 mg/l		
Picloram	500	100		
Polychlorinated biphenyls (PCBs)	0.03	0.003		
Prometon	100	20		
Propazine	10	2		
Pyrene	250	50		
Pyridine	10	2		
Selenjum	50	10		
Silver	50	10		
Simazine	4	0.4		
Styrene	100	10		
Tertiary Butyl Alcohol (TBA)	12	1.2		
1,1,1,2-Tetrachloroethane	70	7		
1,1,2,2—Tetrachloroethane	0.2	0.02		
Tetrachloroethylene	5	0.5		
Tetrahydrofuran	50	10		
Thallium	2	0.4		
Toluene	800	160		
Toxaphene	3	0.3		
1,2,4-Trichlorobenzene	70	14		
	200	40		
1,1,1-Trichloroethane 1,1,2-Trichloroethane	5	0.5		
Trichloroethylene (TCE)	5	0.5		
2,4,5-Trichlorophenoxy-propionic acid (2,4,5-TP)	50	5		
1,2,3—Trichloropropane	60	12		
Trifluralin	7.5	0.75		
Trimethylbenzenes	480	96		
-		-		
(1,2,4- and 1,3,5- combined)	20	6		
Vanadium	30	U		

Table 1 - Continued Public Health Groundwater Quality Standards

Substance ¹	Enforcement Standard (micrograms per liter – except as noted)	Preventive Action Limit (micrograms per liter – except as noted)
Vinyl chloride	0.2	0.02
Xvlene ⁶	2 mg/l	0.4 mg/l

- Appendix I contains Chemical Abstract Service (CAS) registry numbers, common synonyms and trade names for most substances listed in T able 1.
- ² Total chlorinated atrazine residues includes parent compound and the following metabolites of health concern: 2-chloro-4-amino-6-isopropylamino-s-triazine (formerly deethylatrazine), 2-chloro-4-amino-6-ethylamino-s-triazine (formerly deisopropylatrazine) and 2-chloro-4,6-diamino-s-triazine (formerly deisopropylatrazine)
- Total coliforn bacteria may not be present in any 100 ml sample using either the membrane filter (MF) technique, the presence-absence (P-A) coliforn test, the minimal medium ONPG-MUG (MMO-MUG) test or not present in any 10 ml portion of the 10-tube multiple tube fermentation (MTF) technique
- 1 "Cyanide, free" refers to the simple cyanides (HCN, CN") and for readily dissociable metal-cyanide complexes. Free cyanide is regulatorily equivalent to cyanide quantified by approved analytical methods for "amenable cyanide" or "available cyanide".
- ⁵ Dinitrotoluene, Total Residues includes the dinitrotoluene (DNT) isomers: 2,3-DNT, 2,4-DNT, 2,5-DNT, 2,6-DNT, 3,4-DNT and 3,5-DNT.
- "Xylene includes meta", orthor, and para-xylene combined.

History: Cr. Register, September, 1985, No. 357, eff. 10–1–85; ani. table 1, Register, October, 1988, No. 394, eff. 11–1–88; am. table 1, Register, September, 1990. No. 417, eff. 10–1–90; am. Register, January, 1992. No. 433, eff. 2–1–92; am. Table 1, Register, March, 1994. No. 459, eff. 4–1–94; am. Table 1, Register, August, 1995. No. 417, eff. 10–1–99; am. Table 1, Register, December, 1998, No. 516, eff. 12–31–99; am. Table 1, Register, December, 1998, No. 516, eff. 12–30, cm. Table 1, Register, December, 1998, No. 516, eff. 12–30, cm. Table 1, Register, December, 1998, No. 516, eff. 12–30, cm. Table 1, Register, December, 1998, No. 516, eff. 12–30, cm. Table 1, Register, December, 1998, No. 516, eff. 21–108; CR 03–063; am. Table 1, Register, September, 1990. No. 518, eff. 3–1–04; CR 02–095; am. Table 1, Register November 2006 No. 611, eff. 12–1–06; reprinted to correct errors in Table 1, Register January 2007 No. 613; CR 07–034; am. Table 1 Register January 2008 No. 625, eff. 2–1–08; CR 09–102; am. Table 1, Register January 2008 No. 625, eff. 2–1–08; CR 09–102; am. Table 1, Register, September, 1990. No. 613; CR 07–034; am. Table 1, Register January 2008 No. 625, eff. 2–1–08; CR 09–102; am. Table 1, Register, September, 1990. No. 613; CR 07–034; am. Table 1, Register, September, 1990. No. 613; CR 07–034; am. Table 1, Register, September, 1990. No. 613; CR 07–034; am. Table 1, Register, September, 1990. No. 614; eff. 1–108; CR 09–102; am. Table 1, Register, September, 1990. No. 614; eff. 1–108; CR 09–102; am. Table 1, Register, September, 1990. No. 615; eff. 2–1–08; CR 09–102; am. Table 1, Register, September, 1990. No. 615; eff. 2–1–08; CR 09–102; am. Table 1, Register, September, 1990. No. 615; eff. 2–1–08; CR 09–102; am. Table 1, Register, September, 1990. No. 615; eff. 2–1–08; CR 09–102; am. Table 1, Register, September, 1990. No. 615; eff. 2–1–08; CR 09–102; am. Table 1, Register, September, 1990. No. 615; eff. 2–1–08; CR 09–102; am. Table 1, Register, September, 1990. No. 616; eff. 2–108; CR 09–102; am. I Register December 2010 No. 660, eff. 1-1-11

NR 140.12 Public welfare related groundwater standards. The groundwater quality standards for substances of public welfare concern are listed in Table 2.

Note: For each substance of public welfare concern, the preventive action limit is 50% of the established enforcement standard.

Table 2 Public Welfare Groundwater Quality Standards

Substance	Enforcement Standard (milligrams per liter – except as noted)	Preventive Action Limit (milligrams per liter – except as noted)
Chloride	250	125
Color	15 color units	7.5 color units
Foaming agents MBAS (Methylene-Blue Active Substances)	0.5	0.25
Iron	0.3	0.15 0.025
Manganese	0.05	******
Odor	3 (Threshold Odor No.)	1.5 (Threshold Odor No.)
Sulfate	250	125
Zinc	5	2.5

History: Cr. Register, September, 1985, No. 357, eff. 10-1-85; am. table 2, Register. October. 1990, No. 418, eff. 11-1-90; am. Table 2, Register, March, 1994, No. 459,

- NR 140.14 Statistical procedures. (1) If a preventive action limit or an enforcement standard for a substance listed in Table 1 or 2, an alternative concentration limit issued in accordance with s. NR 140.28 or a preventive action limit for an indicator parameter established according to s. NR 140.20 (2) is attained or exceeded at a point of standards application:
- (a) The owner or operator of the facility, practice or activity at which a standard is attained or exceeded shall notify the appropri ate regulatory agency that a standard has been attained or exceeded; and
- (b) The regulatory agency shall require a response in accordance with the rules promulgated under s. 160.21, Stats. No response shall be required if it is demonstrated to the satisfaction of the appropriate regulatory agency that a scientifically valid determination cannot be made that the preventive action limit or enforcement standard for a substance in Table 1 or 2 has been attained or exceeded based on consideration of sampling procedures or laboratory precision and accuracy, at a significance level
- (2) The regulatory agency shall use one or more valid statistical procedures to determine if a change in the concentration of a substance has occurred. A significance level of 0.05 shall be used for all tests.

- (3) In addition to sub. (2), the following applies when a preventive action limit or enforcement standard is equal to or less than the limit of quantitation:
- (a) If a substance is not detected in a sample, the regulatory agency may not consider the preventive action limit or enforcement standard to have been attained or exceeded.
- (b) If the preventive action limit or enforcement standard is less than the limit of detection, and the concentration of a substance is reported between the limit of detection and the limit of quantitation, the regulatory agency shall consider the preventive action limit or enforcement standard to be attained or exceeded only if:
- The substance has been analytically confirmed to be present in the same sample using an equivalently sensitive analytical method or the same analytical method, and
- 2. The substance has been statistically confirmed to be present above the preventive action limit or enforcement standard, determined by an appropriate statistical test with sufficient samples at a significance level of 0.05.
- (c) If the preventive action limit or enforcement standard is between the limit of detection and the limit of quantitation, the regulatory agency shall consider the preventive action limit or

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APPENDIX F/ QUALIFICATIONS OF METCO PERSONNEL

Ronald J. Anderson, P.G.

Professional Titles

- · Senior Hydrogeologist
- Project Manager

Credentials

- · Licensed Professional Geologist in Wisconsin
- Licensed Professional Geologist in Minnesota
- Recognized by the State of Wisconsin Department of Natural Resources (Chapter NR712) as a qualified Hydrogeologist
- Certified by State of Wisconsin to conduct PECFA-funded LUST projects
- · Certified tank closure site assessor (#41861) in Wisconsin
- Member of the Wisconsin Groundwater Association
- · Member of the Minnesota Groundwater Association
- Member of the Federation of Environmental Technologist, Inc.

Education

Includes a BA in Earth Science from the University of Minnesota-Duluth. Applicable courses successfully completed include Hydrogeology, Applied Hydrogeology, Environmental Geology, Geological Field Methods, Geology Field Camp, Geomorphology, Structural Geology, Stratigraphy/Tectonics, Mineralogy/Petrology, Glacial/Quaternary Geology, Geology of North America, Oceanography, General Chemistry, Organic Chemistry, and Environmental Conservation.

Post-Graduate Education

Includes Personnel Protection and Safety, Conducting Comprehensive Environmental Property Assessments, Groundwater Flow and Well Hydraulics, Effective Techniques for Contaminated Groundwater Treatment, and numerous other continuing education classes and conferences.

Work Experience

Includes nine months with the Wisconsin Department of Natural Resources Leaking Underground Storage Tank Program regulating LUST sites and since June 1990, with METCO as a Hydrogeologist and Project Manager. Duties have included: managing, conducting, and reporting tank closure assessments; property assessment, LUST investigations; spill investigations; agricultural chemical investigations, dry cleaning chemical investigations, general geotechnical/environmental investigations; Geoprobe projects (soil, groundwater, soil gas sampling); drilling projects (soil boring and monitoring wells); and remedial projects. Since 1989, METCO has sampled/consulted over 1,465 environmental sites.

Jason T. Powell

Professional Title

Staff Scientist

Credentials

 Recognized by the State of Wisconsin Department of Natural Resources (Chapter NR712) as a qualified Scientist.

Education

Includes a BS in Groundwater Management from the University of Wisconsin- Stevens Point. Applicable courses successfully completed include Hydrogeology, Applied Hydrogeology, Environmental Geology, Hydrogeology-Groundwater Flow Modeling, Groundwater Management, Structural Geology, Mineralogy, Glacial Geology, Soils, Soil Physics, Hydrology, Geochemistry, Water Chemistry, Organic Chemistry, General Chemistry, Environmental Issues.

Post-Graduate Education

40-hour OSHA Hazardous Materials Safety Training course with 8-hour refresher course.

Work Experience

With METCO since May 1992 as a Geoprobe Assistant and Geoprobe Operator. In June 1995 to July 1996 as a Environmental Technician. In July 1996 as a Staff Scientist. Duties have included: LUST investigations; general geotechnical/environmental investigations; Geoprobe projects (soil, groundwater sampling); drilling projects (soil boring and monitoring wells); remedial projects (sampling, pilot tests, system operation/maintenance) and project management.

Eric J. Dahl

Professional Title

· Hydrogeologist

Credentials

- Recognized by the State of Wisconsin Department of Natural Resources (Chapter NR712) as a qualified Hydrogeologist.
- Registered through the Wisconsin Department of Safety and Professional Services as a PECFA consultant (#823519).

Education

Includes B.S. in Geology from the University of Wisconsin-Eau Claire. Applicable courses successfully completed include Environmental Geology, Physical Hydrogeology, Chemical Hydrogeology, Computer Modeling in Hydrogeology, Aqueous Geochemistry, Field Geology I and II, Mineralogy and Petrology I and II, Sedimentology and Stratigraphy, Petroleum and Economic Geology, Earth Resources, Earth History, and Structural Geology.

Post-Graduate Education

40-hour OSHA Hazardous Materials Safety Training course with 8-hour refresher course.

Work Experience

With METCO since November 1999 as a Hydrogeologist. Duties have included: Site Investigations, Phase I and Phase II Environmental Site Assessments, Case Closure Requests/GIS Registry, Geoprobe projects (oversight, direction, and sampling), drilling projects/monitoring well installation (oversight, direction, and sampling), soil excavation projects (oversight, direction, and sampling), Geoprobe operation, and operation and maintenance of remedial systems.

Thomas P. Pignet, P.E.

Professional Titles

- Chemical Engineer
- · Industrial Engineer

Credentials

Licensed Professional Engineer in Wisconsin

Education

Undergraduate: B.S. in Chemical Engineering from the University of Wisconsin. Applicable courses include the standard chemistry curriculum - basic, physical, organic, etc. - plus engineering transport phenomena, chemical unit operations (e.g. separations), fluid mechanics, etc.

Post-Graduate Education

Ph.D. in Chemical Engineering from the University of Minnesota - with applicable special training in absorption & catalysis; M.S. in Industrial Engineering from the University of Wisconsin - Milwaukee - with special emphasis on statistical techniques and data analysis. Applicable further training: continuing education, semester-length courses in [1] Understanding Environmental & Safety Regulation; [2] Hazardous & Toxic Waste Management; plus a number of 1-2 day workshops - Fire & Explosion Safety; Small Quantity Generations of Hazardous Waste.

Work Experience

Includes ten years as a research chemical engineer with a large chemical manufacturer; one year as process development engineer and demonstration-scale test analyst on a unique coal gasification project; ten years in association with UW-M, teaching and consulting to industry on energy efficiency, waste minimization and productivity improvement. One year working with a small engineering consulting firm on energy, environmental, and process improvement projects, including LUST Investigations and Remediations. With METCO since February 2000. Duties include Remedial Action Plan preparation, pilot test design and performance, remedial systems design and implementation, and general management of METCO's remedial projects.

Tyler Woodke

Professional Title

Staff Scientist

Credentials

 Registered through the Wisconsin Department of Safety and Professional Services as a PECFA consultant (#396413).

Education

Includes B.S. in Geography with an Environmental Studies minor from the University of Wisconsin-La Crosse. Applicable courses successfully completed include: Introduction to Biology, Introduction to Environmental Studies, Earth Environments, Conservation of Global Environments, Introduction to GIS, History of Environmental Policies in the U.S., Interpretation of Aerial Photographs, Fundamentals of Cartography, Environmental Hazards/Land Use, Remote Sensing, Water Resources, Environmental Sustainability, and Environmental Ethics, Outdoor Recreation and Natural Resources.

Work Experience

With METCO since February, 2018 as Staff Scientist. Duties include: soil and groundwater sampling, operation and maintenance of remedial systems, Geoprobe projects (oversight, direction, and sampling), site mapping, data reduction and analysis, and reporting.

Kaylin D. Felix

Professional Title

Hydrogeologist

Credentials

 Registered through the Wisconsin Department of Safety and Professional Services as a PECFA consultant (#1564301).

Education

Includes B.S. in Geology (Hydrogeology) from the University of Wisconsin- Oshkosh. Applicable courses successfully completed include Physical Hydrogeology, Chemical Hydrogeology, Applied Geologic Field Methods, Field Geology, Mineralogy, Sedimentology, Lithology, Evolution of Earth, Physical Geology, Structural Geology and Tectonics, Glacial Geology, Geophysics and Geotectonics, Geochemistry, Water Resource Management and Geographic Informational Systems.

Work Experience

With METCO since April, 2018 as Hydrogeologist. Duties include: soil and groundwater sampling, operation and maintenance of remedial systems, Geoprobe projects (oversight, direction, and sampling), site mapping, data reduction and analysis, and reporting.

Maxwell Wannow

Professional Title

Hydrogeologist

Credentials

 Registered through the Wisconsin Department of Safety and Professional Services as a PECFA consultant (#55909).

Education

Includes B.S. in Geology (Professional Geology) from the University of Wisconsin-Oshkosh. Applicable courses successfully completed include Geochemistry, Geophysics, Sedimentology, Field Geology, Stratigraphy and Basin Analysis, Sedimentary Petrology, Structural Geology, Mineralogy, Lithology, Paleontology, Evolution of Earth, and Physical Geology.

Work Experience

With METCO since June, 2018 as Hydrogeologist. Duties include: soil and groundwater sampling, operation and maintenance of remedial systems, Geoprobe projects (oversight, direction, and sampling), site mapping, data reduction and analysis, and reporting.

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APPENDIX G/ STANDARD OF CARE

STANDARD OF CARE

The analysis and conclusions expressed in this report are based upon data obtained from the indicated subsurface locations and from other sources discussed in this report. Actual subsurface conditions may vary and may not become evident without further assessment.

All work conducted by METCO is in accordance with currently accepted hydrogeologic and engineering practices and they neither imply nor intend warranty.

We appreciate the opportunity to be of service to you. If you have any questions or require additional information, please do not hesitate to contact us.

"I Jason T. Powell, hereby certify that I am a scientist as that term is defined in s.NR 712.03 (3), Wis. Adm. Code, and that, to the best of my knowledge, all of the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

Jason T. Powell Staff Scientist Date

"I Ronald J. Anderson, hereby certify that I am a hydrogeologist as that term is defined in s.NR 712.03 (1), Wis. Adm. Code, and that, to the best of my knowledge, all of the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726. Wis. Adm. Code."

Ronald J. Anderson PG

Senior Hydrogeologist/Project Manager

To Towell

Date