

Delcore, Lee R - DNR

From: Jason Powell <jasonp@metcohq.com>
Sent: Wednesday, April 17, 2019 9:38 AM
To: Delcore, Lee R - DNR
Subject: FW: Waubeka Mill - gw sampling results - Waubeka, WI (03-46-183691) (53021-9716-32-A)

Lee, see below. For some reason I hit reply to all and it was sent to me instead of you.
Any questions let me know.
Thanks,

Jason Powell

METCO - Staff Scientist
jasonp@metcohq.com / 608.781.8879
709 Gillette Street - Suite 3, La Crosse WI 54603
www.metcohq.com

From: Jason Powell
Sent: Wednesday, April 17, 2019 9:36 AM
To: Jason Powell <jasonp@metcohq.com>
Cc: Ron Anderson <rona@metcohq.com>; Debby Skogen <debbys@metcohq.com>
Subject: RE: Waubeka Mill - gw sampling results - Waubeka, WI (03-46-183691) (53021-9716-32-A)

Lee, if we are putting the closure request together we will need to have the Professional Engineer Review and Certification of the closure request (5/CR30 for \$1,129.60) also approved. If you can approve via email and note in Tracker that would be fine with us.

Please note that this was not required when the last bid deferment for this site was submitted.

Any questions let me know.
Thanks,

Jason Powell

METCO - Staff Scientist
jasonp@metcohq.com / 608.781.8879
709 Gillette Street - Suite 3, La Crosse WI 54603
www.metcohq.com

From: Jason Powell
Sent: Wednesday, April 17, 2019 9:11 AM
To: Delcore, Lee R - DNR <Lee.Delcore@wisconsin.gov>
Cc: Ron Anderson <rona@metcohq.com>
Subject: Waubeka Mill - gw sampling results - Waubeka, WI (03-46-183691) (53021-9716-32-A)

Lee, attached are the data tables and laboratory reports for the last two groundwater sampling events at the above mentioned site. Contaminant levels decreased in the December round and came back up in the March round, however the March round was slightly lower in contaminant levels than the original round collected on 5/7/18. The Potable Well Field Reconnaissance was also completed as part of this approved work scope.

Based on these groundwater results, can we proceed with the "Closure Packet"? Costs for this task were already approved.

Thanks,

Jason Powell

METCO - Staff Scientist

jasonp@metcohq.com / 608.781.8879

709 Gillette Street - Suite 3, La Crosse WI 54603

www.metcohq.com

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

Well MW-1

PVC Elevation = 0 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
05/07/18	-9.55	9.55	<0.9	38	1670	<5.6	350	1930	2570	4840
12/13/18	-10.73	10.73	NS	12.4	<i>680</i>	<5.6	260	143	1264	789.8
03/12/19	-10.32	10.32	NS	31	1100	<5.7	260	1050	1600	2440
ENFORCEMENT STANDARD ES = Bold			15	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT PAL = Italics			<i>1.5</i>	<i>0.5</i>	<i>140</i>	<i>12</i>	<i>10</i>	<i>160</i>	<i>96</i>	<i>400</i>

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

NS = not sampled NM = not measured

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

A.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
12/13/18	10.73
03/12/19	10.32

Depth to Water From Ground Surface (feet)	
05/07/18	9.55
12/13/18	10.73
03/12/19	10.32

Groundwater Elevation (feet msl)	
05/07/18	-9.55
12/13/18	-10.73
03/12/19	-10.32

CNL = Could Not Locate

A = Abandoned and removed during soil excavatio

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)	pH	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	9.70	3810	<0.36	44.5	0.22	276
12/13/18	3.02	8.19	-36.3	10.72	7006	NS	NS	NS	NS
03/12/19	3.43	7.09	-238.1	5.91	10.10	NS	NS	NS	NS
ENFORCEMENT STANDARD = ES – Bold						10	-	-	300
PREVENTIVE ACTION LIMIT = <i>PAL - Italics</i>						2	-	-	60

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

NS = not sampled

NM = not measured

ORP = Oxidation Reduction Potential

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

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 24-Dec-18

Project Name WAUBEKA MALL
Project #

Invoice # E35613

Lab Code 5035613A
Sample ID MW-1
Sample Matrix Water
Sample Date 12/13/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	12.4 "J"	ug/l	4.4	14.2	20	8260B		12/21/2018	CJR	1
Ethylbenzene	680	ug/l	5.2	16.6	20	8260B		12/21/2018	CJR	1
Methyl tert-butyl ether (MTBE)	< 5.6	ug/l	5.6	17.8	20	8260B		12/21/2018	CJR	1
Naphthalene	260	ug/l	42	133	20	8260B		12/21/2018	CJR	1
Toluene	143	ug/l	3.8	12	20	8260B		12/21/2018	CJR	1
1,2,4-Trimethylbenzene	1150	ug/l	16	51	20	8260B		12/21/2018	CJR	1
1,3,5-Trimethylbenzene	114	ug/l	12.6	40	20	8260B		12/21/2018	CJR	1
m&p-Xylene	770	ug/l	8.6	27.6	20	8260B		12/21/2018	CJR	1
o-Xylene	19.8	ug/l	5.8	18.6	20	8260B		12/21/2018	CJR	1

Project Name WAUBEKA MALL

Invoice # E35613

Project #

Lab Code 5035613B

Sample ID TRIP BLANK

Sample Matrix Water

Sample Date 12/13/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		12/20/2018	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		12/20/2018	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.28	ug/l	0.28	0.89	1	8260B		12/20/2018	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.65	1	8260B		12/20/2018	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		12/20/2018	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.55	1	8260B		12/20/2018	CJR	1
1,3,5-Trimethylbenzene	< 0.63	ug/l	0.63	2	1	8260B		12/20/2018	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		12/20/2018	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		12/20/2018	CJR	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code	Comment
1	Laboratory QC within limits.

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 Ricker

Lab I.D. # _____
 Account No. : _____ Quote No.: _____
 Project #: _____
 Sampler: (signature) Max Wannow

1990 Prospect Ct. • Appleton, WI 54914
 920-830-2455 • FAX 920-733-0631

Sample Handling Request
 Rush Analysis Date Required _____
 (Rushes accepted only with prior authorization)
 Normal Turn Around

Project (Name / Location): Waube Ka Mill
 Reports To: Jacquelyn Voeks Invoice To: Jacquelyn Voeks
 Company: _____ Company: 90 METCO
 Address: 680 Emerald Pt. Building 5, Corbin, MO Address: 709 Gillette St. Ste. 3
 City State Zip: Hollister, MO 65672 City State Zip: La Crosse, WI 54603
 Phone: _____ Phone: _____
 FAX: _____ FAX: _____

Analysis Requested		Other Analysis	
DRO (Mod DRO Sep 95)		PID/ FID	
GRO (Mod GRO Sep 95)			
LEAD			
NITRATE/NITRITE			
OIL & GREASE			
PAH (EPA 8270)			
PCB			
PVOC (EPA 8021)			
PVOC + NAPHTHALENE			
SULFATE			
TOTAL SUSPENDED SOLIDS			
VOC DW (EPA 524-2)			
VOC (EPA 8260)			
8-PCRA METALS			

Lab I.D.	Sample I.D.	Collection Date Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation
503563A	MIN-1 B Trip Blank	12/13/18 8:35			N	3 1	GW	HCl

Comments/Special Instructions ("Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)
Lab to send copy of report to METCO/Jason P. (Invoice to METCO)
* U&C rates apply
* Agent Status

Sample Integrity - To be completed by receiving lab: Intact
 Method of Shipment: _____
 Temp. of Temp. Blank _____ °C On Ice:
 Cooler seal intact upon receipt: Yes No

Relinquished By: (sign) [Signature] Time Date Received By: (sign) _____ Time Date
 2:23pm 12/13/18

Received in Laboratory By: [Signature] Time: 8:07 AM Date: 12-14-18

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 21-Mar-19

Project Name WAUBEKA MILL
Project #

Invoice # E35875

Lab Code 5035875A
Sample ID MW-1
Sample Matrix Water
Sample Date 3/12/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	31	ug/l	2.2	6.9	10	GRO95/8021		3/16/2019	CJR	1
Ethylbenzene	1100	ug/l	5.3	16.9	10	GRO95/8021		3/16/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 5.7	ug/l	5.7	18.2	10	GRO95/8021		3/16/2019	CJR	1
Naphthalene	260	ug/l	17	53.8	10	GRO95/8021		3/16/2019	CJR	1
Toluene	1050	ug/l	4.5	14.5	10	GRO95/8021		3/16/2019	CJR	1
1,2,4-Trimethylbenzene	1390	ug/l	7.3	23.3	10	GRO95/8021		3/16/2019	CJR	1
1,3,5-Trimethylbenzene	210	ug/l	7.5	23.9	10	GRO95/8021		3/16/2019	CJR	1
m&p-Xylene	2140	ug/l	10	31.7	10	GRO95/8021		3/16/2019	CJR	1
o-Xylene	300	ug/l	5.8	18.4	10	GRO95/8021		3/16/2019	CJR	1

Project Name WAUBEKA MILL

Invoice # E35875

Project #

Lab Code 5035875B

Sample ID TB

Sample Matrix Water

Sample Date 3/12/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.22	ug/l	0.22	0.69	1	GRO95/8021		3/16/2019	CJR	1
Ethylbenzene	< 0.53	ug/l	0.53	1.69	1	GRO95/8021		3/16/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.57	ug/l	0.57	1.82	1	GRO95/8021		3/16/2019	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.38	1	GRO95/8021		3/16/2019	CJR	1
Toluene	< 0.45	ug/l	0.45	1.45	1	GRO95/8021		3/16/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.73	ug/l	0.73	2.33	1	GRO95/8021		3/16/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.75	ug/l	0.75	2.39	1	GRO95/8021		3/16/2019	CJR	1
m&p-Xylene	< 1	ug/l	1	3.17	1	GRO95/8021		3/16/2019	CJR	1
o-Xylene	< 0.58	ug/l	0.58	1.84	1	GRO95/8021		3/16/2019	CJR	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code	Comment
1	Laboratory QC within limits.

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 Ricker

CHAIN OF CUSTODY RECORD

Synergy

Environmental Lab, Inc.

Chain # No 3489

Page 1 of 1

Lab I.D. # _____
 Account No. : _____ Quote No.: _____
 Project #: _____
 Sampler: (signature) Tyler Woodke

1990 Prospect Ct. • Appleton, WI 54914
 920-830-2455 • FAX 920-733-0631

Sample Handling Request
 _____ Rush Analysis Date Required _____
 (Rushes accepted only with prior authorization)
 Normal Turn Around

Project (Name / Location): <u>Waubesa MTH / Waubesa, WI</u>		Analysis Requested										Other Analysis	
Reports To: <u>Jacquelyn Voeks</u>	Invoice To: <u>Jacquelyn Voeks</u>	DRG (Mod DRO Sep 95) GRO (Mod GRO Sep 95) LEAD NITRATE/NITRITE OIL & GREASE PAH (EPA 8270) PCB PVOC (EPA 8021) PVOC + NAPHTHALENE SULFATE TOTAL SUSPENDED SOLIDS VOC DW (EPA 524.2) VOC (EPA 8260) 8-PCRA METALS	PID/ FID	Company: <u>% METCO</u>		Address: <u>709 Gillette Street, Suite 3</u>		City State Zip: <u>La Crosse, WI 54603</u>		Phone: _____		FAX: _____	
Company: _____				Address: _____		City State Zip: _____		Phone: _____		FAX: _____			
Address: <u>680 Emerald Pt., Building 5, (cont)</u>				Address: _____		City State Zip: _____		Phone: _____		FAX: _____			
City State Zip: <u>Hollister, MO 65672</u>				City State Zip: _____		Phone: _____		FAX: _____		FAX: _____			
Phone: _____				Phone: _____		FAX: _____		FAX: _____		FAX: _____			

Lab I.D.	Sample I.D.	Collection Date	Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRG (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 524.2)	VOC (EPA 8260)	8-PCRA METALS	PID/ FID	
<u>503593A</u> <u>B</u>	<u>MW-1</u> <u>TB</u>	<u>3/12/19</u>	<u>420</u>			<u>N</u>	<u>3</u> <u>1</u>	<u>GW</u>	<u>HCl</u> <u>↓</u>									<u>X</u>	<u>X</u>						

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)
Lab to send copy of Report to METCO/Jason P. (Invoice to METCO)
* UTC Rates Apply
* Agent Status

Sample Integrity - To be completed by receiving lab. Method of Shipment: <u>GC</u> Temp. of Temp. Blank _____ °C On Ice: <input checked="" type="checkbox"/> Cooler seal intact upon receipt: <input checked="" type="checkbox"/> Yes _____ No	Relinquished By: (sign) <u>Tyler Woodke</u>	Time <u>10:00 AM</u>	Date <u>3/14/19</u>	Received By: (sign) _____	Time _____	Date _____
	Received in Laboratory By: <u>[Signature]</u>	Time: <u>8:00</u>	Date: <u>3/15/19</u>			