

We Energies 333 West Everett St., A231 Milwaukee, WI 53203

www.we-energies.com

July 27, 2023

Ms. Sarah Krueger Water Resources Management Specialist Wisconsin Department of Natural Resources 2984 Shawano Avenue Green Bay, WI 54313

## **RE:** Transmittal of Well Abandonment Documentation (MW-09) Former We Energies Appleton MGP Site, 337 Water St., Appleton, WI **BRRTS Activity No. 02-45-000042**

Dear Ms. Krueger:

On June 30, 2023, monitoring well MW-09 was abandoned, as approved by WDNR in an email dated June 13, 2021, as part of the development of the Ellen Kort Peace Park. Well MW-09 was part of the groundwater monitoring well network for the former We Energies Appleton manufactured gas plant (MGP) site located at 337 Water St. in Appleton, WI. Groundwater samples were collected from MW-09 prior to abandoning the well and the results of groundwater sampling and well abandonment activities are included in this transmittal as requested. No NR 140 groundwater standard exceedances were observed in the sample collected from the well.

We appreciate your ongoing assistance with this matter. Please do not hesitate to contact me at (414) 221-2156 or via email at frank.dombrowski@we-energies.com if you have any questions or if further information may be needed.

Sincerely,

nender Dominine

/Frank Dombrowski Principal Environmental Consultant WEC Energy Group – Business Services Environmental Dept.

Figure 1. Site Features Enclosures: Attachment A. Abandonment Form Attachment B. Photographic Log Attachment C. Groundwater Analytical Laboratory Report

CC: **Project File** A. Cawrse, Ramboll B. Hennings, Ramboll K. Lauridsen, WDNR

# FIGURE 1 SITE FEATURES



- HONITORING WELL LOCATION
- (ABANDONED)
- BABANDONED MONITORING WELL LOCATION
- PIEZOMETER LOCATION
- ➡ STAFF GAUGE LOCATION
- GROUND SURFACE ELEVATION CONTOURS (2-FT INTERVAL)
- → FOX RIVER FLOW DIRECTION
- ---- SHORELINE
- **IIIIII FORMER MGP SITE PERIMETER**
- PERIMETER OF ISS TREATMENT
- FORMER WASTE WATER TREATMENT PLANT STRUCTURES DEMOLISHED IN THIS AREA
- HISTORICAL NEEDLE DAM STRUCTURE
- 2019 TAX PARCEL



Notes - PLAN NORTH IS N39° 11' 42" OF TRUE NORTH

## FIGURE 2

RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC.



## SITE FEATURES **2022 ANNUAL REPORT**

WE ENERGIES FORMER APPLETON MANUFACTURED GAS PLANT (MGP) APPLETON, WISCONSIŃ

# ATTACHMENT A ABANDONMENT FORM

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

#### Well / Drillhole / Borehole Filling & Sealing Report Page 1 of 2

Form 3300-005 (R 4/2015)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

		Route	to DNR Bureau:											
Verification Only of	Fill and Sea		rinking Water		Watershed/W	astewater	X Remediati	on/Redevelopment						
		V 🗌 V	Vaste Manageme	nt	Other:									
1. Well Location Informa	tion			2. Facility	/ Owner Inf	ormation								
County Wi	Unique Well # c	of Hicap #		Facility Nam	ne									
Outagamie	inoved vven			Former W	le Energies	Appleton MGP	Site							
Latitude / Longitude (see instr	uctions)	Format Code	Method Code	-Facility ID (F	FID or PWS)	0040								
	N	DD	GPS008	DKKISN	10. UZ-45-00	<u> </u>								
	W			License/Per	mitriviornitorning	#								
1/4/1/4 1/4	Section	Township		Original We	ll Owner									
or Gov't Lot #	35	21 NI												
Well Street Address		21 N		Present We	ll Owner		(4)							
337 W Water St				WEC Ene	ergy Group -	<b>Business Serv</b>	ices							
Well City, Village or Town		Well	ZIP Code	Mailing Add	ress of Presen	t Owner		22						
Appleton		549	14	231 W Mi	chigan St	9.								
Subdivision Name		Lot #		City of Pres	ent Owner		State Z	IP Code						
				Milwauke	53203									
Reason for Removal from Ser	vice WI Unio	ue Well # of Re	placement Well	4. Pump,	Liner, Scree	n, Casing & Se	aling Materi							
V		-		Liner(s) r	emoved?	eu								
3. Filled & Sealed Well /	Drillhole / Boi	rehole Inform	nation											
X Monitoring Well			(1111/00/уууу)	Screen re	emoved?		XYe	s No N/A						
Water Well		1995		Casing le	ft in place?		Ye	es 🗙 No 🗍 N/A						
Borehole / Drillhole	If a Well Co	onstruction Repo	ort is available,	Was casi	na cut off belov	w surface?	 Ye	s X No N/A						
Construction Type:	picaco ana			Did sealir	ng material rise	to surface?	XYe	s No N/A						
	en (Sandpoint)	Du	a	Did mate	rial settle after	24 hours?	Ye	s 🗙 No 🗌 N/A						
Other (specify):	· , (,		5	If yes	, was hole reto	opped?	Ye	s 🗌 No 🗙 N/A						
Formation Type:				If bentoni	te chips were u	used, were they hy	drated X Ye	s 🗆 No 🗆 N/A						
X Unconsolidated Formatic	m [	Bedrock		Required M	ethod of Placin	a Sealing Material								
Total Well Depth From Ground		Casing Diamete	r (in )	Condu	uctor Pipe-Grav	/ity Conducto	or Pipe-Pumped	ł						
			. ()	Scree	ned & Poured	Other (Ex	nlain).							
13.13		Z Casing Depth (f	+ )	Bealing Mat	onite Chips)		picili):							
	ľ		)	Neat (	Cement Grout	Г	Concrete							
8		13.13			Bentonite Cl	hins								
Was well annular space groute	d?	Yes 🗙 No	Unknown	For Monitor	ing Malls and I	Monitoring Well Bo	vreholes Only:	lipo						
If yes, to what depth (feet)?	Depth	to Water (feet)		X Bento	nite Chips	Bent	tonite - Cement	Grout						
	4.12			Granu	lar Bentonite	Beni	tonite - Sand Sl	lurry						
5 Material Used to Fill W	/ell / Drillhole			Erom (ft.)		No. Yards, Sacks	s Sealant or	Mix Ratio or						
2/0" Destenite Chine	Ich / Drinnoic			Surface	10 (11.)	Volume (circ	le one)	Mud Weight						
3/8 Bentonite Chips				Surface	13.5	1 Sack	(							
6 Comments					-									
WW-09				2			DND III O							
Name of Person or Firm Doing	Filling & Sealin	g License #	Date of Fi	Iling & Sealin	g or Verificatio	n Date Received	No.	oted By						
On-Site Environmental		-	(mm/dd/y	yyy)06/30/2	023									
Street or Route		I	T	elephone Nur	nber	Comments	I							
PO Box 280			(	608)837	- 8992									
City		State ZIP	Code	Signature	Fin il	-	Date	Signed						
Sun Prarie		WI	53590		_milly R		07/17/2023							
					11									

# ATTACHMENT B PHOTOGRAPHIC LOG



# PHOTOGRAPHS

Attachment B Well Abandonment





WE Energies	Former Appleton MGP	1940101855
Photo no. Date		
2 6/30/20	23	
MW-09 after abandonme	nt	<image/>

ATTACHMENT C GROUNDWATER ANALYTICAL LABORATORY REPORT



Pace Analytical Services, LLC 1241 Bellevue Street - Suite 9 Green Bay, WI 54302 (920)469-2436

July 14, 2023

Andrew Cawrse Ramboll Americas 234 W Florida St Milwaukee, WI 53204

RE: Project: APPLETON MGP Pace Project No.: 40264546

Dear Andrew Cawrse:

Enclosed are the analytical results for sample(s) received by the laboratory on June 30, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network: • Pace Analytical Services - Green Bay

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

mate

Brian Basten brian.basten@pacelabs.com (920)469-2436 Project Manager

Enclosures

cc: Alex Bartelme, Ramboll NRT Data, Ramboll Elena Diazdeleon, WE Energies Frank Dombrowski, WE Energies Brian Hennings, Ramboll Americas WE Energies Lab Reports, WE Energies Evvan Plank, Ramboll





Pace Analytical Services, LLC 1241 Bellevue Street - Suite 9 Green Bay, WI 54302 (920)469-2436

#### CERTIFICATIONS

Project: APPLETON MGP

Pace Project No.: 40264546

#### Pace Analytical Services Green Bay

1241 Bellevue Street, Green Bay, WI 54302 Florida/NELAP Certification #: E87948 Illinois Certification #: 200050 Kentucky UST Certification #: 82 Louisiana Certification #: 04168 Minnesota Certification #: 055-999-334 New York Certification #: 12064 North Dakota Certification #: R-150 South Carolina Certification #: 83006001 Texas Certification #: T104704529-21-8 Virginia VELAP Certification ID: 11873 Wisconsin Certification #: 405132750 Wisconsin DATCP Certification #: 105-444 USDA Soil Permit #: P330-21-00008 Federal Fish & Wildlife Permit #: 51774A



## SAMPLE SUMMARY

Project: APPLETON MGP

Pace Project No.: 40264546

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40264546001	063023001	Water	06/30/23 09:54	06/30/23 11:56
40264546002	TB-1	Water	06/30/23 00:00	06/30/23 11:56



#### SAMPLE ANALYTE COUNT

Project:APPLETON MGPPace Project No.:40264546

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40264546001	063023001	EPA 6020B	TXW	1
		EPA 8260	CXJ	9
40264546002	TB-1	EPA 8260	CXJ	9

PASI-G = Pace Analytical Services - Green Bay



#### ANALYTICAL RESULTS

#### Project: APPLETON MGP

Pace Project No.: 40264546

Sample: 063023001	Lab ID:	40264546001	Collected	06/30/2	3 09:54	Received: 06/	/30/23 11:56 Ma	atrix: Water	
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS, Dissolved	Analytical Pace Ana	Method: EPA 6 lytical Services	020B Prepa - Green Bay	ration Me	thod: EF	PA 3010A			
Arsenic, Dissolved	3.1	ug/L	2.0	0.56	2	07/11/23 05:17	07/11/23 22:29	7440-38-2	
8260 MSV UST	Analytical Pace Ana	Method: EPA 8 lytical Services	260 - Green Bay						
Benzene	<0.30	ug/L	1.0	0.30	1		07/06/23 11:31	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		07/06/23 11:31	100-41-4	
Naphthalene	<1.9	ug/L	5.0	1.9	1		07/06/23 11:31	91-20-3	
Toluene	<0.29	ug/L	1.0	0.29	1		07/06/23 11:31	108-88-3	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		07/06/23 11:31	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		07/06/23 11:31	95-47-6	
Surrogates									
Toluene-d8 (S)	99	%	70-130		1		07/06/23 11:31	2037-26-5	
4-Bromofluorobenzene (S)	100	%	70-130		1		07/06/23 11:31	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		07/06/23 11:31	2199-69-1	
Sample: TB-1	Lab ID:	40264546002	Collected	06/30/2	3 00:00	Received: 06/	/30/23 11:56 Ma	atrix: Water	
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST	Analytical	Method: EPA 8	260						
	Pace Ana	lytical Services	- Green Bay						
Benzene	<0.30	ug/L	1.0	0.30	1		07/06/23 09:31	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		07/06/23 09:31	100-41-4	
Naphthalene	<1.9	ug/L	5.0	1.9	1		07/06/23 09:31	91-20-3	
Toluene	<0.29	ug/L	1.0	0.29	1		07/06/23 09:31	108-88-3	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		07/06/23 09:31	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		07/06/23 09:31	95-47-6	
Surrogates		5							
Toluene-d8 (S)	100	%	70-130		1		07/06/23 09:31	2037-26-5	
4-Bromofluorobenzene (S)	103	%	70-130		1		07/06/23 09:31	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		07/06/23 09:31	2199-69-1	



#### **QUALITY CONTROL DATA**

Project:	APPLETON MGP											
Pace Project No.:	40264546											
QC Batch:	449378		Analy	sis Metho	d:	EPA 6020B						
QC Batch Method:	EPA 3010A		Analy	/sis Descri	ption:	6020B MET	Dissolved					
			Labo	ratory:		Pace Analyt	ical Servic	es - Green	Bay			
Associated Lab Sam	ples: 402645460	001										
METHOD BLANK:	2581135			Matrix: W	ater							
Associated Lab Sam	ples: 402645460	001										
			Blar	nk	Reporting							
Param	eter	Units	Res	ult	Limit	Analy	/zed	Qualifier	s			
Arsenic, Dissolved		ug/L		<0.28	1	.0 07/11/23	3 21:47					
LABORATORY CON	TROL SAMPLE:	2581136										
_			Spike	LC	S	LCS	% R	ec	o			
Param	eter	Units	Conc.	Res	sult	% Rec	Limi	ts	Qualifiers	_		
Arsenic, Dissolved		ug/L	25	60	250	100	) (	30-120				
MATRIX SPIKE & M		LICATE 2581	137		258113	8						
		2001	MS	MSD	200110	•						
		40264530001	Spike	Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
Arsenic, Dissolved	ug/L	<0.28	250	250	253	260	101	104	75-125	3	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.



#### **QUALITY CONTROL DATA**

Project: APPLE	TON MGP				
Pace Project No.: 402645	546				
QC Batch: 44887	72	Analysis Meth	nod: EF	PA 8260	
QC Batch Method: EPA 8	3260	Analysis Desc	cription: 82	60 MSV UST-WAT	ER
		Laboratory:	Pa	ace Analytical Servi	ces - Green Bay
Associated Lab Samples:	40264546001, 40264546002				
METHOD BLANK: 257857	74	Matrix:	Water		
Associated Lab Samples:	40264546001, 40264546002				
		Blank	Reporting		
Parameter	Units	Result	Limit	Analyzed	Qualifiers
Benzene	ug/L	<0.30	1.0	07/06/23 08:05	
Ethylbenzene	ug/L	<0.33	1.0	07/06/23 08:05	
m&p-Xylene	ug/L	<0.70	2.0	07/06/23 08:05	
Naphthalene	ug/L	<1.9	5.0	07/06/23 08:05	
o-Xylene	ug/L	<0.35	1.0	07/06/23 08:05	
Toluene	ug/L	<0.29	1.0	07/06/23 08:05	
1,2-Dichlorobenzene-d4 (S)	%	101	70-130	07/06/23 08:05	
4-Bromofluorobenzene (S)	%	102	70-130	07/06/23 08:05	
Toluene-d8 (S)	%	98	70-130	07/06/23 08:05	

#### LABORATORY CONTROL SAMPLE: 2578575

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	59.0	118	70-130	
Ethylbenzene	ug/L	50	54.7	109	80-120	
m&p-Xylene	ug/L	100	109	109	70-130	
o-Xylene	ug/L	50	53.6	107	70-130	
Toluene	ug/L	50	54.9	110	80-120	
1,2-Dichlorobenzene-d4 (S)	%			99	70-130	
4-Bromofluorobenzene (S)	%			104	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE & MATRIX SP	IKE DUPLI	CATE: 2579	213		2579214							
			MS	MSD								
	4	40264552023	Spike	Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
Benzene	ug/L	<1.0	50	50	52.9	56.0	106	112	70-130	6	20	
Ethylbenzene	ug/L	<1.0	50	50	52.1	54.7	104	109	80-121	5	20	
m&p-Xylene	ug/L	<2.0	100	100	104	110	104	110	70-130	5	20	
o-Xylene	ug/L	<1.0	50	50	51.7	54.3	103	109	70-130	5	20	
Toluene	ug/L	<1.0	50	50	52.7	55.0	105	110	80-120	4	20	
1,2-Dichlorobenzene-d4 (S)	%						100	98	70-130			
4-Bromofluorobenzene (S)	%						104	101	70-130			
Toluene-d8 (S)	%						100	99	70-130			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.



#### QUALIFIERS

## Project: APPLETON MGP

Pace Project No.: 40264546

#### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

DL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

**DUP - Sample Duplicate** 

**RPD** - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.



#### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: APPLETON MGP Pace Project No.: 40264546

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40264546001	063023001	EPA 3010A	449378	EPA 6020B	449456
40264546001 40264546002	063023001 TB-1	EPA 8260 EPA 8260	448872 448872		

al and and a



## CHAIN-OF-CUSTODY / Analytical Request Document

COC #063023 40264546 The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at https://info pacelabs.com/hubfs/pas-standard-terms.pdf

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uired	Client Information:	Required	Projec	ct Infor	mation:					Invo	ice In	forma	tion:												L	Page	э:	1	01	•	1
npany.	Ramboll	Report To	Ru	ider, En	nıly			_		Atter	ntion	AC	LOL	シント	5 1	Pau	46	le							_						
ress	234 W Flordia Street	Сору То	100	<u>are</u>	ມ	CAW	RSE	-		Com	ipany	Name	W	E	E	UE	عد	VE	5												
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DC#\_Title: ENV-FRM-GBAY-0035 v03\_Sample Preservation Receipt Form Effective Date: 8/16/2022

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DC#\_Title: ENV-FRM-GBAY-0014 v03\_SCUR Effective Date: 8/17/2022

Sample Condition Upon Receipt Form (SCU
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Client Name: Kamboll	WO#:40264546	
Courier: CS Logistics Fed Ex Speedee UPS W	/altco	
Client		
Tracking #: 40264546		
Custody Seal on Cooler/Box Present:  yes yes no Seals intact: yes no		
Custody Seal on Samples Present: 🗋 yes 💋 no 🛛 Seals intact: 🗔 yes 🔲 no		
Packing Material: D Bubble Wrap D Bubble Bags O None Other		
Thermometer Used $SR - log '$ Type of Ice (Wet	Blue Dry None 💭 Meltwater Only	
Cooler Temperature Uncorr: 2.0 /Corr: 2.0	Person examining contents:	
Temp Blank Present: 📈 yes 🗔 no Biological T	issue is Frozen:  yes no Date: Date: Brozen: Sc	
Temp should be above freezing to 6°C. Biota Samples may be received at $\leq$ 0°C if shipped on Dry Ice.	Labeled By Initials: MIL	
Chain of Custody Present:	1.	
Chain of Custody Filled Out:	2.	
Chain of Custody Relinquished:	3.	
Sampler Name & Signature on COC:	4.	
Samples Arrived within Hold Time:	5.	
- DI VOA Samples frozen upon receipt	Date/Time:	
Short Hold Time Analysis (<72hr):	6.	
Rush Turn Around Time Requested:	7.	
Sufficient Volume:	8.	
For Analysis: 🛛 es 🗆 No 🛛 MS/MSD: 🗆 Yes 🗖 No 🗆 N/A		
Correct Containers Used:	9.	
Correct Type: Pace Green Bay Pace IR, Non-Pace		
Containers Intact:	10.	
Filtered volume received for Dissolved tests	11.	
Sample Labels match COC:	12.	
-Includes date/time/ID/Analysis Matrix:		
Trip Blank Present:	13.	
Trip Blank Custody Seals Present		
Pace Trip Blank Lot # (if purchased): 005		
Client Notification/ Resolution:	If checked, see attached form for additional comments	
Comments/ Resolution:		

PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample logir

Page 2 of 2