

August 28, 2020

234 W. Florida Street

Milwaukee, WI 53204

T 414-837-3607

F 414-837-3608 www.ramboll.com

Ref. 70068

Ramboll

Fifth Floor

USA



Shanna Laube-Anderson Hydrogeologist – Remediation and Redevelopment Wisconsin Department of Natural Resources 141 NW Barstow Street, Room 180 Waukesha, WI 53188

Pleasant Prairie Power Plant Well Abandonment (Coal Pile)
Pleasant Prairie Power Plant, Pleasant Prairie, WI
BRRTS#: 02-30-527479

Dear Ms. Laube-Anderson:

On behalf of We Energies, O'Brien & Gere Engineers, Inc., a Ramboll Company (Ramboll), is providing documentation of well abandonments completed August 10, 2020. A total of five wells (MW-5, MW-9, MW-10, P-1, and P-4) that were previously monitored to evaluate sulfate concentrations in groundwater were abandoned. Monitoring well abandonment forms are included in Attachment 1.

Abandonment documentation could not be located for MW-11 in the files, so Ramboll located the former well to determine its status. PVC at MW-11 was observed above the surface (~6 inches), but bentonite was present within the well. The top section of PVC was unscrewed and removed which resulted in the well casing being approximately 2 feet below ground surface. After removal of the casing the resulting hole was backfilled with bentonite. An abandonment form is included Attachment 1.

Please contact the undersigned or Tim Muehlfeld at We Energies, 414-221-2206, if any additional information is required.

Sincerely,

Nathaniel R. Keller, Po SME/ Technical Manager

D 414-837-3630 nate.keller@ramboll.com Glenn R. Luke, PE Managing Engineer

D 414-837-3545 glenn.luke@ramboll.com

Attachments

Attachment 1: Well Abandonment Forms

cc: Tim Muehlfeld, WEC Business Services, LLC

RAMBOLL

ATTACHMENT 1
WELL ABANDONMENT FORMS

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

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

Page 1 of 2

Notice: Completion of this repo accordance with chs. 281, 289, for up to one year, depending or	291-293, 295 n the program	i, and 299 n and cond	, Wis. S duct in	Stats., failure to volved. Persona	file this form ally identifiable	may result in e information	a forfeiture of betwo	een \$10-25/	5,000, or impri	sonment
purpose. Return form to the app	propriate DNF			eau. See instruc to DNR Bureau		rse for more	information.			
Verification Only of F	ill and Soa			rinking Water	·	Watershed/\	Wastewater	X Remed	diation/Redeve	lopment
Soil Boring or V			=	aste Manageme	ent	Other:				
1. Well Location Information					2. Facility	/ Owner Ir	nformation			
	nique Well #	of Hi	cap#		Facility Nam					
Kenosha	oved Well						Plant Ash Landfill			
Latitude / Longitude (see instruct 42.541147°	,	Format C		Method Code	230056310	ID or PWS)				
-87.905939°	N W			SCR002	License/Per 2786	mit/Monitorin	ig #			
1/4 / 1/4 SE/SW 1/4	Section	Towns	ship	Range X E	Original We					
or Gov't Lot#	16	1	Ν	22	WEC Energ	y Group				
Well Street Address					Present We					
8000 95th Street					WEC Energ	· .				
Well City, Village or Town Pleasant Prairie			Well 2 5315	ZIP Code 8	333 W Eve	ress of Prese ett Street	ent Owner			
Subdivision Name			Lot #		City of Presonal Milwaukee			State WI	ZIP Code 53203	
Reason for Removal from Service	e WI Unio	que Well #	of Rep	olacement Well			een, Casing & S	ealing Ma	iterial	
Site Closure						d piping remo	oved?		Yes No	X N/A
3. Filled & Sealed Well / D	rillhole / Bo	orehole	Inforn	nation	Liner(s) r				Yes No	X N/A
X Monitoring Well	01/16/		Date (mm/dd/yyyy)	Screen re	erforated?			Yes No	X N/A
Water Well	01/10/	1002				ft in place?		X	Yes X No	N/A
			n Repo	rt is available,	— <u> </u>					 _
Borehole / Drillhole	please atta	ich.				ng cut off bel		=	Yes No	∐ N/A □ N/A
Construction Type:	(0 1 : 1)	_	٦,		1	ig material his rial settle afte	se to surface?		Yes X No	□ N/A
	(Sandpoint)	L	Dug			, was hole re			Yes No	X N/A
					1 1	-	e used, were they hy	 drated		
Formation Type:	_	_					wn safe source?		Yes No	∐ N/A
X Unconsolidated Formation	L	Bedroc			1 '		ing Sealing Materia			
Total Well Depth From Ground S 27.20	` ′	Casing Dia	ameter	(in.)		ictor Pipe-Graned & Poured	avity Conducto	·	ipea	
21.20		2.07				nite Chips)	Other (Ex	(plain):		
Lower Drillhole Diameter (in.)		Casing D	epth (ft	1.)	Sealing Mat		_	_		
8.3		27.20			1 🗀	Cement Grou	_	Concrete		
Was well annular space grouted?		Yes	No	Unknown	Sand-	Cement (Con	ncrete) Grout	X Bentonit	e Chips	
If yes, to what depth (feet)?		to Water			1	•	Monitoring Well Bo		•	
if yes, to what depth (leet):	10.92		(IEEI)			nite Chips Iar Bentonite	<u> </u>	tonite - Cen tonite - San		
5. Material Used to Fill We	ell / Drillhol	е			From (ft.)	To (ft.)	No. Yards, Sack Volume (circ			
3/8" Bentonite Chips					Surface	27.20	50 Pounds	de one)	Mud W€	eigni
O/O Bontonito Onipo					Surface	21.20				
6. Comments										
7. Supervision of Work								DNR Us	e Onlv	
Name of Person or Firm Doing	Filling & Seali	ng Licer	nse#	Date of F	illing & Sealin	g or Verificati	on Date Received		Noted By	
On-Site Environmental Service	-				yyy) 08/10/20	-				
Street or Route		•		Τ	elephone Nur		Comments			
P.O. Box 280				(608) 837-89					
City Sun Prairie		State WI	ZIP (Code 90		Person Doir	ng Work	Di	ate Signed 8/25/2020	n

	d Waste Haz. Waste & Repair Underground		MONITORING WELL CONSTRUCTION Form 4400-113A Rev. 4-90
Law linux Propings Name	Local Gind Location of We	1	Well Name
1150 h lin 713	1816.1 12 BX	259.3 ft 8 w	MW-5
WENCO MR-213	Grid Origin Location		Wis Unique Wall Number DNR Well Number
	Las 420 321 28" L	ong. 87° 541 21° or	是那可能是我看着的话,这一点,"
		N. 2564358,5R.E.	Date Well Installed 5 111112
Piezometer 12 Distance Well Is From Waste/Source Boundary	Section Location of Waste/	Source 22 E.	m m d d y y Well Installed By: (Person's Name and Firm)
Disance well is from wastersome boundary	Location of Well Relative i	16.T. 1 N. R. 22	_Rick Phillips
Is Well A Point of Enforcement Std. Application?	u 🛘 Upgradient 🔞	Sidegradient	Fugro- Mcclelland
☐ Yes ☐ No ☐		Not Known 1. Cap and lock	
A Protective pipe, top elevation 686-10 f	MSL	2. Protective co	
B. Well casing, top elevation PVC 686.63 ft	L MSL	a. Inside diam	
C. Land surface elevation _ 6 \$4.7 ft	I. MSL	b. Length: c. Material:	_ <u>5.0</u> k
D. Surface seal, boutom_ 6 \$ 1 .7 ft MSL or _ 3	1.0 ft		Steel) 20 04 Other D 2525
12. USCS classification of soil near screen:	No. of the last	d Additional	protection? D Yes D No
GP D GM D GC D GW D SW D S	SP DX	If yes, desc	ribe:
SM TO SC D MLD MHD CLD C	CH D	3. Surface seal:	Bentonite 🔲 30
13. Sieve analysis anached? Yes D	<u>.</u>		Concrete 201
	1 1000	V V V V V V V V V V V V V V V V V V V	Other D
14. Drilling method used: Rotary	1 100	4. Maletial detw	een well casing and protective pipe:
Hollow Stem Auger And Other			Bentonite 30
OLE D	- -		Armular space seal D
15. Drilling fluid used: Warr 202 Air D	01	*	Other D
Drilling Mud 03 None 0	1 8000		c scal: (Sec (class)). Granular Bentonite [] 33
		702	3
16. Drilling additives used?	6 ₩		gal mud weight Bentonite slurry 31
1		d	entonite Benionite-coment grout 50 Fit volume added for any of the above
Describe	I 🔛	Wile: f. How insu	
17. Source of water (attach analysis):		* Bentanite und anne	elar space seals Tremie pumped 17 02
Plant water to clour bridgin	a 📟	form one continue	es seal to ground Gravity 08
		6. Bentonite se	
E. Bentonite seal, top ft. MSL or	ft.*	b. 01/4 in	. D3/8 in. D1/2 in. Bentonite pellets D 32
F. Fine sand, top ft. MSL or iv	/A ft.	7. Fine sand me	- benturite claips Other DE Caserial: Manufacturer, product name & mesh size
	A. ft.	7. Fine sand m	<u>A</u>
G. Filter pack, top _6_16_1 ft. MSL or	· B · O · U	b. Volume a	
H. Screen joins top 6]47 ft. MSL or 1	D.O. ft.		naterial: Manufacturer, product name and mesh rize ausc SAnd Co-
A mark m		b. Volume	dded <u>4,4</u> ft ³
I. Well bottom _659.7 ft. MSL or _2	5.0 ft	9. Well casing	<i>7</i> . \
J. Filter pack, bottom _659.1 ft. MSL or _ 3	50 ft		Flush threaded PVC schedule 80 📋 24
(5/3	777	10. Screen mate	
K. Borehole, bottom _656,7 ft. MSL or _2	5.0 tr	a. Screenty	pe: Factory cut 🔀 11
· · · · · · · · · · · · · · · ·			Continuous slot 01
L Borehole, diameter _ 7.25 in.	\ adda	\ '	Other D
M. O.D. well casing 200 in.		b. Manufacti c. Slot size:	mer Johason 0.515 in.
aron where we was a morning to the time to		d Slotted le	
N. LD. well easing _ 1 9 Q in.		11. Backfill mate	rial (below filter pack): None D 14
~ ~ ~ × ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~			some to used Other 188
I hereby certify that the information on this	s form is true and co		
Signature	Fam		
Jen Pisch	Wood	ward Clyde	

Please complete both sides of this form and return to the appropriate DNR office listed at the top of this form as required by chs. 144, 147 and 160, Wis. Stats., and chink 141, Wis. Ad. Code. In accordance with ch. 144, Wis Stats., failure to file this form may result in a forfeiture of not less than \$10, nor more than \$5000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than \$10,000 for each day of violation. NOTE: Shaded areas are for DNR use only. See instructions for more information including where the completed form should be sent.

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this form is additionized by Chapters 144.147 and 162, Wis, Stats. Completion of this report is mandatory. Penalties: Forfeit not less than \$10 nor more than \$5,000 for each violation. Fined not less than \$10 or more than \$100 or imprisoned not less than 30 days, or both for each violation. Each day of continued violation is a separate offense, pursuant to as 144.99 and 162.06, Wis. Stats.

Page 2 of 2

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Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

Page 1 of 2

Notice: Completion of this report accordance with chs. 281, 289, 28 for up to one year, depending on	91-293, 295 the progran	5, and 299 n and cond	, Wis. S duct in	Stats., failu volved. Pe	, 291-2 ure to f rsonal	293, 295, a ile this form ly identifiab	n may result in le information	Yeats., and chs. NF or a forfeiture of betwoon this form is no	ween \$10-	25,000,	s. Adm. or impri	sonment
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☐ Verification Only of Fill			=	ŭ				vvastewater	V IVeill	eulation	neueve	юринени
Soil Boring or W		V-9	vv	aste Mana	gemer		Other:					
1. Well LocationInformation County WI Unit	n ique Well #	of Li	cap#			2. Facilit Facility Na	y / Owner Ir	nformation				
Kanaaha Remov	ed Well		сар #					Plant Ash Landfill				
Keriosiia	G ₂ 2	9					(FID or PWS)					
Latitude / Longitude (see instruction 42.535218°	ons)	Format C		Method Co		23005631	Ŏ ,					
-87.911265°	W			SCR		2786	ermit/Monitorin	ıg#				
1/4 / 1/4 NW/NE 1/4	Section	Towns	ship	Range X	ΞE	Original W						
or Gov't Lot #	21	1	N	22	¬ w	WEC Ener	rgy Group					
Well Street Address 8000 95th Street						Present We WEC Energian						
Well City, Village or Town			Well 2	ZIP Code			dress of Prese	ent Owner				
Pleasant Prairie			53158				erett Street					
Subdivision Name			Lot #			City of Pres Milwaukee	sent Owner e		State WI	ZIP 532	Code 203	
Reason for Removal from Service	WI Uni	que Well #	of Rep	olacement '	Well			een, Casing & S	Sealing N	lateria		
Site Closure						l '	nd piping remo	oved?	اِ	Yes	∐ No	X N/A
3. Filled & Sealed Well / Dri	Ilhole / B	orehole	Inforn	nation		` ′	removed?		Ĺ	Yes	∐ No	X N/A
X Monitoring Well	•		Date (i	mm/dd/yyy	у)	l ` ′	perforated?		Ĺ	Yes	∐ No	X N/A
	12/01	/2000					removed?		2	Yes	∐ No	∐ N/A
Water Well	If a Well C	onstruction	n Reno	rt is availal	hle	Casing I	left in place?			Yes	X No	N/A
Borehole / Drillhole	please atta		тторо	it io availai	oio,	Was cas	sing cut off bel	ow surface?		Yes	No	X N/A
Construction Type:						Did seal	ing material ris	se to surface?		X Yes	No	N/A
X Drilled Driven (Sandpoint)	Г	Dug			Did mate	erial settle afte	er 24 hours?		Yes	X No	N/A
Other (specify):	. ,		_			If ye	s, was hole re	etopped?		Yes	No	X N/A
Formation Type:								e used, were they h	ydrated _[X Yes	□No	□ N/A
X Unconsolidated Formation	Г	Bedrocl	l,					wn safe source? cing Sealing Materia				
				(in)				avity Conduct		mned		
Total Well Depth From Ground Su 34.55	rtace (π.)	Casing Dia 2.07	ameter	(ın.)			ened & Poured	,]		nipeu		
						│	tonite Chips)	Other (E	xpiain):			
Lower Drillhole Diameter (in.)		Casing De	epth (ft	.)		Sealing Ma		ŗ	_			
8.3		34.55				I 🗀	Cement Grou		Concre			
Was well annular space grouted?	V	Yes	No	Unkr	2014/12	│	l-Cement (Cor	ncrete) Grout	X Benton	ite Chip	S	
				Oliki	IOWII	For Monito	ring Wells and	d Monitoring Well B		•		
If yes, to what depth (feet)?	'	n to Water	(feet)			X Bento	onite Chips	Bei	ntonite - Ce	ement G	rout	
	14.5	5				Gran	ular Bentonite		ntonite - Sa		ry	
5. Material Used to Fill Well	l / Drillho	le				From (ft.)	To (ft.)	No. Yards, Sacl Volume (cir		or	Mix Rat Mud Wo	
3/8" Bentonite Chips						Surface	34.55	50 Pounds	0.0 0.10,			J.g. 11
						2011000						
6. Comments												
Well vault removed.												
7. Supervision of Work									DNR U	se Onl	V	
Name of Person or Firm Doing F	illing & Sea	ling Licer	nse#	Date	e of Fil	ling & Seali	ng or Verificati	ion Date Receive		Noted	-	
On-Site Environmental Services	-					yy) 08/10/2						
Street or Route		I		I`		elephone Nu		Comments				
P.O. Box 280					(608)837	-8992					
City		State	ZIP (Code	<u> </u>	Signature o	of Person Doir	ng Work		Date Sig	gned	
Sun Prairie		WI	5359	90		Observed	by: Kule	Schaefer		8/25	/2020)

State of Wisconsin Department of Natural Resources Route To:	Watershed/Wastewater Remediation/Redevelopment	Waste Monagement [Other □		ORING WELL COI	NSTRUC v. 6-97	:TIOI
Facility/Project Name	Tarel Crist Lagarian of Wall	**************************************	Well N	ame		
P4 Power Plant		t. O.w.		MW-9		
Facility License, Permit or Monitoring No.	CIN. ft. [7] S. Grid Origin Location Lat. Lat. Lat. Lat. Lat.	(Check if estimate	id: 🗌) Wis. Ui	nique Well No DNR	Well Nurr	iber
Fucility ID	St. Plane 202522 . L. A. N.			'ell Installed		
10792	Section Location of Waste/Sour			12/01/2000		
Type of Well	AW 1/4 of NE 1/4 of Sec.	21 T 1 NP 22	F RE Well In	istalled By: (Person's	Name an	d Firm
Well Code 11/mw	Location of Well Relative to W	aste/Source		L. Erdman		
Distance Well Is From Waste/Source	u 🗆 Upgradient s 🔘	Sidegradient		Boart Longyca	n r	
A. Protective pipe top elevation 688	d Downgradient n	Not Known . Cap and			Yes 🗆	No
	11		ive cover pipe:	,-		
101	2.00 R. MSL	11/	e diameter:		4	1.0 in. 7.0 ft.
C. Land surface elevation	.5 n. MSL	b. Leng			Steel 🖾	
D. Surface seal, bottom	Lor 50 (1			* 14 - 14 - 14 - 14 - 14 - 14 - 14 - 14		
12. USC classification of soil near screen:	320 E.		itional protection		□ Yes 図	No
GPD GMD GCD GWD S	WO SPO	lf ye	s, describe:			
SME SC & MLD MHE C Bedrockin	TO CHO!	3. Surface	: seal:	Ben		
13. Sieve analysis attached? L. Yes	EZ No				ncrete	,
	E3110	4 Maradi	at hatman wall a	asing and protective p		,
14 Drilling method used: Rota Hollow Stem Aug	ury [] 5 0	4, (viateria	at between wen c		ntonite 🖂	3 3 0
Otil Ada		3. Surface 4. Materia 5. Annula b c d e f. Ho	#30 Sa		Other &	
		5. Annula	ar space seal:	a. Granutar Ben	ntonite 🛭	3 3 3
15. Drilling fluid used: Water 0 2	^ir □01	b	•	ight. Bentonite-sand		
Drilling Mud 03 No	one □99	c		ight Bentonite		
16. Drilling additives used? Yes	⊠ No 🐰	₫		Bentonite-coment		3 50
		C	rr volum w installed:	e added for any of the	i above Tremie 🛭	٦ ٨ ١
Describe			W Matanea.	fromie p	_	
17. Source of water (attach analysis):					Gravity &	
House Lister Fron Peaut	~ \	6. Bentor	nite seal:	a. Bentonite gr	ranules &	3 3 3
The second successive second s		Ø / b. □		□ 1/2 in. Bentonite	pellets [⊒ 3,2
E. Bentonite seal, top _ 672.5 ft. MS	Lor0.5 ft. \	c				
1.72	L or 0.5 ft.	c 7. Fine si a b. Vol 8. Filter		nnufacturer, product n #7 Badger	aine and i	mesh siz
F. Fine sand, top L. F.L. ft. MS	10 or	a	lume added		**************************************	بنش.
G. Filter pack, top	Cor 16.5 ft.	8. Filter		fanufacturer, product	name and	l mesh si
		a		nerican Materials		, ,
H. Screen joint, top 668 R. MS	CL or18.5 ft	b. Vol	lume added	r²		
163	275 6	9. Well o	_	h threaded PVC sched		
I. Well bottom ft. Ms	SL or33.5 ft.			h threaded PVC schee		
I. Filter pack, bottom 4515 it. Mi	SL or35.0 n.			PVC		
K. Borchole, bottom <u>(51.5</u> n. M.	350 0	2///// a. Sc.	reen Type:		tory cut	
K. Borchole, bottom It. MR	SL or II.				ous slot Other	•
L. Borchole, diameter8.0 in.		`	anufacturer	Boart Longyear		.010 in
M. O.D. well casing		\	ot size: otted length:			15.0 A
ive. O.D. West casting III.		•	fill material (belo	w filter pack):		⊠ 14
N. I.D. well easing <u>2.06</u> in.		and the second s	* ***	* ***	Other	a 🗀
I hereby certify that the information on th	is form is true and correct to the	best of my knowledge.				

Firm Boart Longyear

101 Alderson St. Schofield, WI 54476

Fax: (715)359-70

102, 293, 295, and 299, Wis. State, and ch. NR 141, Wis. Adm Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299. Wis. State, 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. Tel: (715)359-7090 Fax: (715)355-5715

State of Wisconsin Department of Natural Resources

should be sent,

SOIL BORING LOG INFORMATION Form 4400-122 Rev. 5-97

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oring Drilled B	A (patur ua)	ne and na	mie or crew	ch(ct)		Date Dri	uing Si	arteu		Dat	e Drillii	ng Com	picteu		ווווזטן	ng Method
Boart Longy	vear - I.	Erdmar	1				12/1	/2000		1		12/1/2	000		41	/4" I·ISA
VI Unique Well	No.	DNR	Well ID No	Сопъ	non Well Name	Final Sta					e Elevat	ion	***************************************	Bo		Diameter
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acility ID		1	County			County Co	ode	Civil T	own/C	ity/ or '	Village				·	
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Sample											<u></u> ,	Soil	Prop	erties		
Number and Type Length Att. & Recovered (m)	N M		•	oil/Rock De	•						8					
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Number and Type Length At Recovered	Blow Counts			Each Majo	or Unit		uscs	Graphic Log	ell	PID/FID	Compressive Strength	oistu	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
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I hereby certif		<u> </u>	n on this fo	rm is true a	and correct to the	best of my	knowl	edge.			.,					
Signature	<i></i>					Roart Lor									Tr.ele	(715)350-7

Boart Longyear -Till Tel: (715)359-7090 101 Alderson St. Schofield, WI 54476 Fax: (715)355-5715 This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completions 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 be used for any other purpose. NOTE: See instructions for more information, including where the completed form

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San	nple			Soil/Rock Description						Soi	Prop	erties		
Q.	4n. 8 ed (ir	ounts	Feet	And Geologie Origin For					ive					
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet	Each Major Unit	uscs	phic	Wel! Diagram	PID/FID	Compressive Strength	Moisture Content	P.	Plasticity Index		RQD/ Comments
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SOIL BORING LOG INFORMATION SUPPLEMENT Form 4400-122A $$\text{Rev.}\,5\text{-}97$$

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	Length An. & d	Blow Counts	Depth In Feer	Soil/Rock Description And Geologic Origin For	\$	u	n n	(ssive		Prop	crties		,
Number and Type	Leugil	Blow	Denth	Each Major Unit	USCS	Graphic	Well	PID/FID	Compressive Strength	Moisture Content	Liquid	Plasticity Index	P 200	RQD/ Commenis
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State of Wis., Dept. of Natural Resources dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

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: **Drinking Water** Watershed/Wastewater X Remediation/Redevelopment Verification Only of Fill and Seal Soil Boring or Well ID: MW-10 Waste Management Other: 1. Well Location Information 2. Facility / Owner Information WI Unique Well # of Hicap # Facility Name County Removed Well Pleasant Prairie Power Plant Ash Landfill Kenosha 3 Ρ Facility ID (FID or PWS) Format Code Latitude / Longitude (see instructions) Method Code 230056310 42.533534° X GPS008 X DD License/Permit/Monitoring# SCR002 -87.913919° 2786 W OTH001 1/4 / 1/4 NE/NE Township Range 1/4 Section Original Well Owner XE WEC Energy Group 20 21 or Gov't Lot # W Present Well Owner Well Street Address WEC Energy Group 8000 95th Street Mailing Address of Present Owner Well City, Village or Town Well ZIP Code 333 W Everett Street 53158 Pleasant Prairie City of Present Owner State ZIP Code Subdivision Name Lot# 53203 Milwaukee WI 4. Pump, Liner, Screen, Casing & Sealing Material Reason for Removal from Service WI Unique Well # of Replacement Well Pump and piping removed? Yes No X N/A Site Closure Liner(s) removed? Yes No X N/A 3. Filled & Sealed Well / Drillhole / Borehole Information
Original Construction Date (mm/dd/yyyy) Liner(s) perforated? Yes No X N/A X Monitoring Well 05/19/2006 Screen removed? XYes No N/A Water Well Casing left in place? X Yes N/A If a Well Construction Report is available, Borehole / Drillhole please attach. Was casing cut off below surface? X N/A Did sealing material rise to surface? X Yes N/A Construction Type: No Did material settle after 24 hours? X No N/A Yes X Drilled Driven (Sandpoint) Dug If yes, was hole retopped? X N/A Yes No Other (specify): If bentonite chips were used, were they hydrated Formation Type: X Yes with water from a known safe source? X Unconsolidated Formation **Bedrock** Required Method of Placing Sealing Material Conductor Pipe-Gravity Total Well Depth From Ground Surface (ft.) Casing Diameter (in.) Conductor Pipe-Pumped Screened & Poured 25.87 Other (Explain): (Bentonite Chips) Sealing Materials Lower Drillhole Diameter (in.) Casing Depth (ft.) 8.3 25.87 **Neat Cement Grout** Concrete Sand-Cement (Concrete) Grout X Bentonite Chips Was well annular space grouted? X Yes No Unknown For Monitoring Wells and Monitoring Well Boreholes Only: If yes, to what depth (feet)? Depth to Water (feet) Bentonite Chips Bentonite - Cement Grout 10.00 Granular Bentonite Bentonite - Sand Slurry Yards, Sacks Sealant or Mix Ratio or 5. Material Used to Fill Well / Drillhole From (ft.) To (ft.) Volume (circle one) 50 Pounds 3/8" Bentonite Chips Surface 25.87 6. Comments **DNR Use Only** 7. Supervision of Work Name of Person or Firm Doing Filling & Sealing Date of Filling & Sealing or Verification Date Received Noted By License # (mm/dd/yyyy) 08/10/2020 On-Site Environmental Services, Inc. Street or Route Telephone Number Comments P.O. Box 280 608)837-8992 City State ZIP Code Signature of Person Doing Work Date Signed Sun Prairie WI 53590 8/25/2020

State of Wisconsin Department of Natural Resources	Watershed/Wastewater	Waste Management	MONITORING WELL CONSTRUCTION
Route To:	Remediation/Redevelopment		Form 4400-113A Rev. 7-98
Facility/Project Name	Local Grid Location of Well		Well Name
P4 Power Plant	ft. S. —	ft. □ E.	MW-10
Facility License, Permit or Monitoring No.	Local Grid Origin 🛛 (estimate	d: 🔲 🌒 or Well Location 🔚	Wis. Unique Well No. DNR Well Number
	Lat Lo	ong.	PI736
Facility ID	St. Plane ft. N,	n.E. S/C/	Date Well Installed
	Section Location of Waste/Source	gas and construction of endocal degradation of the construction of	05/19/2006
Type of Well	NE_1/4 of NE_ 1/4 of Sec.	20 T. 1 N, R. 21	wl
Well Code 11/mw Distance from Waste/ Enf. Stds.	Location of Well Relative to Was		Tony Kapugi
Source ft. Apply	d ⊠ Downgradient n □		On-Site Environmental Services, Inc.
A. Protective pipe, top elevation 69	83.80 ft (NGV D) 	1. Cap and lock?	✓ Yes □ No
B. Well casing, top elevation 69	83.42 ft. (NGVD)	2. Protective cove	
C. Land surface elevation	683.8 ft. (NGVP)	b. Length:	1.0_ ft
600 O		c. Material:	Steel 🛛 04
<u></u>	VD) or 1.0 ft.		Other 🗆 💹
12. USCS classification of soil near screen:	TANK TANK	d. Additional p	rotection?
	WØ SPO	II yes, descr	Bentonite ⊠ 3 0
Bedrock □		3. Surface seal:	Concrete 0 1
13. Sieve analysis attached?	es □No	 \	Other 🗆 💆
14. Drilling method used: Rota	ry 🗆 5 0	4. Material between	en well casing and protective pipe:
Hollow Stem Aug	· 1 1001		Bentonite 30
Oth	ier 🗆 💹		Sand Other 🛛
Lis David All Maria		EXXI -	seal: a. Granular/Chipped Bentonite 🛛 3 3
15. Drilling fluid used: Water □ 0 2 A Drilling Mud □ 0 3 Nor	Air 🗆 0 1	M4	l mud weight Bentonite-sand slurry ☐ 3 5
Dinning wad (100)		cLbs/ga d% Ben	I mud weight Bentonite slurry ☐ 3 1 tonite Bentonite-cement grout ☐ 5 0
16. Drilling additives used?	es ⊠ No	KX1	Ft ³ volume added for any of the above
		f. How install	-
Describe			Tremie pumped 🔲 02
17. Source of water (attach analysis, if requir	ed):		Gravity 🛛 08
n/a		6. Bentonite seal:	9
		KXX /	□ 3/8 in. □ 1/2 in. Bentonite chips □ 3 2
E. Bentonite seal, top ft. (NG)	VD) <u>or</u> ft	C	rial: Manufacturer, product name & mesh size
F. Fine sand, top <u>675.8</u> ft. (NG	VD) or 8.0 ft.	a	Red Flint #7
C72.0		1.4	ed ft³
G. Filter pack, top 673.8 ft. (NG)	VD) or 10.0 ft.	8. Filter pack mai	erial: Manufacturer, product name & mesh size Uimen 30/40
H. Screen joint, top 671.8 ft. (NG	VD) or 12.0 ft.	b. Volume add	
		9. Well casing:	Flush threaded PVC schedule 40 🛛 2 3
I. Well bottom 657.8 ft. (NG)	VD) <u>or 26.0</u> ft.		Flush threaded PVC schedule 80 🗆 2 4
J. Filter pack, bottom 656.3 ft. (NG	VD) az 27.5 a z	10 5	Other D
J. Filter pack, bottom 656.3 ft. (NG	VD) <u>or 27.5</u> II.	10. Screen materia a. Screen Type	
K. Borehole, bottom 655.8 ft. (NG	VD) or 28.0 ft.	u. Screen Type	Continuous slot 0 1
,		//	Other 🗆 💹
L. Borehole, diameter 8.3 in.	V////	b. Manufactur	er Northern Aire
2.20		c. Slot size:	
M. O.D. well casing 2.38 in.		d. Slotted leng	th: $\frac{15.0}{1}$ ft al (below filter pack): None \boxtimes 14
N. I.D. well casing 2.07 in.		ii. Dackiiii iliateii	at (below filter pack). Notice 🖾 14
III.			
I hereby certify that the information on this for	orm is true and correct to the best o	f my knowledge.	Date Modified: 6/13/2006
Signature	Firm Natural R	esource Technology, Inc.	Tel

Fax:

Please complete both Forms 4400-113A and 4400-113B and return them 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. Personally 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

			Ro	ute To:				∕ater □ velopmen	t 🖾	Waste Other	_	ement								
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	y/Proje Power									License/	Permit	/Monit	oring N	lumber			Numb MW			
Borin	g Drille	d By:		of crew c	hief (firs	st, last)	and F	irm		Date Dr	lling S	tarted		Dat	e Drill		mpleted		1	ing Method
	ıy Kap Site E		onmei	ntal Ser	vices, I	Inc.					5/19	/2006				5/19/2	2006		1	llow stem ger
WI U	nique W	Vell No 736). ,	DNR V	Vell ID 1	Vo.	Com	mon Well MW-1		Final Sta			- 1		Eleva		GVD	1	rehole	Diameter inches
Local			⊠ (e:	stimated:				ocation [······································	0110	<u>ч D) </u>			Grid Lo			0.3	menes
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Facili		01 11	<u> </u>	C	County	***************************************		11, 11		County Co			`own/C	•	Village				1	CCI CJ W
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be r	Att.	ounts	n Fee					: Origin F			S				essive h	e _		Ţ.		ants
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet			Eacl	h Maj	or Unit			usc	Graphic Log	Well Diagram		Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	200	RQD/ Comments
1 CS	60 53	111						YR 2/1),							S	20			Ъ	<u> </u>
CS	55		<u> </u>					onplastic ine], mois		ace										
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2 CS	60 32		-5 -																	
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Signa	ture			*	on this I	ionn is	true a	Firm		best of m ural Res	·		nolog	v. Inc						Tel:
See a	and the	6	1											,,,						. J.

Date Modified: 6/13/2006

Template: WDNR SBL 1998 - Project: 1580 GINT.GPJ
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 be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

Borin	g Numl	oer	MV	V-10 Use only as an attachment to Form 4400	0-122.					Pag	ge 2	of	2
	nple								Soil	Prop	erties		
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	uscs	Graphic Log	Well Diagram	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
4 CS	60 50		-13 -14 -15 -16 -17	12 - 28' WELL-GRADED SAND WITH GRAVEL: (SW)g, mostly subrounded sand [little fine, little medium, some coarse], few subrounded gravel [few fine], wet.									
5 CS	60 47		-19 -20 -21 -21		(SW)g								
6 CS	36 30		-23 -24 -25 -26 -27 -28										
				28' End of Boring.									

Ε	3orin;	g Numl	ber	MW	V-10 Use only as an attachment to Form 440	0-122.						e 2	of .	2
		nple	·····							Soil	Prope	erties		
	Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	uscs	Graphic Log	Well Diagram	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
	4 4 5 5 8	60 50	I	-13 -14 -15 -16 -17	12 - 28' WELL-GRADED SAND WITH GRAVEL: (SW)g, mostly subrounded sand [little fine, little medium, some coarse], few subrounded gravel [few fine], wet.									
(5 CS	60 47		-19 -20 -21 -22		(SW)g								
(ලෙස ව	36 30		-23 -24 -25 -26 -27 -28	28' End of Boring.									
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State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Template: WDNR WELL DEVELOP 1998 - Project: 1580 GINT.GPJ

Form 4400-113B

Watershed/Wastewater Waste Management Route To: Other Remediation/Redevelopmen Well Name County Facility/Project Name MW-10 P4 Power Plant Kenosha Wis. Unique Well Number DNR Well Number County Code Facility License, Permit or Monitoring Number 30 PI736 Before Development After Development ☐ Yes ☒ No 1. Can this well be purged dry? 11. Depth to Water (from top of 11.85 ft. 11.85 ft. 2. Well development method: well casing) surged with bailer and bailed 41 6 1 surged with bailer and pumped 5/19/2006 5/19/2006 Date h 42 surged with block and bailed Ø 62 surged with block and pumped □ a.m. ☐ a.m. surged with block, bailed, and pumped 70 02:15 ⋈ p.m. 01:15 ⋈ p.m. Time 20 compressed air П bailed only 10 0.0 inches 4.8 inches 5 1 12. Sediment in well pumped only bottom 50 pumped slowly 13. Water clarity Clear

10 Clear

20 other Turbid ☑ 15 Turbid □ 25 (Describe) (Describe) 60 min. 3. Time spent developing well brown 26.0 ft. 4. Depth of well (from top of well casing) 2.07 in. 5. Inside diameter of well 6. Volume of water in filter pack and well 15 gal. casing Fill in if drilling fluids were used and well is at solid waste facility: 120.0 gal. 7. Volume of water removed from well 14. Total suspended mg/l mg/l solids 8. Volume of water added (if any) 0.0 gal. 15. COD mg/l mg/l 9. Source of water added not applicable 16. Well developed by: Person's Name and Firm ☐ Yes ☒ No 10. Analysis performed on water added? (If yes, attach results) 17. Additional comments on development: Facility Address or Owner/Responsible Party Address I hereby certify that the above information is true and correct to the best of my knowledge. Mark Collins Name: WE Energies Firm: Signature: Print Name: Paula Richardson 333 W. Everett Street Street: Milwaukee WI 53203 Natural Resource Technology, Inc. City/State/Zip: Firm:

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

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

Page 1 of 2

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: **Drinking Water** Watershed/Wastewater X Remediation/Redevelopment Verification Only of Fill and Seal Soil Boring or Well ID: MW-11 Waste Management Other: 1. Well Location Information 2. Facility / Owner Information WI Unique Well # of Hicap # Facility Name County Removed Well Pleasant Prairie Power Plant Ash Landfill Kenosha Facility ID (FID or PWS) Format Code Latitude / Longitude (see instructions) Method Code 230056310 42.541695° X GPS008 XDD Ν License/Permit/Monitoring# SCR002 -87.913166° 2786 W OTH001 1/4 / 1/4 1/4 Section Township Range Original Well Owner F WEC Energy Group or Gov't Lot # W N Present Well Owner Well Street Address WEC Energy Group 8000 95th Street Mailing Address of Present Owner Well City, Village or Town Well ZIP Code 333 W Everett Street 53158 Pleasant Prairie City of Present Owner State ZIP Code Subdivision Name Lot# 53203 Milwaukee WI 4. Pump, Liner, Screen, Casing & Sealing Material Reason for Removal from Service WI Unique Well # of Replacement Well Pump and piping removed? Yes No X N/A Site Closure Liner(s) removed? Yes No X N/A 3. Filled & Sealed Well / Drillhole / Borehole Information
Original Construction Date (mm/dd/yyyy) Liner(s) perforated? Yes No X N/A X Monitoring Well 11/16/2006 Screen removed? XYes No N/A Water Well Casing left in place? X Yes N/A If a Well Construction Report is available, Borehole / Drillhole Was casing cut off below surface? Х N/A please attach. Did sealing material rise to surface? X Yes N/A Construction Type: No Did material settle after 24 hours? X No N/A Yes Dug X Drilled Driven (Sandpoint) If yes, was hole retopped? No X N/A Yes Other (specify): If bentonite chips were used, were they hydrated Formation Type: Yes with water from a known safe source? X Unconsolidated Formation **Bedrock** Required Method of Placing Sealing Material Conductor Pipe-Pumped Total Well Depth From Ground Surface (ft.) Casing Diameter (in.) Conductor Pipe-Gravity Screened & Poured 34.15 Other (Explain): (Bentonite Chips) Lower Drillhole Diameter (in.) Casing Depth (ft.) Sealing Materials 8.3 34.15 **Neat Cement Grout** Concrete Sand-Cement (Concrete) Grout **Bentonite Chips** Was well annular space grouted? X Yes No Unknown For Monitoring Wells and Monitoring Well Boreholes Only: Depth to Water (feet) If yes, to what depth (feet)? Benton ite Chips Bentonite - Cement Grout Granular Bentonite Bentonite - Sand Slurry Yards, Sacks Sealant or Mix Ratio or 5. Material Used to Fill Well / Drillhole From (ft.) To (ft.) Volume (circle one) The well was abandoned previously. Upon arrival the well was filled to surface with bentonite. We removed the top 2 feet of casing by twisting off the top section of PVC. 5 lbs of bentonite chips were then added to fill the hole diameter where the casing was. **DNR Use Only** 7. Supervision of Work Name of Person or Firm Doing Filling & Sealing Date of Filling & Sealing or Verification Date Received Noted By License # (mm/dd/yyyy) 08/10/2020 On-Site Environmental Services, Inc. Street or Route Telephone Number Comments 608) 837-8992 P.O. Box 280 Date Signed City State ZIP Code Signature of Person Doing Work ule Schaefer Observed by: 8/25/2020 Sun Prairie WI 53590

State of Wisconsin Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

			<u>Rc</u>	oute To:		Vastewater /Redevelopmen	ut [X]	Waste l Other	-	ement								
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	y/Proje							License/	Permit/	Monito	ring Nu	mber		-	Numb	er		
	Power			of crew c	hief (first, last)	and Firm		Date Dri	lling St	arted		Date	e Drilli		MW-npleted		Drill	ing Method
Tor	- 1у Кар	ougi												_			ho	llow stem
	-Site E nique W				vices, Inc. Well ID No.	Common Wel	II Name	Final Sta		5/2006 ter Leve		Surface		1/16/	2006	lBo		ger Diameter
01	inque v	011 1 10				MW-		1		GVD)				 (NGV	'D)			inches
Local State	Grid O	rigin	⊠ (e:	stimated:	: 🗌) or Bo N,	ring Location E S/C/N		La	t	0	ı	,, I	Local (Grid Lo				
State	1/4	of	1	/4 of Sec	ŕ	T N, R	٧.	Long		0				Feet	N □ S □ :		F	Eeet W
Facilit	ty ID		· · · · · · · · · · · · · · · · · · ·		County		1	County Co	de	Civil To			/illage					
Sar	nple		T		Kenosha			30	l	Pleas	ant Pr	airie		Soil	Prope	rties		
Our	_		1		Soil/F	Rock Descriptio	n							Jon	Порс	Tues		-
. 0	Length Att. & Recovered (in)	Blow Counts	Depth In Feet			eologic Origin I					_		Compressive Strength	a		<i>y</i> .		nts
Number and Type	Length Att. Recovered	w C	pth In		Ea	ch Major Unit			scs	Graphic Log	Well Diagram		Compres Strength	Moisture Content	Liquid Limit	Plasticity Index	200	RQD/ Comments
Z	R E	BIC	De	0.0).5' SANDY	CITE (M	r N. 1-1-	-1- (<u> </u>	1111111	Well Diagr		Str	≱ ೦	13 :1	Plastic Index	P 2	<u> </u>
CS	54		F	\ 10YI	R 2/1), nonp	lastic, no dil			(ML)s						ļ			
			-1	\tougl	hness, soft, T - 3' LEAN C	opsoil.	ISANI	<u> </u>										
			E.	s(CL), dark yello	wish brown	(10YR		s(CL)									
			<u>-2</u>		ium plasticity hness, firm,		cy, low											
			<u>-</u> 3				·····											
			E		B' LEAN CL R 4/3), low p													
			-4		toughness, fi			, , , , , , , , , , , , , , , , , , ,										
			E															
2	60		<u>-5</u>															
CS	54		E,						ML									
			F-6															
l			E 7															
			E															
			<u>-</u> 8	8 - 9).5' SILT :	CL gray (1)	0VR 5/	1)	ļ									
			E	medi	ium plasticity	, no dilatano			CL									
			<u>-9</u>	tougi	hness, firm to	hard.												
			F		- 12.5' POO I			ND:										
3 CS	60 50		-10	SP, y	ellowish bro	own (10YR)	5/6).											
			E11						SP									
			E															
1		L	-12				· · · · · · · · · · · · · · · · · · ·			158								
		fy that	the info	ormation	on this form is				nowle	dge.								
Signa	ште					Fir	m NR	Γ										Tel

Date Modified: 11/20/2006

Template: WDNR SBL 1998 - Project: 1580 GINT.GPJ

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 be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

Borin	ig Numb	er	MW	7-11 Use only as an attachment to Form 4400-I	122.									e 2	of	3
Sar	nple										1	l Pı	rope	rties	·-·	
	Length Att. & Recovered (in)	unts	Depth In Feet	Soil/Rock Description And Geologic Origin For						Compressive Strength						ts
Number and Type	gth A	Blow Counts	th In	Each Major Unit	scs	Graphic			Diagram	ngth	Moisture] :	: !:	Plasticity Index	0(RQD/ Comments
Nun and	Len	Blov	Dep		n s	Gra	Log	Wel	Diag	 Con	Moi	Linnid	Limit	Plastic Index	P 200	<u> </u>
			_	10.5 1011 FAN CLAY . CL const	SP								1			-
			-13	12.5 - 18' LEAN CLAY : CL, gray (10YR 5/1), medium plasticity, no dilatancy, medium toughness, hard, till.												
				dilatancy, medium toughness, hard, till.									i			
			14 													
4	60		_ 15		C.											
4 CS	54		_		CL											
			-16 -													
			- -17													
			<u>-</u> -					1								
ľ			- 18	18 - 19' WELL-GRADED SAND WITH	(GIII)	5	ġ.									
			- -19	GRAVEL: (SW)g, light brownish gray (10YR 6/2). 19 - 39' SILT: ML, gray (10YR 5/1),	(SW) _E	3 - -	• (
			-	19 - 39' SILT : ML, gray (10YR 5/1), nonplastic, slow dilatancy, low toughness,												
5 CS	60		-20	firm to hard.												
CS	60		_ 21								[
			- 21													v
			-22						3							
			_ 													
			-24													
			Ē													
6 CS	60 60		25 -		ML											
			-26													
			<u> </u>													
ı			27 -													
			E -28													
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			-29 -													
7	60		E ₃₀													
7 CS	60 60		E													
			<u></u> −31													
1			-32			-										

Borin	g Numl	ber	MW	V-11 Use only as an attachment to Form 4400-	122.					Pag	ge 3	of	3
San	ıple								Soil	Prope	rties		
	& (in)	ts	et	Soil/Rock Description		ļ		ي ا					
_ ဗ	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	And Geologic Origin For			اء	ssiv	. بو ا		£		nfs
nbe Typ	gth	w C	th I	Each Major Unit	scs	phic	Brail I	npre	stur	ii ii	sticit ex	00	D /
Number and Type	Len Rec	Blo	Dep		n S	Graphic Log	Well Diagram	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
				19 - 39' SILT : ML, gray (10YR 5/1),									
				nonplastic, slow dilatancy, low toughness, firm to hard. <i>(continued)</i>						ļ			
				inin to nata. (commueu)									
8 CS	60												
CS	60				ML								
				39 - 45' LEAN CLAY : CL, gray (
				10YR 5/1), medium plasticity, no dilatancy, medium toughness, hard, End of									
9 CS	60 60			Boring.									
	00												
					CL								
					CL								
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State of Wisconsin Department of Natural Resources	Watershed/Wastewater	Waste Management	MONITORING WELL CONSTR	UCTION
Route To:	Remediation/Redevelopment	Other	Form 4400-113A Rev. 7-9	
Facility/Project Name	Local Grid Location of Well	ПБ	Well Name	
P4 Power Plant	ft. N. Local Grid Origin (estimated:	ft. 🗒 w.	MW-11	T
Facility License, Permit or Monitoring No.	Local Grid Origin 🔀 (estimated:	or Well Location	Wis. Unique Well No. DNR Well N	ıumber
Facility ID	Lat. "Loi			
Tuesticy ID	St. Plane ft. N, Section Location of Waste/Source	ft. E. S/C/N	11/16/2006	
Type of Well		□ E	Well Installed By: (Person's Name a	ind Firm)
Well Code 11/mw	1/4 of 1/4 of Sec Location of Well Relative to Waste/		Tony Kapugi	
Distance from Waste/ Enf. Stds.		idegradient Gov. Lot Number		
Source ft. Apply		lot Known	On-Site Environmental Services	s, Inc.
A. Protective pipe, top elevation B. Well casing top elevation	ft. (NGV D)	1. Cap and lock?		i □ No
B. Well casing, top elevation	ft. (NGVD)	2. Protective cover page 1. Inside diameter		4.0 in.
		b. Length:	_	7.0 ft.
	ft. (NGVB)	c. Material:	 Steel	⊠ 04
D. Surface seal, bottom ft. (NG	/D) or 1.0 ft.	162624 ——————————————————————————————————	Other	2/50/46688
12. USCS classification of soil near screen:		d. Additional prot	tection?	⊠ No
	W⊠ SP□	If yes, describe	* *************************************	
SM SC ML MH C	LO CHO	3. Surface seal:	Bentonite	
	es 🗆 No		Concrete Other	364656546
"	l 1889 18	4 Material between	well casing and protective pipe:	
14. Drilling method used: Rotar Hollow Stem Augustian		4. Waterial between	Bentonite	□ 30
1	er DEL		Sand Other	385490359
		5 Annular space se	al: a. Granular/Chipped Bentonite	
15. Drilling fluid used: Water □ 0 2 A	ir □01		and weight Bentonite-sand slurry	
Drilling Mud □ 0 3 Nor	e ⊠99	cLbs/gal n	nud weight Bentonite slurry	
16. Drilling additives used? ☐ Ye	es ⊠ No	d% Benton	9	□ 50
10. Drining additives used:		××I	volume added for any of the above	
Describe		f. How installed		01
17. Source of water (attach analysis, if required	i):		Tremie pumped	□ 02 図 08
n/a		6. Bentonite seal:	a. Bentonite granules	
104		XXI /	3/8 in. □ 1/2 in. Bentonite chips	
E. Bentonite seal, top ft. (NGV	D) or 0.0 ft.		Other	
	. 1004 10	XX /	d: Manufacturer, product name & mes	sh size
F. Fine sand, top ft. (NGV	/D) or 14.0 ft.	7. Fine sand materia a b. Volume added 8. Filter pack materi	Red Flint #7	
		b. Volume added	ft ³	
G. Filter pack, top ft. (NGV	D) or 15.0 ft.	8. Filter pack materi	al: Manufacturer, product name & me	sh size
II Commission and	170 0	a	Uimen 30/40	
H. Screen joint, top ft. (NGV	D) or 17.0 n.	b. Volume added 9. Well casing:	Flush threaded PVC schedule 40	5 7 3 3
I. Well bottom ft. (NGV	(D) or 32.0 ft s	9. Well casing:	Flush threaded PVC schedule 80	
1. Wen bouldin			Other	655,06069
J. Filter pack, bottom ft. (NGV	(D) or 32.0 ft. (D) or 32.5 ft.	10. Screen material:		
• ,		a. Screen Type:	Factory cut	□ 1 1
K. Borehole, bottom ft. (NGV	D) or 32.0 ft.	7.	Continuous slot	
_		<u> </u>	Other	
L. Borehole, diameter8.3 in.		b. Manufacturer		0.010
220		c. Slot size:		0.010 in. 15.0 ft.
M. O.D. well casing 2.38 in.		d. Slotted length:		13.0 ft. \boxtimes 14
N. I.D. well casing 2.07 in.		11. Dauxini material	(below filter pack): None Other	V2/03/0800
III.			Otto	***************************************
I hereby certify that the information on this form	n is true and correct to the best of my	knowledge.	Date Modified: 11/20/2006	
Signature	Firm NRT		***************************************	Tel·

Please complete both Forms 4400-113A and 4400-113B and return them 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. Personally 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.

Fax:

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

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

Page 1 of 2

Notice: Completion of this accordance with chs. 281, for up to one year, depend purpose. Return form to the	, 289, 29 ling on t	91-293, 295 he program	5, and 299 n and con), Wis. duct in	Stats., volved	failure to Persona	file this form rally identifiable	may result in in information	a forfeiture of between on this form is not in	en \$10-2	5,000, or im	prisonment
F F						R Bureau						
Verification Only	of Fill	and Sea	1	D	rinking	Water		Watershed/V	Vastewater [X Reme	diation/Rede	evelopment
Soil Boring				W	Vaste M	1anageme	ent 🔲	Other:				
1. Well LocationInfor	matior	า					2. Facility	/ Owner In	formation			
County	WI Uni	que Well#	of H	icap #			Facility Nam	е				
Kenosha	Remov	ed Well					Pleasant Pr	airie Power P	Plant Ash Landfill			
Latitude / Longitude (see ir			 Format C	,odo	Motho	od Code	Facility ID (F	ID or PWS)				
42.542306°	isti uctio	,				GPS008	230056310					
-		N	XDI		🗀 :	SCR002	I	mit/Monitorino	g #			
-87.898838°		W				OTH001	2786					
1/4 / 1/4 NW/SE 1/4		Section 16	Town	ship 1	Range	∍ X E	Original Wel					
or Gov't Lot#		16		N	22	W	WEC Energ	• •				
Well Street Address		•					Present Wel WEC Energy					
8000 95th Street								<u> </u>				
Well City, Village or Town				Well 3	ZIP Co	de	333 W Ever	ess of Preseret ett Street	nt Owner			
Pleasant Prairie							City of Prese	ont Owner		State	ZIP Code	
Subdivision Name				Lot #			Milwaukee	ent Owner		WI	53203	;
Decree for Demonstration	0	han i i:	\A/- II	U - f D -		4 \ \ \ / -	4 Pump l	iner Scre	en, Casing & Sea	aling Ma	aterial	
Reason for Removal from	Service	WI Unio	que Well 7	of Re	placem	ient Well		d piping remo		annig ivit		No X N/A
Site Closure			—	. —			Liner(s) re					No X N/A
3. Filled & Sealed We	Ilhole / Bo Original Co					` '	erforated?				No X N/A	
X Monitoring Well	01/14/		,		.,,,,,,	Screen re					No N/A	
Water Well						Casing le	ft in place?		X	=	No N/A	
Borehole / Drillhole	If a Well C		n Repo	ort is av	/ailable,	Was casir	ng cut off belo	w surface?		Yes \\	No N/A	
Construction Type:	picase alla	acii.					Ū	e to surface?	_	=	No N/A	
	D.:: //	0 ! 1	Г				1	ial settle afte			=	No N/A
	Driven (Sandpoint)	L	Dug	9			, was hole ret			=	No X N/A
Other (specify):							1 '	•	used, were they hyd	rated		
Formation Type:							with wate	r from a know	n safe source?	X	Yes 1	No N/A
X Unconsolidated Form	ation		Bedroo	k			Required Me	ethod of Placi	ng Sealing Material			
Total Well Depth From Gro	ound Su	rface (ft.)	Casing Di	ameter	r (in.)		Conduc	tor Pipe-Grav	vity X Conductor	Pipe-Pun	nped	
51.55			2.07				Screer (Bento	ned & Poured nite Chips)	Other (Exp	lain):		
Lower Drillhole Diameter (i	in.)		Casing D	epth (f	t.)		Sealing Mate					
8.3	,		51.55	. `	,			ement Grout		Concrete	е	
							Sand-0	Cement (Con	crete) Grout	Bentonit	te Chips	
Was well annular space gro	outed?	X	Yes	No		Unknown	<u>'</u>	•	Monitoring Well Bore	J		
If yes, to what depth (feet)	?	Depth	n to Water	(feet)			7 —	nite Chips			ment Grout	
		12.20	0					ar Bentonite		nite - Sar		
5. Material Used to Fi	iii Wali	/ Drillhol	0						No. Yards, Sacks			Ratio or
5. Material Oseu to Fi	ili vveii		E				From (ft.)	To (ft.)	Volume (circle	e one)		Weight
Bentonite Grout Cer	ment						Surface	51.55	11 Gallons		11.5 wat	er/ 1.5 grout
6 Comments												
6. Comments												
7. Supervision of Wo			Ţ							DNR Us		
Name of Person or Firm D	•	-	ing Lice	nse#			illing & Sealing	•	on Date Received		Noted By	
On-Site Environmental Se	ervices,	ITIC.					yyy) 08/10/20					
Street or Route						דן	elephone Nun		Comments			
P.O. Box 280			Chata	710	On all a		608)837-8		n 10/2 mls	15	-t- Ci	
City Sun Prairie			State WI	535	Code 590		Observed b	y: K, la	g Work Schaolon		ate Signed 3/25/202	<u>'</u> O

	☐ Haz Waste☐ Wastewater☐ ir☐ Underground Tanks☐ Other [MONITORING WELL CONSTRUCTION Form 4400-113A Rev. 4-90
Facility/Project Name Local G	and Location of Well	Well Name
	5.6 st 2171.1 A	P-1
Facility License, Permit or Manitoring Number Grid Or.	igin Location	Wis, Unique Well Number DNR Well Number
ka 4	2° 31' 32" Long. 87° 53'.	<u>55" a </u>
	e 204785.6 ft. N. 2566270.	
Pierometer 812 Section	Location of Waste/Source	mm dd y y
Distance Well Is From WasterSource Boundary Niv 1/4	of SE 1/4 of Sec. 16 . T. 1 N. R.]	Well Installed By: (Person's Name and Firm)
It. Locatio	n of Well Relative to Waste/Source	Rick Phillips
Is Well A Point of Enforcement Std. Application? u	Upgradient s 🔲 Sidegradient	Fugro McClelland
□ Y≤ 攻No d □	Downgradient n 🛛 Not Known	
A. Protective pipe, top elevation _ 689.96 ft MSL		and lock? Par Yes D No
B. Well casing, top elevation _689.80 ft. MSL	- 1967	ective cover pipe:
•	'	side diameter: 4.0 in.
C. Land surface elevation _687.9 ft. MSL		mgth: _7.♀ft. (aterial: Steel M2 04
D. Surface scal, bottom_ 682.3 ft MSL or _ 5.0 ft		Other D
12. USCS classification of soil near screen:		dditional protection?
GP D GM D GC D GW D SW D SP D	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	(yes, describe:
SWER SC O MLD MHO CL O CH O		n 17 30
Bedrock []	3. Surf	ece seal: Benionite Li 30 Concrete E 01
13. Sieve analysis anached? Yes No		Outer D 238
14. Drilling method used: Rotary 1 50	4. Mai	erial between well casing and protective pipe:
Hollow Stem Auger # 41		Bentonite D 30
Other D		Armular space seal 🔲 👊
		Other 🔲 📆
15. Drilling fluid used: Water 15 02 Air 1 01	ATT	ular space seal: (4cc belaw) Lambilar Bentonia D 33
Drilling Mud 🔲 03 None 🔲 99		Lbs/gal mud weight Bentonite-send sharry [] 35
		Lbs/gal mud weight Bentonite slurry D 3 1
16. Drilling additives used? Yes No	d	% Bentonite Bentonite-cement grout D 50
	e	Ft 3 volume added for any of the above
Describe	f. H	fow installed: Tremie D 01
17. Source of water (attach analysis):	* Boutraile s	cal and unrules seals. Tremic pumped 1 02
Plant wenter to clear bridging	are one con	trinuous soul to grand Gravity & 08
	Surface S	tonite seal: a. Bentonite granules [] 33
E Bentonite seal, top ft. MSL or	fi. b.	12 /4 in. 123/8 in. 121/2 in. Bentonite pellets 12 32
	~ A B B / c_	Other D
F. Fine sand, up 6519 ft. MSL or 360		sand material: Manufacturer, product name & mesh size
(161		Serval Material Co
G. Filter pack, top _6494 ft. MSL or _38.5		Volume addedft ³
(426,	8. File	er pack material: Manufacturer, product name and mesh size
H. Screen joint, top _643.3 ft. MSL or _440		All Purpose Send Co.
(24 0 0 100)	b	Volume added 4 ft ³
1. Well bottom _6389 ft. MSL or _49 .0	9. We	Il casing: Flush threaded PVC schedule 40 E 23
J. Filter pack, bottom 6319 ft. MSL or 49 0		Flush threaded PVC schedule 80 24
J. Filter pack, bottom _Q_Z[]_, R. MSL or _44 .Q		Other D
K. Borchole, bottom 6379 ft. MSL or 50 0	· • • • • • • • • • • • • • • • • • • •	Commenter, 100
K. Borchole, bottom	11.	Screen type: Factory cut [8] 11
1 10 11 11 11 11 11 11 11 11 11 11 11 11		Continuous slot 0 1
L Borehole, diameter 7.25 in.	\ 	Other D 👑
M OD wall posing 7 0 a		Manufacturer Tohn 5 cm Slot size: 0. Q10 in.
M. O.D. well casing _2_0 in.		Slotted length:
N. I.D. well casing 190 in.	\	ekfill material (below filter pack): None D 14
N. I.D. well easing 1.70 in.	11. 52	Courch Sand Other EX
I hereby certify that the information on this form	is true and correct to the hes	
	Form .	
John Just	Woodward Clyo	1c

Please complete both sides of this form and return to the appropriate DNR office listed at the top of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Ad. Code. In accordance with ch. 144, Wis Stats., failure to file this form may result in a forfeiture of not less than \$10,000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than \$10,000 for each day of violation. NOTE: Shaded areas are for DNR use only. See instructions for more information including where the completed form should be sent.

	mento or misc		ral Reso	Route To:	P3 11.	Y Y	_		S	OIL	BORD 400-12	NG L	og n	VFOR		
•				Ources Solid Waste Emergency Respon	se 🛭 Ux	ız. Wası adezgrou	nd Ta	riks	^	MITII 4	400-12	L			1	7-91
				☐ Wastewater	□ W	aier Res	OUTCES	:					Page)	of_	2
	y/Proje					Licens	e/Pem	ui√Mor	utorin	Num	ber	Boring	Numb	<u> </u>		-
	PCO		MR	PPT une and name of crew chief)	3P	Data D		Suma		Dave I	Milling		2-1	D-21/-		
								3/5		21	7 J	至15 全15	2			.00
V-1	190	ه (۱۷)	Clel	lland						,				24		
	Tach by	V	No. W	I Umque Well No. Common W	TI NEEDIC	Fund 3	URLIC V	Feet M	SL	Surrac	2879	tion Feet A	ASL	Boreho	4 in	ncies ches
Boring	Locati	on cou	76-6	.6 N. 2566270.3	ECIC	NI I	,470	321	32"		Grid Lo	cation	(II app	licable	<u> </u>	
Scale 1	unc_	c	100	N. DOGATOR	_E 3/C/	I I m	, 87º	58'	53"	228	5./. E	B	N c.21	21.1	East	ΣE
Count	_ 1/4 0.	1/	_ 1/4 0	of Section, TN, R_	DNR	County	Code	Civil	lown/	Ciry/ o	r Ville	ge L	32		, rect	<u> </u>
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This f	orm is t	ning	ized by	Chapters 144.147 and 162, Wis. St	als. Com	pletion	of this	s report	is ma	ndator	y. Pan	alties:	Forfei	t not le	.55	

This form is authorized by Chapters 144.147 and 162, Wis. Stats. Completion of this report is mandatory. Penalties: Forfeit not less than \$10 nor more than \$5,000 for each violation. Fined not less than \$10 or more than \$100 or imprisoned not less than 30 days, or both for each violation. Each day of continued violation is a separate offense, pursuant to as 144.99 and 162.06, Wis. Stats.

Page Z of Z

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1 beg Fine send

1 1/4 buckets bentonite pellets

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

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

Page 1 of 2

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: **Drinking Water** Watershed/Wastewater X Remediation/Redevelopment Verification Only of Fill and Seal Soil Boring or Well ID: P-4 Waste Management Other: 1. Well Location Information 2. Facility / Owner Information WI Unique Well # of Hicap # Facility Name County Removed Well Pleasant Prairie Power Plant Ash Landfill Kenosha 2 8 G 2 Facility ID (FID or PWS) Format Code Latitude / Longitude (see instructions) Method Code 230056310 X GPS008 42.535209° X DD License/Permit/Monitoring# SCR002 -87.911285° 2786 W OTH001 1/4 / 1/4 NW/NE Township Range Section Original Well Owner XE WEC Energy Group 21 22 or Gov't Lot # W Present Well Owner Well Street Address WEC Energy Group 8000 95th Street Mailing Address of Present Owner Well City, Village or Town Well ZIP Code 333 W Everett Street 53158 Pleasant Prairie City of Present Owner State ZIP Code Subdivision Name Lot# 53203 Milwaukee WI 4. Pump, Liner, Screen, Casing & Sealing Material Reason for Removal from Service WI Unique Well # of Replacement Well Pump and piping removed? Yes No X N/A Site Closure Liner(s) removed? Yes No X N/A 3. Filled & Sealed Well / Drillhole / Borehole Information
Original Construction Date (mm/dd/yyyy) Liner(s) perforated? Yes No X N/A X Monitoring Well 11/30/2000 Screen removed? X No Yes N/A Water Well Casing left in place? X Yes N/A If a Well Construction Report is available, Borehole / Drillhole please attach. Was casing cut off below surface? X Yes N/A Did sealing material rise to surface? X Yes N/A Construction Type: No Did material settle after 24 hours? X No N/A Yes Dug X Drilled Driven (Sandpoint) If yes, was hole retopped? X N/A Yes No Other (specify): If bentonite chips were used, were they hydrated Formation Type: X Yes with water from a known safe source? X Unconsolidated Formation **Bedrock** Required Method of Placing Sealing Material X Conductor Pipe-Pumped Total Well Depth From Ground Surface (ft.) Casing Diameter (in.) Conductor Pipe-Gravity Screened & Poured 65.50 Other (Explain): (Bentonite Chips) Lower Drillhole Diameter (in.) Casing Depth (ft.) Sealing Materials 8.3 65.50 **Neat Cement Grout** Concrete Sand-Cement (Concrete) Grout **Bentonite Chips** Was well annular space grouted? X Yes No Unknown For Monitoring Wells and Monitoring Well Boreholes Only: If yes, to what depth (feet)? Depth to Water (feet) Bentonite Chips X Bentonite - Cement Grout 15.33 Granular Bentonite Bentonite - Sand Slurry Yards, Sacks Sealant or Mix Ratio or 5. Material Used to Fill Well / Drillhole From (ft.) To (ft.) Volume (circle one) Mud Weight 11.5 water/ 1.5 grout 12 Gallons Surface 65.50 Bentonite Grout Cement 6. Comments **DNR Use Only** 7. Supervision of Work Noted By Name of Person or Firm Doing Filling & Sealing Date of Filling & Sealing or Verification Date Received License # (mm/dd/yyyy) 08/10/2020 On-Site Environmental Services, Inc. Street or Route Telephone Number Comments 608) 837-8992 P.O. Box 280 City State ZIP Code Signature of Person Doing Work Date Signed Observed by: Sun Prairie WI 53590 8/25/2020

State of Wisconsin Department of Natural Resources Route To:	Watershed/Wastewater	Waste Mana	genew (1)	MONITORING WILL	. CONSTRU	CTION
	.Remediation/Redevelopment		•	Form 4400-113A	Rev. 6-97	
Facility/Project Name	Local Grid Location of Well	. [) E.	Well Name	4	
P4 Power Plant Facility License, Permit or Monitoring No.	Grid Origin Location	(Check is	TW cstimated:)	PZ- Wis. Unique Well No [JG 228	A ONK WEITNE	ımber
Facility ID	Lat	, <u>254.2971.9</u>		Date Well Installed	***************************************	
Type of Well	Section Location of Waste/So	urce	,	12/01/	2000	
	NW1/4 of NE 1/4 of Sec	21 T. 1	y. R. 22 0 W	Well Installed By: (Pc		and Firm
Well Code 12/pz. Distance Well Is From Waste/Source	- Location of well relative to	Waste/Source J Sidegradient	714	L. <u>L. Erd</u>	<u>inan</u>	
Boundary APPREXIMATELY 2800 A	d Downgradient n C			Boart Lo	ngyear	
A. Protective pipe, top elevation 68'	S it MSL		Cap and lock?	**************************************	⊠ Yes (J No
	2.00 ft. MSL	2.	Protective cover	• •		
1			a. Inside diamete	r:	*	4.0 in.
	6.5 n. MSL	المحروق ا	b. Length: c. Material:		Steel	
D. Surface scal, bottom ft. MS	Lor . 5.0 n.		o. i-incorregi.			
12. USC classification of soil near screen:		- Aceresia	d. Additional pro	otection?	☐ Yes	
GP GMG GCG GWG S	WO SPO		If yes, describ	t:		•
SMID "SCILIMEM MHD C	J. 13 CH 11	1 🗸 🔪 3.	Surface seal:		Bentonite	
13. Sieve analysis attached? 11 Yes	i. No	3.			Concrete	
14. Drilling method used: Rota		\	Material herwee	n well casing and protec		U
Hollow Stem Aug	zcr Ø41		. Transporter Doctores	- ,	Bentonite	30
OI	ner Q			#30 Sand	Other	⊠
	No Section No No No No No No No	5	. Annular space s	eal: a. Granuta	ir Bentonite	□ 33
15. Drilling Juid used: Water 02 Drilling Mud 03 No	Air 1201	} ඎ ₺		mud weight. Bentonite		
Milling Mad 103 136				mud weight Bent		
16. Drilling additives used?	⊗ No §			onite Bentonite-on volume added for any		T 20
	j		f. How installe		Tremie	O 01
Describe				Tren	nie pumped	
·	-				Gravity	
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E. Bentonite seal, top <u>633</u> ft. MS	erac 0.5 € \$	5		13/8 in. 🗆 1/2 in. Bent		
	SL or54.5 ft.		. Fine sand mater	rial: Manufacturer, proc #7 Badger		
_	or or are		ttb. Volume addo		ت-	:
G. Filter pack, top <u>کی کی ۱</u> ft. MS	SL or <u>56.5</u> it.		•	erial: Manufacturer, pro		nd mesh si:
II. Screen joint, top <u>128.5</u> ft. Ms	SI, or	111/	a b. Volume adde	#30 American Material		~ <u>-</u>
	SL or 63.5 ft.	- 3 / 9). Well casing:	Flush threaded PVC	schedule 40	
_				Flush threuded PVC		22.5
	SL or 65.0 A.		0. Screen material	I:PVC		
K. Borchole, bottom 621.5 R. M.	SL or <u>65.0</u> ft.		a. Screen Type		Factory cut ntinuous slot Other	0 01
I Borchole, diameter in.			b. Manufacuir	er <u>Boart Longye</u> s	ar	
M. O.D. well casing 2.37 in,			 c. Slot size; d. Slotted leng l. Backfill materi 	gh: al (below filter pack):		0.010 in. 5.0 it. 🖾 14
N. L.D. well easing 2.06 in.		•		(vere / resur prote).		
I hereby certify that the information on th	is form is true and correct to the	e best of my know	ledge.			
Significa	Firm Boart		10450		Tal. (71=	1750 7000
Organical Karty Al	COALL	TOURS YORK	1277 F. L. 1 . T. C		Tel: (715)	1077-1070

101 Alderson St. Schofield, WI 54476

Fax: (715)355-5715

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 this 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and th. NR 141, Wis. Adm. Code. In accordance with this. 281, 282, 291, 292, 293, 295, and 299, Wis. Stats, failure to file these forms may result in a forfeiture of heriveen \$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

SOIL BORING LOG INFORMATION

Department of Natural Resources								F	orm 44	00-122			Rev	, 5-97			
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Facility/	Project Ower						License/	Perinit	Monito	ring Nu	nıber		Boring	Numbe	PZ-	4	
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I here	by cuit	ily tha	it the int	ormatio	on on this form	is true and correct to the	best of my	knowl	edge.								

•	-	
		
Signature 14	Pirm Boart Longyear	Tel: (715)359-7090
	101 Alderson St. Schoffeld, WI 54476	5 Fax: (715)355-5715

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SOIL BORING LOG INFORMATION SUPPLEMENT Form 4400-122A Rev. 5-97

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Sau	nple									Soil	Prop	erties		
Number land Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	uscs	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Płasticity Index	P 200	RQD/ Comments
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