Grittner, Paul V - DNR

From: Kurt McClung < kmcclung@setenv.com>
Sent: Tuesday, November 28, 2023 3:10 PM

To: Grittner, Paul V - DNR

Subject: RE: Path Forward regarding BRRTS # 02-41-560089; FID #241063570 Norwich Ave, St. Francis

Attachments: logs and construction forms.pdf; DF Cross Sections.pdf

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Hi Paul:

This is incomplete, but I have some of the boring logs, some of the construction forms, and cross-sections from DF.

If I find anything else today, I'll send it.

Thanks,

Kurt McClung Office 414 225-0592 Mobile 262 853-1196

From: Grittner, Paul V - DNR < Paul. Grittner@wisconsin.gov>

Sent: Monday, November 27, 2023 5:07 PM **To:** Kurt McClung <kmcclung@setenv.com>

Subject: RE: Path Forward regarding BRRTS # 02-41-560089; FID #241063570 Norwich Ave, St. Francis

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Kurt,

Boring log, well construction forms, and well development forms for the borings and wells advanced on Kitzinger would be helpful.

Cross-section figures generated for the Kitzinger site would also be a useful reference.

Thanks.

We are committed to service excellence.

Visit our survey at http://dnr.wi.gov/customersurvey to evaluate how I did.

Paul Grittner

Phone: (414) 405-0764 paul.grittner@wisconsin.gov

From: Kurt McClung < kmcclung@setenv.com>
Sent: Monday, November 27, 2023 4:27 PM

To: Grittner, Paul V - DNR < Paul.Grittner@wisconsin.gov >; mhiggins@completerecyclingservices.com; mberzowski@hotmail.com; Nancy M. Bonniwell < nbonniwell@vonbriesen.com >; Mylotta, Pamela A - DNR < Pamela.Mylotta@wisconsin.gov >

Subject: Path Forward regarding BRRTS # 02-41-560089; FID #241063570 Norwich Ave, St. Francis

CAUTION: This email originated from outside the organization.

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I attached current tables and figures for the former Kitzinger property. If you're able, I encourage all to review the information before our meeting on Wednesday.

If there are any questions, please call me.

Thanks,

Kurt McClung, PG, PE Senior Engineer Office 414 225-0592 Mobile 262 853-1196



735 North Water Street, Suite 510 Milwaukee, Wisconsin 53202

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐ Remediation/Redevelopment ☒ Other ☐	
	of 1
Facility/Project Name License/Permit/Monitoring Number Boring Number	
Former DF Property Boring Drilled By: Name of crew chief (first, last) and Firm Date Drilling Started Date Drilling Completed	P-1 Drilling Method
Tony Kapugi	Drining Method
On-Site Énvironmental Services 9/17/2012 9/17/2012	direct push
WI Unique Well No. DNR Well ID No. Common Well Name Final Static Water Level Surface Elevation Bo Feet Site Feet Site	2.0 inches
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State Plane N, E S/C/N Lat N	<u>□</u> E
NW 1/4 of NE 1/4 of Section 22, T 6 N, R 22 E Long ' ' Feet S Facility ID County County Code Civil Town/City/ or Village	Feet W
Milwaukee 41 St. Francis	
Sample Soil Properties	
Soil/Rock Description	
And Geologic Origin For Solution Soluti	ents
Number and Type Length Att. & Recovered (in) Blow Counts Blow Counts Depth In Feet Depth In Feet U S C S Graphic Log Well Diagram PID/FID Compressive Strength Moisture Content Liquid Limit Plasticity Index	P 200 RQD/ Comments
	<u>4</u> 80
GP 23 U E dry	
CHARRED WOOD, dk black-brown, dry	
FILL, white gravel, dk red wood chips	
E ₄	
2 GP 60 P 5 U	
S = 6 CH TV Fil I it soon come Changes	
H SILTY FILL, it grey, some fiberous ML XXX 493	
SILT, med brown-grey, med dense, damp	
	Lab sample
3 60 P = 10 SILT, It tan-brown, some red mottling,	
3 GP 60 P SILT, It tan-brown, some red mottling, med dense, moist ML 268	
Groundwater at approx. 12' FINE SANDY SH.T. Is too begin mad. 485	
13 FINE SANDI SILI, it tan-brown, med	
SM SM	:
FOR at 15! Abandoned with 3/8"	
EOD at 15. Abandoned with 5/6	
bentonite chips.	
I hereby certify that the information on this form is true and correct to the best of my knowledge.	
Signature Longuette Pirm Sigma Environmental 1300 W Canal St Milwaukee WI 53233	

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.

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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hereb	y certif	fy that	the inf	ormation o	on this form is tr	ue and correct to the	best of my	knowle	edge.								

Signature Sigma Environmental 1300 W Canal St Milwaukee WI 53233 Tel: 414-643-4200 Fax: 414-643-4210

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.

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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SOIL BORING LOG INFORMATION

Form 4400-122

Rev. 7-98

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122

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SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

		Ro		/astewater □ /Redevelopment ⊠	Waste Other	_	ement								
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Signature	H y that		(flows) COARSE-MED S med dense, wet EOB at 16'. Abane bentonite chips.	doned with 3/8"					V					Tr.l.	114-643-4200

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r ed	Att	Cour	In F	And Geologic Orig	-		S	ပ္	E	A	essiv	ire it		ίτ		ents
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Each Major U	nit		SC	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
7 8	48	P	LÃ	CONCRETE, building sla	ıb.		GW	5 7	βΩ	Id	S C	Σŏ	<u> </u>	IA LI	<u>~</u>	జైర
GP	38	US	F	COARSE SAND (fill), me		tan,	sw									
		H	-1.5	loose, dry						0						
			E	SILTY CLAY, med grey- red-brown mottles, very d		me [CL-MI	mm		0						
			-3.0	Trine Sand (fill - possib		, , ,	SW				***************************************					
2	48	P	E	\sand), black, loose, dry	_					0						Lab sample
GP	42	U S	4.5	SILTY CLAY, It and med gravel, med dense, dry	l grey, son	ne	CL-MI									isac sample
		H	F	graver, med demoe, dry												
			-6.0	FINE SAND, med brown-	-red, some	,				0						
			-7.5	gravel, loose, dry												
3 -	48	P	F '	damp, coarser sand			sw			0						
GP	41	Ŭ S	F -9.0	damp, courser sand												
		H	E													
			- -10.5	COARSE SAND, med bro	own-grey,	loose,				0						
			F	wet Groundwater at approx. 10	0.5'		SW									
4	48	P	12.0				247			0						
GP	48	U S	Ē	(flows)			ML	<u> </u>		0						
		Н	—13.5 —	COARSE SAND, med browet	own-grey,	loose,	sw			Ů						
			F				0 .,									
			-15.0	FINE SAND, med grey, lo	ose, wet		sw			0						
1			-	EOB at 16'. Abandoned w	ith 3/8"			****								
				bentonite chips.												
I herel	y certif	y that	the info	rmation on this form is true and cor	rrect to the b	est of my k	nowle	dge.								<u> </u>
Signat	ure	2 17		. \$//	Firm Sign	na Envii	ronme	ental	- LUÇI						Tel: 4	14-643-4200
	12	$\exists \mathcal{C}$	220	wall.		W Canal			WI 53	233						14-643-4210

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State of Wisconsin	
Department of Natural	Resources

SOIL BORING LOG INFORMATION Form 4400-122 Rev. 7-98

	Route To: Watershed/Wastewater Waste Management Remediation/Revelopment Other Management																		
							_	_							Page		of _	3	
		ma	- K,	tzi		Iti		Licer	ise/Pe	mit/M	onitori	ng Nur	nber	Borin	g Num	ber	PI	7 -	_/
	it Name:	ADA		Last N	w Chief (fir: Name: Su Env110		m O	Date $\frac{\int \int}{\mathbf{m}} \frac{d\mathbf{m}}{\mathbf{m}}$	21	g Start			Drillin;		pleted / <u>S</u> _y	Drillin Dec	ng Met	ing i	
	Unique				Well ID No.	Well Name	<u> </u>			Water Feet I			ce Elev	ation Feet	MSL	Boreh		ameter nches	
Loca	al Grid Plane	Origin	☐ (es	timated	. D) or] N,	Boring Location	ı 🗖 E	1	_aı	0	1 11	Local	Grid I	ocatio		L		D E	
Faci	1/4 o lity I D	f	_1/4 of	Section		N, R	IC	Los ounty C			Town/	Cinylo		eet 🗆				U W	
					County	want	عور ا	ounty C	ode	Civil	1 OWII/	City/ o	T VIIIA	ST 1		nco	ج ٬		
_ <u>Sa</u>	mple ප් (වූ	S	ot urface)		Soi1/E	Rock Descriptio	.							Soil	Prope	rties	_		
Number and Tyme	、リラマ		Depth in Feet (Below ground surface)		And Go	cologic Origin I ch Major Unit			uscs	Graphic	Well Diagram	PID/FID:	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments	
			F	3 In	cheogr	ass 100t N	cottes	Dak					U						
	3		E`			WED By !	209	uf						,					
			E_		t was		,5/18	RH Q	4										
	2	nche		No	odor,	to Dry t brown, Lowel	ac ac	3											
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2	ine	pe		< '	Soo	_						l							
		٠																	
			E.																
here Signat		ify the	it the in	nforma	tion on this	form is true a		t to th	best					- 1	0				
.0		6	X	//\ <i>l</i> h	1 1/1 MA	and har	21/ 1	//	() I	ロコア	$n \cap$	l h	0 0 17	$I A \Lambda$	A/I				

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Sar	nple					T		, , ,	, 	Soil I	rope	rties		
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	sosn	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
	24			Saa, Increase Moistness of Depth, low plac										
	1			Saauftroce orange & Sroun Mottung						-				
	+			Saa of group Mottling only -16 Saa, no mottling Slight color change to groupsh Brown										
	√			-18 Saa-							í			
	↓			5aa -22										
	1			Saa Saa										
	1			5ao-										
	1			Sac		_								

GP17-1

Page 3 of 3

						יייכ			Page of						
Sar	nple					1			Soil Properties						
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit		Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments	
	计			First 12 inches, SAA, Changeto oute group SIH y Clay Moist to Duy uf Deptk Low place											
	1			Saa (litegray,,,)											
	V			-34 Saa, @ 35.5 SAA W trace Sand, Trace gravel -36 Lite gravelay Moist to Stiff, Lowplac											
	L			-38 Sac											
	↓			-40 Change to MOIS + Gray Glay, Stiffness ul Depth -42											
C	12	\supset		-45 DEXD45/bgs											
	↓			46											

State of Wisconsin	
Department of Natural	Resources

SOIL BORING LOG INFORMATION Form 4400-122 Rev. 7-98

	Route To: Watershed/Wastewater Waste Management Remediation/Revelopment Other																
														Page		of _	3
Facil	ity/Proj	ect Na	me K	4211	izer D	t	Lice	nse/Per	rmit/Me	onitori	ng Nur	nber	Borin	g Num		01	7,2
	ng Drill Name:	ed By ADA	Name	e of crev Last N	w chief (first,) ame: Swe Environ	~ ~	Date	Drillin		Drilling	g Com	pleted / S y y	Drilling Method				
	Jnique V			DNR V	Vell ID No.	Well Name	Fina	Final Static Water Level Surface Elevation Borehole									
Loca	l Grid C Plane	Origin	☐ (es		D) or Bor	ing Location F	<u>-</u>	Feet MSL Feet MSL inc						nches			
	1/4 of1/4 of Section, TN, R					L	ong	0 '				eet 🗆	IN IS _		_ Feet	DE DW	
Facil	acility ID County (Warkle)						County	Code	Civil	Town/	City/ o	т Villa	ge ST 1	fra	nco	, <u>c</u>	
Sar			face)											Prope		_	
Number and Type	ت يا	Blow Counts	Depth in Feet (Below ground surface)		And Geole	k Description ogic Origin For Major Unit		USCS	Graphic	Well Diagram	PID/FID:	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			E	•		r, I inch	-1										
	3		E		rss, 2 JP Soir	inches											
			E				· - 1										
			E	to	Chung Dus cl	es to Mu lay cru	uble										
	2				, 0	\mathcal{O}		P									
			Ē														
			E	-45	Sacr,	moist to											
	8			54	LEF L	ow place											٠
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			Ē	6	س												
	8																
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				7				لبا									
l heret Signati		ity tha	it the ir	oformat	ion on this fo	rm is true and co	Firm	pe best		know				44 /	<u></u>		

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Page 2_ of 3_

				Soil Properties										
Number and Type	Length Att. & od 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		Plasticity and Index	P 200	RQD/ Comments
	24)			Saa, trace orange & gray Mottline Lowplace	-			П	0,					
ı	1			Saa no nottling cobr change to grayish brown										
	7			Sa-										
	4			Saa-	-									
	4			500										
	\		- - -	Sacross bas very moist to pliable										
	4			"proping ceke"										
	J		-	Bock to Moist gray cley low plac Saa										

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		_			_		<u></u>		r	Coil I	rope	tion		
Number and Type Ball Length Att. & Do	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	Plasticity no Index	P 200	RQD/ Comments
2				520- 32										
				5aa-										
				See- -36										
				Sac -38 Stiffness uf Depth V										
*				-40										
1	ν 			50° -42 Saa-										
				Saaren B 45										
				-46				-				,		
								·						

State of	Wisconsin	
Departm	ent of Natural	Resources

SOIL BORING LOG INFORMATION Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater Waste Management Remediation/Revelopment Other Description											
								Page		_ of _	2
Facility/Project Name Former K. +ZInger Site	Licens	se/Per	mit/Mc	mitorin	g Nun	nber	Borin	g Num	ber (PI	7-
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: ADAM Last Name: Survey Firm: Hollzo Environmenta.		Date Drilling Started Date Drilling Completed Drilling Meth							hød		
WI Unique Well No. DNR Well ID No. Well Name	Final S	Freet MSL Surface Elevation Boreho Feet MSL Feet MSL							ole Diameter inches		
Local Grid Origin (estimated:) or Boring Location State Plane N, E	L	Lat n Local Grid Location									
1/4 of1/4 of Section, TN, R	Lon		0 '				eet 🗆	•		_ Feet	D E D W
Facility ID County County C	County C	ode 	Civil	Town/0	City/ o	r Villa	ge ST 1	ra	700	2	
Sample 8								Prope	rties		
Number and Type Length Att. & Becovered (in) Blow Counts On Depth in Poet (in) Poet		uscs	Graphic Log	Well Diagram	PID/FID:	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
Fill, Wood Chunks, Is Foundry Sand RED Brick, Slave (12) followed By woist to Stiff to 2 orange mottling) Hoist to Stiff Saa (no nottling) Hoist to Stiff Soa Soa											
I hereby certify that the information on this form is true and corrections and the second sec	Finh	Dest	JI IIIY	MUIM	icuge.	·					

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

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C) v rage A of D	`
Number and Type Recovered (in) Blow Counts Blow Counts Depth in Feet Liquid Liq	Comments
300 10 300 12 500 13 500 500 500 500 500 500 500 50	

State of Wisconsin Department of Na	te of Wisconsin partment of Natural Resources						-	SOIL BORING LOG INFORMATION Form 4400-122 Rev. 7-98							
	Rou		Vastewater Waste /Revelopment Ot									2			
Facility/Project N	ame	tainser &	-0- .	Licen	se/Per	mit/Mo	onitorir	ig Nur	nber	Borin	g Num	ber	012	1.	
Boring Drilled By First Name:	/: Name	e of crew chief (first, l	eel .	Date Drilling Started				Date Drilling Completed				Drilling Method			
	Firm: Houze Environmental, WI Unique Well No. DNR Well ID No. Well Name					m m d d y y y y Final Static Water Leve								ameter	
Local Grid Origin (estimated:) or Boring Location State Plane N, E					Feet MSL				Local Grid Location				inches		
1/4 of	1/4 of1/4 of Section, TN, R				ng	0 '				eet 🗖	N S_			□ E □ W	
Facility ID		County	Jankee.	ounty C	ode	Civil	Town/	City/ o	r Villa	ST 1	ra	100	S		
Sample s	et nurface)	Soil/Roo	k Description						8)		rope	rties			
Number and Type Length Att. & Recovered (in Blow Counts	Depth in Feet (Below ground surface)	And Geol	ogic Origin For Major Unit		uscs	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments	
24)		Saa L Saa L Saa S Saa S													
	at the i		orm is true and correct												
Signature (X	N Och and	1. (44)	Firm /	A .	1 K	in a	n 1	1 1	10	0				

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Page 2 of and Type can Ength Att. & dar Recovered (in) Soil Properties Compressive Strength Depth in Feet Blow Counts Soil/Rock Description RQD/ Comments Number and Type Moisture Content And Geologic Origin For Plasticity Index Well Diagram uscs PID/FID Graphic Log Liquid Limit Each Major Unit P 200

	Vatershed/Wastewater Remediation/Redevelopment	Waste Mana t⊠ Other □ _	ngement []	MONITORING WELL CONSTRUCTION Form 4400-113A Rev. 7-98
	T		ПВ	Well Name CMW-Y
	Local Grid Origin (est	imated: or Long.	································	Wis. Unique Well No. DNR Well ID No.
Facility ID		t. N,	ft. E. S/C/N	Date Well Installed 1279017
	Section Location of Waste/	Source		m m d d v v v y
Type of Well	1/4 of 1/4 of S	ec,T	N. R	Well Installed By: Name (first, last) and Firm
Well Code/	Location of Well Relative t		Gov. Lot Number	19914 60007
Distance from Waste/ Enf. Stds. Sourceft. Apply _	u ☐ Upgradient s d ☐ Downgradient n	☐ Sidegradient☐ Not Known		Torizon "
A. Protective pipe, top elevation	ft. MSL ———		. Cap and lock?	☐ Yes 🔯 No
B. Well casing, top elevation	ft. MSL		 Protective cover p a. Inside diameter 	
<u>u</u>	6 MCT		b. Length:	
C. Land surface elevation	7th MSL		c. Material:	Steel D 04
D. Surface seal, bottom ft. MS	Lor Y Y ft.			Other 🗆 💮
12. USCS classification of soil near screen	ı:	II Associate	d. Additional prof	ection? 🗆 Yes 🕅 No
GP □ GM □ GC □ GW □ S	W SP CH CH CH		If yes, describe	·
	L ZO CH 🗆		S. Surface scal:	Bentonite 2 30
Bedrock □ 13. Sieve analysis performed? □	r 102			Concrete 0 1
	Yes IZV No	 		Other 🗆
	ary □ 50	₩ ₩ ⁴	. Material between	well casing and protective pipe: Bentonite 2 30
Hollow Stem Au	iger Lor4: I ther □			Other 🗆
	inci — mi	# .	. Annular space sea	- 4 (mt) (m)) [7]
15. Drilling fluid used: Water □ 0 2	Air □ 01		. Amular space sea	ud weight Bentonite-sand slurry □ 35
Drilling Mud 🗆 0 3	Tone DY 99			and weight Bentonite slurry 31
			d % Benton	te Bentonite-cement grout 5 0
16. Drilling additives used?	Yes 15¶ No		e. 1.987 Fr	volume added for any of the above
Describe			f. How installed:	
Describe	irod):			Tremie pumped 🔲 02
17. Source of water (attach analysis, it requ	iroa).			Gravity □ 08 a. Bentonite granules □ 33
<i>N</i>			5. Bentonite seal:	3/8 in. \square 1/2 in. Bentonite chips \square 3 2
E. Bentonite seal, topft. MS	L orft		c	Other 🗆 🏬
F. Fine sand, top ft. MS	^ ~ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		Fine sand materia	l: Manufacturer, product name & mesh size
G. Filter pack, top ft. MS	Lor_0/_5_ft.		b. Volume added	
	5	園 園 8	8. Filter pack materi	al: Manufacturer, product name & mesh size
H. Screen joint, top ft. MS	Lor ft.		a. K.W. > ' b. Volume added	10.675 f.3
I. Well bottom ft. MS	Lor D ft.		b. Volume added O. Well casing:	Flush threaded PVC schedule 40 🔯 23
1. Won bonom				Flush threaded PVC schedule 80 24
J. Filter pack, bottom ft. MS). Screen material:	Other 🗆 🎎
K. Borehole, bottom ft. MS	Lor_18_ft.	*	a. Screen type:	Factory cut 💢 11
765 8			71	Continuous slot 🗀 01
			b. Manufacturer	MONOFLX Other D
M. O.D. well casing	·		c. Slot size: d. Slotted length:	0. <u>Olo</u> in.
N. I.D. well casing 20 in.		1:		(below filter pack): None D 14
				Other 🗆 🌉
I hereby certify that the information on this	form is true and correct to t	the best of my kno	wledge.	
Signature	Firm	1/4/	Larun	lein
			(VIJI'C	

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and buresu. 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.

_	Watershed/Wastewater Remediation/Redevelopm		agement	MONITORING WELL CONSTRU Form 4400-113A Rev. 7-98	CTION
	Local Grid Location of		ft. □ E.	Well Name KMW-5	
	Local Grid Origin Lat.			Wis. Unique Well No. DNR Well II) No.
Facility ID	St. Plane	ft. N,	ft. E. S/C/N	Date Well Installed 1 d 7 d 0	17
Type of Well	Section Location of Wa	ste/Source	Пв	m m d d v v Well Installed By: Name (first, last) a	
Well Code/		of SecT	_ N, R 🛮 🕏	Adam Sweet	and I mm
Distance from Waste/ Enf. Stds.	Location of Well Relati u Upgradient	ve to Waste/Source s Sidegradient	Gov. Lot Number	111	
Sourceft. Apply	d Downgradient		·	HOVIZON	
	ft. MSL —		1. Cap and lock?	⊠/Yes □	No
• • • •	ft. MSL		2. Protective cover p	pipe:	,
B. Well casing, top elevation	IL IVISL	1HD	a. Inside diameter		1_ in.
C. Land surface elevation	ft.MSL		b. Length:	51	ft.
D. Surface seal, bottom ft. MS	. 05.		c. Material:	Steel 🔀	
				Other □	1
12. USCS classification of soil near screen		"NI N	d. Additional pro-	~	No
	SW D SP D N SL Ø CH D		If yes, describe		£ 2.0
Bedrock	L W CII L		3. Surface scal:	Bentonite D	
	Yes DWNo			Concrete	2000000
· · · · · · · · · · · · · · · ·	· ·	 		Other □	ı 🎆
	ary □ 5 0	***************************	4. Material between	well casing and protective pipe:	1/ 20
Hollow Stem Au	iger 20,41 ther □			Bentonite 💆	
	iner 🗀 💥			Other D	-54-5-44-
15. Drilling fluid used: Water □ 0 2	Air □ 01		5. Annular space sea		
Drilling Mud 🗆 0 3 N	Ione X 99			and weight Bentonite-sand slurry	
	,			and weight Bentonite slurry \square te Bentonite-cement grout \square	
16. Drilling additives used?	res 🔼 No		d	volume added for any of the above	1 20
	′			·	01
Describe			f. How installed:	Tremie pumped	
17. Source of water (attach analysis, if requ	ired):			Gravity	~ -
X	·		6. Bentonite seal:	a. Bentonite granules	
				3/8 in. 1/2 in. Bentonite chips [2]	_
E. Bentonite seal, top ft. MSI	L or		c	Other	
F. Fine sand, top ft. MSI	L or _ 2 - 0 _ ft.			l: Manufacturer, product name & mes	446
C Files of MC	Lor_2.5_ft.			il Gid 3	
G. Filter pack, top ft. MSl	ror_s m.		b. Volume added		
H. Screen joint, top ft. MSl	Lor 5 ft.			al: Manufacturer, product name & me	
				oid ky 19.875 ft ³	<u>Q</u>
I. Well bottom ft. MSI	L or _ <u> 8</u> ft		b. Volume addedO. Well casing:	Flush threaded PVC schedule 40	1 23
				Flush threaded PVC schedule 80	
J. Filter pack, bottom ft. MSI	Lor 18 ft.	イ厚し		Other	- www.
		10	D. Screen material:		
K. Borehole, bottom ft. MSI	Lorft		a. Screen type:	Factory cut	1 11
•			7 F	Continuous slot	F
L. Borehole, diameter 5.375 in.		1		Other 🗆	0.1
1 320			b. Manufacturer	Monotter	î 0 in.
2			c. Slot size:d. Slotted length:	 -	5_ ft.
N. I.D. well casing		13	l. Backfill material (below filter pack): None 🖫 Other 🗆	
I hereby certify that the information on this	form is true and correct	to the best of my/kno	wledge.		
Signature	Firm		99 Me	151-	
1/2·1)/	1	$V \cap I \cap I$	41411W	1 1 1 7	

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	Vatershed/Wastewater	Waste Mana		MONITORING WELL CONSTRUCT Form 4400-113A Rev. 7-98	IION
Facility/Project Name	Remediation/Redevelopment Local Grid Location of Well			Well Name 4 / / / /	
Former Kitzing Sit	ft.	N. □S	ft. E. ft. W.	K/WW-6	
Facility License, Permit of Monitoring No.	Local Grid Origin 🔲 (esti			Wis. Unique Well No. DNR Well ID N	lo.
Facility ID		. N,	ft. E. S/C/N	Date Well Installed, 12 2/2 CI	_
	Section Location of Waste/S			$\frac{1 U / 4 / 7 / 4 U U}{m m d d v v v}$. <u>~</u>
Type of Well	1/4 of 1/4 of Se		N, R	Well Installed By: Name (first, last) and	Firm
Well Code/	Location of Well Relative to		Gov. Lot Number	Adam Jureet	
Distance from Waste/ Enf. Stds. Sourceft. Apply	u □ Upgradient s	☐ Sidegradient☐ Not Known		HO1, 201	
	ft. MSL		. Cap and lock?	☐ Yes 🛛	No
IL I toward pipe, top ole taken		2	. Protective cover p	oipe:	,
B. Well casing, top elevation	ft. MSL	HI	a. Inside diameter	: _ <u>_</u>	in.
C. Land surface elevation	ft. MSL		b. Length:	المراجعة ا	_ft.
			c. Material:	Steel 💆	04
D. Surface seal, bottom ft. MS	\$2400000 N			Other 🗆	
12. USCS classification of soil near screen		I X	d. Additional pro	<i>p</i>	No
GP GM GC GW S SM SC ML MH C		/ /	If yes, describe		
Bedrock		¶ 🖾 \ `3	. Surface scal:	Bentonite 🔀	30
1	(es DD∕No				01
T -	/ 1 188	1 🔛 `.		······································	
1	ary ☐ 50	4	. Material between	well casing and protective pipe: Bentonite	30
Hollow Stem Au	ger 12041 m				
	nei 🗆 🚃			and desired the second to provide the second to the second	3 3
15. Drilling fiuid used: Water □ 0 2	Air □ .01	, W	. Annular space sea		35
	Ione 15/99	§ 88 1		Idd Acienti	31
					50
16. Drilling additives used?	7es DVNo		1.4898 E.	volume added for any of the above	20
			How installed:	·	01
Describe		3 88 '	, now instance:		02
17. Source of water (attach analysis, if requ	ired):	8 ₩		A	08
\vee		9 🕅 6	. Bentonite seal:		33
			b. □1/4 in. □	3/8 in. 1/2 in. Bentonite chips [3]	32
E. Bentonite seal, top ft. MS	Lor 🔑 📐 _ft. 💢		C	Other	
) \ W		Fine cand materia	il: Manufacturer, product name & mesh	eize
F. Fine sand, top ft. MS	Lor_Cft.			- ////	612C
	9.5		a. 0 10	0 (1 5 2	16
G. Filter pack, top ft. MS	Lor discrete		b. Volume added		
) <u>\</u> [-// /	al: Manufacturer, product name & mesh	20000
H. Screen joint, top ft. MS	LOTII.		a. R. W.		2 5
I. Well bottom ft. MS	Lor_ 8ft.		ь. Volume added . Well casing:		23
1. Well boltom	- LQ II		. Wen casing.	_	24
J. Filter pack, bottom ft. MS	Lor 18 A-				2 T
J. Finer pack, bottom	. 2	10	. Screen material:	Other D	
K. Borehole, bottom ft. MS	Lor X ft.	10	a. Screen type:	Factory cut	11
			a. Sciectitypo.		01
L. Borehole, diameter \$375 in.				Other 🗆	31
		\	b. Manufacturer	MBn/2 4 200	200200
M. O.D. well casing 2375 in.		\	c. Slot size:	0.016) in.
		\	d. Slotted length:	<u>-15</u>	_ ft.
N. I.D. well casing $\lambda = 0$ in.		11	. Backfill material	(below filter pack): None 🖾	14
Alternative and a second			•	·	
I hereby certify that the information on this	form is true-and correct to the	e best of my knov	yl€dge.		
Signature	Firm			^	
41		シート	-Ngine		

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and buresu. 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.

	Vatershed/Wastewa Remediation/Redev	ater Waste Marketen Country	anagement	MONITORING WELL CONSTE Form 4400-113A Rev. 7-98	
Facility/Project Name	Local Grid Location	on of Well Day		Well Name KPZ-	
HORAN CITZINISITE		on of well □ N. ft. □ S	ft. 🛮 E.	, , , ,	
Facility License, Permit or Monitoring No.	Local Grid Origin	(estimated: 1) (or Well Location or	Wis. Unique Well No. DNR Well	1 ID No.
Facility ID	St. Plane	ft. N,	ft. E. S/C/N	Date Well Installed	717
Type of Well	Section Location of	of Waste/Source	N.R. B	Well Installed By: Name (first, las	
Well Code/	1/4 of	_ 1/4 of Sec, T	- 7 - 7	Adam sweet	
Distance from Waste/ Enf. Stds.	Location of Well I u Upgradient	Relative to Waste/Source s Sidegradie	Gov. Lot Number	100/100	
Sourceft. Apply		ient n 🗆 Not Know		HOP - 301	
	ft. MSL		1. Cap and lock?	☐ Yes	No No
A. Protective pipe, top elevation	_		- 2. Protective cover	oipe:	
B. Well casing, top elevation	ft. MSL -		a. Inside diameter	: :	_& _ in.
C. Land surface elevation	ft. MSL		b. Length:	-	<u>اري َ</u> ft.
	105		c. Material:	Steel	Ø 04
D. Surface seal, bottom ft. MS				Other	1000
12. USCS classification of soil near screen		Land Mark	d. Additional pro		i ⊅ No
GP GM GC GW S	SW_D_SP_D		If yes, describe		4
SM □ SC □ ML□ MH□ C Bedrock □	CLXX CH 🗆		3. Surface scal:	Bentonite	
	Yes ⊈/No			Concrete	
· -	7		\	Other	П 🊃
	tary [] 50		4. Maieriai Detween	well casing and protective pipe: Bentonite	30
Hollow Stem Au	ther			Other	- :0000000
	mer — mm				
15. Drilling fluid used: Water □ 0 2	Air □ 01		5. Annular space se	at: a. Grandian Compped Bentomic and weight Bentonite-sand slurr	
	None [5] 99			and weight Bentonite slurry	
				ite Bentonite-cement grou	
16. Drilling additives used?	Yes ⊠No			volume added for any of the above	
			f. How installed:	rr	
Describe			1. How manners	Tremie pumped	02
17. Source of water (attach analysis, if requ	iired):		•	Gravity	
			6. Bentonite seal:	a. Bentonite granules	s 📋 33
			b. □1/4 in. 🕅	3/8 in. □1/2 in. Bentonite chips	s □ 32
E. Bentonite seal, top ft. MS	Lor <u>V</u> ft.,	、 	с	Other	*******
F. Fine sand, top ft. MS			7. Fine sand materia	li: Manufacturer, product name & 1	mesh size
	Lor 26 ft.		b. Volume added		
H. Screen joint, top ft. MS			a. R.W.	ial: Manufacturer, product name &	mesn size
I. Well bottom ft. MS	Lor_3 <u>8</u> _ft.		b. Volume added9. Well casing:	Flush threaded PVC schedule 40	
J. Filter pack, bottom ft. MS	L or }			Flush threaded PVC schedule 80 Other	90000
K. Borehole, bottom ft. MS	L or _ <u> </u>		10. Screen material: a. Screen type:	Factory cut	
L. Borehole, diameter Sellin.				Continuous slot Other	
		\	b. Manufacturer	Monoflex	
M. O.D. well casing 2.375 in.		\	c. Slot size:). <u>0 (o</u> in.
N. I.D. well casing 2.0 in.		`	d. Slotted length		_10_ft.
			11. Backfill material	(below filter pack): None Other	2 Ø 14 □ <u>88</u>
I hereby certify that the information on this	form is true and co	prrect to the best of my kr	nowledge,		
Signature	Fir	om C	Engin	orics	

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State of Wisconsin Department of Netural Resources Route to: V	Vatershed/Wastewater	Waste Ma	nagement	MONITORING WELL CONSTRUCTION Form 4400-113A Rev. 7-98		
Facility/Project Name	Remediation/Redevelopme Local Grid Location of W	ent 🔀) Other 🔲 Vell 🗆 N		Well Name KPZ-2		
Former Est Zuger Site		Ţr. □ Ş	ft. E.			
Facility License, Permit or Monitoring No.	Lat,	estimated: 🔲) o Long	r Well Location or	Wis. Unique Well No. DNR Well ID No.		
Facility ID		_ft. N,	ft. E. S/C/N	Date Well Installed 77 3017		
Type of Well	Section Location of Wast	•	ΠE	Well Installed By: Name (first, last) and Firm		
Well Code /	1/4 of 1/4 of			Adam Sweet		
Distance from Waste/ Enf. Stds.	Location of Well Relative u Upgradient	e to Waste/Source s □ Sidegradier	Gov. Lot Number			
Sourceft. Apply		n Not Known	1	H0/1300		
A. Protective pipe, top elevation	ft. MSL ———		1. Cap and lock?	Yes □ No		
B. Well casing, top elevation	ft. MSL	╫┙┡б╱╱	2. Protective cover	· -		
B. Well casing, top elevation			a. Inside diameter			
C. Land surface elevation	ft. MSL	র। <u>।</u>	b. Length: c. Material:	11. Steel ☑ 04		
D. Surface seal, bottom ft. MS	Lor _Q. \(\sum_{\text{tt.}} \)		C. Iviavcilai.	Other 🗆		
12. USCS classification of soil near screen	10 - 10 / 10 mg		d. Additional pro	4400,000		
	W D SP D		If yes, describe	a		
SM SC ML MH C	T 🔁 CH 🗆 │	御留//		Bentonite 🔯 30		
Bedrock 🗆			3. Surface scal:	Concrete 🗓 01		
	čes ⊠(No	 		Other 🗆		
	ary □ 50		4. Material between	well casing and protective pipe:		
Hollow Stem Au				Bentonite 🗗 30		
Oi	ther 🗆 🊃			Other 🗆		
15. Drilling fiuid used: Water □ 0 2	Air □ 01		5. Annular space se	a. Granular/Chipped Bentonite 3 3		
	None 1 99			nud weight Bentonite-sand slurry Bentonite slurry 35		
J = 03 1	7			nud weight Bentonite slurry □ 31 ite Bentonite-cement grout □ 50		
16. Drilling additives used?	čes E∬No			volume added for any of the above		
	,		f. How installed:			
Describe			1. HOW INSTANCE.	Tremie pumped 🗖 02		
17. Source of water (attach analysis, if requ	ired):			Gravity 🔯 08		
<u> </u>			6. Bentonite seal:	a. Bentonite granules 🗍 33		
	80.5		b. □1/4 in. 🔀	3/8 in. □ 1/2 in. Bentonite chips □ 3 2		
E. Bentonite seal, top ft. MSI	c or <u>yft.</u>		c	Other 🗆 🏬		
F. Fine sand, top ft. MSL or ft. MSL or ft.						
		圏 圏/ /	a. «.W.	Side your 400		
G. Filter pack, top ft. MSI	Lor_23ft.		b. Volume added	1 3/ %		
• • • =====				ial://Manufacturer, product name & mesh size		
H. Screen joint, top ft. MSl	L or _0/ 2 ft.		a Q.W. S.			
			b. Volume added	1 2,650 ft3		
I. Well bottom ft. MSI	Lor _22 ft.		9. Well casing:	Flush threaded PVC schedule 40 💆 23		
J. Filter pack, bottom ft. MSI	36	1/量/		Flush threaded PVC schedule 80 24		
J. Filter pack, bottom ft. MSI	_ or it.			Other 🗆 🚆		
K. Borehole, bottom ft. MSI	٠ کا کا ایسان		10. Screen material:			
-	- 01 _ S 1L		a. Screen type:	Factory cut 🕅 11 Continuous slot 🔲 01		
L. Borehole, diameter 8.375 in.						
•			b. Manufacturer	MONOTLEY Other LI		
M. O.D. well casing $\frac{2.575}{2.5}$ in.			c. Slot size:	0.010 in.		
			d. Slotted length	: <u></u>		
N. I.D. well casing 2.000 in.		1	1. Backfill material	(below filter pack): None 🕅 14		
				Other 🗆 🌉		
I hereby certify that the information on this		the best of my kno	wledge.			
Signature	Firm	KY 1	~00	-		
	<u> </u>	<u> </u>	ngmes			

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