

January 26, 2022

Mr. BJ LeRoy Wisconsin Department of Natural Resources Milwaukee Service Center 1027 W. St. Paul Ave Milwaukee, WI 53233

Re:

MW-112, MW-114 and MW-115 Groundwater Monitoring Well Abandonment Documentation Waste Management Boundary Road Landfill WDNR License No. 0011

Dear Mr. LeRoy:

On behalf of Waste Management, Cornerstone Environmental Group, LLC, a Tetra Tech Company (Tetra Tech) is submitting documentation to the Wisconsin Department of Natural Resources (WDNR) for the abandonment of three groundwater monitoring wells at the Boundary Road Landfill during August of 2021. The monitoring wells were abandoned as requested by the department.

The abandoned groundwater monitoring wells were constructed with 2-inch PVC and were installed in unconsolidated soils. Wells MW-112 and MW-115 were abandoned August 4, 2021 and Well MW-114 was abandoned on August 18, 2021 by Soils and Engineering Services, Inc. of Madison, Wisconsin.

The abandonment work was performed in accordance with the Wisconsin Administrative Code NR 141 and NR 507, under the direction of a Wisconsin Professional Geologist. A Well Filling & Sealing Report (WDNR Form 3300-005) has been prepared for each well and the previously completed well construction logs which show casing and boring depth for each well, are provided in Attachment A. Additionally, an updated Well Information Form (WDNR Form 4400-089) for the three abandoned wells is included in Attachment B.

Upon your review of this letter, please contact me at 608-346-1677 with any questions.

Sincerely,

CORNERSTONE ENVIRONMENTAL GROUP, LLC - A TETRA TECH COMPANY

Luke Specketer, P.G.

Geologist

Mr. BJ LeRoy January 26, 2022

Enclosures: Attachment A - WDNR Abandonment Forms and Well Construction Logs

Attachment B - WDNR Well Information Form

cc: BJ LeRoy - WDNR - electronic copy and hard copy

David Buser – WDNR – electronic copy

Ryan Baeten – Waste Management – electronic copy Brett Coogan - Waste Management – electronic copy Greg Konsionowski - Waste Management – electronic copy

Lee Daigle - Tetra Tech - electronic copy

CERTIFICATION

I, Lucas R Specketer, hereby certify that I am a licensed professional geologist in the State of Wisconsin in accordance with the requirements of ch. GHSS 2, Wis. Adm. Code; that the preparation of this document has not involved any unprofessional conduct as detailed in ch. GHSS 5, Wis. Adm. Code; and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 500 to 538, Wis. Adm. Code.

Lucas R. Specketer	
Signature	
Geologist	





Attachment A

WDNR Abandonment Forms and Well Construction Logs

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

Madison

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53717

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

8/20/2021

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 Remediation/Redevelopment Verification Only of Fill and Seal X Waste Management Other: 2. Facility / Owner Information 1. Well Location Information WI Unique Well # of Facility Name Hicap # County Removed Well Boundary Road Landfill NH079 Waukesha N/A Facility ID (FID or PWS) Latitude / Longitude (see instructions) Format Code Method Code X GPS008 26862940 43.182594 XDD License/Permit/Monitoring # SCR002 88.862349 DDM W OTH001 WDNR #0011 14 / 14 SE NE Township Range Original Well Owner Section 1/4 XE Waste Management or Gov't Lot # 1 8 21 W Present Well Owner Well Street Address Waste Management W124 Boundary Road Mailing Address of Present Owner Well City, Village or Town Well ZIP Code W124 Boundary Road 53051 Menomonee Falls City of Present Owner State ZIP Code Subdivision Name Lot # WI Menomonee Falls 53051 4. Pump, Liner, Screen, Casing & Sealing Material Reason for Removal from Service WI Unique Well # of Replacement Well Pump and piping removed? No No longer monitored Liner(s) removed? Yes No X N/A 3. Filled & Sealed Well / Drillhole / Borehole Information Liner(s) perforated? Yes No X N/A Original Construction Date (mm/dd/yyyy) X Monitoring Well X Yes No Screen removed? 10/11/1991 Water Well X No Casing left in place? N/A If a Well Construction Report is available, Borehole / Drillhole Was casing cut off below surface? please attach Did sealing material rise to surface? Construction Type: Yes No X N/A Yes No X N/A Did material settle after 24 hours? X Drilled Driven (Sandpoint) Dug If yes, was hole retopped? X N/A Yes Other (specify): If bentonite chips were used, were they hydrated Formation Type: Yes X No with water from a known safe source? X Unconsolidated Formation **Bedrock** Required Method of Placing Sealing Material Conductor Pipe-Gravity Conductor Pipe-Pumped Total Well Depth From Ground Surface (ft.) Casing Diameter (in.) Screened & Poured (Bentonite Chips) 20 2 Other (Explain): Lower Drillhole Diameter (in.) Casing Depth (ft.) Sealing Materials 8.5 9.8 Neat Cement Grout X 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) X Bentonite Chips Bentonite - Cement Grout 5.5 5.8 TOC Granular Bentonite Bentonite - Sand Slurry Yards, Sacks Sealant or 5. Material Used to Fill Well / Drillhole From (ft.) To (ft.) Volume (circle one) 3/8" Bentonite Chips Surface 20 40 pounds 6. Comments MW-112, total well depth was originally 20.0ft below ground surface. First the PVC well casing was filled with bentonite chips then the well casing, screen and protective steels pipe were removed with the drill rig. The empty hole was then filled with bentonite **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 II icense # Tetra Tech (mm/dd/yyyy) 08/04/2021 Street or Route Telephone Number Comments 8413 Excelsior Drive, Suite 160 (630)410-7725 City ZIP Code Signature of Person Doing Work State Date Signed

of Manual Decoupos	d Waste 🗆 Haz. Waste 🗅 & Repair 🔯 Underground		MONITORING WELL Form 4400-113A	L CONSTRUCTION Rev. 4-90
	Local Grid Location of We		Well Name MWI 12	
acility License, Permit or Monitoring Number	Grid Origin Location	<u> </u>	Wis, Unique Well Number	DNR Well Number
		ong or		
of Well Water Table Observation Well 211	St. Plane 437012 fr	N, <u>2516789</u> f. E.	Date Well Installed 1 0	,11,91
Piezometer 12	Section Location of Waste/	Source	Well Installed By: (Person	d d y y
Distance Well Is From Waste/Source Boundary 350	7-1/4 of SE 1/4 of Sec.	1, t. 8 N, r. 21 5 W.	G. Prior-Warzyn	
Well A Point of Enforcement Std. Application?	Location of Well Relative	o Waste/Source	G. 11101-Haizy	Tric.
■ XYS □ No		Not Known		
	. MSL	1. Cap and lock	?	⊠ Ye □ No
757 07 6		2. Protective co	ver pipe:	2
D. Hell Charles, top cloradon = = = = = =	. 1	a Inside diam	eler.	3 & in.
7. <u>Dane serime</u> 010. mon	r. MSL	b. Length:		_7_ 0_ ft.
). Surface seal, bottom 749 5 ft MSL or 5	5 ft.	c. Material:	zed aluminum	Steel D 04
12. USCS classification of soil near screen:		d. Additional		Cre M No
GP GM GC GW G SW G	SP []	If yes, des	•	0.00.0
SM S SC D MLD MHD CL D (CH 🗀 NI	$H \setminus I$		Bentonite 2 30
Bežrock 🗆		3. Surface seal:		Concrete 🗆 01
13. Sieve analysis attached? Yes	·o (2)	 \	W 6	Ohe 🛘 💹
14. Drilling method used: Rotary	50	4. Material betw	veen well casing and protective	
Hollow Stem Auger Other Other				Bentonite 🗆 30
One D		#30 Fli	nt sand	Other Ed 🔠
15. Drilling fluid used: War 0 02 Air 0	01	5. Armular space		# Bentonite ☑ 33
Drilling Mud 🖸 03 None 🛭	99	b Lbs/	gal mud weight Benicnite	
,	01 99		gal mud weight Bent	
Drilling additives used? 🔲 Yes 🔞 🛭	`	d	ntonite Bentonite-c	zement grout 🖸 50
Describe		e. <u>1.0</u>	_Ft ³ volume added for zny o	
17. Source of water (attach analysis):		f How insta		Trenic 🖸 01
1			11-	nie pumped □ 02 Gravity ☒ 08
		6. Bentonite se	a Benton	Gravity 🛭 08
E Bentonite seal, top ft. MSL or			. ⊠3/8 in. □1/2 in. Bent	
	ft.	b. 1/4 in c. 7. Fine sand m None		Ohe 🛘 🚟
F. Fine sand, top ft. MSL or	ft.	7. Fine sand m	aterial: Manufacturer, produ	ct name & mesh size
747 0	7 1		dad NA 6	220
G. Filter pack, top 747 9ft. MSL or	II	b. Volume a	mar	
H. Screen joint, top 745 2ft. MSL or	9 8 ,	8. Filter pack n	naterial: Manufacturer, proch	ict name and meth size
H. Screen joint, top		b. Volume	int sand #30	3 ===
I. Well bottom 735 Of MSL or 2	10 0 ft.	9. Well casing		
	' = ' = '		Flush threaded PVC s	
J. Filter pack, bottom7350ft. MSL or2	U U ft.			Ohe 🛚 🕮
735 0 2	0 0 .	10. Screen mate	rial: Schedule 40 P	VC
K. Borehole, bottom	ft.	2 Screen ty		Factory out 🛭 11
L. Borehole, diameter 8 5 in.		3	Cor	ntinuous slot 🔲 01
	**	b. Menufact	Diedrich	Other 🛭 💯
M. O.D. well casing 2 40 in.		c. Sict size		0.010 in
		d Slotted 1		95 ft
LD. well casing 2 00 in.		11. Backfill mai	erial (below filter pack):	None 🛭 14
	· · · · · · · · · · · · · · · · · · ·			O/= [] [[]
I hereby certify that the information on th		prrect to the best of my	knowledge.	
Signature	Fum Warzy	yn Inc.		

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. Adv. Gode. 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

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

Madison

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Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

8/20/2021

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 Remediation/Redevelopment Verification Only of Fill and Seal X Waste Management Other: 1. Well Location Information 2. Facility / Owner Information Facility Name WI Unique Well # of Hicap # County Removed Well Boundary Road Landfill NH097 Waukesha N/A Facility ID (FID or PWS) Latitude / Longitude (see instructions) Format Code Method Code X GPS008 26862940 43.185013 X DD Ν License/Permit/Monitoring # SCR002 88.063038 DDM W OTH001 WDNR #0011 14 / 14 SE NE Section Township Range Original Well Owner 1/4 XE Waste Management or Gov't Lot # 1 8 21 W Present Well Owner Well Street Address Waste Management W124 Boundary Road Mailing Address of Present Owner Well City, Village or Town Well ZIP Code W124 Boundary Road 53051 Menomonee Falls City of Present Owner State ZIP Code Subdivision Name Lot # WI Menomonee Falls 53051 4. Pump, Liner, Screen, Casing & Sealing Material Reason for Removal from Service WI Unique Well # of Replacement Well Pump and piping removed? No No longer monitored NA Liner(s) removed? Yes No X N/A 3. Filled & Sealed Well / Drillhole / Borehole Information Liner(s) perforated? Yes No X N/A Original Construction Date (mm/dd/yyyy) X Monitoring Well X Yes No Screen removed? 10/07/1992 Water Well X No Casing left in place? N/A If a Well Construction Report is available, Borehole / Drillhole Was casing cut off below surface? please attach Did sealing material rise to surface? Construction Type: Yes No X N/A Yes No X N/A Did material settle after 24 hours? X Drilled Driven (Sandpoint) Dug If yes, was hole retopped? X N/A Yes Other (specify): If bentonite chips were used, were they hydrated Formation Type: Yes X No 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 (Bentonite Chips) 2 17.3 Other (Explain): Lower Drillhole Diameter (in.) Casing Depth (ft.) Sealing Materials 8.5 8.0 Neat Cement Grout X 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) X Bentonite Chips Bentonite - Cement Grout 5.0 6.3 - TOC Granular Bentonite Bentonite - Sand Slurry Yards, Sacks Sealant or 5. Material Used to Fill Well / Drillhole From (ft.) To (ft.) Volume (circle one) 3/8" Bentonite Chips Surface 17.3 45 pounds 6. Comments MW-114, total well depth was originally 18.1ft below ground surface. First the PVC well casing was filled with bentonite chips then the well casing, screen and protective steels pipe were removed with the drill rig. The empty hole was then filled with bentonite chips. 7. Supervision of Work **DNR Use Only** Name of Person or Firm Doing Filling & Sealing Date of Filling & Sealing or Verification Date Received Noted By II icense # Tetra Tech (mm/dd/yyyy) 08/18/2021 Street or Route Telephone Number Comments 8413 Excelsior Drive, Suite 160 (630)410-7725 City ZIP Code Signature of Person Doing Work State Date Signed

	Solid Waste 🔲 Haz. Was onse & Repair 📱 Undergro		MONITORING WEL Form 4400-113A	L CONSTRUCTION Rev. 4-90
Facility/Project Name	Local Grid Location of Well		Well Name	
Boundary Road Landfill	ft. \square S		MW114 Wis, Unique Well Number	DNR Well Number
Facility License, Permit or Monitoring Number	Grid Origin Location			
(n) 			Date Well Installed	-
_	St. Plane 437950 ft Section Location of Waste/s	. N, 2516624 ft. E. Source E.	10-07-92	
Distance Well Is From Waste/Source Boundary	- 1/4 of SE 1/4 of Se		Well Installed By: (Person's N	lame and Firm)
420 ft.	Location of Well Relative to	Waste/Source	1	•
Is Well A Point of Enforcement Std. Application?	u 🗀 Upgradient d 📄 Downgradient	s Sidegradient n Not Known	T. Karwoski - Warzyn Inc.	
A. Protective pipe, top elevation 760.65	ft. MSL	1. Cap and lo	ock?	Yes No
B. Well casing, top elevation 760.47	ft. MSL	2. Protective	cover nine.	
No.	-	a. Inside diar		<u>3.8</u> in.
C. Land surface elevation 758.3	_ft. MSL	b. Length: c. Material:		6.0 ft.
D. Surface Seal, bottom 753.3 ft. MSL or	5.0 ft.	C. Material. Anodized	Aluminum	Steel 04
<u> </u>	\\	d. Additional	protection?	Yes No
12. USCS classification of soil near screen: GP GM GC GG GW SW	SP	If yes, d	lescribe:	
SM SC ML MH CL	CH	3. Surface se	eal:	Bentonite 30
Bedrock				Concrete 01
13. Sieve analysis attached?	¬ No	4 Material be	etween well casing and protecti	OtherOther
	_	i. Material of	street were easing and protecti	Bentonite 3 0
14. Drilling method used: Rotary		#20 FILL 0		nular space seal 🔲
Hollow Stem Augel Othe	1943.00	5. Annular sp	Sand Above Ground Surface pace seal: a. Gr	Other 33
		b.	Lbs/gal mud weight Bente	onite-sand slurry 35
15. Drilling fluid used: Water 02 Ai Drilling Mud 03 None		c. ——	Lbs/gal mud weight % Bentonite Benton	Bentonite slurry 7 31 ite-cement grout 7 50
Divining Was 00 110/16		e. 1.4	cu ft volume added for any of t	
16. Orilling additives used?	No	f. How instal		Tremie 01
Describe		0		Tremie pumped 02 Gravity 08
		6. Bentonite		entonite granules 33
17. Source of water (attach analysis):				Bentonite pellets 32
City of Milwaukee		c. 3/8" Bento 7. Fine sand	material: Manufacturer, produc	Other 1
2		/ /	ning corporation Fine Mesh Sili	ca
E. Bentonite seal, top _ 758.3 _ ft. MSL or 0	0.0 ft,	b. Volume a	0.25 cu ft material: Manufacturer, produc	et name 8 mech cize
F. Fine sand, top753.3 _ ft. MSL or5	i.o ft.		Mat'is Red Flint #30	A Hairie of Mesti Size
		b. Volume ad		
G. Filter pack, top 752.3 ft. MSL or 6	i.D ft.	9, Well casin	_	VC schedule 40 23
H. Screen joint, top	.o ft.		r tool tireded r	Other 🗆
i Mall bettern 740.2 # MCI er 4		10. Screen ma		Footon out = 11
i. Well bottom	² ¹	a. Screen typ	De.	Factory cut 11 Continuous slot 01
J. Filter pack, bottom _ 740.2 _ ft. MSL or 1	8.1 ft.		5:	Other 🗀 💹
K. Borehole, bottom738.3 _ ft, MSL or2	0.0 ft.	b. Manufactu c. Slot size:	·	0.01 in.
L. Borehole, diameter 8.5_ in.			aterial (below filter pack):	10.1 ft. None 14
M. O.D. well casing 2.40 in.		Caved Soi	I	Other _
N. I.D. well casing 2.00 in.				
ereby certify that the information on this form is tru	1	ny knowlege.		
gnature from I Karewh	Firm	zyn Inc.		MWCONST
	1	-,	 	

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 & 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, 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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Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

8/22/2021

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		Waste □ Wastewater □ lerground Tanks □ Other _	MONITORING WELL CONSTRUCTION Form 4400-113A Rev. 4-90
Facility/Project Name	Local Grid Location of		Well Name
]N. ∐.E. ີ່ງs. ft. ∐.W	
Boundary Road Landfill	Grid Origin Location	s. ft. W	AANS, Oliidde AACH Adiliber
Facility License, Permit or Monitoring Number	Lat.	Long.	or Date Well Installed
Type of Well Water Table Observation Well 1	St. Plane 437977	ft. N, 2515987 ft.	
	Section Location of Wa		
Distance Well Is From Waste/Source Boundary	- 1/4 of SE 1/4	of Sec. 1, T.8N, R20	V. Well Installed By: (Person's Name and Firm)
400 ft.	Location of Well Relati		
Is Well A Point of Enforcement Std. Application?	u Upgradient	s ` Sidegradient n Not Known	T. Karwoski - Warzyn Inc.
Yes No	d Downgradie	<u> </u>	lock?
A. Protective pipe, top elevation 764.37	ft. MSL	1. Cap and	lock?
B. Well casing, top elevation 764.25	ft. MSL	2. Protectiv	re cover pipe:
		a. Inside di	
C. Land surface elevation 761.0	_ft, MSL _	b. Length:	7.0 ft. Steel 04
D. Surface Seal, bottom 758.0 ft. MSL or	3.0 ft.	c. Material	d Aluminum Other
D. Surface Seal, Dottoffi 750.0 It. MSE of	-3.0 "		al protection? Yes No
12. USCS classification of soil near screen:		If yes	describe:
GP ☐ GM ☐ GC ■ GW ☐ SW		3. Surface	seal: Bentonite 3 t
SM ME SC ML MH CL	■ сн 🗆	3, Surface	Concrete 01
Bedrock	13		Other
13. Sieve analysis attached?	No □	4. Material	between well casing and protective pipe:
4.4. Calling and the decreed.	y 5 0		Bentonite M 30 Annular space seal
14. Drilling method used: Rotar Hollow Stem Auge	' - 1		Other
Othe		5. Annular	space seal: a. Granular Bentonite 3
		b	Lbs/gal mud weight Bentonite-sand slurry 35
15. Drilling fluid used: Water 02 A	U	c. —	Lbs/gal mud weight Bentonite slurry 31 % Bentonite Bentonite-cement grout 5
Drilling Mud O3 Non	e 🗌 99	e. (7 cu ft volume added for any of the above
16. Drilling additives used?	■ No	f. How ins	
11 12	_		Tremie pumped 02
Describe		6. Bentoni	Gravity 💼 0 le seal: a. Bentonite granules 🔲 3
17. Source of water (attach analysis):		/	in, 3/8 in, 1/2 in. Bentonite pellets 32
City of Milwaukee		/ c.	Other
			nd material: Manufacturer, product name & mesh size
		a. Badger b. Volume	Mining corporation Fine Mesh Silica
E. Bentonite seal, top 761.0 ft. MSL or	0.0 π.		ck material: Manufacturer, product name & mesh size
F. Fine sand, top 758.0 ft. MSL or	3.0 ft.		n Mat'ls Red Flint #30
		/ / b. Volume	
G. Filter pack, top	3.5ft.	9. Well ca	sing: Flush threaded PVC schedule 40 23 Flush threaded PVC schedule 80 7 3
ti Caranisista tan 7564 6 MCI or	40 ft		Other
H. Screen joint, top 756.1 ft. MSL or	4.5 10	10. Screen	material: Sch 40 PVC
I. Well bottom 749.1 ft. MSL or	11.9 ft.	a. Screen	
			Continuous slot {
J. Filter pack, bottom _ 749.0 _ ft. MSL or	12.0 ft.	b. Manufa	Other Diedrich
K. Borehole, bottom 749.0 ft. MSL or	12.0 ft.	c. Slot siz	
TO Defende, bottom		d. Slotted	length: 7.0
L. Borehole, diameter 8.5 in.		11. Backfill	material (below filter pack): None
			Other
M. O.D. well casing 2.40 in.			
N. I.D. well casing 2.00 in.			1
ereby certify that the information on this form is	rue and correct to the be	est of my knowlege.	9
Olevative 4	Firm		
Signature Thomas Marule		Warzyn Inc.	MWCOI

Please complete both afdes of this form and return to the appropriate DNR office listed at the top of this form as required by chs. 144, 147 & 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, 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.



Attachment B

WDNR Well Information Form

State of Wisconsin Department of Natural Resources PO Box 7921, Madison WI 53707-7921 dnr.wi.gov

Form 4400-089 (R 04/19)

GROUNDWATER MONITORING WELL AND POINT INFORMATION

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Use the Groundwater Monitoring Well and Point Information Form to record identification, location and construction information for groundwater monitoring wells and any other sample "points" (e.g., gas probes lysimeters leachate collection systems etc.) that are part of the environmental monitoring program NOTE: Not all fields will be applicable to all

oint typ f digits	point types. Only one coordinate reference system may be used per site. Allowable coordinate systems are listed below. (Coordinates for each system require a minimum number of digits as described below.) Local grid coordinates cannot be accepted. Identify the Coordinate Reference System, Datum and Method used.	dinate ref v.) Local	ference si grid coor	ystem	may	be use	ed per a	site. Allowak sted. Identify	ole coording	ate systems linate Refer	s are li	sted beld System,	w. (Coo Datum ar	rdinates fo	r each sys used.	tem require a m	inimum number
Facility Name Boundary Ros	Facility Name Boundary Road Landfill			County	County Waukesha			Facility ID No. (FID)		License, Permit or Monitoring No. Date 0011	ermit o	or Monito	ring No.	Date	Comple Luke Si	Completed By (Name and Firm) Luke Specketer. Tetra Tech	and Firm) Tech
									Elevations msl (ft)	is msl (ft)		Well Casing	ng	110,000	(AC) - / 4/	Coordir	Coordinates ^{6,7,8,9}
DNR Point ID No.	Point Name ¹		WUWN ² (if app.)	Type	Status	Gradient	Enf. Stds. Y/N.	Construction Date	Ground Surface	Well Top (of casing)	Type	Diam³ (in)	Length ⁴	Screen Length (ft)	vveii (Pt) Total Length ⁵ (ft)	Y / Lat / Northing	X / Long / Easting
053	MW-112		6L0HN	11	Ь	z	No	10/11/1991	755.0	757.07	Ь	2	11.87	9.5	21.37	437012	2516789
680	MW-114		260HN	11	Ь	z	No	10/01/1992	758.3	760.47	Ь	2	10.17	10.1	20.27	437950	2516624
091	MW-115		NH098	11	Ь	Z	No	10/22/1992	761.0	764.25	Ь	2	8.15	7.0	15.15	437977	2515967
Indude p as well if 2 Wisconsi Number. 3 Well Casi measure: 4 Length of from top from top of sc of well. 5 Total len top of cc of well. 8 sum of v length a length a length a length a	¹ Include previous name as well if one exists. ² Wisconsin Unique Well Number. ³ Well Casing Diameter measures inside diameter. ⁴ Length of well casing from top of casing to top of screen. ⁵ Total length of well from top of casing to bottom of well. Should equal sum of well casing length and screen length.	6 Identify Coolly one (only one (Lat/Lor (min. 8 e.g., -8) (State Plane (North (Centra (X South (min. 2	Fidentify Coordinate Reference System (only one system may be used per site): Lat/Long (Decimal Degrees) WGS84 (min. 8 digits total w/ 6 right of decimal, e.g., -89.123456) State Plane (min. 2 digits right of decimal) North Central South Wisc. Transverse Mercator WTM91 (min. 2 digits right of decimal) Local County Coord. Sys. (WISCRS) (min. digits vary by county)	te Refermay bit imal De tal w/ 6 6) 6) 6) cital w/ 6 Coorse Merse	rence se used sgrees) right of ight of decime sys. (\(\)	System per sith per sith per sith wGSE fecimis fecimis decimis decimis all)	7	Tidentify Projection Datum and units* NAD83 NAD87 NAD83(91) NAD83(91) NAD83(11) Other Describe: Describe: The sed for State Plane, WTM or County Coord. Sys: meters for feet *NOTE: A datum and units are not required for Lat/Long	ection Datum 11) State Plane ord. Sys: um and units for Lat/Long		** ** ** ** ** ** ** **	**Remarks: **Remarks: **Mary of the Method Used to Determine** **A GPS001-Survey grade **O GPS003-Mapping grade/real-ti **O GPS004-Mapping grade/post f **O SRV001-Classical terrestrial survive of the marks: **O TH001 (Other), Describe: **MW-112 and MW-115 abandonec on 8/4/2021, MW-114 abandoned on 8/18/2021	urvey grace to urvey grace apping grace apping grace assical term assical term (W-115 along the abance).	**Remarks: **Remarks: **Mapping by the Method Used to Determine the Coordin** **A GPS001-Survey grade **O GPS003-Mapping grade/real-time different **O GPS004-Mapping grade/real-time different **O GPS004-Mapping grade/post processing **O GPS004-Mapping grade/post processing **O GPS004-Mapping grade/post processing **O GPS004-Mapping grade/real-time different **O GPS004-Mapping g	**Jentify the Method Used to Determine the Coordinates: ***S GPS001-Survey grade** ***O GPS003-Mapping grade/real-time differential correction** O GPS004-Mapping grade/post processing O SRV001-Classical terrestrial surveying techniques* O OTH001 (Other), Describe: W-112 and MW-115 abandoned on 4/2021, MW-114 abandoned on 18/2021.	correction	⁹ Y / Lat / Northing describe the vertical axis. X / Long / Easting describe the horizontal axis. (include "-" where needed, e.g., -89.123456)