Appendix F

Boring and Monitoring Well Logs and Forms, and Geotechnical Test Reports

- F1 Drilling Locations 1 through 11
- F2 Drilling Locations 105 through 126
- F3 Drilling Locations 212 through 233
- F4 Wisconsin Well Information Form 4400-089

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

			Ro	ute To:		astewater		_	gement	\boxtimes							
					Remediation/	Redevelopment \square	Other	Ш									
	-						1	-								Page	1 of 3
	ty/Proje			Jo 2 (D:	roposed)	SCS#: 25222268.00	License/	Permit	/Monito	oring N	ımber			Number Number 1			
					nief (first, last) a		Date Dr	illing S	tarted		Da	te Drilli			_	Drill	ing Method
	ny Kap -site E		nmenta	ıl Servi	ices, Inc.			1/9/	/2023				1/9/2	023			rect Push, ID
WI U	nique W	ell No).	DNR V	Well ID No.	Common Well Name						e Elevat			Bo		Diameter
Logal	Grid O			timatadı	D) on Por	ing Location 🖂		864.9	Feet	MSL	8	70.9 I				2.	.3"
	Plane	ngiii			, 2,168,049		La	at	°	<u>'</u>		Local			Г	1	Feet 🗌 E
NW		of S		/4 of Sec		т 7 N, R 10 E	Lon	g	°	<u>'</u>			1 001				□ W
Facili	ty ID				County		County Co		Civil T		•	_					
Dane 13 City of Madison																	
Sample Soil Properties																	
	(ii)	ıts	eet			ock Description										ı	
er /pe	Att ered	Cour	In F			cologic Origin For		S	.ల	<u>a</u>		rrd atior	ıre		ity	ı	ients
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet		Eac	h Major Unit		SC	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	200	RQD/ Comments
<u>Ž</u> E	7 %	Bl	-	CH T	0.60	(10) TD 2/2)		D	<u>77.77</u>		I I	St	Σŭ	<u> </u>	F H	Ъ	<u> </u>
			-1 -2	SIL1 (silty w	(ML), dark brow 7ith roots. (Topso	rn (10YR 3/2), organic oil)	e rich,	ML	[.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\	1						ı	
			-1	LEAN	CLAY (CL), gr	ay/brown (2.5Y 5/2) t	o olive		F	1						ı	
			E -2	brown	(2.5Y 4/4), oran	nge mottling, mostly so cohesive, uniform, mas	ilt with									ı	
S1	42		E	trace re	oots and sticks.	(Loess)	SIVE WILL						M			ı	
	42		-3	At 1' to	o 5', LEAN CLA	Y (CL)							IVI			ı	
			E	% g-s-	-si-cl = 0-5-55-40 7, PI=25											ı	
			-4	DE 17	,11 23			CL								ı	
			_5													ı	
																ı	
			-6	Gravis	sh brown (2.5Y)	5/2) with pieces of gra	v/white									ı	
			<u> </u>	sandst	tone and fine sub	prounded gravel	y, willie									ı	
	42		- 7	SILTY	SAND (SM), d	ark yellow brown (10	YR 4/6),			? :		0.25	***			ı	
S2	43		E_8	some c	clay, fine and coa	medium and coarse sa arse gravel (mostly do	lomite),			:		0.25	W			ı	Depth to water at ~6 feet.
			E	unifori Memb		l) (Holy Hill Formation	n, Horicon									ı	
			- 9	1,101110	-1)											ı	
			E -10							:						ı	
			E 10													ı	
			-11					SM								ı	
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			-12													ı	
S3	56		_ 13										W			ı	
			- 13							:						ı	
			14													ı	
			<u> </u>							1						ı	
I ban-	by conti	fr +1+	⊢15	rmeti	on this form is t	rue and correct to the	page of1	znovile	dae	·[<u> </u>			
i nere Signa	•	ıy ınat	me inio	illiation (on uns form is t	In:			uge.								
~1511a		0	1	1	Adam	50	CS Engine		adison	WI 537	118						

	g Numb	er	B-2	Use only as an attachment to Form 4400-1	22.							Page	2 of 3
Sar	nple								Soil	Prope	rties		
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	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
S4	53		-16 -17 -18 -19 -20	SILTY SAND (SM), dark yellow brown (10YR 4/6), mostly fine sand with medium and coarse sand and some clay, fine and coarse gravel (mostly dolomite), uniform, massive. (Till) (Holy Hill Formation, Horicon Member)					W				
S5	30		-21 -22 -23 -24 -25		SM				W				
S6	58		-26 -27 -28 -29						W				
S7	43		-31 -32 -33 -34 -35	POORLY GRADED SAND WITH SILT (SP-SM), yellow (10YR 7/8), fine sand with medium to coarse sand, and fine to coarse gravel. (Outwash) (Holy Hill Formation)	SP-SM				W				
S8	39		-36 -37 -38 -39 -40						W				

Borin	g Numl	oer	B-2	12 Use only as an attachment to Form 4400-	122.								Page	3 of 3
	nple									Soil	Prope			
	Length Att. & Recovered (in)	ts	;et	Soil/Rock Description										
r	Att.	uno	n Fe	And Geologic Origin For	S	0	д		d tion	5 7		ty		ents
Number and Type	ngth	Blow Counts	Depth In Feet	Each Major Unit	USC	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
Nu	Re Le	BIC	De		Ď.	Grap Log	Well Diagr	II4	Sta Per	≱ ວິ	ij ij	Pla Ind	P 2	S. S.
				End of boring at 40' bgs in outwash. Abandoned borehole with bentonite grout and										
				bentonite chips.										
					I	I	l	l	I	l	I		l	I

Sun Prairie

WI

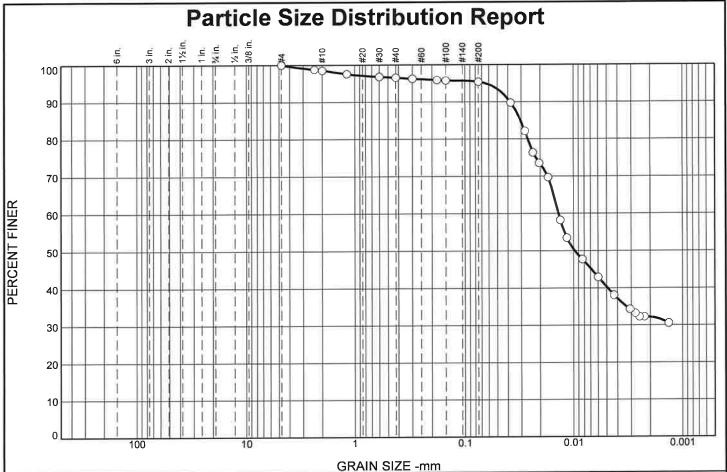
53590

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

01/09/2023

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 Waste Management Other: 1. Well Location Information 2. Facility / Owner Information County WI Unique Well # of Hicap # **Facility Name** Removed Well Dane County Landfill No.3 (Proposed) Dane B-212 Facility ID (FID or PWS) Latitude / Longitude (see instructions) Format Code Method Code GPS008 DD N License/Permit/Monitoring # SCR002 W OTH001 1/4 / 1/4 NW ¹∕₄ SE Section Township Range Original Well Owner XE Dane County Department of Waste and Renewables 7 N or Gov't Lot# 25 10 Present Well Owner Well Street Address Dane County Department of Waste and Renewables 7101 US Highway 12 & 18 Mailing Address of Present Owner Well City, Village or Town Well ZIP Code 1919 Alliant Energy Center Way Madison, WI 53718 City of Present Owner State ZIP Code **Subdivision Name** Lot# Madison WI 53713 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 **Temporary Borehole** Liner(s) removed? X N/A Yes No 3. Filled & Sealed Well / Drillhole / Borehole Information X N/A Liner(s) perforated? Yes No Original Construction Date (mm/dd/yyyy) Monitoring Well Screen removed? Yes No X N/A 01/09/2023 Water Well Casing left in place? Yes No X N/A If a Well Construction Report is available, X Borehole / Drillhole Was casing cut off below surface? Yes No X N/A please attach. Construction Type: Did sealing material rise to surface? X Yes No N/A Did material settle after 24 hours? X Yes No N/A Drilled Driven (Sandpoint) Dug If yes, was hole retopped? X Yes N/A X Other (specify): Geoprobe/Direct Push If bentonite chips were used, were they hydrated Formation Type: with water from a known safe source? X Unconsolidated Formation Required Method of Placing Sealing Material Bedrock Conductor Pipe-Gravity X Conductor Pipe-Pumped Total Well Depth From Ground Surface (ft.) Casing Diameter (in.) Screened & Poured Other (Explain): 40 (Bentonite Chips) Lower Drillhole Diameter (in.) Casing Depth (ft.) Sealing Materials **Neat Cement Grout** |X | Bentonite Grout NA 2.3 Sand-Cement (Concrete) Grout X Bentonite Chips Was well annular space grouted? X No Yes Unknown For Monitoring Wells and Monitoring Well Boreholes Only: If yes, to what depth (feet)? Depth to Water (feet) **Bentonite Chips** Bentonite - Cement Grout NA **Granular Bentonite** Bentonite - Sand Slurry No. Yards, Sacks Sealant or Mix Ratio or 5. Material Used to Fill Well / Drillhole From (ft.) To (ft.) Mud Weight Volume (circle one) 3/8" Bentonite Chips Surface 0.5 0.8 lbs dry mix **Bentonite Grout** 0.5 40 7-gallons 2lbs/gal 6. Comments Boring B-212 7. Supervision of Work **DNR Use Only** Date of Filling & Sealing or Verification Name of Person or Firm Doing Filling & Sealing License # Date Received Noted By (mm/dd/yyyy) 01/09/2023 On-site Environmental Services, Inc Street or Route Telephone Number Comments PO Box 280 608)837-8992 City State ZIP Code Signature of Person Doing Work Date Signed



% Fines % Gravel % Sand % +3" Silt Clay Fine Medium Coarse Coarse Fine 40.3 0.0 2.0 1.2 55.1 0.0 0.0 1.4

SIEVE	PERCENT	SPEC.*	PASS?
SIZE	FINER	PERCENT	(X=NO)
#4	100.0		
#8	98.8		
#10	98.6		
#16	97.6		
#30	96.8		
#40	96.6		
#50	96.3		
#80	95.9		
#100	95.8		
#200	95.4		
	#4 #8 #10 #16 #30 #40 #50 #80 #100	#4 100.0 #8 98.8 #10 98.6 #16 97.6 #30 96.8 #40 96.6 #50 96.3 #80 95.9 #100 95.8	#4 100.0 #8 98.8 #10 98.6 #16 97.6 #30 96.8 #40 96.6 #50 96.3 #80 95.9 #100 95.8

Material Description												
y, Trace Sand												
Atterberg Limits	DI 05											
LL= 47	PI= 25											
Coefficients												
$D_{85} = 0.0305$	D ₆₀ = 0.0137											
D30=	D15= C-=											
	C											
	·O- 47.6(26)											
AASHI	O= A-7-6(26)											
<u>Remarks</u>												
	Atterberg Limits LL= 47 Coefficients D85= 0.0305 D30= Cu= Classification AASHT											

(no specification provided)

Sample Number: B212

Depth: 1'-5'

Date: 3/8/23

CGC,Inc.

Client: SCS Engineers

Project: Dane Couty Yahara Hills

Project No: C22011-8

Figure

Tested By: JFS Checked By: KJS

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98 Route To: Watershed/Wastewater Waste Management

Remediation/Redevelopment	Otner	Ш								_	1 2
Facility/Project Name	License/I	Permit/	Monitor	ring Nu	ımber		Boring	Numbe		Page	1 of 3
Dane County Landfill No. 3 (Proposed) SCS#: 25222268.00	Electise, 1	CITING	141011110					B-21:			
Boring Drilled By: Name of crew chief (first, last) and Firm	Date Dril	lling St	arted		Dat	e Drilli		npleted		Drill	ing Method
Tony Kapugi On-site Environmental Services, Inc.			/2023				1/10/2	2023		2"	rect Push ID
WI Unique Well No. DNR Well ID No. Common Well Name	Final Sta					Elevat		ACT	Bo		Diameter
Local Grid Origin (estimated:) or Boring Location	8	00.8	Feet N	1SL			Feet N				.3"
State Plane 379,579 N, 2,168,300 E S/C/N	La	t	<u> </u>	<u>'</u>		2004		□ N]	Feet D E
NW 1/4 of SE 1/4 of Section 25, T 7 N, R 10 E	Long		°	<u>'</u>				\Box s			\square \square \square
	County Co	de	Civil To		-	illage					
	13		City	of Ma	dison		G '1	D			
Sample							Soil	Prope	erties		
Soil/Rock Description											
Number and Type and Type Georgian Feed (ii) Soil/Rock Description And Geologic Origin For Each Major Unit		S	ic	III.		Standard Penetration	ure	_	ity		RQD/ Comments
Number and Type and Type and Type Blow Coul Each Major Unit Each Major Unit		SC	Graphic Log	Well Diagram	PID/FID	anda	Moisture Content	Liquid Limit	Plasticity Index	200	RQD/ Comm
	(2)	D			<u> </u>	N N	Z O	йä	P) In	Ь	<u> </u>
SILT (ML), very dark grayish brown (10YR 3 organic rich, with roots. (Topsoil) SANDY LEAN CLAY (CL), reddish brown (5 4/4), mostly silt with clay, some fine sand, soft cohesive, uniform, massive, trace roots and graying cohesive.		ML	74 1× 74								
SANDY LEAN CLAY (CL), reddish brown (5 4/4), mostly silt with clay, some fine sand, soft	5YR										
cohesive, uniform, massive, trace roots and gra	ı, avel.										
S1 28 F (Loess)						1.25	M				
31 26 -3		CI.				1.23	IVI				
		CL									
SILTY SAND (SM) vellowish red (5YR 4/6)	mostly										
SILTY SAND (SM), yellowish red (5YR 4/6), fine sand with medium to coarse sand and son	ne clay,										
fine to coarse gravel (mostly dolomite), uniformassive. (Till) (Holy Hill Formation, Horicon	m,										
S2 43 Member)							M				
_9											
		SM									
		Sivi									
-12											
83 53 = 12							M				
<u> </u>			p. 101103								
I hereby certify that the information on this form is true and correct to the be	est of my k	nowled	ige.								

Firm SCS Engineers Adam Watson 2830 Dairy Drive, Madison, WI 53718

	g Numl	er	B-2	Use only as an attachment to Form 4400-	122.								Page	2 of 3
Sar	nple									Soil	Prope	rties		
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	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			E											
			16		SM									
S4	51		-17 -18 -19	CLAYEY SAND (SC), yellowish red (5YR 5/6), mostly fine sand, with medium to coarse sand and some clay, fine to coarse gravel (mostly dolomite), uniform, massive. (Till) (Holy Hill Formation, Horicon Member)		· · · · · ·				W				Measured depth to water at 17.4' bgs.
			E											
	_		-20 -21		SC									
S5	58		= 22 = 23						1.0 - 1.5	W				
			E	POORLY GRADED SAND (SP), yellow (10YR 7/6), fine with medium to coarse sand and fine to coarse					1.0					
	-			fine with medium to coarse sand and fine to coarse gravel. (Outwash) (Holy Hill Formation)										
S6	59		-26 -27 -28 -29 -30		SP					W				
S7	58		-31 -32 -33 -34	SILTY SAND (SM), yellow (10YR 7/6), fine sand. (Outwash) (Holy Hill Formation)						W				
S8	58		-36 -37 -38 -39 -40	Yellow (10YR 7/6), with alternating layers of fine to coarse sand with yellowish red (5YR 4/6) sand.	SM					W				

SOIL BORING LOG INFORMATION SUPPLEMENT

Form 4400-122A

Boring Number	B-2	Use only as an attachment to Form 4400-1	22.								Page	3 of 3
Sample								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	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
		End of boring at 40' bgs in outwash. Abandoned borehole with bentonite grout and bentonite chips.	S n									RQD/

Sun Prairie

WI

53590

Well / Drillhole / Borehole Filling & Sealing Report

01/10/2023

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 Remediation/Redevelopment Verification Only of Fill and Seal Waste Management Other: 1. Well Location Information 2. Facility / Owner Information County WI Unique Well # of Hicap # **Facility Name** Removed Well Dane County Landfill No.3 (Proposed) Dane B-213 Facility ID (FID or PWS) Latitude / Longitude (see instructions) Format Code Method Code GPS008 DD N License/Permit/Monitoring # SCR002 W OTH001 1/4 / 1/4 NW ¹∕₄ SE Section Township Range Original Well Owner XE Dane County Department of Waste and Renewables 7 N or Gov't Lot# 25 10 Present Well Owner Well Street Address Dane County Department of Waste and Renewables 7101 US Highway 12 & 18 Mailing Address of Present Owner Well City, Village or Town Well ZIP Code 1919 Alliant Energy Center Way Madison, WI 53718 City of Present Owner State ZIP Code **Subdivision Name** Lot# Madison WI 53713 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 **Temporary Borehole** Liner(s) removed? X N/A Yes No 3. Filled & Sealed Well / Drillhole / Borehole Information X N/A Liner(s) perforated? Yes No Original Construction Date (mm/dd/yyyy) Monitoring Well Screen removed? Yes No X N/A 01/10/2023 Water Well Casing left in place? Yes No X N/A If a Well Construction Report is available, X Borehole / Drillhole Was casing cut off below surface? Yes No X N/A please attach. Did sealing material rise to surface? X Yes No Construction Type: N/A Did material settle after 24 hours? X Yes No N/A Drilled Driven (Sandpoint) Dug If yes, was hole retopped? X Yes N/A X Other (specify): Geoprobe/Direct Push If bentonite chips were used, were they hydrated Formation Type: with water from a known safe source? X Unconsolidated Formation Required Method of Placing Sealing Material Bedrock Conductor Pipe-Gravity X Conductor Pipe-Pumped Total Well Depth From Ground Surface (ft.) Casing Diameter (in.) Screened & Poured Other (Explain): 40 (Bentonite Chips) Lower Drillhole Diameter (in.) Casing Depth (ft.) Sealing Materials **Neat Cement Grout** X Bentonite Grout NA 2.3 Sand-Cement (Concrete) Grout X Bentonite Chips Was well annular space grouted? X No Yes Unknown For Monitoring Wells and Monitoring Well Boreholes Only: If yes, to what depth (feet)? Depth to Water (feet) **Bentonite Chips** Bentonite - Cement Grout NA ~17 **Granular Bentonite** Bentonite - Sand Slurry No. Yards, Sacks Sealant or Mix Ratio or 5. Material Used to Fill Well / Drillhole From (ft.) To (ft.) Mud Weight Volume (circle one) 3/8" Bentonite Chips Surface 0.5 0.8 lbs dry mix **Bentonite Grout** 0.5 40 7-gallons 2lbs/gal 6. Comments Boring B-213 7. Supervision of Work **DNR Use Only** Date of Filling & Sealing or Verification Name of Person or Firm Doing Filling & Sealing License # Date Received Noted By (mm/dd/yyyy) 01/10/2023 On-site Environmental Services, Inc Street or Route Telephone Number Comments PO Box 280 608)837-8992 City State ZIP Code Signature of Person Doing Work Date Signed

SOIL BORING LOG INFORMATION

Resources Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater

Remediation/Redevelopment

Other

Other

				Remediation/	redevelopment	Other									Page	1 of 3
	ty/Proje					License/I	Permit/	Monito	ring Nu	ımber		Boring		er	ruge	1 01 5
Dar Borin	ne Cou	nty La d Bv:	andfill I Name o	No. 3 (Proposed) f crew chief (first, last) ar	SCS#: 25222268.00	Date Dri	lling St	tarted		Dat	te Drilli	ng Con	B-21		Drill	ing Method
Toı	y Kar	ougi		al Services, Inc.				/2023				1/10/2	•			ect Push
	nique W			DNR Well ID No.	Common Well Name	Final Sta					e Elevat			Во	rehole	Diameter
Local	Grid O	 rigin	☐ (es	stimated: or Bori	ng Location 🛇		367.5	Feet I	MSL			Feet M			2	.3"
	Plane	iigiii		,570 N, 2,168,653		La	t	°	<u>'</u>		Local			ſ]	Feet 🗌 E
NE		of S	E 1		т 7 N, R 10 E	Long		°	<u>'</u>				□ s			\square \overline{W}
Facili	ty ID			County Dane		County Co	de	City C	own/Ci of Ma	•	_					
Sar	nple			Dane		13		City	or ivia	uison		Soil	Prope	erties		
	\Box			Soil/R	ock Description							Jon	Пор			
ပ	Length Att. & Recovered (in)	Blow Counts	Depth In Feet		ologic Origin For				_		u			<u>></u>		ıts
Number and Type	gth /	α C	th Ir	Eac	h Major Unit		CS	Graphic Log	Well Diagram	PID/FID	ndarc	isture	uid it	Plasticity Index	200	D/ nmei
Nur	Len	Blo	Dep				S N	Grap Log		PID	Standard Penetration	Moisture Content	Liquid Limit	Plastic Index	P 2(RQD/ Comments
			-	SILT (ML), very dark gorganic rich, with roots	grayish brown (10YR	3/2),	ML	7118 71	1							
			<u>-</u> 1	CLAYEY SAND (SC)	, strong brown (7.5YR	2 4/6),										
S1			E	mostly silt with clay, so uniform, massive, trace	ome fine sand, soft, col	hesive, 1) (Holv										
			-2	Hill Formation, Horico	n Member)	.) (1101)										
	32		_3				SC				0.5	M				
			F													
			- 4													
			_5													
				POORLY GRADED S	AND (SD) years note to	arown										
			-6	(10YR 7/4), fine sand	with medium to coarse	sand and										
			<u> </u>	fine to coarse gravel, w (Outwash) (Holy Hill F	orth trace pieces of sand formation)	dstone.			: :							
S2	26		E /									M				
52	20		-8						:			IVI				
			Ė,													
			<u>-9</u>						:							
-	1		-10						:							
			E				SP									
			-11													
			E ₁₂		1011											
S3	41		Ē	Sandy clay from 12' to	13' bgs, no pieces of s	andstone.						M				
			- 13													
			- -14						:							
			Ė						:							
<u></u>	 	<u> </u>	<u> </u>					10.000	1							
1 here	by certii	ry that	the info	rmation on this form is tr	ue and correct to the be	est of my kr	nowled	ge.								

Signature	all	Adam Watson Firm	SCS Engineers 2830 Dairy Drive, Madison, WI 53718

	g Numb	er	B-2	14 Use only as an attachment to Form 4400-12	22.								Page	2 of 3
San	nple									Soil	Prope	rties		
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	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
				No clay.										
S4	40		16 -17 -18 -19 -20	Yellow (10YR 7/6), with trace silt.					4.0	M/W				Measured depth to water at 21.3' bgs.
S5	52		-21 -22 -23 -24 -25							W				
S6	41		-26 -27 -28 -29	No silt.	SP					W				
S7	40		-31 -32 -33 -34 -35	Brownish yellow (10YR 6/6), with trace silt.						W				
S8	43		-36 -37 -38 -39 -40	Yellow (10YR 7/6).						W				

SOIL BORING LOG INFORMATION SUPPLEMENT

Form 4400-122A

	g Numl	ber	B-2	Use only as an attachment to Form 4400-1	22.								Page	3 of 3
San	nple									Soil	Prope	erties		
	Length Att. & Recovered (in)	nts	Feet	Soil/Rock Description					u u					ss
ser ype	h At	Con	I ll I	And Geologic Origin For Each Major Unit	S	iic	am	Ð	ard ratio	ure	-	city		/ nent
Number and Type	engt	Blow Counts	Depth In Feet	Each Major Onit	USC	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
<u> </u>	<u> </u>	Щ	П	End of boring at 40' bgs in outwash. Abandoned	٦			Д	S	Z 0	1 1	<u> </u>	Ь	
				borehole with bentonite grout and bentonite chips.										
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Sun Prairie

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53590

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

01/10/2023

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 Waste Management Other: 1. Well Location Information 2. Facility / Owner Information County WI Unique Well # of Hicap # **Facility Name** Removed Well Dane County Landfill No.3 (Proposed) Dane B-214 Facility ID (FID or PWS) Latitude / Longitude (see instructions) Format Code Method Code GPS008 DD N License/Permit/Monitoring # SCR002 W OTH001 1/4 / 1/4 NE ¹∕₄ SE Section Township Range Original Well Owner XE Dane County Department of Waste and Renewables 7 N or Gov't Lot# 25 10 Present Well Owner Well Street Address Dane County Department of Waste and Renewables 7101 US Highway 12 & 18 Mailing Address of Present Owner Well City, Village or Town Well ZIP Code 1919 Alliant Energy Center Way Madison, WI 53718 City of Present Owner State ZIP Code **Subdivision Name** Lot# Madison WI 53713 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 **Temporary Borehole** Liner(s) removed? X N/A Yes No 3. Filled & Sealed Well / Drillhole / Borehole Information X N/A Liner(s) perforated? Yes No Original Construction Date (mm/dd/yyyy) Monitoring Well Screen removed? Yes No X N/A 01/10/2023 Water Well Casing left in place? Yes No X N/A If a Well Construction Report is available, X Borehole / Drillhole Was casing cut off below surface? Yes No X N/A please attach. Did sealing material rise to surface? X Yes No Construction Type: N/A Did material settle after 24 hours? X Yes No N/A Drilled Driven (Sandpoint) Dug If yes, was hole retopped? X Yes N/A X Other (specify): Geoprobe/Direct Push If bentonite chips were used, were they hydrated Formation Type: with water from a known safe source? X Unconsolidated Formation Required Method of Placing Sealing Material Bedrock Conductor Pipe-Gravity X Conductor Pipe-Pumped Total Well Depth From Ground Surface (ft.) Casing Diameter (in.) Screened & Poured Other (Explain): 40 (Bentonite Chips) Lower Drillhole Diameter (in.) Casing Depth (ft.) Sealing Materials **Neat Cement Grout** Bentonite Grout NA 2.3 Sand-Cement (Concrete) Grout X Bentonite Chips Was well annular space grouted? X No Yes Unknown For Monitoring Wells and Monitoring Well Boreholes Only: If yes, to what depth (feet)? Depth to Water (feet) **Bentonite Chips** Bentonite - Cement Grout NA ~19 **Granular Bentonite** Bentonite - Sand Slurry No. Yards, Sacks Sealant or Mix Ratio or 5. Material Used to Fill Well / Drillhole From (ft.) To (ft.) Mud Weight Volume (circle one) 3/8" Bentonite Chips Surface .16 lbs 1 dry mix **Bentonite Grout** 1 40 7-gallons 2lbs/gal 6. Comments Boring B-214 7. Supervision of Work **DNR Use Only** Date of Filling & Sealing or Verification Name of Person or Firm Doing Filling & Sealing License # Date Received Noted By (mm/dd/yyyy) 01/10/2023 On-site Environmental Services, Inc Street or Route Telephone Number Comments PO Box 280 608)837-8992 City State ZIP Code Signature of Person Doing Work Date Signed

SOIL BORING LOG INFORMATION

ural Resources Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater □ Waste Management □

				Remediation/	Redevelopment		Other										
																Page	1 of 2
	y/Proje]	License/I	Permit	Monito	ring Nu	ımber			Numbe	er		
				No. 3 (Proposed)	SCS#: 25222268.0									B-21			
•	_	•	Name of	f crew chief (first, last) a	nd Firm		Date Dril	lling S	tarted		Dat	te Drilli	ng Con	npleted			ing Method
	ıy Kap site F		nment	al Services, Inc.				1/10	/2023				1/10/2	2023			irect Push ID
	nique W			DNR Well ID No.	Common Well Nam	ne l	Final Stat				Surface	e Elevat		2023	Во		Diameter
							869	9.2 F	eet M	SL		85.3 F				2	.3"
	Grid Or Plane	rigin		stimated: (1) or Bor ,646 N, 2,168,963			La	t	0	•	"	Local C					_
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Facilit		01 5		County	1 / N, K 10 I		ounty Co		Civil T	own/Ci	ity/ or V	Village					
	-			Dane		1.	3		City	of Ma	dison						
Sar	nple												Soil	Prope	erties		
	(E) &	S	et	Soil/R	lock Description												
ے و	Att.	ouni	n Fe	And Ge	eologic Origin For					ء ا		d tion	8		ty (nts
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Eac	ch Major Unit			CS	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	200	RQD/ Comments
Nu	Ler	Blo	Del					S O	_		PII	Sta Per	[™] No	Lig	Plastic Index	P 2	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
	1		E	SILT (ML), very dark organic rich, with root	grayish brown (10YF	R 3/2)),	ML	71 1/2	4							
			-1	SILTY SAND (SM), r	eddish yellow (7.5YI	R 6/6),										
			E	mostly fine sand with some clay, fine to coar	medium to coarse san	nd and omite	f. :).										
			-2	uniform, massive. (Til	l) (Holy Hill Formation	on, H	oricon										
S1	41		_3	Member)									M				
			-4														
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S2	52		E 。					SM					M				
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SOIL BORING LOG INFORMATION SUPPLEMENT

Form 4400-122A

	g Numb	er	B-2	Use only as an attachment to Form 4400-1	22.	1	1						Page	2 of 2
San	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	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
S4	48		-16 -17 -18 -19 -20	CLAYEY SAND (SC), reddish yellow (7.5YR 6/6), mostly fine sand with medium to coarse sand and fine gravel, soft, cohesive, uniform, massive. (Till) (Holy Hill Formation, Horicon Member)	SM SC				4.0	W				Cold weather may have affected the pocket penetrometer reading.
S5	51		-21 -22 -23 -24 -25	SILTY SANDS (SM), light brown (7.5YR 6/4), mostly fine sand with medium to coarse sand and some clay, fine to coarse gravel (mostly dolomite), uniform, massive. (Till) (Holy Hill Formation, Horicon Member)	SM				2.5 1.5 3.0	W				
S6	57		-26 -27 -28 -29	SILTY SAND (SM), light brown (7.5YR 6/4), fine to coarse sand and trace fine to coarse gravel (mostly dolomite). (Outwash) (Holy Hill Formation)						W				Drilling became difficitut within the last 10' of the boring.
S7	56		-30 -31 -32 -33 -34	Refusal, end of boring at 34' bgs in outwash. Abandoned borehole with bentonite grout and bentonite chips.	SM					W				Refusal at 34 feet bgs.

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 Remediation/Redevelopment Verification Only of Fill and Seal Waste Management Other: 1. Well Location Information 2. Facility / Owner Information County WI Unique Well # of Hicap # **Facility Name** Removed Well Dane County Landfill No.3 (Proposed) B-215 Dane Facility ID (FID or PWS) Latitude / Longitude (see instructions) Format Code Method Code GPS008 N License/Permit/Monitoring# SCR002 W OTH001 1/4 / 1/4 NE ¹∕₄ SE Section Township Original Well Owner Range XE Dane County Department of Waste and Renewables 7 N or Gov't Lot# 25 10 Present Well Owner Well Street Address Dane County Department of Waste and Renewables 7101 US Highway 12 & 18 Mailing Address of Present Owner Well City, Village or Town Well ZIP Code 1919 Alliant Energy Center Way Madison, WI 53718 City of Present Owner State ZIP Code Subdivision Name Lot # 53713 Madison 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 **Temporary Borehole** Liner(s) removed? X N/A Yes No 3. Filled & Sealed Well / Drillhole / Borehole Information Liner(s) perforated? Yes No X N/A Original Construction Date (mm/dd/yyyy) Monitoring Well X N/A Screen removed? Yes No 01/10/2023 Water Well Casing left in place? Yes No X N/A If a Well Construction Report is available, X Borehole / Drillhole Was casing cut off below surface? Yes No X N/A please attach. Construction Type: Did sealing material rise to surface? X Yes No N/A Did material settle after 24 hours? X Yes No N/A Drilled Driven (Sandpoint) Dug If yes, was hole retopped? N/A X Other (specify): Geoprobe/Direct Push If bentonite chips were used, were they hydrated Formation Type: with water from a known safe source? X Unconsolidated Formation Bedrock Required Method of Placing Sealing Material Conductor Pipe-Gravity X Conductor Pipe-Pumped Total Well Depth From Ground Surface (ft.) Casing Diameter (in.) Screened & Poured Other (Explain): 34 (Bentonite Chips) Lower Drillhole Diameter (in.) Casing Depth (ft.) Sealing Materials **Neat Cement Grout** X Bentonite Grout NA 2.3 Sand-Cement (Concrete) Grout X Bentonite Chips Was well annular space grouted? Yes X 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 NA ~16 **Granular Bentonite** Bentonite - Sand Slurry No. Yards, Sacks Sealant or Mix Ratio or 5. Material Used to Fill Well / Drillhole From (ft.) To (ft.) Mud Weight 3/8" Bentonite Chips Surface .16 lbs 1 dry mix **Bentonite Grout** 1 34 6-gallons 2lbs/gal 6. Comments Boring B-215 7. Supervision of Work **DNR Use Only** Name of Person or Firm Doing Filling & Sealing License # Date of Filling & Sealing or Verification Date Received Noted By (mm/dd/yyyy) 01/10/2023 On-site Environmental Services, Inc Street or Route Telephone Number Comments PO Box 280 608)837-8992 City

State

WI

Sun Prairie

ZIP Code

53590

Signature of Person Doing Work

Date Signed

01/10/2023

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

			<u> Ro</u>	Remediation/Redevelopment	Other	_	ement	M							
	ty/Proje			N. 2 (D	License/F	Permit/	Monitor	ring Nu	ımber		Boring	Number B-21	er	Page	1 of 2
				No. 3 (Proposed) SCS#: 25222268.00 of crew chief (first, last) and Firm	Date Dril	lling St	arted		Dat	te Drilli				Drill	ing Method
To: On	ny Kap -site E	ugi nviro	nmenta	al Services, Inc.			2023				1/9/2			Di	rect Push ID
WI U	nique W	ell No).	DNR Well ID No. Common Well Name	Final Sta					e Elevat			Во		Diameter
Local	Grid O	 rigin	☐ (es	stimated: \(\cap \) or Boring Location \(\sqrt{\operator} \)	872	2.0 F	eet MS	SL		83.0 I Local C				2	.3"
	Plane	of S	379	2,277 N, 2,168,017 E S/C/N 1/4 of Section 25, T 7 N, R 10 E	Lar		0	<u>'</u>		Locar		□ N □ S			Feet E W
Facili	ty ID			County Dane	County Co		Civil To		•	/illage					
Sa	mple										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	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
S1	52		-1 -2 -3 -4 -5 -6 -7 -8	SILT (ML), dark brown (7.5YR 3/2), organic with roots. (Topsoil) CLAYEY SAND (SC), reddish brown (5YR mostly fine sand with medium to coarse sand some clay, fine to coarse gravel (mostly dolor trace pieces of white sandstone, uniform, mas (Till) (Holy Hill Formation, Horicon Member) SILTY SAND (SM), reddish brown (5YR 4/6 fine sand with medium to coarse sand and so fine to coarse gravel (mostly dolomite), and to pieces of sandstone, uniform, massive. (Till) (Hill Formation, Horicon Member)	4/6), and mite), and ssive. 6), mostly me clay, race	ML SC					M				
S3	30	fy that	-10 -11 -12 -13 -14 -15	prmation on this form is true and correct to the b	pest of my k	sm	lge.				W				Depth to water at 11' bgs.
Signa	-		y _	Firm SC	S Enginee	ers									
		Ch	1		0 Dairy Dri		dison, V	WI 537	18						

Borin	g Numb	er	B-2	Use only as an attachment to Form 4400-1	122.								Page	2 of 2
	nple									Soil	Prope			
	% (ii)	ıts	eet	Soil/Rock Description										
er ype	λ Att	Coui	In F	And Geologic Origin For	S].	m		ard atior	ut ut	_	ity		ents
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Each Major Unit	USC	Graphic	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
<u> </u>				POORLY GRADED SAND (SP), strong brown	-		<u>> u</u>	<u> </u>	S E	Z 0		П	<u> </u>	M O
			E -16	(7.5YR 4/6), fine sand with medium to coarse sand and fine to coarse gravel, with trace lenses of clay.										
			= 10	(Outwash) (Holy Hill Formation)										
			- 17											
S4	46		-18							W				
			E											
			-19 -		SP									
			20											
			-21											
				Yellow (10YR 7/6).										
			= 22											
S5	51		23	SILTY SAND (SM), very pale brown (10YR 7/4), fine						W				
			E 24	to medium sand. (Outwash) (Holy Hill Formation)	SM									
			- 24	DOODLY CD ADED CAND (CD)										
	-		25	POORLY GRADED SAND (SP), strong brown (7.5YR 4/6), fine sand with medium to coarse sand	SP									
			E -26	and fine to coarse gravel, with trace lenses of clay. (Outwash) (Holy Hill Formation)										
			E	SILTY SAND WITH GRAVEL (SM), yellow (10YR 7/6), fine sand with medium to coarse sand and fine to										
9.6	20		- 27	coarse gravel. (Outwash) (Holy Hill Formation)						***				
S6	30		28							W				
			- 29											
			E 29											
	-		30											
			_31											
			E		SM									
S7	47		_32							w				
57	7/		33							''				
			= -34											
			Ē											
			35											
			36	Brown (10YR 4/3), fine to coarse broken angular										
			E 37	pieces of dolomite.										
S8	26		-37	End of boring at 37' bgs due to refusal on possible bedrock. Abandoned borehole with bentonite grout						W				Refusal at 37'
				and bentonite chips.										bgs.
_	1 I		I	I	I	1		I	1	I	I	l	I	I

Sun Prairie

WI

53590

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

01/09/2023

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 Waste Management Other: 1. Well Location Information 2. Facility / Owner Information County WI Unique Well # of Hicap # **Facility Name** Removed Well Dane County Landfill No.3 (Proposed) Dane B-216 Facility ID (FID or PWS) Latitude / Longitude (see instructions) Format Code Method Code GPS008 DD N License/Permit/Monitoring # SCR002 W OTH001 1/4 / 1/4 NW ¹∕₄ SE Section Township Range Original Well Owner XE Dane County Department of Waste and Renewables 7 N or Gov't Lot# 25 10 Present Well Owner Well Street Address Dane County Department of Waste and Renewables 7101 US Highway 12 & 18 Mailing Address of Present Owner Well City, Village or Town Well ZIP Code 1919 Alliant Energy Center Way Madison, WI 53718 City of Present Owner State ZIP Code **Subdivision Name** Lot# Madison WI 53713 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 **Temporary Borehole** Liner(s) removed? X N/A Yes No 3. Filled & Sealed Well / Drillhole / Borehole Information X N/A Liner(s) perforated? Yes No Original Construction Date (mm/dd/yyyy) Monitoring Well Screen removed? Yes No X N/A 01/09/2023 Water Well Casing left in place? Yes No X N/A If a Well Construction Report is available, X Borehole / Drillhole Was casing cut off below surface? Yes No X N/A please attach. Did sealing material rise to surface? X Yes No Construction Type: N/A Did material settle after 24 hours? X Yes No N/A Drilled Driven (Sandpoint) Dug If yes, was hole retopped? X Yes N/A X Other (specify): Geoprobe/Direct Push If bentonite chips were used, were they hydrated Formation Type: with water from a known safe source? X Unconsolidated Formation Required Method of Placing Sealing Material Bedrock Conductor Pipe-Gravity X Conductor Pipe-Pumped Total Well Depth From Ground Surface (ft.) Casing Diameter (in.) Screened & Poured Other (Explain): 37 (Bentonite Chips) Lower Drillhole Diameter (in.) Casing Depth (ft.) Sealing Materials **Neat Cement Grout** X Bentonite Grout NA 2.3 Sand-Cement (Concrete) Grout X Bentonite Chips Was well annular space grouted? X No Yes Unknown For Monitoring Wells and Monitoring Well Boreholes Only: If yes, to what depth (feet)? Depth to Water (feet) **Bentonite Chips** Bentonite - Cement Grout NA ~11 **Granular Bentonite** Bentonite - Sand Slurry No. Yards, Sacks Sealant or Mix Ratio or 5. Material Used to Fill Well / Drillhole From (ft.) To (ft.) Mud Weight Volume (circle one) 3/8" Bentonite Chips Surface 0.5 0.08 lbs dry mix **Bentonite Grout** 0.5 37 7-gallons 2lbs/gal 6. Comments Boring B-216 7. Supervision of Work **DNR Use Only** Date of Filling & Sealing or Verification Name of Person or Firm Doing Filling & Sealing License # Date Received Noted By (mm/dd/yyyy) 01/09/2023 On-site Environmental Services, Inc Street or Route Telephone Number Comments PO Box 280 608)837-8992 City State ZIP Code Signature of Person Doing Work Date Signed

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

			<u>Ro</u>	ute To:	Watershed/W	Vastewater	Waste	_	gement	\boxtimes							
					Remediation	Redevelopment	Other										
																Page	1 of 2
	ty/Proje			I 2 (D	1)	GGG# 05000 60.00	License/	Permit/	/Monito	ring N	ımber		Boring				
					roposed) hief (first, last) a	SCS#: 25222268.00	Date Dri	lling S	tarted		Dat	te Drilli		B-21		Drill	ing Method
	1y Kap	•			1101 (11101) 11		Jane 211	5						приста			rect Push
On	-site É	nviro			ices, Inc.)/2023				1/10/2	2023		2"	ID
WI U	nique W	ell No).	DNR V	Well ID No.	Common Well Name			iter Levi eet M			e Elevat 02.3 I		ICI	Bo		Diameter .3"
Local	Grid O	rigin	(es	stimated:	 :	ring Location 🖂	00	1.41		SL_		Local (
	Plane	C			7, 2,168,817		La	t		<u>'</u> —	"			□ N	[J	Feet \square E
SE		of S	E 1	/4 of Sec		T 7 N, R 10 E	Long		°	<u> </u>		****		□ S			□ w
Facili	ty ID				County Dane		County Co	de	City	own/Ci of Ma	-	/ıllage					
Sai	nple				Dane		13		City	oi ivia	dison		Soil	Prope	erties		
Sai	T	1			Soil/P	Rock Description							5011	Порс	lucs		
	tt. & d (in)	unts	Feet			eologic Origin For						l uo					ts
ber Type	th A	Ş	h In			ch Major Unit		CS	hic	ram	Œ	lard	ture	<u>ئ</u> ق	icity		men men
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet			,		N S	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			E	SILT ((ML), very dark	grayish brown (10YR	3/2),	ML	74 1× · · · · · · · ·			1					
			<u></u>		ic rich, with root	s. (Topsoil) ark reddish brown (2.5	(VR 3/4)										
			F *	and br	rown (7.5YR 4/4	1), mostly silt with clay	, some										
			_2	(Loess		ve, uniform, massive, t	race roots.	CL									
S1	41		3									1.0- 2.5	M				
			-3	At 0.5	s' to 4' LEAN CL -si-cl = 4-31-35-	AY (CL)						2.3					
			<u>-</u> 4	_LL=44	4, PI=24				23232								
			E	SILTY	/ SAND (SM), s v fine to medium	strong brown (7.5YR 4 sand and fine to coars	/6), se gravel										
	1		<u>-5</u>	(mostl	ly dolomite), trac	ce clay, uniform, mass Horicon Member)	ive. (Till)			}							
			<u>-</u> 6	(поіу	miii roimation,	Horicon Member)											
			Ē														
			- 7														
S2	31		E 8										M				
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S3	43		<u>-</u> 13										M				
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			14														
			15														
I here	by certi	fy that	13	rmation	on this form is t	rue and correct to the	best of my k	nowle	dge.	1	1	1					1
Signa	-	,	20			ln:	S Engine										
		Ch	T	X	Adar		30 Dairy Dri		adison	WI 537	118						

	ıg Numl	er	B-2	Use only as an attachment to Form 4400-	122.	1 1			T	0.1	D		Page	2 of 2
Number and Type	Length Att. & dd Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	ity	P 200	RQD/ Comments
S4	51		-16 -17 -18 -19 -20						0.25	М				Measured depth to water at 20.85' bgs.
S5	60		-21 -22 -23 -24 -24		SM					W				Driller noted drilling became difficult/hard at 22' bgs.
S6	60		-26 -27 -28 -29	With some sorted sand (SP-SM) and silt (ML) layers. Strong brown (7.5YR 5/6), dense, very hard.					4.0	W				
S7	12		31	Refusal, end of boring at 31' bgs in till. Abandoned borehole with bentonite grout and bentonite chips.						W				Refusal due to bedrock. Dolomite bedrock at 31' bgs at boring B-217C.

Sun Prairie

WI

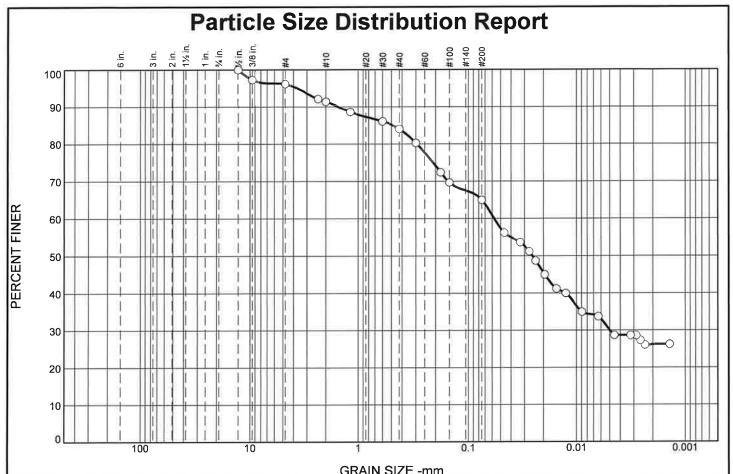
53590

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

01/10/2023

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 Waste Management Other: 1. Well Location Information 2. Facility / Owner Information County WI Unique Well # of Hicap # **Facility Name** Removed Well Dane County Landfill No.3 (Proposed) Dane B-217 Facility ID (FID or PWS) Latitude / Longitude (see instructions) Format Code Method Code GPS008 DD N License/Permit/Monitoring # SCR002 W OTH001 1/4 / 1/4 SE ¹∕₄ SE Section Township Range Original Well Owner XE Dane County Department of Waste and Renewables 7 N or Gov't Lot# 25 10 Present Well Owner Well Street Address Dane County Department of Waste and Renewables 7101 US Highway 12 & 18 Mailing Address of Present Owner Well City, Village or Town Well ZIP Code 1919 Alliant Energy Center Way Madison, WI 53718 City of Present Owner State ZIP Code **Subdivision Name** Lot# Madison WI 53713 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 **Temporary Borehole** Liner(s) removed? X N/A Yes No 3. Filled & Sealed Well / Drillhole / Borehole Information X N/A Liner(s) perforated? Yes No Original Construction Date (mm/dd/yyyy) Monitoring Well Screen removed? Yes No X N/A 01/10/2023 Water Well Casing left in place? Yes No X N/A If a Well Construction Report is available, X Borehole / Drillhole Was casing cut off below surface? Yes No X N/A please attach. Did sealing material rise to surface? X Yes No Construction Type: N/A Did material settle after 24 hours? X Yes No N/A Drilled Driven (Sandpoint) Dug If yes, was hole retopped? X Yes N/A X Other (specify): Geoprobe/Direct Push If bentonite chips were used, were they hydrated Formation Type: with water from a known safe source? X Unconsolidated Formation Required Method of Placing Sealing Material Bedrock Conductor Pipe-Gravity X Conductor Pipe-Pumped Total Well Depth From Ground Surface (ft.) Casing Diameter (in.) Screened & Poured Other (Explain): 31 (Bentonite Chips) Lower Drillhole Diameter (in.) Casing Depth (ft.) Sealing Materials **Neat Cement Grout** |X | Bentonite Grout NA 2.3 Sand-Cement (Concrete) Grout X Bentonite Chips Was well annular space grouted? X No Yes Unknown For Monitoring Wells and Monitoring Well Boreholes Only: If yes, to what depth (feet)? Depth to Water (feet) **Bentonite Chips** Bentonite - Cement Grout NA ~20 **Granular Bentonite** Bentonite - Sand Slurry No. Yards, Sacks Sealant or Mix Ratio or 5. Material Used to Fill Well / Drillhole From (ft.) To (ft.) Mud Weight Volume (circle one) 3/8" Bentonite Chips Surface .16 lbs 1 dry mix **Bentonite Grout** 1 31 5.5-gallons 2lbs/gal 6. Comments Boring B-217 7. Supervision of Work **DNR Use Only** Date of Filling & Sealing or Verification Name of Person or Firm Doing Filling & Sealing License # Date Received Noted By (mm/dd/yyyy) 01/10/2023 On-site Environmental Services, Inc Street or Route Telephone Number Comments PO Box 280 608)837-8992 City State ZIP Code Signature of Person Doing Work Date Signed



	11.			OI VAIIV OIZ	<u>. – – – – – – – – – – – – – – – – – – –</u>		
B/ + DV	% Gr	avel		% Sand		% Fi	nes
% +3"	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	3.9	4.7	7.3	19.1	35.0	30.0

h	SIEVE	PERCENT	SPEC.*	PASS?
ı	SIZE	FINER	PERCENT	(X=NO)
	1/2	100.0		
	3/8	97.3		
	#4	96.1		
	#8	92.1		
	#10	91.4		
	#16	88.6		
Ü	#30	86.1		
	#40	84.1		
	#50	80.3		
	#80	72.4		
	#100	69.6		
	#200	65.0		

	Material Descriptio	<u>n</u>								
Brown Lean Clay	y, Some Sand, Trace G	ravel								
PL= 20	Atterberg Limits LL= 44	PI= 24								
D ₉₀ = 1.5418 D ₅₀ = 0.0253 D ₁₀ =	Coefficients D ₈₅ = 0.4848 D ₃₀ = 0.0050 C _u =	D ₆₀ = 0.0575 D ₁₅ = C _c =								
USCS= CL	Classification AASHT	O= A-7-6(14)								
<u>Remarks</u>										

* (no specification provided)

Sample Number: B217 Depth: 0.5'-4'

CGC,Inc.

Client: SCS Engineers

Project: Dane Couty Yahara Hills

Project No: C22011-8

Figure

Date: 3/8/23

Tested By: JFS Checked By: KJS

State of Wisconsin SOIL BORING LOG INFORMATION Department of Natural Resources Form 4400-122 Watershed/Wastewater Waste Management Route To: Remediation/Redevelopment Other 1 of 3 Facility/Project Name License/Permit/Monitoring Number Boring Number Dane County Landfill No. 3 (Proposed) SCS#: 25222268.00 B-217C Boring Drilled By: Name of crew chief (first, last) and Firm Date Drilling Started Date Drilling Completed Drilling Method HSA 4.25" ID & Scott Klumb Soils & Engineering Services, Inc. 2/14/2023 2/15/2023 **HQ** Core WI Unique Well No. DNR Well ID No. Common Well Name Final Static Water Level Surface Elevation Borehole Diameter 902.3 Feet MSL 8.3" & 3.8 " Local Grid Origin (estimated:) or Boring Location Local Grid Location 0 Lat 379,187 N, 2,168,817 E State Plane S/C/N Feet \square N Feet E 0 SE 1/4 of SE1/4 of Section 25, N, R 10 E \square S \square W т 7 Long Civil Town/City/ or Village Facility ID County County Code Dane 13 City of Madison Soil Properties Sample Soil/Rock Description And Geologic Origin For Each Major Unit

Length Att. & Recovered (in) Depth In Feet Blow Counts Standard Penetration Comments Number and Type Diagram PID/FID Moisture Plasticity Graphic Content Liquid USC Limit Index P 200 Well Log Blind drilled to 31' bgs. (See B-217 log for lithology from 0' to 31' bgs.) - 1 -2 - 3 - 5 6 g 10 12 -13 14

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature ()		Firm	SCS Engineers
1 Village	Jackie Rennebohm, PG		2830 Dairy Drive, Madison, WI 53718

Boring Nun	nber	B-2	Use only as an attachment to Form 4400-1	122.								Page	2 of 3
Sample									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	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
		-16 -17 -18 -19 -20 -21 -22 -23 -24 -25 -26 -27 -28 -29 -30 -31	Blind drilled to 31' bgs. (See B-217 log for lithology from 0' to 31' bgs.)										
Rum 1 120		-32 -33 -34 -35 -36 -37 -38 -39 -40	DOLOMITE (DL1), gray (10YR 6/1) to light yellowish brown (10YR 6/4), massive to planar laminated bedding, trace chert, fossiliferous. (Sinnipee Group, Galena Formation). From approximately 33' to 51.5' bgs, dolomite is interbedded with black shale, the bedding is mottled.	DL1									FF=0.6/ft, Percent Recovery=100%, RQD=73%, fair

	g Numb	er	B-2	Use only as an attachment to Form 4400-	122.	T			T				Page	3 of 3
San	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	ISCS	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
Run 2	120		-41 -42 -43 -44 -45 -46 -47 -48 -49 -50	DOLOMITE (DL1), gray (10YR 6/1) to light yellowish brown (10YR 6/4), massive to planar laminated bedding, trace chert, fossiliferous. (Sinnipee Group, Galena Formation). End of boring at 51.5' bgs in dolomite. Abandoned borehole with bentonite grout and bentonite chips.	DL1									FF=0.6/ft, Percent Recovery=100%, RQD=98%, Excellent

Madison

WI

53713

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

02/15/2023

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 Waste Management Other: 1. Well Location Information 2. Facility / Owner Information County WI Unique Well # of Hicap # **Facility Name** Removed Well Dane County Landfill No.3 (Proposed) Dane B-217C Facility ID (FID or PWS) Latitude / Longitude (see instructions) Format Code Method Code **GPS008** DD N License/Permit/Monitoring # SCR002 W OTH001 1/4 / 1/4 SE ¹∕₄ SE Section Township Original Well Owner XE Dane County Department of Waste and Renewables 7 N or Gov't Lot# 25 10 Present Well Owner Well Street Address Dane County Department of Waste and Renewables 7101 US Highway 12 & 18 Mailing Address of Present Owner Well City, Village or Town Well ZIP Code 1919 Alliant Energy Center Way Madison, WI 53718 City of Present Owner State ZIP Code **Subdivision Name** Lot# Madison WI 53713 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 **Temporary Borehole** Liner(s) removed? X N/A Yes No 3. Filled & Sealed Well / Drillhole / Borehole Information X N/A Liner(s) perforated? Yes No Original Construction Date (mm/dd/yyyy) Monitoring Well Screen removed? Yes No X N/A 02/15/2023 Water Well Casing left in place? Yes No X N/A If a Well Construction Report is available. X Borehole / Drillhole Was casing cut off below surface? Yes No X N/A please attach. Did sealing material rise to surface? X Yes No Construction Type: N/A Did material settle after 24 hours? X Yes No N/A X Drilled Driven (Sandpoint) Dug If yes, was hole retopped? X Yes N/A Other (specify): If bentonite chips were used, were they hydrated Formation Type: with water from a known safe source? X Unconsolidated Formation Required Method of Placing Sealing Material X Bedrock Conductor Pipe-Gravity X Conductor Pipe-Pumped Total Well Depth From Ground Surface (ft.) Casing Diameter (in.) Screened & Poured Other (Explain): 51.5 (Bentonite Chips) Lower Drillhole Diameter (in.) Casing Depth (ft.) Sealing Materials **Neat Cement Grout** X Bentonite Grout NA 8.3 to 3.8 Sand-Cement (Concrete) Grout X Bentonite Chips Was well annular space grouted? X No Yes Unknown For Monitoring Wells and Monitoring Well Boreholes Only: If yes, to what depth (feet)? Depth to Water (feet) **Bentonite Chips** Bentonite - Cement Grout 51.5 ~20 **Granular Bentonite** Bentonite - Sand Slurry No. Yards, Sacks Sealant or Mix Ratio or 5. Material Used to Fill Well / Drillhole From (ft.) To (ft.) Mud Weight Volume (circle one) **Bentonite Chips** Surface 17.5 100 lbs dry mix **Bentonite Grout** 17.5 51.5 50-gallons 2lbs/gal 6. Comments Boring B-217C 7. Supervision of Work **DNR Use Only** Date of Filling & Sealing or Verification Name of Person or Firm Doing Filling & Sealing License # Date Received Noted By (mm/dd/yyyy) 02/15/2023 Soils & Engineering Services, Inc. Street or Route Telephone Number Comments 1102 Stewart St 608)274-7600 City State ZIP Code Signature of Person Doing Work Date Signed

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

			<u>Rc</u>	oute To:	Watershed/ Remediation		ter \square	Waste Other	_	ement	\bowtie							
																	Page	1 of 1
	ity/Proje			No. 3 (Pr	roposed)	SCS#	: 25222268.00	License/	Permit/	Monito	ring N	umber		Boring	Number Number 1			
					ief (first, last)			Date Dri	lling St	arted		Da	te Drilli				Drill	ing Method
On		nviro			ces, Inc.				1/10	/2023				1/10/2	2023		2"	irect Push ID
WI U	Inique V	Vell No).	DNR V	Well ID No.	Comn	non Well Name	Final Sta	tic Wa	ter Leve	el		e Eleva		/CT	Bo		Diameter .3"
Local	Grid C	rigin	☐ (e	stimated:) or B	oring Loc	cation 🖂					8	89.0 I	Grid Lo				.3"
	Plane	_			2,169,46		S/C/N	La		°	<u>'</u> —			Feet	□ N]	Feet \square E
NE Facili	ity ID	of S	E :	1/4 of Sect	county 25,	т 7	N, R 10 E	Long	g	Civil T			Village		□ S			□ W
raciii	ity ID				Dane			13	de			dison	_					
Sa	mple							1						Soil	Prope	rties		
	(E) &		et		Soil	Rock De	scription										I	
e r	Att.	ount	n Fe		And (Geologic	Origin For		N	0			d tion	e t		ty	I	suts
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet		Е	ach Majo	r Unit		USC	Graphic Log	Well	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			-1		ML), very darke rich, with roo		brown (10YR	3/2),	ML	74 1× 1/4	4							
			-1	LEAN	CLAY (CL),	strong br	own (7.5YR 4	/6), mostly									I	
			E_2	massive	e, trace roots	and rock.	soft, cohesive, (Loess)	, uniiorm,									I	
S1	29		E 2						CI				0.25,	M			I	
			-3						CL				1.5-2.0				I	
			E_4										2.0				I	
			ŧ.														I	
H	+		<u>-</u> 5	SILTY	SAND (SM),	strong b	rown (7.5YR 4	1/6),									I	
			E_6	mostly	fine sand with	h mediun	n to coarse sand el (mostly dolo	d and									I	
			F	uniforn	n, massive, ve	ry soft. (Γill) (Holy Hill										I	
			-7	Tomat	ion, moneon	(VICIIIOCI)											I	
S2	49		E_8										2.0	W			I	
			-9														I	
			<u>-</u> 9						SM								l	
			10														I	
			E 10	Trace l	lenses of clay and dolomite.	and piece	s of gray, very	fine			:						I	
			-11	grunice	· dolollino.												l	
			Ė ,,														I	
S3	40		12										3.0	w			I	Refusal due to
33	40		-13	Refusa	l end of borir	og at 13' h	ogs in till. Abar	ndoned					3.0	, vv			I	bedrock. Dolomite
				boreho	le with bentor	nite grout	and bentonite	chips.									I	bedrock at 14.5' bgs at boring B-218C.
																	l	2 2100.
<u> </u>	har a a a a	£, 41 4	the inc		on this farm	. t-m 1	20mme at 4 - 41-	hoot of 1	marr.1:	100								
I here Signa	-	uy that	ine info	ormation o	JII UIIS IOFM IS	irue and	Firm SC	CS Engine		ige.								
_		(h	A	A	dam Wat	50	30 Dairy Dr		dison,	WI 53′	718						

Sun Prairie

WI

53590

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

01/10/2023

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 Waste Management Other: 1. Well Location Information 2. Facility / Owner Information County WI Unique Well # of Hicap # **Facility Name** Removed Well Dane County Landfill No.3 (Proposed) Dane B-218 Facility ID (FID or PWS) Latitude / Longitude (see instructions) Format Code Method Code GPS008 DD N License/Permit/Monitoring # SCR002 \square DDM W OTH001 1/4 / 1/4 NE ¹∕₄ SE Section Township Range Original Well Owner XE Dane County Department of Waste and Renewables 7 N or Gov't Lot# 25 10 Present Well Owner Well Street Address Dane County Department of Waste and Renewables 7101 US Highway 12 & 18 Mailing Address of Present Owner Well City, Village or Town Well ZIP Code 1919 Alliant Energy Center Way Madison, WI 53718 City of Present Owner State ZIP Code **Subdivision Name** Lot# Madison WI 53713 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 **Temporary Borehole** Liner(s) removed? X N/A Yes No 3. Filled & Sealed Well / Drillhole / Borehole Information X N/A Liner(s) perforated? Yes No Original Construction Date (mm/dd/yyyy) Monitoring Well Screen removed? Yes No X N/A 01/10/2023 Water Well Casing left in place? Yes No X N/A If a Well Construction Report is available, X Borehole / Drillhole Was casing cut off below surface? Yes No X N/A please attach. Did sealing material rise to surface? X Yes No Construction Type: N/A Did material settle after 24 hours? X Yes No N/A Drilled Driven (Sandpoint) Dug If yes, was hole retopped? X Yes N/A X Other (specify): Geoprobe/Direct Push If bentonite chips were used, were they hydrated Formation Type: with water from a known safe source? X Unconsolidated Formation Required Method of Placing Sealing Material Bedrock Conductor Pipe-Gravity X Conductor Pipe-Pumped Total Well Depth From Ground Surface (ft.) Casing Diameter (in.) Screened & Poured Other (Explain): 13 (Bentonite Chips) Lower Drillhole Diameter (in.) Casing Depth (ft.) Sealing Materials **⋉** Bentonite Grout **Neat Cement Grout** NA 2.3 Sand-Cement (Concrete) Grout X Bentonite Chips Was well annular space grouted? X No Yes Unknown For Monitoring Wells and Monitoring Well Boreholes Only: If yes, to what depth (feet)? Depth to Water (feet) **Bentonite Chips** Bentonite - Cement Grout NA **Granular Bentonite** Bentonite - Sand Slurry No. Yards, Sacks Sealant or Mix Ratio or 5. Material Used to Fill Well / Drillhole From (ft.) To (ft.) Mud Weight Volume (circle one) 3/8" Bentonite Chips Surface .16 lbs 1 dry mix **Bentonite Grout** 1 13 2-gallons 2lbs/gal 6. Comments Boring B-218 7. Supervision of Work **DNR Use Only** Date of Filling & Sealing or Verification Name of Person or Firm Doing Filling & Sealing License # Date Received Noted By (mm/dd/yyyy) 01/10/2023 On-site Environmental Services, Inc Street or Route Telephone Number Comments PO Box 280 608)837-8992 City State ZIP Code Signature of Person Doing Work Date Signed

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

			Ro	ute To:	Watershed/V	Wastewater	Waste	Manag	ement	\geq								
					Remediation	/Redevelopment	Other											
																	Page	1 of 3
Facilit	y/Projec	ct Nam	ne				License/	Permit/	Monit	orin	ıg Nu	mber		Boring		er		
					roposed)	SCS#: 25222268.00		11: 0:	1			l D	- D :11:		B-21		TD 31	
_	g Drilled tt Klui	-	Name o	i crew ch	ief (first, last) a	and Firm	Date Dri	lling Si	tarted			Da	te Drilli	ng Con	npietea			ing Method
Soil	ls & E	ngine	ering S	Services	s, Inc.	10 W 113	F: 1.0		/202					2/16/2	2023		H	SA 4.25" ID Q Core
WI Un	nique W	ell No	•	DNR V	Well ID No.	Common Well Name	e Final Sta	itic Wa	ter Le	vel	,		e Elevat 89.0 F		ıcı	Bo		Diameter " & 3.8"
Local	Grid Oı	rigin	☐ (es	stimated:) or Be	ring Location							Local C				0.5	<u> </u>
State		U			2,169,464	_	La	ıt	°			"			: □ N	1]	Feet \square E
NE		of S	E 1	/4 of Sec		т 7 N, R 10 Е	Long		°						\Box s			□ w
Facilit	y ID				County		County Co	de				-	Village					
	1				Dane		13		City	ot	Mac	lison		G '1	D.			T
San	nple													Soil	Prope	erties		-
	t. & (ii)	nts	eet			Rock Description							-					
er 'pe	Att ered	Cour	In F			eologic Origin For		N N	.ي		В	А	rd	re l		ity		ents
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet		Ea	ch Major Unit		USC	Graphic	Well	w en Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			<u> </u>	Blind o	drilled to 14.6' l	bgs. nology from 0' to 13' by	ac)			1			, v. –					
			-1	(See D.	-216 log loi ilu	lology from 0 to 13 0;	gs. <i>)</i>											
			E															
			-2															
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Г			_ 	DOLO	MITE (DL2), 1	ight brownish gray (10)YR 6/2)	DL2										
I herek	v certit	fy that	1 13			true and correct to the		nowle	lge				1	<u> </u>	<u> </u>			
Signat	-	ry mat		1111411011	JII UIIS 101111 IS	l-v			age.									
ي	1	Mr	Kny	2	Jackie Renne		CS Engine 30 Dairy Dri		dison,	, WI	I 537	18						

	g Numb	er	B-2	Use only as an attachment to Form 4400-	122.								Page	2 of 3
Sar	nple									Soil	Prope	rties		
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	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
Run 1	23.5		-16 -17 -18 -19 -20	and light yellowish brown (10YR 6/4), massive, minor chert. (Sinnipee Group, Platteville Formation) DOLOMITE (DL2), light brownish gray (10YR 6/2) and light yellowish brown (10YR 6/4), massive, minor chert. (Sinnipee Group, Platteville Formation)										FF=2.55/ft Percent Recovery=33% RQD=8.3%, very poor
Run 2	94		-21 -22 -23 -24 -25 -26 -27 -28 -29 -30	Gray (10YR 5/1), thinly bedded with shale and/or silt, bedding is wavy and or nodular, fossiliferous. SANDSTONE (SS4), very dark grayish brown (10YR 3/2), fine to medium grained, well sorted. (Ancell Group) No recovery, likely sandstone as above.	DL2									FF=0.89/ft Percent Recovery=78% RQD=67%, fair
Run 3	0		-31 -32 -33 -34 -35 -36 -37 -38 -39 -40	No recovery, likely sandstone as above.										No recovery, sand washed out of core barrel.

B-218C Boring Number Use only as an attachment to Form 4400-122. Page 3 of 3 Soil Properties Sample Length Att. & Recovered (in) Soil/Rock Description Depth In Feet Blow Counts Standard Penetration RQD/ Comments Number and Type And Geologic Origin For Moisture Content Plasticity Index Well Diagram Graphic Log PID/FID USCS Liquid Limit Each Major Unit P 200 End of boring at 40.6' bgs in probable sandstone. Abandoned borehole with bentonite grout and bentonite chips.

Madison

WI

53713

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

02/16/2023

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 Waste Management Other: 1. Well Location Information 2. Facility / Owner Information County WI Unique Well # of Hicap # **Facility Name** Removed Well Dane County Landfill No.3 (Proposed) Dane B-218C Facility ID (FID or PWS) Latitude / Longitude (see instructions) Format Code Method Code GPS008 DD N License/Permit/Monitoring # SCR002 \square DDM W OTH001 1/4 / 1/4 NE ¹∕₄ SE Section Township Range Original Well Owner XE Dane County Department of Waste and Renewables 7 N or Gov't Lot# 25 10 Present Well Owner Well Street Address Dane County Department of Waste and Renewables 7101 US Highway 12 & 18 Mailing Address of Present Owner Well City, Village or Town Well ZIP Code 1919 Alliant Energy Center Way Madison, WI 53718 City of Present Owner State ZIP Code **Subdivision Name** Lot# Madison WI 53713 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 **Temporary Borehole** Liner(s) removed? X N/A Yes No 3. Filled & Sealed Well / Drillhole / Borehole Information X N/A Liner(s) perforated? Yes No Original Construction Date (mm/dd/yyyy) Monitoring Well Screen removed? Yes No X N/A 02/16/2023 Water Well Casing left in place? Yes No X N/A If a Well Construction Report is available, X Borehole / Drillhole Was casing cut off below surface? Yes No X N/A please attach. Did sealing material rise to surface? X Yes No Construction Type: N/A Did material settle after 24 hours? X Yes No N/A X Drilled Driven (Sandpoint) Dug If yes, was hole retopped? X Yes N/A Other (specify): If bentonite chips were used, were they hydrated Formation Type: with water from a known safe source? X Unconsolidated Formation Required Method of Placing Sealing Material X Bedrock Conductor Pipe-Gravity X Conductor Pipe-Pumped Total Well Depth From Ground Surface (ft.) Casing Diameter (in.) Screened & Poured Other (Explain): 40.6 (Bentonite Chips) Lower Drillhole Diameter (in.) Casing Depth (ft.) Sealing Materials **⋉** Bentonite Grout **Neat Cement Grout** NA 3.8 - 8.3Sand-Cement (Concrete) Grout X Bentonite Chips Was well annular space grouted? X No Yes Unknown For Monitoring Wells and Monitoring Well Boreholes Only: If yes, to what depth (feet)? Depth to Water (feet) **Bentonite Chips** Bentonite - Cement Grout NA **Granular Bentonite** Bentonite - Sand Slurry No. Yards, Sacks Sealant or Mix Ratio or 5. Material Used to Fill Well / Drillhole From (ft.) To (ft.) Mud Weight Volume (circle one) 3/8" Bentonite Chips Surface 2.25 50 lbs dry mix **Bentonite Grout** 2.25 50-gallons 40.6 2lbs/gal 6. Comments Boring B-218C 7. Supervision of Work **DNR Use Only** Date of Filling & Sealing or Verification Name of Person or Firm Doing Filling & Sealing License # Date Received Noted By (mm/dd/yyyy) 02/16/2023 Soils & Engineering Services, Inc. Street or Route Telephone Number Comments 1102 Stewart St 608)274-7600 City State ZIP Code Signature of Person Doing Work Date Signed

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

			<u>Ro</u>	ute To:	Watershed Remediation		ter \square		te Mana er 🔲	age	ment	\bowtie								
																			Page	1 of 1
	y/Projec			No. 3 (Pro	onosed)	SCS#	: 25222268.0		se/Perm	it/N	Ionito	ring	Nun	nber		Boring	Number ST-2			
					ef (first, last)				Drilling	Sta	rted			Dat	e Drilli	ng Con			Drill	ing Method
	tt Klu s & E		ering (Services,	. Inc.				3/3	8/2	2023					3/8/20	023		SS	SA
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ocal	Grid O	 rigin	☐ (es	stimated:	 	Boring Loc	cation 🖂			_						Feet M			4	.3"
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ber ype	Length Att. & Recovered (in)	Blow Counts	Depth In Feet			Geologic Each Majo	Origin For or Unit		CS	!	hic		am	EID.	lard ratio	ture	٠, ت	city		/ nents
Number and Type	Length Att. & Recovered (in	Blow	Dept]		_	wen mage			OSO	!	Graphic Log	Well	Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
S1	15.5			LEAN (clay, so trace ro	CLAY, brow ome fine sand oots. (Loess)	n (10YR , soft, col	4/4), mostly s nesive, uniformoess. Abando	silt with n, massive	; сп						0.75	M				Shelby tube sample from 2-3.5 feet bgs.
herel	by certif	fy that	the info	rmation o	n this form i	s true and	correct to the	e best of m	y knowl	ledg	ge.				I	I				I
Signat	ure	N	7		Αι	lam Wats		CS Engire		/lad	lison '	WI 5	371	8						

Madison

WI

53713

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

03/08/2023

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 Waste Management Other: 1. Well Location Information 2. Facility / Owner Information County WI Unique Well # of Hicap # Facility Name Removed Well Dane County Landfill No.3 (Proposed) Dane ST-218 Facility ID (FID or PWS) Latitude / Longitude (see instructions) Format Code Method Code **GPS008** DD N License/Permit/Monitoring # SCR002 \square DDM W OTH001 1/4 / 1/4 NE ¹∕₄ SE Section Township Original Well Owner XE Dane County Department of Waste and Renewables 7 N or Gov't Lot# 25 10 Present Well Owner Well Street Address Dane County Department of Waste and Renewables 7101 US Highway 12 & 18 Mailing Address of Present Owner Well City, Village or Town Well ZIP Code 1919 Alliant Energy Center Way Madison, WI 53718 City of Present Owner State ZIP Code **Subdivision Name** Lot# Madison WI 53713 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 **Temporary Borehole** Liner(s) removed? X N/A Yes No 3. Filled & Sealed Well / Drillhole / Borehole Information X N/A Liner(s) perforated? Yes No Original Construction Date (mm/dd/yyyy) Monitoring Well Screen removed? Yes No X N/A 03/08/2023 Water Well Casing left in place? Yes No X N/A If a Well Construction Report is available, X Borehole / Drillhole Was casing cut off below surface? Yes No X N/A please attach. Did sealing material rise to surface? X Yes No Construction Type: N/A Did material settle after 24 hours? X No Yes N/A X Drilled Driven (Sandpoint) Dug If yes, was hole retopped? Yes X No N/A Other (specify): If bentonite chips were used, were they hydrated X Yes Formation Type: with water from a known safe source? X Unconsolidated Formation Required Method of Placing Sealing Material Bedrock Conductor Pipe-Gravity Conductor Pipe-Pumped Total Well Depth From Ground Surface (ft.) Casing Diameter (in.) Screened & Poured Other (Explain): (Bentonite Chips) Lower Drillhole Diameter (in.) Casing Depth (ft.) Sealing Materials **Neat Cement Grout** Bentonite Grout NA 4.3 Sand-Cement (Concrete) Grout X Bentonite Chips X No Was well annular space grouted? Yes Unknown For Monitoring Wells and Monitoring Well Boreholes Only: If yes, to what depth (feet)? Depth to Water (feet) **Bentonite Chips** Bentonite - Cement Grout **Granular Bentonite** Bentonite - Sand Slurry No. Yards, Sacks Sealant or Mix Ratio or 5. Material Used to Fill Well / Drillhole From (ft.) To (ft.) Mud Weight Volume (circle one) 3/8" Bentonite Chips Surface 3.5 7 lbs dry mix 6. Comments Shelby Tube ST-218 7. Supervision of Work **DNR Use Only** Date of Filling & Sealing or Verification Name of Person or Firm Doing Filling & Sealing License # Date Received Noted By (mm/dd/yyyy) 03/08/2023 Soils & Engineering Services, Inc. Street or Route Comments Telephone Number 1102 Stewart St 608)274-7600 City State ZIP Code Signature of Person Doing Work Date Signed

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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																	Page	1 of 2
	y/Projec			No. 3 (Pro	onosad)	SCS#, 25222269	8 00	License/I	Permit	/Monito	ring N	umber		Boring	Number B-21			
					ef (first, last) a	SCS#: 25222268 nd Firm	8.00	Date Dril	ling S	tarted		Da	te Drilli				Drill	ing Method
	y Kap			-1 Ci	T				1 /0	/2022				1/0/2	022			rect Push ID
	site Ei			al Servic DNR W	es, inc. Vell ID No.	Common Well N	lame	Final Sta		/2023 ter Leve	el	Surfac	e Elevat	1/9/2 tion	023	Во		Diameter
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SW	1/4	of S		1/4 of Sect	ion 25,	T 7 N, R 10		Long		°	<u>'</u>			1 001				□ W
Facilit	y ID				County Dane			County Co 13	de	City (ity/ or \ idison	_					
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be if	Att.	ount	In Fe			eologic Origin For			S	8			rd rtion	re t		ty		suts
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet		Eac	ch Major Unit			USC	Graphic Log	Well	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			-	SILT (N	AL), very dark rich, with root	grayish brown (10	0YR 3/	/2),	ML	7/1/N .7/1								
			-1	CLAYE	EY SAND (SC)), very dark grayish yellowish brown (1	h brow	/n 2 /4)										
			_2	mostly s	silt with clay, s	some fine sand, sof the roots. (Loess)	ft, cohe	esive,										
S1	17		Ē.	From 0.	i, massive, trac .8' to 5', CLAY i-cl = 4-59-18-	EY SAND (SC)			SC				1.25	M				
			- 3	LL=42,	PI=23	1)							1.5					
			-4															
			E_5							. 1. 1								
			E	mostly 1	fine sand with	trong brown (7.5) medium to coarse	sand a	ınd										
			F-6	uniform	n, massive. (Til	rse gravel (mostly o l) (Holy Hill Form	dolomi ation,	ite), Horicon										
			<u>-</u> 7	Membe	r)													
S2	26		E_8											M				
			E															
			<u>-</u> 9															
-			10	Ctuan a 1	h	4/6) and red (2.5Y	VD 4/0	`	SM									
			Ė	Strong	7.51 K	4/0) and red (2.3 i	1 K 4/0).										
			-11															
			12															
S3	41		E ₋₁₃											M				
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			14															
L			<u>-15</u>	<u> </u>							:							
herel Signat	-	y that	the info	ormation o	n this form is t	rue and correct to				dge.								
		6	R=	A	Ada	m Watson		Enginee Dairy Dri		adison, V	WI 53	718						

Borin	g Numl	oer	B-2	19 Use only as an attachment to Form 4400-1	22.								Page	2 of 2
	nple									Soil	Prope			
	. & (in)	ıts	eet	Soil/Rock Description										
er pe	Att ered	Cour	In F	And Geologic Origin For	N N	.2	H		rd atior	ıre ıt		ity		ents
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Each Major Unit	SC	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
	L R	В		SILTY SAND (SM) strong brown (7 5YR 5/6)	ח	∴¦∴¦∴ Ω ¬	≱ വ	[H	N M	CZ	TT	Pl In	Ь	<u> </u>
			-16	SILTY SAND (SM), strong brown (7.5YR 5/6), mostly fine sand with medium to coarse sand and some clay, fine to coarse gravel (mostly dolomite), uniform, massive. (Till) (Holy Hill Formation, Horicon										
			E 16	uniform, massive. (Till) (Holy Hill Formation, Horicon Member)										
			17	Welliber)										
S4	57		18							M				
			F 10											
			- 19											
	-		20											
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			-21											
			-22											
S5	55		-23		SM					M				
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			-26											
			27											
S6	58		E -28							W				
			E 26											
			29											
			=30	CLAVEY CAND (CC)										
			31	CLAYEY SAND (SC), strong brown (7.5YR 5/6), mostly fine sand with medium to coarse sand, fine to coarse gravel (mostly dolomite), uniform, massive.										
S7	36		-31 - - - -	(Till) (Holy Hill Formation, Horicon Member)	SC				2.0	W				Refusal due to
3/	30		32	POORLY GRADED SAND WITH SILT (SP-SM),					2.5	, w				bedrock. Dolomite
			= -33	olive yellow (2.5Y 6/6), fine to medium sand. (Weathered Dolomite Bedrock)	SP-SM									bedrock at 35' bgs at boring B-219C.
			33	Refusal, end of boring at 33' bgs in dolomite. Abandoned borehole with bentonite grout and										
				bentonite chips.										

Sun Prairie

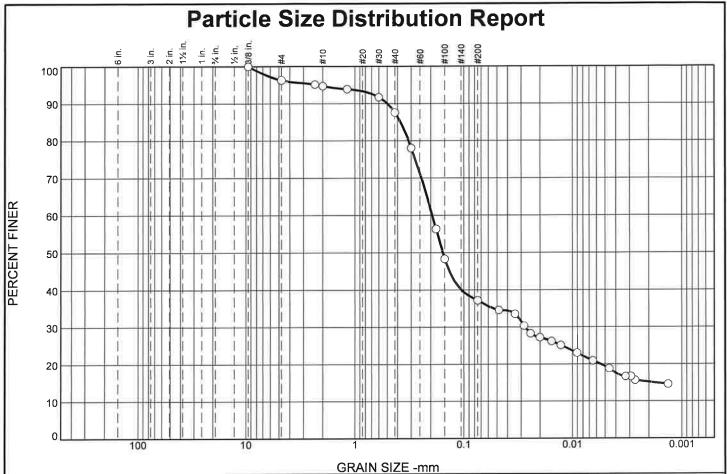
WI

53590

Well / Drillhole / Borehole Filling & Sealing Report

01/09/2023

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 Remediation/Redevelopment Verification Only of Fill and Seal Waste Management Other: 1. Well Location Information 2. Facility / Owner Information County WI Unique Well # of Hicap # **Facility Name** Removed Well Dane County Landfill No.3 (Proposed) Dane B-219 Facility ID (FID or PWS) Latitude / Longitude (see instructions) Format Code Method Code GPS008 DD N License/Permit/Monitoring # SCR002 \square DDM W OTH001 1/4 / 1/4 SW ¹∕₄ SE Section Township Range Original Well Owner XE Dane County Department of Waste and Renewables 7 N or Gov't Lot# 25 10 Present Well Owner Well Street Address Dane County Department of Waste and Renewables 7101 US Highway 12 & 18 Mailing Address of Present Owner Well City, Village or Town Well ZIP Code 1919 Alliant Energy Center Way Madison, WI 53718 City of Present Owner State ZIP Code **Subdivision Name** Lot# Madison WI 53713 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 **Temporary Borehole** Liner(s) removed? X N/A Yes No 3. Filled & Sealed Well / Drillhole / Borehole Information X N/A Liner(s) perforated? Yes No Original Construction Date (mm/dd/yyyy) Monitoring Well Screen removed? Yes No X N/A 01/09/2023 Water Well Casing left in place? Yes No X N/A If a Well Construction Report is available, X Borehole / Drillhole Was casing cut off below surface? Yes No X N/A please attach. Did sealing material rise to surface? X Yes No Construction Type: N/A Did material settle after 24 hours? X Yes No N/A Drilled Driven (Sandpoint) Dug If yes, was hole retopped? X Yes N/A X Other (specify): Geoprobe/Direct Push If bentonite chips were used, were they hydrated Formation Type: with water from a known safe source? X Unconsolidated Formation Required Method of Placing Sealing Material Bedrock Conductor Pipe-Gravity X Conductor Pipe-Pumped Total Well Depth From Ground Surface (ft.) Casing Diameter (in.) Screened & Poured Other (Explain): 33 (Bentonite Chips) Lower Drillhole Diameter (in.) Casing Depth (ft.) Sealing Materials **Neat Cement Grout** X Bentonite Grout NA 2.3 Sand-Cement (Concrete) Grout X Bentonite Chips Was well annular space grouted? X No Yes Unknown For Monitoring Wells and Monitoring Well Boreholes Only: If yes, to what depth (feet)? Depth to Water (feet) **Bentonite Chips** Bentonite - Cement Grout NA ~26 **Granular Bentonite** Bentonite - Sand Slurry No. Yards, Sacks Sealant or Mix Ratio or 5. Material Used to Fill Well / Drillhole From (ft.) To (ft.) Mud Weight Volume (circle one) 3/8" Bentonite Chips Surface 0.5 0.08 lbs dry mix **Bentonite Grout** 0.5 33 2lbs/gal 5-gallons 6. Comments Boring B-219 7. Supervision of Work **DNR Use Only** Date of Filling & Sealing or Verification Name of Person or Firm Doing Filling & Sealing License # Date Received Noted By (mm/dd/yyyy) 01/09/2023 On-site Environmental Services, Inc Street or Route Telephone Number Comments PO Box 280 608)837-8992 City State ZIP Code Signature of Person Doing Work Date Signed



% Fines % Gravel % Sand % +3" Clay Silt Coarse Fine Coarse Medium Fine 19.4 0.0 3.7 7.1 50.4 17.8 0.0 1.6

SIEVE	PERCENT	SPEC.*	PASS?
SIZE	FINER	PERCENT	(X=NO)
3/8	100.0		
#4	96.3		
#8	95.1		
#10	94.7		
#16	93.9		
#30	91.7		
#40	87.6		
#50	78.1		
#80	56.3		
#100	48.3		
#200	37.2		

	Material Descriptio	<u>n</u>
Brown Clayey Sa	nd, Trace Gravel	
PL= 19	Atterberg Limits LL= 42	PI= 23
D ₉₀ = 0.4982 D ₅₀ = 0.1564 D ₁₀ =	Coefficients D ₈₅ = 0.3778 D ₃₀ = 0.0276 C _u =	D ₆₀ = 0.1949 D ₁₅ = 0.0017 C _c =
USCS= SC	Classification AASHT	O= A-7-6(3)
	Remarks	

(no specification provided)

Sample Number: B219

Tested By: JFS

Depth: 10"-5'

Client: SCS Engineers

Project: Dane Couty Yahara Hills

Project No: C22011-8

Figure

Date: 3/14/23

CGC,Inc.

Checked By: KJS

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

			<u>Ro</u>	oute To:		Wastewater	Waste 1	_	ement	\boxtimes							
					Remediation	/Redevelopment	Other	Ш									
Facilit	y/Projec	rt Nam	ie.				License/l	Permit/	Monito	ring Ni	ımher		Boring	Numb		Page	1 of 3
	-			No. 3 (Pro	oposed)	SCS#: 25222268.00		CITIII	ivioiiito	ing ive	imoci			B-21			
					ef (first, last)		Date Dri	lling St	arted		Da	te Drilli	ng Con	npleted		Drill	ing Method
Sub		e Exp		on Servio					2023				2/8/2	023		NQ	A 4.25" ID & Core
WI Un	ique W	ell No		DNR W	ell ID No.	Common Well Name	Final Sta	tic Wa	ter Leve	el		e Elevat		ACT.	Во		Diameter
Local	Grid Or	igin	(e:	stimated:	or Bo	oring Location 🖂					9	01.8 F				8.3	3" & 3"
State		-8			2,168,087		La	t	<u> </u>	<u>'</u>				: 🗆 N	1]	Feet \square E
SW		of Sl	E 1	1/4 of Secti		т 7 N, R 10 E	Long		°	<u>'</u>				\Box s			\square W
Facilit	y ID				County		County Co	de	Civil To		-	Village					
Con	nn1a			1	Dane		13		City	of Ma	aison		Coil	Prope	ontion		<u> </u>
San	nple				Ca:1/	Dools Description							5011	Поре	erties		
	tt. & d (in	ınts	Feet			Rock Description Seologic Origin For						Į ų					χ
ype ype	th At vere	Coc	lh [ich Major Unit		S	nic .	am	Ð	ard	ure	ن	city	_	nent
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet		L	en major em		USC	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
<u> </u>	I M	Щ		Blind dr	rilled to 35' bg	25		-		N 1	<u> </u>	N L	Z 0		P I	Ь	<u> </u>
			- 1	(See B-2	219 log for lit	hology from 0' to 33' by	gs.)										
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			_2														
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I hereb	y certif	y that	the info	ormation of	n this form is	true and correct to the	best of my k	nowled	lge.								
Signat	ure		Oh		Ad		CS Engine 30 Dairy Dri		dison, '	WI 537	18						

SOIL BORING LOG INFORMATION SUPPLEMENT

Form 4400-122A

Borin	g Numl	er	B-2	19C Use only as an attachment to Form 4400-1	22.								Page	2 of 3
	nple									Soil	Prop	erties		
	t. & I (in)	nts	eet	Soil/Rock Description					ے ا					70
ser ype	h At verec	Cou	I lh F	And Geologic Origin For Each Major Unit	S	ıic	am	Ð	ard	ure	ب	city		nents
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Lacii iviajoi Onit	USC	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			-	Blind drilled to 35' bgs. (See B-219 log for lithology from 0' to 33' bgs.)										
			16	(See B-219 log for lithology from 0' to 33' bgs.)										
			_ 17											
			18											
			18											
			19											
			-20											
			E 20											
			21											
			-23											
			- 23											
			-24											
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			34											
			-35											
			E	DOLOMITE (DL2), brownish yellow (2.5Y 6/6), thinly bedded with shale and/or silt, bedding is wavy, with trace small round vugs and gray/green clay. (Sinnipee Group, Platteville Formation).										
			- 36	with trace small round vugs and gray/green clay. (Sinnipee Group, Platteville Formation).										
			37			7								
Run 1	12		<u>-</u> 38		DL2									FF=3/ft Percent Recovery=20% RQD=18%, very
			F			<u></u>								poor
			-39											
			-40			/								

SOIL BORING LOG INFORMATION SUPPLEMENT

Form 4400-122A

Soil/Rock Description And Geologic Origin For Each Major Unit DOLOMITE (DL2), brownish yellow (2.5Y 6/6), thinly bedded with shale and/or silt, bedding is wavy, with trace small round vugs and gray/green clay. (Sinnipee Group, Platteville Formation).	S O S O	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Liquid Liquid	Plasticity Index	P 200	RQD/ Comments
And Geologic Origin For Each Major Unit DOLOMITE (DL2), brownish yellow (2.5Y 6/6), thinly bedded with shale and/or silt, bedding is wavy, with trace small round vugs and gray/green clay.	USC	Graphic	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid	Plasticity Index	P 200	
thinly bedded with shale and/or silt, bedding is wavy, with trace small round vugs and gray/green clay.	DL2									
										FF=3/ft Percent Recovery=40% RQD=9%, very poor
										FF=3/ft Percent Recovery=33% RQD=11%, very poor
Dark gray (2.5Y 4/1) and dark grayish brown (2.5Y 4/2), massive to thinly bedded with shale, with trace small round vugs, fossiliferous. End of boring at 50' bgs in dolomite. Abandoned borehole with bentonite grout and bentonite chips.										poor FF=1.5/ft Percent Recovery=100% RQD=12.5%, very poor
	4/2), massive to thinly bedded with shale, with trace small round vugs, fossiliferous. End of boring at 50' bgs in dolomite. Abandoned borehole with bentonite grout and bentonite chips.	4/2), massive to thinly bedded with shale, with trace small round vugs, fossiliferous. End of boring at 50' bgs in dolomite. Abandoned borehole with bentonite grout and bentonite chips.	4/2), massive to thinly bedded with shale, with trace small round vugs, fossiliferous. End of boring at 50' bgs in dolomite. Abandoned borehole with bentonite grout and bentonite chips.	4/2), massive to thinly bedded with shale, with trace small round vugs, fossiliferous. End of boring at 50' bgs in dolomite. Abandoned borehole with bentonite grout and bentonite chips.	4/2), massive to thinly bedded with shale, with trace small round vugs, fossiliferous. End of boring at 50' bgs in dolomite. Abandoned borehole with bentonite grout and bentonite chips.	4/2), massive to thinly bedded with shale, with trace small round vugs, fossiliferous. End of boring at 50' bgs in dolomite. Abandoned borehole with bentonite grout and bentonite chips.	4/2), massive to thinly bedded with shale, with trace small round vugs, fossiliferous. End of boring at 50' bgs in dolomite. Abandoned borehole with bentonite grout and bentonite chips.	4/2), massive to thinly bedded with shale, with trace small round vugs, fossiliferous. End of boring at 50' bgs in dolomite. Abandoned borehole with bentonite grout and bentonite chips.	4/2), massive to thinly bedded with shale, with trace small round vugs, fossiliferous. End of boring at 50' bgs in dolomite. Abandoned borehole with bentonite grout and bentonite chips.	4/2), massive to thinly bedded with shale, with trace small round vugs, fossiliferous. End of boring at 50' bgs in dolomite. Abandoned borehole with bentonite grout and

Green Bay

WI

54311

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

02/08/2023

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 Waste Management Other: 1. Well Location Information 2. Facility / Owner Information County WI Unique Well # of Hicap # **Facility Name** Removed Well Dane County Landfill No.3 (Proposed) Dane B-219C Facility ID (FID or PWS) Latitude / Longitude (see instructions) Format Code Method Code GPS008 DD N License/Permit/Monitoring # SCR002 W OTH001 1/4 / 1/4 SW ¹∕₄ SE Section Township Range Original Well Owner XE Dane County Department of Waste and Renewables 7 N or Gov't Lot# 25 10 Present Well Owner Well Street Address Dane County Department of Waste and Renewables 7101 US Highway 12 & 18 Mailing Address of Present Owner Well City, Village or Town Well ZIP Code 1919 Alliant Energy Center Way Madison, WI 53718 City of Present Owner State ZIP Code **Subdivision Name** Lot# Madison WI 53713 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 **Temporary Borehole** Liner(s) removed? X N/A Yes No 3. Filled & Sealed Well / Drillhole / Borehole Information X N/A Liner(s) perforated? Yes No Original Construction Date (mm/dd/yyyy) Monitoring Well Screen removed? Yes No X N/A 02/07/2023 Water Well Casing left in place? Yes No X N/A If a Well Construction Report is available, X Borehole / Drillhole Was casing cut off below surface? Yes No X N/A please attach. Did sealing material rise to surface? X Yes No Construction Type: N/A Did material settle after 24 hours? X Yes No N/A X Drilled Driven (Sandpoint) Dug If yes, was hole retopped? X Yes N/A Other (specify): If bentonite chips were used, were they hydrated Formation Type: with water from a known safe source? X Unconsolidated Formation Required Method of Placing Sealing Material X Bedrock Conductor Pipe-Gravity X Conductor Pipe-Pumped Total Well Depth From Ground Surface (ft.) Casing Diameter (in.) Screened & Poured Other (Explain): (Bentonite Chips) Lower Drillhole Diameter (in.) Casing Depth (ft.) Sealing Materials **Neat Cement Grout** |X | Bentonite Grout NA 8.3 to 3.0 Sand-Cement (Concrete) Grout X Bentonite Chips Was well annular space grouted? X No Yes Unknown For Monitoring Wells and Monitoring Well Boreholes Only: If yes, to what depth (feet)? Depth to Water (feet) **Bentonite Chips** Bentonite - Cement Grout NA ~26 **Granular Bentonite** Bentonite - Sand Slurry No. Yards, Sacks Sealant or Mix Ratio or 5. Material Used to Fill Well / Drillhole From (ft.) To (ft.) Mud Weight Volume (circle one) 3\8" Bentonite Chips Surface 8 125 lbs dry mix **Bentonite Grout** 8 50 30-gallons 2lbs/gal 6. Comments Boring B-121 7. Supervision of Work **DNR Use Only** Date of Filling & Sealing or Verification Name of Person or Firm Doing Filling & Sealing License # Date Received Noted By (mm/dd/yyyy) 02/08/2023 Subsurface Exploration Services Street or Route Telephone Number Comments 2900 Lowell Dr. (920)544-4226 City Signature of Person Doing Work State ZIP Code Date Signed

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

			<u>Rc</u>	oute To:	Watershed/W	astewater		_	ement	\boxtimes							
					Remediation/	Redevelopment	Other										
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					roposed) hief (first, last) ar	SCS#: 25222268.00	Date Dri	illing St	arted		Da	ite Drilli			-	Drill	ing Method
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On	-site É	nviro			ices, Inc.				/2023				1/10/2	2023			ID
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Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet		Luc	in iviajor omi		OS O	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
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S2	40		E							:			W			I	Refusal at 9' bgs
			-8			AND WITH GRAVE		SP		•						l	Dolomite bedrock at 9.9'
			<u>_</u> 9	gravel	l, mostly dolomite	te to coarse with fine to e. (Weathered Dolomi		Sr .								I	bgs at boring B-220C.
				Bedro	,	-4.011										l	
L				Aband	doned borehole w	at 9' bgs in dolomite. vith bentonite grout ar	nd									l	
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Sun Prairie

WI

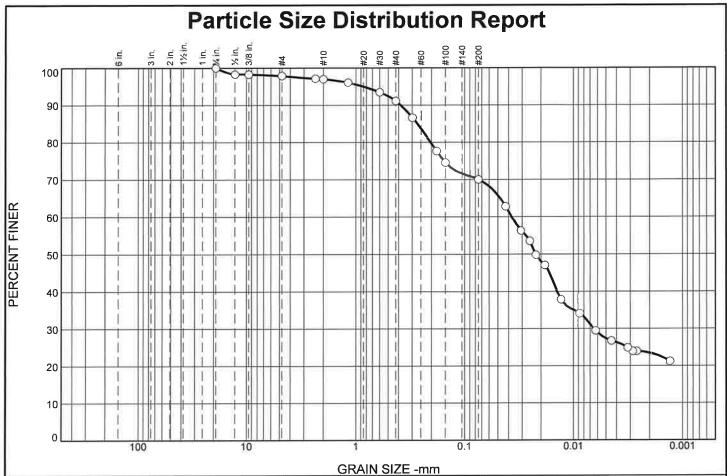
53590

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

01/10/2023

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 Waste Management Other: 1. Well Location Information 2. Facility / Owner Information County WI Unique Well # of Hicap # **Facility Name** Removed Well Dane County Landfill No.3 (Proposed) Dane B-220 Facility ID (FID or PWS) Latitude / Longitude (see instructions) Format Code Method Code GPS008 DD N License/Permit/Monitoring # SCR002 W OTH001 1/4 / 1/4 SE ¹∕₄ SE Section Township Range Original Well Owner XE Dane County Department of Waste and Renewables 7 N or Gov't Lot# 25 10 Present Well Owner Well Street Address Dane County Department of Waste and Renewables 7101 US Highway 12 & 18 Mailing Address of Present Owner Well City, Village or Town Well ZIP Code 1919 Alliant Energy Center Way Madison, WI 53718 City of Present Owner State ZIP Code **Subdivision Name** Lot# Madison WI 53713 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 **Temporary Borehole** Liner(s) removed? X N/A Yes No 3. Filled & Sealed Well / Drillhole / Borehole Information X N/A Liner(s) perforated? Yes No Original Construction Date (mm/dd/yyyy) Monitoring Well Screen removed? Yes No X N/A 01/10/2023 Water Well Casing left in place? Yes No X N/A If a Well Construction Report is available, X Borehole / Drillhole Was casing cut off below surface? Yes No X N/A please attach. Did sealing material rise to surface? X Yes No Construction Type: N/A Did material settle after 24 hours? X Yes No N/A Drilled Driven (Sandpoint) Dug If yes, was hole retopped? X Yes N/A X Other (specify): Geoprobe/Direct Push If bentonite chips were used, were they hydrated Formation Type: with water from a known safe source? X Unconsolidated Formation Required Method of Placing Sealing Material Bedrock Conductor Pipe-Gravity X Conductor Pipe-Pumped Total Well Depth From Ground Surface (ft.) Casing Diameter (in.) Screened & Poured Other (Explain): (Bentonite Chips) Lower Drillhole Diameter (in.) Casing Depth (ft.) Sealing Materials **Neat Cement Grout** |X | Bentonite Grout NA 2.3 Sand-Cement (Concrete) Grout X Bentonite Chips Was well annular space grouted? X No Yes Unknown For Monitoring Wells and Monitoring Well Boreholes Only: If yes, to what depth (feet)? Depth to Water (feet) X Bentonite Chips X Bentonite - Cement Grout NA **Granular Bentonite** Bentonite - Sand Slurry No. Yards, Sacks Sealant or Mix Ratio or 5. Material Used to Fill Well / Drillhole From (ft.) To (ft.) Mud Weight Volume (circle one) 3/8" Bentonite Chips Surface .16 lbs 1 dry mix **Bentonite Grout** 1 9 1.75-gallons 2lbs/gal 6. Comments Boring B-220 7. Supervision of Work **DNR Use Only** Date of Filling & Sealing or Verification Name of Person or Firm Doing Filling & Sealing License # Date Received Noted By (mm/dd/yyyy) 01/10/2023 On-site Environmental Services, Inc Street or Route Telephone Number Comments PO Box 280 608)837-8992 City State ZIP Code Signature of Person Doing Work Date Signed



% Fines % Gravel % Sand % +3" Coarse Medium Fine Silt Clay Coarse Fine 27.4 0.0 0.0 2.1 0.9 5.9 21.1 42.6

SIE	VE	PERCENT	SPEC.*	PASS?
SIZ	ZE	FINER	PERCENT	(X=NO)
3/	4	100.0		
1/	2	98.3		
3/	8	98.3		
#-	4	97.9		
#:	8	97.1		
#1	0	97.0		
#1	6	96.0		
#3	0	93.5		
#4	10	91.1		
#5	0	86.6		
#8	30	77.6		
#10	00	74.6		
#2	00	70.0		

 	12.0	
	Material Description Some Sand, Trace Gra	
PL= 16	Atterberg Limits LL= 33	PI= 17
D ₉₀ = 0.3833 D ₅₀ = 0.0226 D ₁₀ =	Coefficients D85= 0.2721 D30= 0.0065 Cu=	D ₆₀ = 0.0375 D ₁₅ = C _c =
USCS= CL		O= A-6(10)
	<u>Remarks</u>	

(no specification provided)

Sample Number: B220

Depth: 0.8'-5'

Date: 3/14/23

CGC,Inc.

Client: SCS Engineers

Project: Dane Couty Yahara Hills

Project No: C22011-8

Figure

Tested By: JFS Checked By: KJS

SOIL BORING LOG INFORMATION

Resources Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater □ Waste Management □

				Remediation	Redevelopment	Other											
															Page	1 of 1	
	y/Projec			No. 3 (Proposed)	SCS#: 25222268.00	License/I	Permit/	Monito	ring Nu	ımber		Boring	Numb B -2 2				
				f crew chief (first, last) a		Date Dri	lling St	arted		Da	te Drilli			Drill	ing Method		
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On-	site Ei	nViroi Zell No	nmenta	DNR Well ID No.	Common Well Name	Final Sta		/2023		Surface	e Elevat	1/10/2	2023	Bo	2" ID Borehole Diameter		
****	ilque II		•			i mai sta						Feet N		2.3"			
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Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Eac	ch Major Unit		SC	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments	
Z E	7 %	B	L Q	Blind drilled to 9.8' bg	- (D 220 l f l'	411	Þ	57	≥ □		St Pe	ΣŬ	22	F 대	Д	<u> </u>	
				Refusal, end of boring Abandoned borehole vbentonite chips.	at 9.8' bgs dolomite.	nd											
I hereb	y certi	fy that	the info	rmation on this form is t	rue and correct to the	best of my k	nowled	lge.			1						
Signat	ure	6	l s	Ada		CS Engine 30 Dairy Dri		dison.	WI 537	18							

Sun Prairie

WI

53590

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

01/10/2023

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 Waste Management Other: 1. Well Location Information 2. Facility / Owner Information County WI Unique Well # of Hicap # **Facility Name** Removed Well Dane County Landfill No.3 (Proposed) Dane B-220A Facility ID (FID or PWS) Latitude / Longitude (see instructions) Format Code Method Code GPS008 DD N License/Permit/Monitoring # SCR002 W OTH001 1/4 / 1/4 SE ¹∕₄ SE Section Township Range Original Well Owner XE Dane County Department of Waste and Renewables 7 N or Gov't Lot# 25 10 Present Well Owner Well Street Address Dane County Department of Waste and Renewables 7101 US Highway 12 & 18 Mailing Address of Present Owner Well City, Village or Town Well ZIP Code 1919 Alliant Energy Center Way Madison, WI 53718 City of Present Owner State ZIP Code **Subdivision Name** Lot# Madison WI 53713 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 **Temporary Borehole** Liner(s) removed? X N/A Yes No 3. Filled & Sealed Well / Drillhole / Borehole Information X N/A Liner(s) perforated? Yes No Original Construction Date (mm/dd/yyyy) Monitoring Well Screen removed? Yes No X N/A 01/10/2023 Water Well Casing left in place? Yes No X N/A If a Well Construction Report is available, X Borehole / Drillhole Was casing cut off below surface? Yes No X N/A please attach. Did sealing material rise to surface? X Yes No Construction Type: N/A Did material settle after 24 hours? X Yes No N/A Drilled Driven (Sandpoint) Dug If yes, was hole retopped? X Yes N/A X Other (specify): Geoprobe/Direct Push If bentonite chips were used, were they hydrated Formation Type: with water from a known safe source? X Unconsolidated Formation Required Method of Placing Sealing Material Bedrock Conductor Pipe-Gravity X Conductor Pipe-Pumped Total Well Depth From Ground Surface (ft.) Casing Diameter (in.) Screened & Poured Other (Explain): 9.8 (Bentonite Chips) Lower Drillhole Diameter (in.) Casing Depth (ft.) Sealing Materials **Neat Cement Grout** X Bentonite Grout NA 2.3 Sand-Cement (Concrete) Grout X Bentonite Chips Was well annular space grouted? X No Yes Unknown For Monitoring Wells and Monitoring Well Boreholes Only: If yes, to what depth (feet)? Depth to Water (feet) **Bentonite Chips** Bentonite - Cement Grout NA **Granular Bentonite** Bentonite - Sand Slurry No. Yards, Sacks Sealant or Mix Ratio or 5. Material Used to Fill Well / Drillhole From (ft.) To (ft.) Mud Weight Volume (circle one) 3/8" Bentonite Chips Surface .16 lbs 1 dry mix **Bentonite Grout** 1 9.8 2-gallons 2lbs/gal 6. Comments Boring B-220A 7. Supervision of Work **DNR Use Only** Date of Filling & Sealing or Verification Name of Person or Firm Doing Filling & Sealing License # Date Received Noted By (mm/dd/yyyy) 01/10/2023 On-site Environmental Services, Inc Street or Route Telephone Number Comments PO Box 280 608)837-8992 City State ZIP Code Signature of Person Doing Work Date Signed

SOIL BORING LOG INFORMATION

Resources Form 4400-122 Rev. 7-98

Route To: Watershed/Wactewater
Waste Management
Waste Management

			K	<u>oute 10.</u>			Redeve	lopment		Other		ement									
Facilit	y/Proje	ct Nan	ne .							License	e/Permit/	Monito	ring Ni	ımher		Boring	Numh	er	Page	1	of 3
				No. 3 (Pr	roposed	1)	SCS#	: 2522226	8.00	Electise	ar Crimic	ivionite	ing ive				B-22				
				of crew ch						Date Drilling Started Date Dr						ing Cor	npletec	1	Drilling Method		
Dylan Martin											2/17/2022					.					.25" ID
Subsurface Exploration Services WI Unique Well No. DNR Well ID No. Common Well Name											2/17/2023 Final Static Water Level Surface						2023	NQ Core Borehole Diameter			
WI OI	nque w		•	DINK		INO.	Comm		Name	Tillal Si	ianc wa	ici Lev			e Eleva 399.0 l		ASI.	l D		3" &	
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Facilit	y ID				County Dane					County C 13	Code		own/Cr of Ma	-	Village						
Sar	nple				Dane					13		City	OI IVIA	118011	<u> </u>	Soil	Prop	erties		Τ	
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Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet			Luv	on wayo	Cint			ISC	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid	Plasticity Index	P 200		KQD/ Comments
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Run 1	60			to thinl wavy to oval vu	ly bedde o slightl igs, foss	ed with y nodul iliferous	shale an ar, mino s.	wn (2.5Y down down down down down down down down	edding ace rou	g is	DI.2										
		fy that	the info	ormation of	on this f	form is t	rue and	correct to	the be	st of my	knowled	lge.									
Signat	ure	a	£			Adan	n Watso	Firm		Engine Dairy D		dison,	WI 537	18							

	g Numb	er	B-2	Use only as an attachment to Form 4400-1	122.	1							Page	2 of 3		
San	nple									Soil	Propo	erties		-		
	Length Att. & Recovered (in)	ınts	Feet	Soil/Rock Description And Geologic Origin For					n uc					<u>s</u>		
ber Гуре	th A	Blow Counts	Depth In Feet	Each Major Unit	CS	hic	ram	EID	dard	ture	id t	icity x	0)/ ment		
Number and Type	Leng	Blow	Dept	J	N S	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments		
			E	DOLOMITE (DL2), pale brown (2.5Y 7/4), massive												
			16	to thinly bedded with shale and/or silt, bedding is wavy to slightly nodular, minor chert, trace round to												
			E -17	oval vugs, fossiliferous. (Sinnipee Group, Platteville Formation)												
Run 2	60		= 17											FF=3.6/ft		
2			18											Percent Recovery=100% RQD=8%, very		
			19]							poor		
			E 20													
			-20			-/-										
			21													
			_22		DL2											
Run 3	60		Ē											FF=2.4/ft Percent		
3			23											Recovery=100% RQD=36%, poor		
			24													
			E -25													
			E													
	54		-26													
			27													
Run 4			28											FF=1.6/ft Percent		
			E	SANDSTONE (SS1), gray (5Y 5/1), fine to coarse grained, poorly sorted, cemented by shaly dolomite,										Recovery=90% RQD=7%, very poor		
			-29	with green (glauconite) clay. (Ancell Group, Glenwood Formation)												
			= 30	Dolomitic/sandstone, cemented with dolomite, trace	SS1											
Run 5	11		31	green (glauconite) clay.										FF=3.3/ft Percent		
5			-	DOLOMITE (DL3), gray (5Y 5/1) and light gray (5Y		<u> </u>								Recovery=69% RQD=0%, very		
			-32	7/1), sandy, massive, with oval to round vugs, glauconite, and sulfides (pyrite).										poor		
			_33	(Prairie du Chien Group, Shakopee Formation, Willow River Member).												
Run 6	47		34											FF=1.53/ft Percent Recovery=98%		
			E											RQD=44%, poor		
			35													
			36		DL3											
			37													
Run 7	60		F 37	From ~37.5' to 38.5' bgs, thinnly bedded with silt.										FF=1.4/ft		
7			38	Troni 37.5 to 30.5 ogs, tilling occurs with site.										Percent Recovery=100% RQD=52%, fair		
			_39			<u> </u>							KQD=52%, fa			
			E 40													
_	1 I		-40	I	I	ı '	I	I	I	I	I	1		I		

Borin	g Numl	oer	B-2	Use only as an attachment to Form 4400-1	22.								Page	3 of 3
	nple									Soil	Prop	erties		
	Length Att. & Recovered (in)	ıts	eet	Soil/Rock Description					_					
er /pe	λ Att ered	Cour	In F	And Geologic Origin For	N N	.c	띭		urd atior	ıre nt	_	ity		ents
Number and Type	ecov	Blow Counts	Depth In Feet	Each Major Unit	SC	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	200	RQD/ Comments
<u>a Z</u>	7 %	B	Ā	From 40' to 42' bgs, thinnly bedded with silt and green	ר	<u>5</u> 7	≥ □	- I	P. St	Σŭ	22	Pl	Ь	<u> </u>
			E	(glauconite) clay.										
			-4 1	DOLOMITE (DL3), gray (5Y 5/1) and light gray (5Y 7/1), sandy, massive, with oval to round vugs,										
Run	48		- -42	glauconite, and sulfides (pyrite). (Prairie du Chien Group, Shakopee Formation,	DL3									FF=2/ft Percent
8				Willow River Member). From 42' to 44' more sandy and thinnly bedded with										Recovery=100% RQD=85%, good
			-43	green clay and silt										
]							
				End of boring at 44' bgs in dolomite. Abandoned borehole with bentonite grout and										
				bentonite chips.										
									l					

Green Bay

WI

54311

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

02/20/2023

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 Waste Management Other: 1. Well Location Information 2. Facility / Owner Information County WI Unique Well # of Hicap # **Facility Name** Removed Well Dane County Landfill No.3 (Proposed) Dane B-220C Facility ID (FID or PWS) Latitude / Longitude (see instructions) Format Code Method Code GPS008 DD N License/Permit/Monitoring # SCR002 W OTH001 1/4 / 1/4 SE ¹∕₄ SE Section Township Range Original Well Owner XE Dane County Department of Waste and Renewables 7 N or Gov't Lot# 25 10 Present Well Owner Well Street Address Dane County Department of Waste and Renewables 7101 US Highway 12 & 18 Mailing Address of Present Owner Well City, Village or Town Well ZIP Code 1919 Alliant Energy Center Way Madison, WI 53718 City of Present Owner State ZIP Code **Subdivision Name** Lot# Madison WI 53713 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 **Temporary Borehole** Liner(s) removed? X N/A Yes No 3. Filled & Sealed Well / Drillhole / Borehole Information X N/A Liner(s) perforated? Yes No Original Construction Date (mm/dd/yyyy) Monitoring Well Screen removed? Yes No X N/A 02/20/2023 Water Well Casing left in place? Yes No X N/A If a Well Construction Report is available, X Borehole / Drillhole Was casing cut off below surface? Yes No X N/A please attach. Did sealing material rise to surface? X Yes No Construction Type: N/A Did material settle after 24 hours? X Yes No N/A X Drilled Driven (Sandpoint) Dug If yes, was hole retopped? X Yes N/A Other (specify): If bentonite chips were used, were they hydrated Formation Type: with water from a known safe source? X Unconsolidated Formation Required Method of Placing Sealing Material X Bedrock Conductor Pipe-Gravity X Conductor Pipe-Pumped Total Well Depth From Ground Surface (ft.) Casing Diameter (in.) Screened & Poured Other (Explain): 44 (Bentonite Chips) Lower Drillhole Diameter (in.) Casing Depth (ft.) Sealing Materials **Neat Cement Grout** X Bentonite Grout NA 8.3 to 3.0 Sand-Cement (Concrete) Grout X Bentonite Chips Was well annular space grouted? X No Yes Unknown For Monitoring Wells and Monitoring Well Boreholes Only: If yes, to what depth (feet)? Depth to Water (feet) **Bentonite Chips** Bentonite - Cement Grout NA **Granular Bentonite** Bentonite - Sand Slurry No. Yards, Sacks Sealant or Mix Ratio or 5. Material Used to Fill Well / Drillhole From (ft.) To (ft.) Mud Weight Volume (circle one) 3/8" Bentonite Chips Surface 5 125 lbs dry mix **Bentonite Grout** 5 44 35-gallons 2lbs/gal 6. Comments Boring B-220C 7. Supervision of Work **DNR Use Only** Date of Filling & Sealing or Verification Name of Person or Firm Doing Filling & Sealing License # Date Received Noted By (mm/dd/yyyy) 02/20/2023 Subsurface Exploration Services Street or Route Telephone Number Comments 2900 Lowell Dr (920)544-4226 City Signature of Person Doing Work State ZIP Code Date Signed

SOIL BORING LOG INFORMATION

rral Resources

Route To: Watershed/Wastewater □ Waste Management □

Permediation/Redevelopment □ Other □

				Remediation	Redevelopment \square	Other											
															Page	1 of 2	
Facilit	y/Proje	ct Nam	e			License/F	Permit/	Monito	ring Nu	ımber		Boring	Numb		-		
				No. 3 (Proposed)	SCS#: 25222268.00				ST-220								
Boring	g Drille	d By: 1	Name o	f crew chief (first, last) a	nd Firm	Date Drilling Started Date						ate Drilling Completed				ing Method	
	tt Klu																
				Services, Inc.				2023				3/8/2	023		SSA		
WI Uı	nique W	ell No.		DNR Well ID No.	Common Well Name	Final Stat	tic Wa	ter Leve	el		Elevat			Bo	Borehole Diameter		
Logal	Grid O			stimated: \(\begin{array}{c} \ \\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	ring Location 🖂						90 Fe			4.3"			
	Grid Oi Plane	rigin		,850 N, 2,169,023		Lat	t	0	'		Local			F			
SE		of SI		/4 of Section 25,	T 7 N, R 10 E	Long		0	,	"		reet	□ N □ S		Feet ☐ E ☐ W		
Facilit		01 51	ا ح	County	1 / N, K 10 E	County Co		Civil T	own/Ci	tv/ or V	/illage		<u></u>				
	<i>J</i>			Dane		13			of Ma	•	8-						
Sar	nple											Soil	Prope	erties			
- Sui				Soil/D	lock Description												
	t. & 1(ii	nts	eet		-						g E					20	
er /pe	ı At ereα	Cou	In I		eologic Origin For		S	. <u>2</u>	E		urd atio	ure nt	_	ity		ient	
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Eac	ch Major Unit		SC	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments	
<u>Ž g</u>	7 %	BI	<u>ă</u>				U	Grap Log	<u>≽ 'n</u>	PI	St	Σŭ	<u> </u>	P1 In	Ъ	- Re	
			E	Blind drilled to 1' bgs. (See B-220 log from 0	'-9' has for lithology)												
L	-		-1	_	silt with clay, some fine	d		//////	-								
			E	soft, cohesive, uniform	n, massive, trace roots.	(Loess)			1								
			_2				CL		1								
			Ē														
		End of boring at 3 feet below ground surface (bgs)	(bgs) in		<i>Y/////</i>	1											
				Loess. Abandoned wit	h bentonite chips.												
		C :1	<u> </u>			. 0 .											
I here	-	ry that	tne info	ormation on this form is t	rue and correct to the b		nowled	ige.									

Signature

Adam Watson

Firm SCS Engineers
2830 Dairy Drive, Madison, WI 53718

ST-220 Page 2 of 2 Boring Number Use only as an attachment to Form 4400-122. Soil Properties Sample Length Att. & Recovered (in) Soil/Rock Description Depth In Feet Blow Counts Standard Penetration RQD/ Comments And Geologic Origin For Number and Type Moisture Content Plasticity Index Well Diagram USCS Graphic Log PID/FID Liquid Limit Each Major Unit P 200 Shelby tube sample from 1-3 feet bgs. S114 1.5 M

Madison

WI

53713

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 Remediation/Redevelopment Verification Only of Fill and Seal Waste Management Other: 1. Well Location Information 2. Facility / Owner Information County WI Unique Well # of Hicap # **Facility Name** Removed Well Dane County Landfill No.3 (Proposed) Dane ST-220 Facility ID (FID or PWS) Latitude / Longitude (see instructions) Format Code Method Code GPS008 DD N License/Permit/Monitoring # SCR002 W OTH001 1/4 / 1/4 SE ¹∕₄ SE Section Township Original Well Owner XE Dane County Department of Waste and Renewables 7 N or Gov't Lot# 25 10 Present Well Owner Well Street Address Dane County Department of Waste and Renewables 7101 US Highway 12 & 18 Mailing Address of Present Owner Well City, Village or Town Well ZIP Code 1919 Alliant Energy Center Way Madison, WI 53718 City of Present Owner State ZIP Code **Subdivision Name** Lot# Madison WI 53713 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 **Temporary Borehole** Liner(s) removed? X N/A Yes No 3. Filled & Sealed Well / Drillhole / Borehole Information X N/A Liner(s) perforated? Yes No Original Construction Date (mm/dd/yyyy) Monitoring Well Screen removed? Yes No X N/A 03/08/2023 Water Well Casing left in place? Yes No X N/A If a Well Construction Report is available, X Borehole / Drillhole Was casing cut off below surface? Yes No X N/A please attach. Did sealing material rise to surface? X Yes No Construction Type: N/A Did material settle after 24 hours? X No Yes N/A X Drilled Driven (Sandpoint) Dug If yes, was hole retopped? Yes X No N/A Other (specify): If bentonite chips were used, were they hydrated X Yes Formation Type: with water from a known safe source? X Unconsolidated Formation Required Method of Placing Sealing Material X Bedrock Conductor Pipe-Gravity Conductor Pipe-Pumped Total Well Depth From Ground Surface (ft.) Casing Diameter (in.) Screened & Poured Other (Explain): (Bentonite Chips) Lower Drillhole Diameter (in.) Casing Depth (ft.) Sealing Materials **Neat Cement Grout** Bentonite Grout NA 4.3 Sand-Cement (Concrete) Grout X Bentonite Chips Was well annular space grouted? X No Yes Unknown For Monitoring Wells and Monitoring Well Boreholes Only: If yes, to what depth (feet)? Depth to Water (feet) **Bentonite Chips** Bentonite - Cement Grout NA **Granular Bentonite** Bentonite - Sand Slurry No. Yards, Sacks Sealant or Mix Ratio or 5. Material Used to Fill Well / Drillhole From (ft.) To (ft.) Mud Weight Volume (circle one) 3/8" Bentonite Chips Surface 3 8 lbs dry mix 6. Comments Shelby Tube ST-220 7. Supervision of Work **DNR Use Only** Date of Filling & Sealing or Verification Name of Person or Firm Doing Filling & Sealing License # Date Received Noted By (mm/dd/yyyy) 03/08/2023 Soils & Engineering Services, Inc. Street or Route Telephone Number Comments 1102 Stewart St. 608)274-7600 City Signature of Person Doing Work State ZIP Code Date Signed

State of Wisconsin Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

			Ro	oute To:		shed/Was diation/Re		oment \square	Waste 1 Other	_	ement									
																		Page	1 of 2	
	y/Proje e Cou			No. 3 (Pr	oposed)) :	SCS#: 2:	5222268.00	License/	Permit/	Monito	ring Nu	ımber		Boring	Numb B-22				
				of crew chi					Date Dri	lling St	arted		Da	te Drilli				Drill	ing Method	
On-		nviro		al Servic							/2023				1/11/2	2023		Direct Push 2" ID Borehole Diameter		
WI Uı	nique W	/ell No).	DNR W	Vell ID N	10.	Common	Well Name	Final Sta		ter Leve eet MS			e Elevat 92.8 F		ISI	Bo		Diameter .3"	
Local	Grid O	rigin	_	stimated:			_	ion 🖂			0	,	"	Local C						
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SE Facilit		of S	E I	1/4 of Sect	tion 2 County	25, 1	r 7 i	N, R 10 E	Long	g <u> </u>	Civil To	own/Ci	ty/ or \	Village		□ S			□ W	
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	% (ii)	ıts	eet			Soil/Roo		•												
er /pe	Att ered	Cour	In F		A	And Geol	_	-		S	.0.	EI EI		ord atior	ure nt	_	ity		ients	
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet			Each	Major U	Jnit		USC	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments	
			-1	organic	rich, wi	th roots.	(Topsoil			ML	\(\frac{1}{2}\cdot \frac{7}{2}\cdot \fra									
S1	38		-2	with cla	ay, some	CL), brove fine sand coots and	form,					1.0	M							
51	36		-3 -4							CL				1.25	IVI					
62	24		5 6 7	fine sar gravel (nd with n (mostly d	nedium t	o coarse , uniforn	7.5YR 5/4), r sand, fine to m, massive, s Member)	coarse					0.75	M					
S2	24		-8 -9 -10	Lenses	of sand.					SC				0.75	M					
S3	60		-11 -12 -13 -14 -15	SILTY mostly some cl uniform	SAND (fine sand lay, fine massive	(SM), red d with me to coarse	edium to gravel (lense/ha	low (7.5YR) coarse sand mostly dolor rd. (Till) (Ho	l and mite),	SM				4.5+	W				Measured depth to water at 10.25' bgs.	
I here	by certi	fy that	1 13	ormation o	on this fo	orm is tru	e and co	orrect to the b	est of my k	nowled	lge.		•	•						
Signa	ure	M	1				***		S Engine											
		Ch	V	1		Adam	Watson	283	0 Dairy Dri	ive, Ma	dison, V	WI 537	18							

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 SUPPLEMENT

Form 4400-122A

Boring Nu	mber		B-22	Use only as an attachment to Form 4400-12	22.								Page	2 of 2
Sample										Soil	Prope	erties		
% &	t (II)	2	eet	Soil/Rock Description					g.					80
ype h At	/erec		I III I	And Geologic Origin For Each Major Unit	S	iic	am	l E	ard ratio	ure	-5	city		, nents
Number and Type Length Att. &	Recovered (II	NOI0	Depth In Feet	Lacii wajoi Ont	USC	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
	1 1		-				1	<u> </u>	07 11	20	1 1	H		<u> </u>
			16											
64 54			-17		SM				2.25	***				
S4 54	,		18						2.25 4.5+	W				Refusal at 19.5' due to bedrock. Sandstone
			-19											bedrock at 24' bgs at boring B-221C.
			. 19	Defined and of having at 10 5thes in till Ahandanad										D ZZTC.
Ц				Refusal, end of boring at 19.5' bgs in till. Abandoned borehole with bentonite grout and bentonite chips.										
1	1	1	ı	ı		1	'		1			1		1

State of Wis., Dept. of Natural Resources SCS No. 25222268.00 dnr.wi.gov

Sun Prairie

WI

53590

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

01/11/2023

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 Waste Management Other: 1. Well Location Information 2. Facility / Owner Information County WI Unique Well # of Hicap # **Facility Name** Removed Well Dane County Landfill No. 3 (Proposed) Dane B-221 Facility ID (FID or PWS) Latitude / Longitude (see instructions) Format Code Method Code GPS008 DD N License/Permit/Monitoring# SCR002 W OTH001 1/4 / 1/4 SE Original Well Owner ¹∕₄ SE Section Township Range XE Dane County Department of Waste and Renewables 7 N or Gov't Lot# 25 10 Present Well Owner Well Street Address Dane County Department of Waste and Renewables 7101 US Highway 12 & 18 Mailing Address of Present Owner Well City, Village or Town Well ZIP Code 1919 Alliant Energy Center Way Madison, WI 53718 City of Present Owner State ZIP Code **Subdivision Name** Lot# Madison WI 53713 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 **Temporary Borehole** Liner(s) removed? X N/A Yes No 3. Filled & Sealed Well / Drillhole / Borehole Information X N/A Liner(s) perforated? Yes No Original Construction Date (mm/dd/yyyy) Monitoring Well Screen removed? Yes No X N/A 01/11/2023 Water Well Casing left in place? Yes No X N/A If a Well Construction Report is available, X Borehole / Drillhole Was casing cut off below surface? Yes No X N/A please attach. Construction Type: Did sealing material rise to surface? X Yes No N/A Did material settle after 24 hours? X Yes No N/A Drilled Driven (Sandpoint) Dug If yes, was hole retopped? X Yes N/A X Other (specify): Geoprobe/Direct Push If bentonite chips were used, were they hydrated Formation Type: with water from a known safe source? Required Method of Placing Sealing Material X Unconsolidated Formation Bedrock Conductor Pipe-Gravity X Conductor Pipe-Pumped Total Well Depth From Ground Surface (ft.) Casing Diameter (in.) Screened & Poured Other (Explain): (Bentonite Chips) Lower Drillhole Diameter (in.) Casing Depth (ft.) Sealing Materials **Neat Cement Grout** |X | Bentonite Grout NA 2.3 Sand-Cement (Concrete) Grout X Bentonite Chips Was well annular space grouted? X No Yes Unknown For Monitoring Wells and Monitoring Well Boreholes Only: If yes, to what depth (feet)? Depth to Water (feet) **Bentonite Chips** Bentonite - Cement Grout NA 10.25 **Granular Bentonite** Bentonite - Sand Slurry No. Yards, Sacks Sealant or Mix Ratio or 5. Material Used to Fill Well / Drillhole From (ft.) To (ft.) Mud Weight Volume (circle one) 3/8" Bentonite Chips Surface .16 lbs 1 dry mix 1 **Bentonite Grout** 19.5 3.5-gallons 2lbs/gal 6. Comments Boring B-221 7. Supervision of Work **DNR Use Only** Date of Filling & Sealing or Verification Name of Person or Firm Doing Filling & Sealing License # Date Received Noted By (mm/dd/yyyy) 01/11/2023 On-site Environmental Services, Inc Street or Route Telephone Number Comments PO Box 280 608)837-8992 City State ZIP Code Signature of Person Doing Work Date Signed

State of Wisconsin Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Dane County Landfill No. 3 (Proposed) SCS#: 25222268.00 Boring Drilled By: Name of crew chief (first, last) and Firm John Wagner Subsurface Exploration Services WI Unique Well No. DNR Well ID No. Common Well Name 892.8 Feet MSL 8.3" Local Grid Origin □ (estimated: □) or Boring Location ▷ State Plane 378,832 N, 2,169,690 E S/C/N SE 1/4 of SE 1/4 of Section 25, T 7 N, R 10 E Long □ ' □ ' □ S B-221C Date Drilling Started Date Drilling Completed HSA 4.25" I Date Dr	
Facility/Project Name Dane County Landfill No. 3 (Proposed) SCS#: 25222268.00 Boring Drilled By: Name of crew chief (first, last) and Firm John Wagner Subsurface Exploration Services WI Unique Well No. Local Grid Origin State Plane 378,832 N, 2,169,690 E S/C/N SE 1/4 of SE 1/4 of Section SE 1/4 of SE 1/4 of Section Dane Soil/Rock Description And Geologic Origin For Each Major Unit Soil/Rock Description And Geologic Origin For Each Major Unit Final Static Water Level Surface Elevation Surface Elevation Surface Elevation Borehole Diameter Supparation Surface Elevation Surface Elevation Borehole Diameter Supparation Surface Elevation Surface Ele	
Dane County Landfill No. 3 (Proposed) B-221C Boring Drilled By: Name of crew chief (first, last) and Firm John Wagner Subsurface Exploration Services WI Unique Well No.	3
Boring Drilled By: Name of crew chief (first, last) and Firm John Wagner Subsurface Exploration Services WI Unique Well No. Don't Don't Wagner Subsurface Exploration Services WI Unique Well No. Don't Well ID No. Common Well Name Local Grid Origin State Plane 378,832 N, 2,169,690 E S/C/N SE 1/4 of SE 1/4 of Section 25, T 7 N, R 10 E Facility ID County Dane County	
John Wagner Subsurface Exploration Services WI Unique Well No. DNR Well ID No. Common Well Name Final Static Water Level Surface Elevation 892.8 Feet MSL 8.3" Local Grid Origin	_
WI Unique Well No. DNR Well ID No. Common Well Name Final Static Water Level Surface Elevation Borehole Diameter	D
Cocal Grid Origin	—
State Plane 378,832 N, 2,169,690 E S/C/N Lat SE 1/4 of SE 1/4 of SE 1/4 of Section 25, T 7 N, R 10 E Long S Soll/Rock Description Soll/Rock Descri	
SE 1/4 of SE 1/4 of Section 25, T 7 N, R 10 E Long " " " Scounty Code Civil Town/City/ or Village City of Madison Sample Soil/Rock Description And Geologic Origin For Each Major Unit Each Major Unit Soon Dane Soil/Rock Description And Geologic Origin For Each Major Unit Soon Dane Soil/Rock Description Soil/Rock Description And Geologic Origin For Each Major Unit Soon Dane Soil/Rock Description Soil/Rock Descriptio	
Facility ID County Dane County Code Civil Town/City/ or Village City of Madison Sample Soil/Rock Description And Geologic Origin For Each Major Unit Blind drilled to 20' bgs. County Code Civil Town/City/ or Village City of Madison Soil Properties	
Sample Number and Type and	_
Number and Type and T	_
Number and Type and Type Att. Recovered (1) Blow Counting Blow Countin	
Blind drilled to 20' bgs.	
Blind drilled to 20' bgs.	
Blind drilled to 20' bgs.	
See B-221 log for lithology from 0 ' to 19.5' bgs.)	_
I hereby certify that the information on this form is true and correct to the best of my knowledge.	
Signature Adam Watson Adam Watson Firm SCS Engineers 2830 Dairy Drive, Madison, WI 53718	_

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 SUPPLEMENT Form 4400-122A

	g Numl	er	B-2	Use only as an attachment to Form 4400-1	22.								Page	2 of 3
San	nple									Soil	Prope	rties		
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	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			-16 -17 -18 -19	Blind drilled to 20' bgs. (See B-221 log for lithology from 0 ' to 19.5' bgs.)										
SI	12	31 54	20 21 22 23 24 25 26 27	POORLY GRADED SAND WITH SILT (SP-SM), yellow (5Y 7/8) and yellow (10YR 8/8), mostly fine with medium sand, massive. (Ancell Group, St. Peter Formation, Tonti Member) (SS2)	SS2									
S2	18	20 24 35	-30 -31 -32 -33 -34	Yellowish red (5YR 5/8).										
S3	23	42 48 40 50	36	SILTY SAND (SM), light gray (2.5Y 7/1), gray (2.5Y 6/1), and pale brown (2.5Y 8/3) layers with orange mottling, mostly fine sand with medium and coarse sand, massive to laminated. (Ancell Group, St. Peter Formation, Readstown Member) (SS3)										
S4 S5	18	24 50 62 34 35 50 2	38	Member) (SS3) Pale brown (2.5Y 8/2) and light gray (2.5Y 7/1). Very dark brown (7.5YR 2.5/2) layers of silt with clay and shale.	SS3									

SOIL BORING LOG INFORMATION SUPPLEMENT

Form 4400-122A

Boring Number	B-2	21C Use only as an attachment to Form 4400-	122.								Page	3 of 3
Sample								Soil	Prope	erties		
Number and Type Length Att. & Recovered (in) Blow Counts	set	Soil/Rock Description										
r pe Att.	In Fe	And Geologic Origin For	N N	၁	E		rd ation	r te		ity		ents
Number and Type Length Att. & Recovered (in Blow Counts	Depth In Feet	Each Major Unit	USC	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
Ne Bi Bi			D	Grap Log	W Di	PI	Sta Pe	<u>¥ ŏ</u>	ËË	Plg Inc	P 2	<u> </u>
		End of boring at 40' bgs in sandstone. Abandoned borehole with bentonite grout and										
		bentonite chips.										
			1				I		l	I		I

State of Wis., Dept. of Natural Resources SCS No. 25222268.00 dnr.wi.gov

Green Bay

WI

54311

Well / Drillhole / Borehole Filling & Sealing Report

Page	1	of 2	
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02/23/2023

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 Remediation/Redevelopment Verification Only of Fill and Seal Waste Management Other: 1. Well Location Information 2. Facility / Owner Information County WI Unique Well # of Hicap # **Facility Name** Removed Well Dane County Landfill No. 3 (Proposed) Dane B-221C Facility ID (FID or PWS) Latitude / Longitude (see instructions) Format Code Method Code GPS008 DD N License/Permit/Monitoring# SCR002 W OTH001 1/4 / 1/4 SE ¹∕₄ SE Section Township Original Well Owner XE Dane County Department of Waste and Renewables 7 N or Gov't Lot# 25 10 Present Well Owner Well Street Address Dane County Department of Waste and Renewables 7101 US Highway 12 & 18 Mailing Address of Present Owner Well City, Village or Town Well ZIP Code 1919 Alliant Energy Center Way Madison, WI 53718 City of Present Owner State ZIP Code **Subdivision Name** Lot# Madison WI 53713 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 **Temporary Borehole** Liner(s) removed? X N/A Yes No 3. Filled & Sealed Well / Drillhole / Borehole Information X N/A Liner(s) perforated? Yes No Original Construction Date (mm/dd/yyyy) Monitoring Well Screen removed? Yes No X N/A 02/23/2023 Water Well Casing left in place? Yes No X N/A If a Well Construction Report is available, X Borehole / Drillhole Was casing cut off below surface? Yes No X N/A please attach. Did sealing material rise to surface? X Yes No Construction Type: N/A Did material settle after 24 hours? X Yes No N/A X Drilled Driven (Sandpoint) Dug If yes, was hole retopped? X Yes N/A Other (specify): If bentonite chips were used, were they hydrated Formation Type: with water from a known safe source? X Unconsolidated Formation Required Method of Placing Sealing Material X Bedrock Conductor Pipe-Gravity X Conductor Pipe-Pumped Total Well Depth From Ground Surface (ft.) Casing Diameter (in.) Screened & Poured Other (Explain): 40 (Bentonite Chips) Lower Drillhole Diameter (in.) Casing Depth (ft.) Sealing Materials **Neat Cement Grout** |X | Bentonite Grout NA 8.3 Sand-Cement (Concrete) Grout X Bentonite Chips Was well annular space grouted? X No Yes Unknown For Monitoring Wells and Monitoring Well Boreholes Only: If yes, to what depth (feet)? Depth to Water (feet) **Bentonite Chips** Bentonite - Cement Grout NA ~10 **Granular Bentonite** Bentonite - Sand Slurry No. Yards, Sacks Sealant or Mix Ratio or 5. Material Used to Fill Well / Drillhole From (ft.) To (ft.) Mud Weight Volume (circle one) 3/8" Bentonite Chips Surface 150 lbs 7 dry mix 7 **Bentonite Grout** 40 35-gallons 2lbs/gal 6. Comments Boring B-221C 7. Supervision of Work **DNR Use Only** Date of Filling & Sealing or Verification Name of Person or Firm Doing Filling & Sealing License # Date Received Noted By (mm/dd/yyyy) 02/23/2023 Subsurface Exploration Services Street or Route Telephone Number Comments 2900 Lowell Dr. (920)544-4226 City Signature of Person Doing Work State ZIP Code Date Signed

State of Wisconsin Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

			Ro	ute To:	Watershed/W	astewater		Waste 1	Manage	ement	\boxtimes										
					Remediation/	Redevelop	ment	Other													
																	Page	1 of 2			
	ty/Proje							License/	Permit/	Monito	ring N	umber		Boring							
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	_	-	Name o	i crew cn	iei (iirst, iast) ai	na rirm		Date Dri	lling Si	arted		Da	ite Driiii	ng Con	npietea		Drilling Method Direct Push				
	ny Ka _l -site F		nment	al Serv	rices, Inc.				1/9/	2023				1/9/2		2" ID					
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								89	3.2 F	eet M	SL	9	00.2 I				2	.3"			
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Sample									Soil Propert							erties	ties				
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Typ	orth /	Z v	H		Eac	ch Major U	nit		CS	hic	Tam		darc	sture	pi ti	icit. X	0)/			
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet						S D	Graphic Log	Well	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments			
<u> </u>	1			SILT (ML), very dark	grayish bro	own (10YR	3/2),	ML	1/2 <u>1/4</u>			-								
			1 -2	organic	c rich, with roots	s. (Topsoil))														
			F 1	mostly	CLAY, dark ye silt with clay, so	ome fine sa	ind, soft, co	4/6), hesive,													
			F ₋₂	uniforn	m, massive, trace	e roots. (Lo	ess)														
S1	39		F						CL				1.25	M							
			-3						CL												
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	_		-4 -5 -6	CH PY	V C 1 2 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	(10)	TD 4/2)	1 ~													
			F	sand w	Y SAND (SM), by ith medium to c	orown (10 Y coarse sand	and some c	stly fine lay, fine													
			-6	to coar	rse gravel (mostl Holy Hill Forma	y dolomite), uniform, 1	massive.													
			F _	(1111)(1	поту пін гоппа	шоп, попс	on Member	.)													
			- 7						SM												
S2	44		<u>-</u> 8						Sivi					W				Measured depth to water at 7' bgs.			
			Ė	Red (2.	.5YR 4/6) with	more sand.															
			<u>-</u> 9																		
			E																		
			- 10	POOR	LY GRADED S	SAND (SP)	, strong bro	wn													
			E ₁₁	(7.5YR and fin	R 5/8), fine sand ne to coarse grav	l with medi el. (Outwas	um to coars sh) (Holy H	e sand ill	SP												
			F ''	Format		() ()														
			12	CLAV	EY SAND (SC) etrong br	own (75V	P 5/8)			1										
S3	58		E	mostly	fine sand with i	medium to	coarse sand	and						W							
			-13	some c	clay, fine to coar enses of silt, unif	rse gravel (r form, massi	nostly dolor ive. (Till) (F	nite), Iolv Hill													
			-14	Format	tion, Horicón M	(ember)	()(,	SC												
			14																		
			<u>–15</u>																		
I here	by certi	fy that	the info	rmation o	on this form is tr	rue and corr	rect to the b	est of my kr	nowled	ge.											
Signa	ture	N	,	0/				S Engine													
		Ch	1		Adan	n Watson	283	0 Dairy Dri	ve, Ma	dison,	WI 537	718									

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 SUPPLEMENT

Form 4400-122A

Boring	Numl	er	B-2	Use only as an attachment to Form 4400-1	22.				_				Page	2 of 2
Sam	•									Soil	Prope	erties		
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ser ype	h At ⁄erec	Cou	In		Ø	iic	am	þ	ard ratio	ure		city		nents
T pu	engt	low	epth	Each Major Offit	N	raph og	Vell Diagr	D/F	tand	Aoist Onte	iqui	lasti	200	(QD/ John)
S4	Length Att. & Recovered (in)		16 16 17 17 17 17 17 17 17 17 17 18 18 18 18 18 18 18 18 18 18 18 18 18	Soil/Rock Description And Geologic Origin For Each Major Unit SILTY SAND (SM), reddish yellow (7.5YR 6/8), mostly fine sand with medium to coarse sand and some clay, fine to coarse gravel (mostly dolomite), uniform, massive. (Till) (Holy Hill Formation, Horicon Member) Refusal, end of boring at 17' bgs in till. Abandoned borehole with bentonite grout and bentonite chips.	OS O N N N N N N N N N N N N N N N N N N	Graphic Graphic Street, Street			Standard Penetration	A Moisture Content		Plasticity Index	P 200	Refusal at 17' bgs due to bedrock. Sandstone bedrock at 20' bgs at boring B-222C.
I														1