### 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

State of Wisconsin **SOIL BORING LOG INFORMATION** Department of Natural Resources Form 4400-122

			Ro	ute 10:	Remediation		velopment	Other	_	ement	t I	<b>M</b>							
D '''	/D :	. 3.7						lar · · · · ·				,	1		D :	<b>N</b> T 1		Page	1 of 3
	y/Projec			No. 3 (Pro	mosed)	SCS	5#: 25222268.00	License/	Permit/	Moni	tor	ing Nu	mber		Boring 1	Number 1972			
					ef (first, last			Date Dri	lling St	arted			Da	te Drilli				Drill	ing Method
	tt Klu s & E		ering S	Services,	Inc.				2/8/	2023	3			, ,	2/10/2	2023			A 4.25" ID 6 Core
WI Ur	ique W	ell No.		DNR We	ell ID No.	Com	mon Well Name							e Elevat			Во		Diameter
Lassl	Grid Oı	 		timetad. [	) or I	Danin a I		8	85.7 ]	Feet	M	[SL ]		00.2 F				8.3	" & 3.8"
State		rigin			2,168,16		ocation   S/C/N	La	ıt	°		<u>'</u>		Local C		cation   N	r	1	Feet 🗌 E
SW		of SI		/4 of Section			n, r 10 e	Long		°		<u> </u>			1 000	$\Box$ s			□ W
Facilit	y ID			I .	ounty			County Co				wn/Cit	-	_					
		ı			Dane			13		City	/ 0	f Mac	lison	1	~ '1				
San	nple														Soil	Prope	erties		
	t. &	nts	eet				Description												
er ype	h Atr ered	Cou	In F			_	Origin For		S	j.		Ħ		ario	ure nt	_	ity		lents
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet		1	Each Ma	jor Unit		SC	Graphic	Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	200	RQD/ Comments
<u> </u>	J Z	В		Dlin d dui	illed to 20' l	L ~~			Þ	5 -	7	<u>≽ ∩</u>	Ы	P. S.	≥ 0	i i	P H	Ь	80
			-1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -				from 0' to 17' b												Measured depth to water at 14.5' bgs.
I herel	y certif	fy that		rmation on	this form	is true ar	nd correct to the	best of my k	nowled	ige.				•		•			•
Signat	ure (	21	n				Firm Sc	CS Engine	ers										

1 110100 ) 001	and that the internation on this form is true and to		, and outstart my mile integer
Signature	Jackie Rennebohm, PG	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.

Borin	g Numl	oer	B-2	Use only as an attachment to Form 4400-	122.								Page	2 of 3
San	nple									Soil	Prope	erties		
	Length Att. & Recovered (in)	nnts	Feet	Soil/Rock Description  And Geologic Origin For					l uc					23
Number and Type	gth A	Blow Counts	Depth In Feet	Each Major Unit	CS	ohic	Well Diagram	PID/FID	Standard Penetration	Moisture Content	lid it	Plasticity Index	0	RQD/ Comments
Nun and '	Leng	Blov	Depi	-	S O	Graphic Log	Well Diagr	PID/	Stan Pene	Mois Con1	Liquid Limit	Plastic Index	P 200	RQI
			16	Blind drilled to 20' bgs. (See B-222 log for lithology from 0' to 17' bgs.)										
			19											
			-20 -21 -22 -23	SANDSTONE (SS3), dark gray (7.5YR 4/1), fine to medium grained, poorly sorted, with sulfide nodules and veins (pyrite), massive. (Ancell Group, St. Peter Formation, Readstown Member).										
Run 1	11.5		-24 -25 -26											FF=2.6/ft Percent Recovery=19% RQD=10%, very poor Drilling fluid is very dark gray and sandy. Cored from 20' to 26' bgs.
S1	11	7 42 51/3	-27 -28 -29 -30	Dark gray (7.5YR 4/1) and light gray (7.5YR 7/1) with trace silt.	SS3									Switched to HSA and splitspooned from 26' to 35' bgs.
			-31 -32 -33 -34	With green (glauconite) silt and clay, cross-bedded.										
S2	7"	14 86 34	35	Gray (10YR 6/1), well sorted, cross-bedded.										
Run 2	72		39 -40	From 38' to 39' bgs, poorly graded, mixed with green and black clay and dolomite clasts.  DOLOMITE (DL3), gray (10YR 6/1), massive to thinly bedded with shale, green clay, and sand.	DL3	7								FF=1.96/ft Percent Recovery=90%

Boring	g Numl	oer	B-2	Use only as an attachment to Form 4400-1	22.								Page	3 of 3
San	nple									Soil	Prop	erties	1	
	Length Att. & Recovered (in)	ıts	eet	Soil/Rock Description										
er 7pe	n Att ered	Cour	In F	And Geologic Origin For	S	. <u>2</u>	_ E		rd atior	ıt e		ity		ents
Number and Type	ength 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
a Z	7 %	B	Ď	(Davide de China Conne Chalance Franctica	D	ច្រុ	ß Ö	II.	St	Σŭ		면면	Ъ	RQD=63%, fair
				(Prairie du Chien Group, Shakopee Formation, Willow River Member)										Switched to coring from 35' to 43' bgs.
			<del></del> 41	DOLOMITE (DL3), gray (10YR 6/1), massive to thinly bedded with shale, green clay, and sand.	DL3									to 43' bgs.
			- -42	(Prairie du Chien Group, Shakopee Formation, Willow River Member)	DL3									
				,										
			<del>-43</del>	End of boring at 43' bgs in dolomite.			-							
				Abandoned borehole with bentonite grout and bentonite chips.										
				-										

Madison

WI

53713

#### Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

02/10/2023

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-222C 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 <sup>1</sup>∕<sub>4</sub> 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 02/10/2023 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 X Yes Did material settle after 24 hours? 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): 43 (Bentonite Chips) Lower Drillhole Diameter (in.) Casing Depth (ft.) Sealing Materials Bentonite Grout **Neat Cement 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 NA 14.5 **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 12 350 lbs dry mix Bentonite Grout and Fine Sand 12 43 88-gallons 3lbs/gal 6. Comments Boring B-222C 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) 02/10/2023 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

State of Wisconsin Department of Natural Resources

#### SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

			Ro	oute To:	Watershed		ater   relopment		aste Nate		ement	$\boxtimes$							
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Facili	ty/Proje	ct Nan	ne					Lice	ense/P	ermit/	Monito	ring Nı	ımber		Boring		er	rage	1 01 2
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	g Drille ny Kap	-	Name o	i crew cii	iei (iirsi, iasi	) and Firi	m	Date	e Drii	iing St	arted		Da	te Driii	ng Con	присцец			ing Method irect Push
On	-site É	nviro			ces, Inc.						2023				1/11/2	2023		2"	ID
WI U	nique W	/ell No 	).	DNR V	Well ID No.	Com	mon Well Nar	ne Fina			er Leve			e Elevat 00-3-1	tion Feet N	ISI.	Bo		Diameter .3"
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er ype	h Att ered	Cour	In F			_	Origin For			$\infty$	.c	HI I		ard atior	ure	_	ity		nents
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet		1	Each Maj	or Unit			USC	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
<u>~ e</u>	1 1 1	Ш	+	SILT (	ML), very da	ırk grayis	h brown (10Y	R 3/2),		ML	<u> </u>			O H		1 1	H		<u> </u>
			-1 -2		CLAY (CL)		osoil) lowish brown	(10VR	_/										
			Ē	4/4), m	nostly silt wit	h clay, so	ome fine sand, trace roots. (L	soft to st	iff,										
			Г	Concsi	re, uniform, i	ilassive, t	race roots. (L	ocss)											
S1	32		_3	At 0.5'	to 5', LEAN si-cl = 0-36-3	CLAY (0	CL)			CL				1.25 2.0	M				
			-3 -4	LL=31	, PI=14														
			<del>-</del> 4																
			_5	CLAY	EY SAND (S	SC) vello	wish brown (1	10YR 5/6	9										
				mostly	fine sand wi	th mediu	m to coarse sa te), uniform, i	nd, fine t	0										
			<del>-</del> 6	(Till)	Holy Hill For	mation, I	Horicon Memb	per)											
			7																
S2	55		<u>-</u> 8											0.25	M				
			E																
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			-10							SC									
			E																
			<del>-</del> 11																
			12																
S3	58		Ė ,,											3.0	W				Measured depth to water at 14.35'
			<u>-13</u>																bgs.
			14																
			15																
I here	by certi	fy that	13	rmation o	on this form	is true an	d correct to th	e best of	my kı	nowled	ge.	·	1	1	1	ı	1		<u> </u>
Signa	ture	1	W =1					SCS Eng											
		Cl	1	X	A	dam Wat	son   2	830 Dair	y Driv	ve, 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.

Borin	g Numl	oer	B-2	Use only as an attachment to Form 4400-1	22.								Page	2 of 2
Sar	nple									Soil	Prope	rties		
	. & (in)	ıts	eet	Soil/Rock Description										
er /pe	Att ered	Cour	In F	And Geologic Origin For	\sigma	. <u>e</u>	日日		ard atior	r it		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
Z G	Le Re	<u>B</u>	<u> </u>	CH TV CAND (CM) - trans 1	D	<u>5</u> 1	ß Ö	PI	St Pe	Σŭ	<u> </u>	Pl	Ь	<u> </u>
			E	SILTY SAND (SM), strong brown (7.5YR 5/6), mostly fine sand with medium to coarse sand and some silt, fine to coarse gravel (mostly dolomite), trace										
			16	lenses of clay, uniform, massive. (Till) (Holy Hill										
			E -17	Formation, Horicon Member)										
S4	55		-							W				
			-18											
			19		SM									
			E 20		5.01									
			-20											
			-21											
			E -22											
S5	49									W				
			= 23											
			- -24	CLAYEY SAND (SC), white (7.5YR 8/1), strong brown (7.5YR 5/6), and reddish yellow (7.5YR 6/8),		1. 11. 11								
			F - '	fine to medium sand. (Weathered Sandstone Bedrock)	SC									
			E-25											
			26	SILTY SAND (SM), yellow (10YR 7/6), fine sand, with silt. (Weathered Sandstone Bedrock)	SM									
				CLAYEY SAND (SC), gray (10YR 6/1), with pieces of rock. (Weathered Dolomite Bedrock).	SC									
S6	28		27	Refusal, end of boring at 27' bgs in dolomite.					4.5+	w				Refusal at 27' bgs
30	26			Abandoned borehole with bentonite grout and bentonite chips.					7.5	**				due to bedrock. Dolomite
														bedrock at 30' bgs at boring B-223C.
			1		ı	ı	1	1	1	1	1	1		ı

Sun Prairie

WI

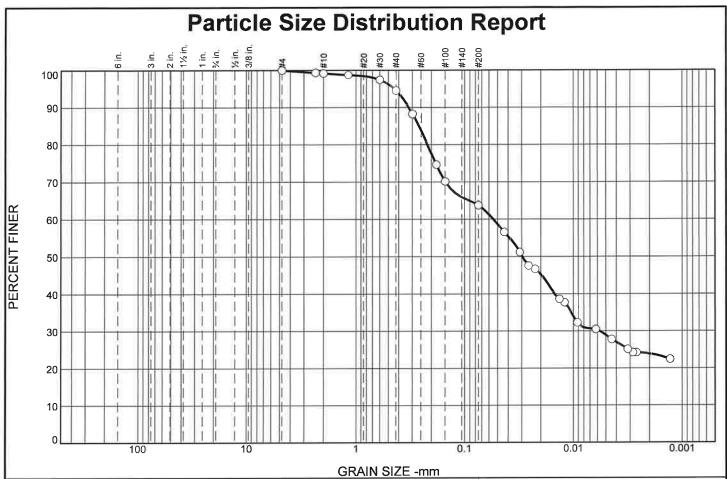
53590

#### 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-223 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 <sup>1</sup>∕<sub>4</sub> 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 01/11/2023 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. 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 Bentontie 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 14.35 **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 27 5-gallons 2lbs/gal 6. Comments Boring B-223 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 ) 37-8992 City State ZIP Code Signature of Person Doing Work Date Signed



				GRAIN SIZ	E-mm		
0/ + 211	% Gr	avel		% Sand		% Fi	nes
% +3"	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	0.0	0.8	4.7	30.8	34.8	28.9

SIEVE	PERCENT	SPEC.*	PASS?
SIZE	FINER	PERCENT	(X=NO)
#4	100.0		
#8	99.4		
#10	99.2		
#16	98.7		
#30	97.4		
#40	94.5		
#50	88.2		X
#80	74.6		
#100	70.1		
#200	63.7		

Material Description Brown Sandy Lean Clay												
Brown Sandy Le	an Ciay											
	Atterberg Limits											
PL= 17 LL= 31 PI= 14												
$\begin{array}{c ccccc} D_{90}=&0.3255 & D_{85}=&0.2629 \\ D_{50}=&0.0298 & D_{30}=&0.0057 \\ D_{10}=& C_{u}=& C_{c}= \end{array} \qquad \begin{array}{c} D_{60}=&0.0547 \\ D_{15}=\\ C_{c}=& C_{c}= \end{array}$												
USCS= CL	Classification AASHT	O= A-6(6)										
<u>Remarks</u>												

(no specification provided)

Sample Number: B223

**Depth:** 0.5'-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

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 B-223C Dane County Landfill No. 3 (Proposed) SCS#: 25222268.00 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. 2/24/2023 2/24/2023 **HQ** Core WI Unique Well No. DNR Well ID No. Common Well Name Final Static Water Level Surface Elevation Borehole Diameter 900.3 Feet MSL 8.3" & 3.8" Local Grid Origin (estimated: ) or Boring Location Local Grid Location 0 Lat 378,446 N, 2,169,403 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

Length Att. & Recovered (in) Depth In Feet Blow Counts Standard Penetration Comments Number and Type Diagram PID/FID Moisture Plasticity Graphic Content Liquid Each Major Unit USC Limit Index P 200 Well Log Blind drilled to 29.6' bgs. (See B-223 log for lithology from 0' to 27' 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	() Make 1	-	Firm	SCS Engineers
	1 Policiagno	Jackie Rennebohm, PG		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.

	g Numl	er	B-2	Use only as an attachment to Form 4400-	122.								Page	2 of 3
San	nple									Soil	Prope	erties		
	t. & d (in)	ınts	Feet	Soil/Rock Description					Ē					s
ber Jype	th At vered	Cou	l In I	And Geologic Origin For Each Major Unit	CS	hic	am	Ð.	lard ratio	ture	ਰ	city		/ nent
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Each Major Chic	OS O	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			-	Blind drilled to 29.6' bgs. (See B-223 log for lithology from 0' to 27' bgs.)										
			16	(See B-223 log for lithology from 0' to 27' bgs.)										
			E -17											
			18											
			19											
			18											
			1											
			21											
			F 22											
			23											
			24											
			_25											
			E 26											
			26											
			27											
			E -28											
			F											
			E-29			,								
			30	DOLOMITE (DL3), gray (10YR 6/1) and light brownish gray (10YR 6/2), massive to thinly bedded										
			31 -32 -33	brownish gray (10YR 6/2), massive to thinly bedded with shale, green (glauconite) clay, and sand, trace small round to oval vugs and chert. (Prairie du Chien Group, Shakopee Formation, Willow River Member)										
			E	Willow River Member)										
	55		<del>-32</del>				<u> </u> 							FF=0.87/ft
	33		_33				]							Percent Recovery=76% RQD=50%, fair
			= -34				]							RQD=50%, fair
			E	More green (glauconite) clay.	DL3									
			<del>-35</del>											
			36											
			37											
			F	Two, 0.5" thick dipping sandy layers.										
	65		<del>-38</del>	11 8										FF=1.81/ft
			39											Percent Recovery=100% RQD=56%, fair
			40											
			, 10	1		•			1	'				ı

Boring Number	B-2	Use only as an attachment to Form 4400-1	22								Page	3 of 3
Sample		252 om an an announce to 1 om 14400-1						Soil	Prop		,~	31 3
s (ii) &	t l	Soil/Rock Description										
r Se Att. red (	n Fe	And Geologic Origin For			ء ا		d tion	9		<u>S</u>		ints
Number and Type Length Att. & Recovered (in) Blow Counts	Depth In Feet	Each Major Unit	CS	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	00	RQD/ Comments
Nun and Ler Rec Blo	Dep		USC	Grap Log	Well Diagr	TIA.	Sta Pen	S S	Liquic Limit	Plastic Index	P 200	Cor RQ
П	E	DOLOMITE (DL3), gray (10YR 6/1) and light	DL3		 							
Ч	F	brownish gray (10YR 6/2), massive to thinly bedded with shale, green (glauconite) clay, and sand, trace		-								
		small round to oval vugs and chert. (Prairie du Chien Group, Shakopee Formation,										
		Willow River Member)										
		End of boring at 40.8' bgs in dolomite.  Abandoned borehole with bentonite grout and										
		bentonite chips.										

#### 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 B-223C 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 <sup>1</sup>∕<sub>4</sub> 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 02/24/2023 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): 40.8 (Bentonite Chips) Lower Drillhole Diameter (in.) Casing Depth (ft.) Sealing Materials Bentontie Grout **Neat Cement 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 NA 14.35 **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 200 lbs 7 dry mix 7 **Bentonite Grout** 40.8 72-gallons 2lbs/gal 6. Comments Boring B-223C 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) 02/24/2023 Soil & Engineering Services, Inc. Street or Route Telephone Number Comments 1102 Stewart St 608 )274-7600 City

State

WI

Madison

ZIP Code

53713

Signature of Person Doing Work

Date Signed

02/24/2023

State of Wisconsin Department of Natural Resources

#### SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

			Ro	oute To:		Vastewater	Waste	_	ement	$\boxtimes$							
					Remediation	/Redevelopment	Other	Ш									
T 91							1							X .		Page	1 of 1
	ty/Projec			No. 2 (D:	roposed)	SCS#: 25222268.00	License/	Permit/	Monito	ring Ni	ımber			Numb			
					nief (first, last) a		Date Dri	lling St	tarted		Da	te Drilli				Drill	ing Method
	ott Klui Is & E		eering	Services	s. Inc.			3/8/	2023				3/8/2	023		SS	SA
WI U	nique W	ell No	).		Well ID No.	Common Well Name	Final Sta			el	Surfac	e Elevat			Вс	1	Diameter
	~										9	00.3 F				4	.3"
	Grid Or Plane	rigin	_	stimated:	(2.169,403)	ring Location 🖂 E S/C/N	La	ıt	0	•	"	Local C					
SE		of S		1/4 of Sec		T 7 N, R 10 E	Lon	g	0	•	"		reet	: □ N			Feet DE W
Facili		01 2			County	1, 1,1110	County Co		Civil T	own/Ci	ty/ or V	Village					
					Dane		13		City	of Ma	dison	,					
Saı	nple												Soil	Prop	erties	ı	
	% (E)	ıts	eet			Rock Description											
er 'pe	Att ered	Cour	In F			eologic Origin For		S	. <u>2</u>	<u> </u>		arior	ıre 1t		ity		ents
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet		Ea	ch Major Unit		SC	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
Ž E	17 %	B	<u> </u>	DI: 1	1.21. 1			D	57	ß Ä	I I	St	Σŭ	<u> </u>	묘묘	Ъ	జై ర
			E	(See B	drilled to 1' bgs. 3-223 log from (	)-27' bgs for lithology.)											
	1		-1	LEAN	CLAY, gray (2	2.5Y 4/2 to 10YR 4/4),	mostly										
S1	18.5		_2	silt wit	th clay, some fince, trace roots. (	ne sand, soft, cohesive, Loess)	uniform,	CL				1.25	M				Ch - Il tl
31	16.5		Ē -		`							1.23	IVI				Shelby tube sample from 1-3 feet bgs.
L	+		_3	End of	f boring at 3' bg	s in Loess. Abandoned	with		/////	1							3
				benton	nite chips.												
I here	by certi	fy that	the info	ormation	on this form is	true and correct to the l	best of my k	nowled	dge.								
Signa	ture	N	•				S Engine										
		Ch	1		Ada		30 Dairy Dr		dison,	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.

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-223 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 <sup>1</sup>∕<sub>4</sub> 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 X No Did material settle after 24 hours? 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 Bentontie Grout **Neat Cement Grout** 4.3 NA 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 14.35 **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-223 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 Soil & Engineering Services, Inc. Comments Street or Route Telephone Number 1102 Stewart St 608 )274-7600 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

			Ro	ute To:		ed/Wastewa ation/Redev	ater $\square$ elopment $\square$		te Mana er 🔲	age	ment	$\boxtimes$							
																		Page	1 of 2
	ty/Proje			No. 2 (D.		CCC	#. 25222268 <i>(</i>		se/Perm	it/N	Monitor	ing N	ımber		Boring	Number Number 1			
					roposed) nief (first, la	ast) and Firr	#: 25222268.0 n		Drilling	Sta	ırted		Da	te Drilli				Drill	ing Method
On		nviro		al Serv	rices, Inc.						2023				1/9/2	023			irect Push ID
WI U	nique W	Vell No	).	DNR V	Well ID No	. Com	mon Well Nan		Static V					e Eleva		.c.	Во	rehole	Diameter
Local	Grid O	rigin	☐ (es	stimated:		Boring Lo	cation 🖂		900.9			SL_		06.9 I				2	.3"
State	Plane		378		, 2,167,8	866 E	S/C/N		Lat	-	·	<u>'</u>	"			□ N	ſ	]	Feet E
SW Facili		of S	E 1	/4 of Sec	County 25	5, т7	N, R 10	E Lounty	ong	10	o  Civil T	<u>'</u>	ity/ or V	V:110.00		□ S			□ W
гасш	ty ID				Dane			13	Code				ity/ or v idison	_					
Saı	mple							1							Soil	Prope	erties		
	& (ii)	×	et		S	Soil/Rock D	escription												
r	Att.	ount	n Fe		Ar	nd Geologic	Origin For		\ \cdot \cdo	,	0	д		d. tion	8 t		ty		suts
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet			Each Majo	or Unit				Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
S1 S1 S2	31		-1 -2 -3 -4 -5 -6 -7 -8	SILTY reddish mediur gravel	C rich, with CLAY (Classification of CLAY) (Classification of Classification of Clas	M), olive by YR 5/4), mc sand and se	rown (2.5Y 4/4, soft to medium race roots. (Lorown (2.5Y 4/6) ostly fine sandome clay, fine form, massive	4) and with to coarse	CI					1.0	M				Measured depth to water at 6' bgs.
S3	60	fy that	-10 -11 -12 -13 -14 -15	CLAY mostly	fine sand v	O (SC), reddiwith mediur	ish yellow (5Yn to coarse san	nd and clay						2.25	W				
I here Signa	•	ıy tnat	ine info	rmation c	ni unis form	ı is true and	T-1			eag	e.								
		Ch	T		A	Adam Watso	ļ ~	SCS Engi 830 Dairy l		Mad	lison, V	VI 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 Nun	ber	B-2	Use only as an attachment to Form 4400-1	22.								Page	2 of 2
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
S4 39		16		SC NSC	Graphic			1.5 2.5	Moisture Content				Refusal due to bedrock at 18.5' bgs. Dolomite bedrock at 22' bgs at boring B-224C.

Sun Prairie

WI

53590

#### Well / Drillhole / Borehole Filling & Sealing Report

01/09/2023

dnr.wi.gov 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-224 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 <sup>1</sup>∕<sub>4</sub> 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): (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 0.08 lbs dry mix **Bentonite Grout** 0.5 18.5 3.8-gallons 2lbs/gal 6. Comments Boring B-224 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

State of Wisconsin
Department of Natural Resources

Route To:

Remediation/Redevelopment 
Other 
SOIL BORING LOG INFORMATION
Form 4400-122 Rev. 7-98

Rev. 7-98

				Remediation	/Redevelopment	Other										
	y/Projec			No. 3 (Proposed)	SCS#: 25222268.00	License/P	ermit/	Monito	ring Nu	mber		Boring	Numb B-22	er	Page	1 of 3
Boring	Drilled	ity Lai l By: 1	Name o	f crew chief (first, last)		Date Dril	ling St	arted		Da	te Drilli				Drill	ing Method
_	tt Klu	•		, ,			8					0	1			SA 4.25" ID
Soil	ls & E	ngine	ering	Services, Inc.				2023				2/8/2	023		HÇ	) Core
WI Ur	ique W	ell No.	,	DNR Well ID No.	Common Well Name	Final Stat	tic Wat	ter Leve	el S		e Elevat			Bo		Diameter
	0:10										06.9 I				8.3	" & 3.8"
	Grid Oı Plane	ngın		stimated: (1) or Bo ,047 N, 2,167,866	oring Location 🖂	Lat	t	0	•	"	Local C				,	
SW		of SI		/4 of Section 25,	T 7 N, R 10 E	Long		0	,			Feet	: □ N			Feet □ E □ W
Facilit		01 51		County	1 / 1, K 10 L	County Cod		Civil T	own/Cit	y/ or V	Village			'		
				Dane		13		City	of Mac	lison						
San	nple						•					Soil	Prop	erties		
	æ (ii)	S	्रा स	Soil/	Rock Description											
ပ	Att.	ount	l Fe	And C	eologic Origin For					_	_ ion	0		>		nts
lber Typ	gth /	۲ د	th Ir	Ea	ich Major Unit		CS	hic	l gran	ÆID	darc	sture	it it	ticit.	0	)/ nmer
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet				S O	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
				Blind drilled to 22' bg (See B-224 log for lit	ss. hology from 0' to 18.5' b	ogs.)										
herel	y certif	y that	the info	ormation on this form is	true and correct to the b	est of my ki	nowled	lge.								_
Signat	ure (	M	Rm	1	Firm SC	S Enginee	rs									

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.

2830 Dairy Drive, Madison, WI 53718

Jackie Rennebohm, PG

Borin	g Numb	er	B-2	Use only as an attachment to Form 4400-1	122.								Page	2 of 3
San	nple									Soil	Prope	erties		
	t. & (ii)	nts	eet	Soil/Rock Description					ے ا					
er ype	h Ati ered	Com	In F	And Geologic Origin For	N N	.c	ur E		ard atio	ure		sity		nents
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
			-	Blind drilled to 22' bgs. (See B-224 log for lithology from 0' to 18.5' bgs.)		0 7			0.7	7				
			<u>-</u> 16	(See B-224 log for lithology from 0' to 18.5' bgs.)										
			E -17											
			E											
			-18											
			19											
			E_20											
			Ē											
			-21											
			-22	DOLOMITE (DL3), very pale brown (10YR 7/3) and										
			-23	DOLOMITE (DL3), very pale brown (10YR 7/3) and light gray (10YR 7/1), massive, sandy, with chert nodules, dendrites, round to oval vugs, and ooids.										
Run	30			(Prairie du Chien Group, Shakopee Formation, Willow River Member).	DL3									FF=2/ft Percent
1	30		E 24		DLS									Recovery=67% RQD=0%, very poor Drill bit
			-25											jam.
			26	DOLOMITIC SANDSTONE (DL3), yellow (2.5Y		::::::								
Run 2	8		E -27	7/8) and white 2.5Y 8/1), fine to medium sand, poorly sorted, massive, cemented with dolomite and chert										FF=7.5/ft Percent
_			E 20	clasts, oolithic, with green (glauconite) clay.  (Prairie du Chien Group, Shakopee Formation, New										Recovery=36% RQD=0%, very poor
			<u>-28</u>	Richmond Member)										
			29											
			_30											
			-31											
Run	13.5		E 31											Percent
3			32											Recovery=7% RQD=0%, very poor
			=33		DL3									poor
			34											
			E											
			_35											
			36											
Run	4		_37											Percent 120/
4			E 20											Recovery=13% RQD=0%, very poor
_ 			_38											
Run	8		39											Percent
5			-40			:::::								Recovery=31%

Borin	g Numl	oer	B-2	Use only as an attachment to Form 4400-1	122.								Page	3 of 3
Sar	nple									Soil	Prope	rties		
er Pe	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For	S	.c.	E		ırd ation	ıre		ity		ents
Number and Type	Length Recov	Blow (	Depth	Each Major Unit	USC	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			— —41	DOLOMITIC SANDSTONE (DL3), yellow (2.5Y										RQD=0%, very poor Drilling fluid is gray
Run 6	20		42	7/8) and white 2.5Y 8/1), fine to medium sand, poorly sorted, massive, cemented with dolomite and chert clasts, oolithic, with green (glauconite) clay. (Prairie du Chien Group, Shakopee Formation, New										FF=4.8/ft Percent Recovery=43% RQD=0%, very poor
			-43 -44	Richmond Member)	DL3									poor
			45											
Run 7	6.5		-46	End of boring at 46' bgs in dolomitic sandstone. Abandoned borehole with bentonite grout and bentonite chips.										FF=9/ft Percent Recovery=33% RQD=0%, very
														poor

Madison

WI

53713

#### 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) B-224C 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 SW <sup>1</sup>∕<sub>4</sub> 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 Yes X N/A Screen removed? No 02/08/2023 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. Construction Type: Did sealing material rise to surface? settled ~11.51 X Yes No N/A Did material settle after 24 hours? X Yes No N/A X Drilled Driven (Sandpoint) Dua If yes, was hole retopped? 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 Casing Diameter (in.) Total Well Depth From Ground Surface (ft.) Screened & Poured Other (Explain): 46 (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? 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 **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 11.5 300 lbs dry mix Bentonite Grout and Fine Sand 11.5 46 90-gallons 3lbs/gal 6. Comments Boring B-224C 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) 02/08/2023 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

State of Wisconsin Department of Natural Resources

#### SOIL BORING LOG INFORMATION

Resources Form 4400-122 Rev. 7-98

Poute To: Watershed/Wastewater 
Waste Management 
Waste Management

			KC	<u>ute 10.</u>					iage	emem								
Facili	ty/Projec	ct Nan	ne				Licens	se/Perr	nit/	Monito	ring N	umber		Boring	Numb		Page	1 of 2
				No. 3 (Pa	roposed)	SCS#: 25222268.0					J							
						nd Firm	Date I	Drilling	g St	tarted		D	ate Drill	ing Cor	npleted		Drill	ling Method
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WI U	nique w	eli No	).	DNK V	veli ID No.	Common Well Nan									ıcı	Во		
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Facili	ty ID				•			Code				•	_					
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Saı	nple													Soil	Prope	erties		
	% (ii)	ıts	set		Soil/R	ock Description							_					
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Nu	Lei	Blc	De									III.	Sta Per	ပို 🖔	Lig	Pla Ind	P 2	Co 2
	1		E	SILT (	ML), very dark	grayish brown (10Y)	R 3/2),	N	ЛL	71 1/2 .71	1							
			E <sub>1</sub>				vith black	-/										
			E	and ora	ange mottling, m	nostly silt with clay,	some fine											
			_2			niform, massive, trac	ce roots.											
S1	39		Ė	(=====)	,								1.75	M				
			3															
			F,															
			F-4															
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			E	At 5' to % g-s-s	) 9', LEAN CLA si-cl = 0-12-49-1	AY (CL) 39												
			-6	LL=47.	, PI=25		( <b>5</b> VD	.										
			Ė	3/1) wi	ith trace gravel.	K 4/2) and very dark	gray (5 Y K	·										
			F <sup>7</sup>		_													
S2	44		E.											M/W				Water at about 6' bgs.
			F°															
			E_9	CH TX	CAND (CM) 1	(7.5VD 5/4)	41 6			10 40 41 A	-							
			F	to medi	ium sand and so	orown (7.5 Y R 5/4), rome clay, fine to coar	nostly fine rse gravel											
F	1		10	(mostly	y dolomite), unif	form, massive, very	soft,											
			Ē			Tilli Formation, Tiori	COII				:							
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S3	10		12					3	)1VI					W				
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I here	E 1/4 of SE 1/4 of Section 2.5, T 7 N, R 10 E Long																	
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		Ch	X		Adar	-	SCS Engi 830 Dairy l			dison, V	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

_Borin	g Numb	er	B-2	Use only as an attachment to Form 4400-1.	22.								Page	2 of 2
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
S4	60		-16 -17 -18 -19	SILTY SAND (SM), brown (7.5YR 5/4), mostly fine to medium sand and some clay, fine to coarse gravel (mostly dolomite), uniform, massive, very soft, saturated. (Till) (Holy Hill Formation, Horicon Member)  Coarser grained.	SM				1.0	W				
S5	60		-20 -21 -22 -23 -24 -25	FAT CLAY (CH), light olive brown (2.5Y 5/4), with red, orange, and yellow mottling, with fine to coarse gravel, angular, with chert, soft to stiff. (Ancell Group, St. Peter Formation, Readstown Member)  Pinkish gray (7.5YR 6/2), grades to SANDY FAT CLAY (CH) and CLAYEY SAND (SC).  CLAYEY SAND (SC), white (5Y 8/1) with pale green (GLEY 1 6/2), fine to medium sand, stiff. (Ancell Group, St. Peter Formation, Readstown Member)	SS3				1.0 4.0	W				
S6	29		-25 -26 -27	SILTY CLAYEY SAND (SC-SM), yellowish brown (10YR 5/4), mostly fine sand with medium to coarse sand, loose to cohesive, dry. (Ancell Group, St. Peter Formation, Readstown Member) At 27' yellow (10YR 8/8).  Refusal, end of boring at 27.5' bgs in dolomite. Abandoned borehole with bentonite grout and bentonite chips.					1.0 4.5+	W				Refusal at 27.5' bgs. Dolomite bedrock at 32' bgs at boring B-225C.

Sun Prairie

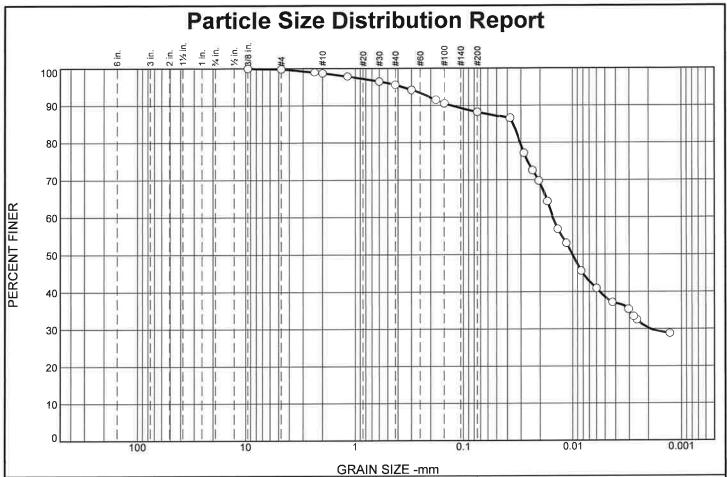
WI

53590

#### Well / Drillhole / Borehole Filling & Sealing Report

01/12/2023

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-225 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 <sup>1</sup>∕<sub>4</sub> 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 01/12/2023 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): 27.5 (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 **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 27.5 5-gallons 2lbs/gal 6. Comments Boring B-225 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) 01/12/2023 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



				GRAIN SIZ	<u> </u>		
0/ - 011	% Gr	avel		% Sand		% Fi	nes
% +3"	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	0.2	1.1	3.1	7.3	49.7	38.6

SIEVE	PERCENT	SPEC.*	PASS?
SIZE	FINER	PERCENT	(X=NO)
3/8	100.0		
#4	99.8		
#8	98.9		
#10	98.7		
#16	97.8		
#30	96.5		
#40	95.6		
#50	94.2		
#80	91.5		
#100	90.6		
#200	88.3		

	Material Descriptio	n
Gray-Brown Lear	n Clay, Some Sand, Tr	ace Gravel
PL= 22	Atterberg Limits LL= 47	PI= 25
D <sub>90</sub> = 0.1286 D <sub>50</sub> = 0.0100 D <sub>10</sub> =	Coefficients D85= 0.0357 D30= 0.0019 Cu=	D <sub>60</sub> = 0.0154 D <sub>15</sub> = C <sub>c</sub> =
USCS= CL	Classification AASHT	O= A-7-6(23)
	<u>Remarks</u>	

(no specification provided)

Sample Number: B225

Depth: 5'-9'

**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

State of Wisconsin SOIL BORING LOG INFORMATION Department of Natural Resources Form 4400-122 Route To: Watershed/Wastewater Waste Management

License/Permit/Monitoring Number   Boring Number   B-225C					Remediation/	Redevelopment	Otner	ш									
Borning Drilled By: Name of crew chief (first, last) and Firm   Date Drilling Started   Date Drilling Completed   Brilling Manage   Scott Klumb   Soils & Engineering Services, Inc.   2/17/2023   2/17/2023   2/17/2023   HQ Cor					N. 2 (D. 1)	0.0011.050000.00	License/I	Permit/	Monito	ring Nu	ımber				er	Page	1 of 3
District   District	Boring Scc	g Drill ott Kl	led By umb	: Name	of crew chief (first, last) a		Date Dri				Da		ing Cor	npleted		HS.	ing Method A 4.25" ID 6
State Plane 377,948 N, 2,168,814 E S/C/N	WI Uı	nique \	Well 1	No.	DNR Well ID No.		Final Sta			el		e Eleva 04.2 I	tion Feet N	1SL	Вс	rehole	Diameter
Sample  Soll/Rock Description  And Geologic Origin For Each Major Unit  Blind drilled to 31.5' bgs. (See B-225 log for lithology from 0' to 27.5' bgs.)  Blind drilled to 31.5' bgs. (See B-225 log for lithology from 0' to 27.5' bgs.)	State	Plane		37	7,948 N, 2,168,814	E S/C/N				<u>'</u>		Local C		□ N		]	Feet  E W
Soil/Rock Description And Geologic Origin For Each Major Unit  Soil-Rock Description Each Major Unit  Soil-Rock Description And Geologic Origin For Each Major Unit  Black Major Unit	Pacilit	ty ID					-	de			-	_					
And Geologic Origin For Each Major Unit    And Geologic Origin For Each Major Unit   S O S O S O S O S O S O S O S O S O S	Sar	mple											Soil	Prope	erties	I	
Blind drilled to 31.5' bgs. (See B-225 log for lithology from 0' to 27.5' bgs.)  -2 -3 -4 -5 -6 -7 -8 -9	Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	And Ge	eologic Origin For		SC	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
Thereby certify that the information on this form is true and correct to the best of my knowledge.	[here]	by cert	tify th	-2 -3 -4 -5 -6 -7 -10 -11 -12 -13 -14				nowledg	ge.								

Signature (MRmfm	irm	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

Boring Numl	ber	B-2	Use only as an attachment to Form 4400-1	22.				1				Page	2 of 3
Sample									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 -20 -21 -22 -23 -24 -25 -26 -27 -28 -29 -30	Blind drilled to 31.5' bgs. (See B-225 log for lithology from 0' to 27.5' bgs.)										
48		-31 -32 -33 -34 -35 -36 -37 -38 -39 -40	DOLOMITE (DL4), light gray (7.5YR 7/1) and light gray (10YR 7/2), massive, sandy, with chert, vugs, and dendrites. (Prarie du Chien Group, Oneota Formation)  More sandy (possibly from sluff though).	DL4									FF=1/ft Percent Recovery=96% RQD=53%, fair Inner core barrel sleeve became sand locked, had to manually hammer out the core, the core broke into pieces.  FF=0.82/ft Percent Recovery=83% RQD=15%, very poor

Bor	ng Num	ber	B-2	Use only as an attachment to Form 4400-1.	22.								Page	3 of 3
	mple									Soil	Prope	erties		_
Number	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
			Ē		DL4	/								
				End of boring at 40.6' bgs in dolomite.  Abandoned borehole with bentonite grout and bentonite chips.	DL4									

### 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 B-225C 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 <sup>1</sup>∕<sub>4</sub> 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 02/17/2023 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 **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 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 12 350 lbs dry mix **Bentonite Grout** 12 40.6 190-gallons 2lbs/gal 6. Comments B-225C 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) 02/17/2023 Soils & Engineering Services, Inc. Street or Route Telephone Number Comments 1102 Stewart St 608 )274-7600 City

State

WI

Madison

ZIP Code

53713

Signature of Person Doing Work

Date Signed

02/17/2023

#### SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

			<u>Ro</u>	oute To:	Watershed/	_	_	Waste 1		ement	$\boxtimes$								
					Remediatio	n/Redevelopment		Other											
E '1'	/D :	. 3.7						lr: n	D :	(N. f		<b>&gt;</b> T	1		D :	N. 1		Page	1 of 1
	ty/Proje			No. 2 (I	Proposed)	909#. 25222269	2 00	License/	Permit/	Monito	oring	Num	ıber			Numb B-22			
					hief (first, last)	SCS#: 25222268 and Firm	5.00	Date Dri	lling St	tarted			Date	e Drilli		npleted		Dril	ing Method
Toı	ıy Kap	ougi			vices, Inc.					/2023	<b>.</b>				1/12/2			D	irect Push
WI U	nique W	ell No			Well ID No.	Common Well N	ame	Final Sta				Sı	urface	Elevat		1023	Во		Diameter
	-							90	2.2 F	eet M	ISL				eet N			2	.3"
	Grid O	rigin				oring Location 🖂		1.	ıt	0	,		, I	Local C	Grid Lo				
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	,				Dane			13		City				J					
Saı	nple														Soil	Prope	erties		
	sk (iii	S	et		Soil	Rock Description													
. o	Att.	ount	ı Fe		And (	Geologic Origin For				l			(	d ion	ေ		8		nts
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet		E	ach Major Unit			CS	Graphic Log		Diagram	PID/FID	Standard Penetration	Moisture Content	uid	Plasticity Index	200	RQD/ Comments
Nun	Len	Blo	Dep						S N	Grap Log	Well	Dia	PID	Staı Pen	Mo	Liquid Limit	Plastic Index	P 2(	RQ
			F	SILT	(ML), very dar	k grayish brown (10	YR 3	/2),	ML	7 <u>1 1</u> 7 .71	. /								
			E <sub>1</sub>		ic rich, with roo I CLAY (CL).	ots. (1 opso11) brown (7.5YR 4/3)	with 1	black											
			F	mottli	ng, mostly silt	with clay, some fine ohesive, uniform, m	sand,	trace											
			-2	roots.	(Loess)		assive	e, mace											
S1	41		E_3	At 1' t	to 5', LÉAN CI -si-cl = 0-26-46	LAY (CL) 5-28			CL					1.5 1.0	M/W				Measured depth to water at 4.5'
			F 3	LL=30	0, PI=14									1.75					bgs.
			-4																
			E																
			_5	SILTY	Y SAND (SM)	brown (7.5YR 5/4)	, mos	tly fine											
			<u>-</u> 6	to coa	rse gravel (mos	coarse sand and sor tly dolomite), unifor	rm, m												
			Ė .	(Till)	(Holy Hill Forr	nation, Horicon Mer	nber)												
			7						SM										
S2	36		E <sub>o</sub>												W				Refusal at 10' bgs due to bedrock.
			<del>-</del> 8																Dolomite bedrock at 11.3'
			<u>_</u> 9	DOOL	DI V CD A DEC	SAND WITH SILT	ГАМП	D.											bgs at boring B-226C.
			E	GRAV	VEL (SP-SM),	yellow (10YR 7/6) a	and br	rownish	SP-SM										
L	1		10	yellow	v (10YR 6/6), f e gravel, (mostl	ine to coarse sand any dolomite). (Weath	nd fin ered I	e to Dolomite [		10.000	4								
				Bedro	ck)	, , ,													
				Refusa Abanc	al, end of borin doned borehole	g at 10' bgs in dolor with bentonite grou	nite. t and												
					nite chips.	J													
	<u> </u>		<u> </u>																
	-	ty that	the info	rmation	on this form is	true and correct to t				ge.									
Signa	ure	(l	Y		Ad	lam Watson Firm		S Engine Dairy Dri		dison.	WI 5	3718	3						

Sun Prairie

WI

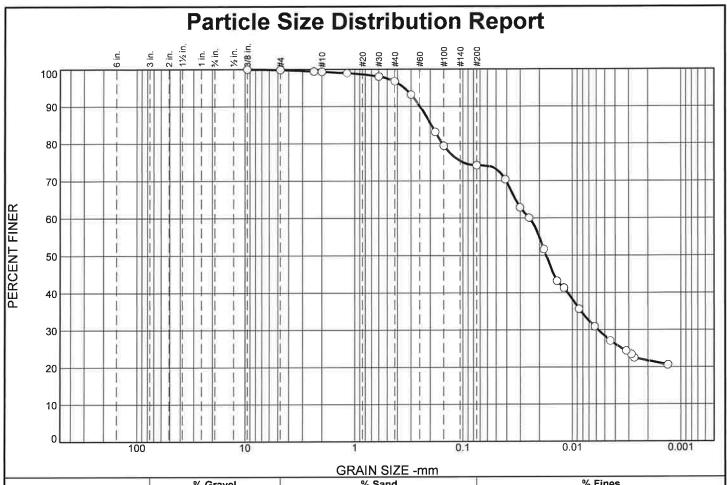
53590

### Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

01/12/2023

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-226 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 <sup>1</sup>∕₄ NE Section Township Range Original Well Owner XE Dane County Department of Waste and Renewables 7 N or Gov't Lot# 36 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 01/12/2023 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) **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 0.16 lbs 1 dry mix **Bentonite Grout** 1 10 1.8-gallons 2lbs/gal 6. Comments Boring B-226 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) 01/12/2023 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



0/ -0		% Gr	avel		% Sand		% Fi	nes
% +3	)"	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0		0.0	0.1	0.5	2.7	22.6	45.7	28.4
SIEVE	PERCENT	SPEC	* P.	ASS?		Mate	erial Description	

ſ	SIEVE	PERCENT	SPEC.*	PASS?
	SIZE	FINER	PERCENT	(X=NO)
Ī	3/8	100.0		
-	#4	99.9		
-	#8	99.5		
-	#10	99.4		
1	#16	99.0		
-	#30	98.0		
1	#40	96.7		
-	#50	93.1		
-	#80	83.1		
-	#100	79.4		
-	#200	74.1		
-				
1				
-				
١				

	Material Description, Some Sand, Trace C	
PL= 16	Atterberg Limits LL= 30	PI= 14
D <sub>90</sub> = 0.2501 D <sub>50</sub> = 0.0174 D <sub>10</sub> =	Coefficients D <sub>85</sub> = 0.1967 D <sub>30</sub> = 0.0058 C <sub>u</sub> =	D <sub>60</sub> = 0.0248 D <sub>15</sub> = C <sub>c</sub> =
USCS= CL	Classification AASHT	O= A-6(8)
	Remarks	

(no specification provided)

Sample Number: B226

**Depth:** 1'-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

Form 4400-122 Rev. 7-98

			Ro	oute To:	Watershed/W Remediation/	/astewater  /Redevelopment  /	Waste I Other	_	ement	$\boxtimes$							
						1 —										Page	1 of 3
	y/Projec						License/l	Permit/	Monito/	ring Nu	ımber			Numb	er	1 ugc	1 01 5
					roposed) ief (first, last) a	SCS#: 25222268.00	Date Dri	Ilina Cı	torted		Do	te Drilli		B-22		Drill	ling Method
	tt Klu	-	ivaine o	i ciew cii	iei (iiisi, iasi) a	na rum	Date Dil	illig 5	iarieu		Da	ite Dilili	ng Coi	присиси			A 4.25" ID &
Soi	ls & E	ngine		Service					/2023				2/21/2	2023		HÇ	) Core
WI Ur	nique W	ell No	).	DNR V	Well ID No.	Common Well Name	Final Sta	tic Wa	ter Leve	el		e Elevat 06.7 F		/CI	Bo		Diameter " & 3.8"
Local	Grid Oı	rigin	(e:	stimated:	) or Box	ring Location	<u> </u>		0			Local C				0.3	<u> </u>
	Plane				2,168,776		La			<u> </u>			Feet	: 🗆 N			Feet E
NE Facilit		of N	E 1	/4 of Sec	ction 36,	T 7 N, R 10 E	Long County Co		Civil T	own/Ci		Villaga					□ W
aciiii	y ID			I .	Dane		13	de		of Ma	-	_					
San	nple												Soil	Prope	erties		
	& in)	×	et		Soil/F	Rock Description											
r pe	Att. red (	ount	n Fe		And Go	eologic Origin For		S	0	 		dion	8 7		ty		suts
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet		Eac	ch Major Unit		S C S	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
an N	Le	Ble	De					n	Graț Log	D. W	II.	Sta Pe	žΰ	ri ri	Pla	P 2	- C RC
			-1 -2 -3 -4 -5 -6 -7 -8 -9 -10 -11 -12 -12	DOLO pale br	oMITE (DL4), li own (10YR 7/3	ight gray (10YR 7/2) a	nd very dendrites,										
Run 1	22		-12 -13 -14	glaucon	nite, and round,	o), massive, with chert, oval and elongated vu ap, Oneota Formation)	gs.	DL4									FF=2.2/ft Percent Recovery=39% RQD=12.5% very poor
herel	y certif	fy that	1 13	rmation c	on this form is t	rue and correct to the b	est of my kr	nowled	ge.			ı	-	1	·		
Signat	ure (	M	D 1		Jackie Rennel		S Engine										
	1	1	my	W	Jackie Kennel	283	30 Dairy Dri	ve. Ma	dison.	WI 537	18						

	g Numb	er	B-2	Use only as an attachment to Form 4400-1	22.				,				Page	2 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	USCS	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
Run 2	44		-16 -17 -18 -19 -20	DOLOMITE (DL4), light gray (10YR 7/2) and very pale brown (10YR 7/3), massive, with chert, dendrites, glauconite, and round, oval and elongated vugs. (Prairie du Chien Group, Oneota Formation) Sandy, with trace green (glauconite) clay.										FF=1.08/ft Percent Recovery=73% RQD=33%, poor
Run 3	52		-21 -22 -23 -24 -25	Less chert, aragonite crystallization in some vugs.										FF=0.62/ft Percent Recovery=87% RQD=37%, poor
Run 4	58.5		-26 -27 -28 -29 -30		DL4									FF=1.64/ft Percent Recovery=98% RQD=76%, good
Run 5	48		-31 -32 -33 -34 -35											FF=1/ft Percent Recovery=80% RQD=45%, poor
Run 6	42		-36 -37 -38 -39 -40	From 36' to 37.5', chert intermixed with green (glauconite) clay.										FF=1.43/ft Percent Recovery=70% RQD=54%, fair

Boring Number	B-2	Use only as an attachment to Form 4400-12	22.								Page	3 of 3
Sample								Soil	Prope	erties		
ins (in)	eet	Soil/Rock Description					٦,					
er ype h Att rered Coun	In F	And Geologic Origin For Each Major Unit	S	.c.	am .	П	ard ation	nt e		city		nents
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
B R L S Z			DL4		N CI	Ь	S A	20		P 1	Ь	<u> </u>
Ц	F	End of boring at 40.7' in dolomite.	DL4									
		Abandoned borehole with bentonite grout and bentonite chips.										
		1										

Madison

WI

53713

### Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

02/21/2023

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-226C 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 <sup>1</sup>∕₄ NE Section Township Original Well Owner XE Dane County Department of Waste and Renewables 7 N or Gov't Lot# 36 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 02/21/2023 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): 40.7 (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 **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 4 100 lbs dry mix **Bentonite Grout** 4 40.7 50-gallons 2lbs/gal 6. Comments Boring B-226C 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) 02/21/2023 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

			Ro	ute To:		shed/Was				_	ement	$\boxtimes$							
					Remed	lation/Re	edevelopi	ment $\square$	Other										
Facili	ty/Proje	et Man	ne						License/	Dermit/	Monito	ring Nu	ımber		Boring	Numbe		Page	1 of 2
	-			No. 3 (P	roposed)	) :	SCS#: 25	5222268.00	License	CITIII	WIOIIIO	ing ive	illioci			B-22			
					nief (first,				Date Dri	lling S	tarted		Dat	e Drilli		npleted		Drill	ing Method
On	ny Kap -site E	nviro	onment	al Serv	rices, Inc	c.				1/12	/2023				1/12/2	2023			rect Push ID
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Lagal	Grid O			timatad.		n Donin	~ I acatio		90	)7.1 F	eet M	SL			Feet Norid Loc			2	.3"
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NE	1/4	of N		/4 of Sec		*		N, R 10 E	Long	g	0	•			1 000				□ W
Facili	ty ID				County				County Co	de	Civil T		•	_					
					Dane				13		City	of Ma	dison						
Sai	mple_														Soil	Prope	erties		
	(ii)	ıts	eet			Soil/Roc		-						_					
r pe	Att ered	Cour	In F		A	And Geol				N N	ွှ	日日	lΑ	rd atior	r ie		ity		ents
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet			Each l	Major U	nit		USC	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
		-	_	SILT (	ML), ver	y dark gra	ayish bro	own (10YR	3/2),	ML	7, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	7 1		07 14	2 0		I	<del></del>	<u> </u>
			1 -2		c rich, wit					ML	1/ - 1/1/								
			F	with bl	lack mottl	ling, mos	tly silt w	sh brown (1 rith clay, sor	ne fine										
			-2	sand, se (Loess)	soft, cohes	sive, unif	orm, mas	ssive, trace	roots.										
S1	38		E,	(Locas)	,									1.0	M/W				Depth to water at 4' bgs.
			_3							CL				1.25 2.25					1 0gs.
			<u>-</u> 4							C.E.									
			5																
-	+																		
			6																
			E	SILTY	SAND (	SM), bro	wn (7.5)	YR 5/4), mo and some c	stly fine										
			<u>-</u> 7	to coar	se gravel	(mostly d	dolomite)	), uniform, r	nassive.										
S2	28		Ė	[ (Till)(I	Holy Hill	Formatio	on, Horic	on Member	·)					0.5	W				
			<del>-</del> 8																
			_9																
			Ė ĺ																
-	+		10	Yellow	vish brow	n (10YR	5/4).												
			Ė.,	T GIIG !!	ibii oro w	(10111	<i>U</i> , . <i>y</i> .			SM									
			-11																
			E <sub>12</sub>																
S3	50		F												W				
			-13																
			F 14																
			14																
			E <sub>15</sub>																
	-	fy that	the info	rmation o	on this for	m is true	and cor	rect to the b	est of my kı	nowled	ge.								
Signa	ture		W =			A dam 1	Water		S Engine										
		Ch	7	M		Adam V	w atson	283	0 Dairy Dri	ve, Ma	dison, V	<i>N</i> I 537	18						

	g Numl	er	B-2	Use only as an attachment to Form 4400-1	22.				ı				Page	2 of 2
San	nple									Soil	Prope	rties		
	t. & I (in)	nts	eet	Soil/Rock Description					_ =					70
er ype	h At ⁄ereċ	Cou	In	And Geologic Origin For Each Major Unit	S	.g	am	Д	ard	ure	_	city		nents
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Each Major Onit	SC	Graphic Log Well	Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
<u> </u>	L R	Щ			n		· Д		S d	20		P Iı		<u> </u>
			E -16											
			= 10											
			17											
S4	49		- -18						0.5	W				
			E											
			<del></del> 19											
	-		20	1" layer of white (10YR 8/1) sandy clay.										
			= 21	1 layer of withe (1011k %1) sailay elay.	SM									
			<u>-21</u>											
			-22											
S5	60		-23						1.25	W				
			E											
			-24											
			25											
0.6	24		E -26	1" layer of yellow (10YR 7/8) fine sand.					1.75	***				
S6	24		= 20	CLAYEY SAND (SC), yellowish brown (10YR 5/6), fine to coarse sand, with 1" layer of white clay (10YR	SC				1.75 1.0	W				Refusal at 27' bgs due to bedrock. Dolomite
			-27	8/1) at bottom of sample, sub-rounded gravel (mostly dolomite). (Weathered Dolomite Bedrock)										bedrock at 29.5' bgs at boring B-227C.
				Refusal, end of boring at 27' bgs in dolomite. Abandoned borehole with bentonite grout and										B-22/C.
				bentonite chips.										

Sun Prairie

WI

53590

### Well / Drillhole / Borehole Filling & Sealing Report

01/12/2023

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-227 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 <sup>1</sup>∕₄ NE Section Township Range Original Well Owner XE Dane County Department of Waste and Renewables 7 N or Gov't Lot# 36 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 01/12/2023 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** ★ 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 1 **Bentonite Grout** 27 5-gallons 2lbs/gal 6. Comments Boring B-227 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) 01/12/2023 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

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Form 4400-122 Rev. 7-98

			Ro	ute To:	Watershed/	Wastewater	Waste l	_	ement	$\boxtimes$							
					Remediation	n/Redevelopment	Other										
																Page	1 of 3
	y/Proje				10		License/1	Permit/	Monito	ring Nu	ımber			Numb			
					roposed) ief (first, last)	SCS#: 25222268.00	Date Dri	lling St	arted		Dat	te Drilli		B-22		Drill	ling Method
	tt Klu	-	varie o	i ciew cii	ner (msi, iust)	and I min	Date Dil	illing 50	urtea		Du	ic Dilli	ng con	приссес			SA 4.25" ID
Soi	ls & E	ngine	eering	Service					/2023				2/21/2	2023		H	Q Core
WI Uı	nique W	ell No	•	DNR V	Well ID No.	Common Well Name	Final Sta	tic Wa	ter Leve	el		e Elevat 11.1 F		<b>ICT</b>	В		Diameter " & 3.8"
Local	Grid Oı	rigin	☐ (es	timated:	) or Bo	oring Location 🖂						Local G				8.3	<u> </u>
State		0			2,168,624		La	t	<u> </u>	<u>'</u>	"			□ N	ſ		Feet E
NE		of N	E 1	/4 of Sec		т 7 N, R 10 E	Long		°	<u>'</u>				$\square$ S			$\square$ W
Facilit	y ID				County Dane		County Co	de	City City	own/Ci of Ma	-	_					
Sar	nple				Dane		13		City	oi ivia	dison	<u> </u>	Soil	Prope	erties		
	1				Soil/	Rock Description							5011	Порс			
	Length Att. & Recovered (in)	Blow Counts	Depth In Feet			Geologic Origin For						on					ts
lber Гуре	th A	, Co	h In			ach Major Unit		CS	hic	ram	FID	dard	sture	Pi T	icity		)/ men
Number and Type	Leng	Blov	Dept			, and the second		S O	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			=	Blind d	drilled to 27' bg	gs.											
			<u>-</u> 1	(See B-	-227 log for lit	hology from 0' to 27' bg	gs.)										
			-1														
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			_ 15														
	-	y that	the info	rmation c	on this form is	true and correct to the b	est of my kr	owled	ge.								
Signat	ure (	Mr	Rms	2	Jackie Renn	Firm SC	CS Engine	ers	d: V	VII 527	10						

	g Numb	er	B-2	Use only as an attachment to Form 4400-1	22.								Page	2 of 3
San	nple									Soil	Prope	rties		
	t. & d (in)	ınts	Feet	Soil/Rock Description					ā					so.
oer ype	th At	Con	I uI u	And Geologic Origin For Each Major Unit	CS	nic .	am	Ð	lard ratio	ture	- <del>0</del>	city		/ nent
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Laci Major Cint	OS O	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
				Blind drilled to 27' bgs. (See B-227 log for lithology from 0' to 27' bgs.)	·									
			16	(See B-22/ log for lithology from 0' to 2/' bgs.)										
			18											
			E 18											
			-17 -18 -19 -20											
			_											
			21											
			-22											
			E											
			E 24											
			25											
			26											
			<u>-</u> 27											
			28											
			F											
			29	DOLOMITE (DL4), light gray (10YR 7/2) and very										
			- 30	pale brown (10YR 7/3), sandy, massive, with chert, dendrites, green (glauconite) clay, and round, oval and										
			31	pale brown (10YR 7/3), sandy, massive, with chert, dendrites, green (glauconite) clay, and round, oval and elongated vugs. (Prairie du Chien Group, Oneota Formation)										
			= 32											
Run 1	65													FF=1.29/ft Percent
			E											Recovery=85% RQD=68%, fair
			34		DL4									
			E 35		DE									
			36											
			= 37 = 38											
D	46.5		38											FF=2.1/ft
Run 2	40.3		39											Percent Recovery=78% RQD=38%, poor
			E											1000 boot
ı			<del>-40</del>		I	<del></del>	1	l			l			

Borin	g Numl	er	B-2	Use only as an attachment to Form 4400-1	22.								Page	3 of 3
San	nple									Soil	Prope	erties		
	(in)	ts	set	Soil/Rock Description										
r pe	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	And Geologic Origin For	N N	ပ	B		Standard Penetration	5 t		ty		RQD/ Comments
Number and Type	ngth	» (	pth ]	Each Major Unit	SC	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	00	)Q.
Nn	Le <sub>1</sub>	BIC	De		n n	Grap Log	Well Diagr	PII	Sta Per	ğΰ	Liz	Plastic Index	P 200	RQ Co
			E	DOLOMITE (DL4), light gray (10YR 7/2) and very pale brown (10YR 7/3), sandy, massive, with chert,										
			<del>-</del> 41	dendrites, green (glauconite) clay, and round, oval and										
			E	elongated vugs. (Prairie du Chien Group, Oneota Formation)										
			-42	()			]							
n	26		-43		DL4									EE 1.05/0
Run 3	26		Ē											FF=1.85/ft Percent Recovery=43%
			<del>-</del> 44				ļ							RQD=10% very
			- -45											
			=											
				End of boring at 45.6' bgs in dolomite. Abandoned borehole with bentonite grout and										
				bentonite chips.										

Madison

WI

53713

### Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

02/21/2023

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-227C 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 <sup>1</sup>∕₄ NE Section Township Original Well Owner XE Dane County Department of Waste and Renewables 7 N or Gov't Lot# 36 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 02/21/2023 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): 45.6 (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 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 8 200 lbs dry mix **Bentonite Grout** 8 45.6 100-gallons 2lbs/gal 6. Comments Boring B-227C 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) 02/21/2023 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

			Ro	oute To:	Watershed/W	astewater	Waste 1	_	ement	$\boxtimes$							
					Remediation/	Redevelopment	Other										
																Page	1 of 1
	y/Proje						License/1	Permit/	Monito	ring N	umber		Boring				
					roposed) nief (first, last) a	SCS#: 25222268.00		lling St	arted		Da	te Drilli		B-22		Drill	ing Method
_	ıy Kap	•	i varrie o	r crew cm	ier (insi, iasi) a	ika i iiiii	Date Drilling Started Date Drilling							приссеа			rect Push
On-	site É	nviro	nmen		rices, Inc.			1/11/2023					ID				
WI Ur	nique W	ell No	).	DNR V	Well ID No.	Common Well Name	Final Sta	tic Wat	ter Leve	el		e Elevat		<b>I</b> OI	Во		Diameter
Local	Grid O	 rigin	□ (e	stimated:	Or Bot	ing Location 🖂	<u>.</u>					32.2 F				2.	.3"
State		igiii			$\frac{1}{2}$ , $\frac{1}{2}$ , $\frac{1}{169}$ , $\frac{1}{326}$		La	t	°	<u>'</u>		Local			ſ	1	Feet 🗌 E
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Facilit	y ID				County		County Co	de	Civil T		•	_					
					Dane		13		City	of Ma	dison	1		_			
San	nple												Soil	Prope	rties		
	% (ii)	ıts	eet			lock Description											
r pe	Att	onic	ln Fe			eologic Origin For		\sigma	ွ	   E		rd	le t		ity		ents
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	200	RQD/ Comments
N an	Le	BÍ						D				Sta Pe	≱ိ ပိ	Ľ.	Pla	P 2	<u>% %</u>
			1 -2	SILT (	ML), very dark c rich, with root	grayish brown (10YR s. (Topsoil)	3/2),	ML	1/2. 1/2	1							
			-1	LEAN	CLAY (CL), st	rong brown (7.5YR 5/	6), mostly										
			Ē .		th clay, some fin e, trace roots. (I	e sand, soft, cohesive,	uniform,										
					,			CL									
S1	38		_3									0.75	M				Refusal at 5' bgs due to bedrock.
			-3	CLAV	EV SAND (SC	), strong brown (7.5YI	2 5/6)										Dolomite bedrock at 9' bgs at boring
			T-4	mostly	fine sand with	medium to coarse sand	l and	SC									B-228C.
			_5	some c	lay, fine to coar m, massive, soft	se gravel (mostly dolor . (Till) (Holy Hill Forn	mite), nation,	DOL									
			_3	Horico	on Member)		П										
				grained	d sand and fine t	h yellow (10YR 6/6), to coarse gravel (most)	y Ine										
				dolomi	ite). (Weathered	Dolomite Bedrock)											
				Aband	a, end of boring oned borehole v	at 5 'bgs in dolomite. with bentonite chips.											
						•											
I hereb	y certi	fy that	the info	rmation o	on this form is to	rue and correct to the b	est of my kr	nowledg	ge.			•	•				
Signat	ure		V	0		Firm SC	CS Engine	ers									
		Ch	5	=	Adar		30 Dairy Dri		dison, V	WI 537	18						

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-228 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 <sup>1</sup>∕₄ NE Section Township Range Original Well Owner XE Dane County Department of Waste and Renewables 7 N or Gov't Lot# 36 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 Liner(s) perforated? Yes No X N/A 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. Did sealing material rise to surface? X Yes No Construction Type: N/A Did material settle after 24 hours? X No Yes N/A Drilled Driven (Sandpoint) Dug If yes, was hole retopped? Yes X No N/A X Other (specify): Geoprobe/Direct Push If bentonite chips were used, were they hydrated Formation Type: X Yes 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 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 5 12 lbs dry mix 6. Comments Boring B-228 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

#### SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

			<u>Rc</u>	oute To:	Watershed/\(\) Remediation	Wastewater [n/Redevelopme		Waste I Other	_	ement								
																	Page	1 of 4
	y/Proje							License/I	Permit/	Monito	ring Nu	mber			Numb	er		
					roposed) ief (first, last)	SCS#: 2522	22268.00	Date Dri	lling C	towtod		Do	te Drilli		B-22		Deill	ing Method
	an Ma		ivaine c	i ciew cii	iei (iiisi, iasi)	and filli		Date Dil	illing S	iarieu		Da	te Dilli	ng Coi	npieted			SA 4.25" ID
			plorat	ion Serv	vices				2/27	/2023				2/28/2023				Q Core
WI Ur	nique W	Vell No		DNR V	Well ID No.	Common We	ell Name	Final Sta	tic Wa	ter Leve	el		e Elevat			Во		Diameter
0001	Grid O		☐ (e	etimoted:	D ) or D	oring Location	. 🖂						32.2 F				8.3	3" & 3"
	Ond O	11giii			2,169,326			La	t	°	<u>'</u>		Local		t 🗌 N	J	1	Feet $\square$ E
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Facilit	y ID				County			County Co	de	Civil T		-	_					
<u> </u>	1		1		Dane			13		City	of Ma	dison	1	G '1		.•		<del></del>
San	nple	_												Soil	Prop	erties		_
	t. & l(in)	nts	eet			Rock Descripti												
er ype	h At erec	Con	ln F			eologic Origin			S	ic	I II		ard	nt nt	_	sity		lents
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet		E	ich Major Unit			SC	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
z E	그~	В		DI: 1 4	Irilled to 8.5' b				D	D 1	≱ Q	[A	N G	≥ 0	77	P rl	Ь	₩ Ŋ
		50/<1*	-1 -2 -3 -4 -5 -6 -7 -8			hology from 0'												
S1	1	30/~1	-10 -11	light ol massiv dendrit	ive brown (2.5 e, with trace roes.	Y 5/3), and ye ound to oval vu	llow (2.5) gs, chert,	Y 7/6),										
Run 1	48		12 - 13 - 14 - 14						DL2									FF=0.75/ft Percent Recovery=89% RQD=18.5%, very poor
herel	v certi	fy that	+15	rmation o	on this form is	true and correc	t to the be	est of mv kr	nowled	ge.	<u> </u>			<u> </u>				
Signat	•	- J 111111		2/1	101111 15			S Engine		o-·								
-		Ch	5		Ada	ım Watson	50	0 Dairy Dri		dison, V	WI 537	18						

	g Numb	er	B-2	Use only as an attachment to Form 4400-1	22.								Page	2 of 4
San	nple									Soil	Prop	erties		
	Length Att. & Recovered (in)	nts	eet	Soil/Rock Description					ū					×
ser ype	h At	Con	l In I	And Geologic Origin For Each Major Unit	S	ji.	am	Ð	ard ratio	ure	-	city	_	, nent
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Laci Major Onit	USC	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
<u>~ a</u>	I H			DOLOMITE (DL2), light brownish gray (2.5Y 6/2),				Н_	S H	<u> </u>		H	<u> </u>	<u> </u>
			E -16	light olive brown (2.5Y 5/3), and yellow (2.5Y 7/6), massive, with trace round to oval vugs, chert, and										
Run 2	64		= 10	dendrites.										FF=1.13/ft Percent
			17	(Sinnipee Group, Platteville Formation)										Recovery=100% RQD=30%, poor
			E 18											
			- 10											
			19	Gray (GLEY 1 5/N) and pale brown (2.5Y 7/4),			1							
			E -20	massive to thinnly bedded with shale and or silf, bedding is slighly wavy to nodular, fossilliferous.										
			E 20		DL2	-	1							
Run 3	60		-21				1							FF=0.6/ft Percent
3			-22											Recovery=100% RQD=77%, good
			23											
			<u>-</u> 24				1							
			Ē											
			25											
Run	30		<u>-</u> 26	GANDOTONE (GGO) I I I I (1947) (G)										FF=0.8/ft
4			E	and reddish yellow (7.5YR 6/8), fine to medium sand,										Percent Recovery=50%
			27	SANDSTONE (SS2), brownish yellow (10YR 6/8) and reddish yellow (7.5YR 6/8), fine to medium sand, well sorted, massive, planar, and low-angle cross-bedding, trace iron staining and iron inclusions. (Ancell Group, St. Peter Formation, Tonti Member)										RQD=7%, very poor
			-28	(Ancell Group, St. Peter Formation, Tonti Member)		:::::								
			E											
			-29											
			30											
			<u> </u>											
Run 5	45		<del>-31</del>											FF=1.6ft Percent Recovery=75%
			32											RQD=0%, very poor
			=											
			_33		SS2									
			34	Calcite veins.										
			= 25	Culcite Vellis.										
			<del>-35</del>											
Run	28		36											FF=1.74/ft
6			= -37											Percent Recovery=47% RQD=0%, very
			E 3/											poor
			38											
			- 39 -	Light yellow (10YR 8/8 and 10YR 7/8), slightly more iron inclusions and staining.										
			-40											

Borin	g Numb	er	B-2	Use only as an attachment to Form 4400-1	22.								Page	3 of 4
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
Run 7	31		-41 -42 -43	SANDSTONE (SS2), brownish yellow (10YR 6/8) and reddish yellow (7.5YR 6/8), fine to medium sand, well sorted, massive, planar, and low-angle cross-bedding, trace iron staining and iron inclusions. (Ancell Group, St. Peter Formation, Tonti Member)										FF=3.1/ft Percent Recovery=52% RQD=0%, very poor
Run 8	14		-44 -45 -46 -47 -48	Brownish yellow (10YR 6/8).	SS2									FF=2.6/ft Percent Recovery=23% RQD=0%, very poor
Run 9	41		-50 -51 -52 -53	Reddish yellow (7.5YR 6/8) and yellow (10YR 8/6), more calcite veins.										FF=1.75/ft Percent Recovery=48% RQD=7%, very poor
Run 10	54		54 - 55 - 56 - 57 - 58	SANDSTONE (SS3), white (10YR 8/1) and very pale brown (10YR 8/2), fine to coarse sand, poorly to well sorted, massive to low and high-angle cross-bedding, with calcite veins.  (Ancell Group, St. Peter Formation, Readstown Member)  From 57.5' to 61.25' bgs, light gray (2.5Y 7/1) and gray (2.5Y 5/1), interbedded with green, dark gray, maroon, and brown (7.5YR 3/4) clay and or silt.	SS3									FF=2/ft Percent Recovery=90% RQD=7%, very poor
Run 11	36		-59 -60 -61	DOLOMITE (DL2) Esta cons (2.5V.7(1) and cons										FF=3.53/ft Percent Recovery=92% RQD=28%, poor
Run 12	28		63	DOLOMITE (DL3), light gray (2.5Y 7/1) and gray (2.5Y 6/1), massive, sandy and shaly, with greenish gray (Gley 1 5G6/1) clay, trace round to oval vugs, and chert.  (Prairie du Chien Group, Shakopee Formation)  End of boring at 64.1' bgs in dolomite.	DL3									FF=2.6/ft Percent Recovery=100% RQD=0%, very poor
				Abandoned borehole with bentonite grout and										

Boring	g Numl	er	B-2	Use only as an attachment to Form 4400-1	22.								Page	4 of 4
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
				bentonite chips.										

Green Bay

WI

54311

### Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

02/28/2023

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-228C 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 <sup>1</sup>∕₄ NE Section Township Original Well Owner XE Dane County Department of Waste and Renewables 7 N or Gov't Lot# 36 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 02/28/2023 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): 64.1 (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 25 175 lbs dry mix **Bentonite Grout** 25 64.1 30-gallons 2lbs/gal 6. Comments Boring B-228C 7. Supervision of Work **DNR Use Only** Name of Person or Firm Doing Filling & Sealing Date of Filling & Sealing or Verification License # Date Received Noted By (mm/dd/yyyy) 02/28/2023 Subsurface Exploration Surfaces 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

			Ro	ute To:		astewater	Waste 1	_	ement	$\boxtimes$							
					Remediation/	Redevelopment	Other	Ш									
Facilit	y/Proje	ot Nor					License/	Darmit/	Monitor	ring Nu	ımbar		Boring	Numbe		Page	1 of 1
				No. 3 (Pi	roposed)	SCS#: 25222268.00		CIIIII	MOIIIO	ilig ivi	miner			B-22			
Boring	g Drille	d By: ]			ief (first, last) a			Date Drilling Started Date Drilling Completed									ing Method
Tor On-	ny Kap -site E	ougi Inviro	nment	al Servi	ices, Inc.			1/11/2023 1/11/2023									rect Push ID
	nique W				Well ID No.	Common Well Name	Final Sta		ter Leve	el		e Elevat		ror.	Во		Diameter
Local	Grid O	 rigin	☐ (es	stimated:	) or Bor	ing Location 🖂							Feet M				.3"
	Plane	6			2,169,720	E S/C/N	La	t	<u> </u>	<u>'</u>	"			□ N	ſ	]	Feet 🗌 E
NE		of N	E 1	/4 of Sec		T 7 N, R 10 E	Long		°	<u> </u>		****		□ S			□ W
Facilit	y ID				County Dane		County Co	de	Civil To		•	_					
Sar	nple				Danc		13		City	JI IVIA	dison		Soil	Prope	erties		
Dui	1	-			Soil/R	ock Description								liopt			
0	od (i)	unts	Fee			cologic Origin For						on			_		ıts
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet			ch Major Unit		CS	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	pi ti	Plasticity Index	9	RQD/ Comments
Nun and	Leng	Blov	Dep					S O	Grap Log	Wel Diag	PID	Stan	Moi	Liquid Limit	Plastic Index	P 200	RQI
			_	SILT (	ML), very dark	grayish brown (10YR	3/2),	ML	7/1/								
			<u>-</u> 1		c rich, with root CLAY (CL), b	s. (Topsoil) rown (7.5YR 4/3), mos	stly silt										
			Ē	with cla		ınd, soft, cohesive, uni		CL									
			-2	massiv	c, trace 100ts. (1	Locss)											
S1	53		_3	POOR	LY GRADED (	GRAVEL WITH SAN	D (GP),		600			1.75	M				
			-1 -2 -3 -	dolomi	te) with fine sar	ne to coarse gravel (mo and. (Weathered Dolom	ite		00								
			-4	Bedroc	ck)			GP	000								
			E 5														
S2	12								10/0				M				Refusal at 6' bgs
L			-6	Refusa	l. end of boring	at 6' bgs in dolomite.			200				1,1				due to bedrock.
				Abando	oned borehole v	with bentonite chips.											
		fy that	the info	rmation o	on this form is to	rue and correct to the b	est of my kr	nowledg	ge.								
Signat	ure				Adan		CS Engine 30 Dairy Dri		dison V	WI 537	18						

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) B-229 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 <sup>1</sup>∕₄ NE Section Township Original Well Owner Range XE Dane County Department of Waste and Renewables 7 N or Gov't Lot# 36 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 Liner(s) perforated? Yes No X N/A Original Construction Date (mm/dd/yyyy) Monitoring Well X N/A Screen removed? Yes No 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 X No Did material settle after 24 hours? Yes N/A Drilled Driven (Sandpoint) Dug If yes, was hole retopped? X No N/A X Other (specify): Geoprobe/Direct Push If bentonite chips were used, were they hydrated X Yes Formation Type: with water from a known safe source? ▼ Unconsolidated Formation Bedrock Required Method of Placing Sealing Material Conductor Pipe-Gravity Conductor Pipe-Pumped Total Well Depth From Ground Surface (ft.) Casing Diameter (in.) Screened & Poured Other (Explain): (Bentonite Chips) Lower Drillhole Diameter (in.) Casing Depth (ft.) Sealing Materials **Neat Cement Grout** Concrete 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 **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 6 9 lbs dry mix 6. Comments Boring B-229 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) 01/11/2023 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

#### SOIL BORING LOG INFORMATION

Resources Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater □ Waste Management □

Remediation/Redevelopment	Other												
E. T. (D. : A)	T · /T		M 4				ъ :	NT 1		Page	1 of 1		
Facility/Project Name  Dane County Landfill No. 3 (Proposed)  SCS#: 25222268.00	License/I	ermit/	Monito	oring N	umber		Boring	Number 18   18   18   18   18   18   18   18					
Boring Drilled By: Name of crew chief (first, last) and Firm	Date Dri	Date Drilling Started Date Drilling Completed								Dril	ling Method		
Dylan Martin										Н	SA 4.25" ID		
Subsurface Exploration Services WI Unique Well No.   DNR Well ID No.   Common Well Name	2/28/2023         2/28/2023           Final Static Water Level         Surface Elevation							р	Danahala Diamatan				
wi Onique wen No. Dix wen ib No. Common wen Name	rillai Sta	uc wa	iei Lev	CI		924.2 I		1SL	Borehole Diameter L 8.3"				
Local Grid Origin (estimated: ) or Boring Location	1 -		0	,	"		Grid Lo						
State Plane 377,272 N, 2,169,720 E S/C/N	La						Feet				Feet E		
NE 1/4 of NE 1/4 of Section 36, T 7 N, R 10 E  Facility ID   County	Long County Co		Civil T	own/C		 Village					□ W		
Dane	13				adiso	_							
Sample							Soil	Prope	erties				
⊗ Î Soil/Rock Description													
And Geologic Origin For						d tion	. و		5		nts		
Number and Type and Type and Type and Type Counts and Type Att. & Counts		CS	Graphic Log	Well	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	200	RQD/ Comments		
Nu and		s n	Grap Log	Well		Sta Per	ညီ ပိ	Liquid Limit	Plastic Index	P 2	RQ Co		
Blind drilled to 4.5' bgs. (See log B-229 from 0' to 4.5' for lithology.)  End of boring at 4.5' bgs in dolomite. Abandor bentonite chips.	ned with												
I hereby certify that the information on this form is true and correct to the be	st of my kn	owledg	ge.	1			1				1		
Signature Firm SCS	S Engine	ers											

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.

2830 Dairy Drive, Madison, WI 53718

Adam Watson

Green Bay

WI

54311

### Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

03/01/2023

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) B-229C 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 <sup>1</sup>∕₄ NE Section Township Original Well Owner Range XE Dane County Department of Waste and Renewables 7 N or Gov't Lot# 36 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 02/28/2023 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 X No Did material settle after 24 hours? Yes N/A Drilled Driven (Sandpoint) Dug If yes, was hole retopped? X No N/A X Other (specify): Geoprobe/Direct Push If bentonite chips were used, were they hydrated X Yes Formation Type: with water from a known safe source? X Unconsolidated Formation Bedrock Required Method of Placing Sealing Material Conductor Pipe-Gravity Conductor Pipe-Pumped Total Well Depth From Ground Surface (ft.) Casing Diameter (in.) Screened & Poured Other (Explain): 4.5 (Bentonite Chips) Lower Drillhole Diameter (in.) Casing Depth (ft.) Sealing Materials **Neat Cement Grout** Concrete NA 8.3 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 **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 4.5 12.5 lbs dry mix 6. Comments Boring B-229C 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) 03/01/2023 Subsurface Exploration Services Street or Route Telephone Number Comments 2900 Lowell Drive 920 )544-4226 City State ZIP Code Signature of Person Doing Work Date Signed

#### SOIL BORING LOG INFORMATION

ources Form 4400-122 Rev. 7-98
ute To: Watershed/Wastewater 

Waste Management

			100	Remediation/	Redevelopment	Other	_	ciricii								
Facili	ty/Proje	ct Nan	ne			License/I	Permit/	Monito	ring Nu	ımber		Boring	Numbe		Page	1 of 2
Da	ne Cou	nty La	ındfill l	No. 3 (Proposed)	SCS#: 25222268.00							]	B-23	0		
	_	-	Name o	f crew chief (first, last) ar	nd Firm	Date Dri	lling St	tarted		Dat	e Drilli	ng Con	npleted			ing Method
To	ny Kap	ougi		10 . 1			1/10	/2022				1 /1 0 /0	.022			irect Push
On WILL	-site E	nviro	nment	al Services, Inc.  DNR Well ID No.	Common Well Name	Final Sta		/2023		Surface	Elevat	1/12/2	2023	Po	2"	ID Diameter
WIU	inque v		٠.	DINK WEII ID NO.				eet M				eet M	ISI	Во		.3"
Local	Grid O	rigin	(es	stimated:  or Bor	ing Location 🛛	Local						Grid Loc				<u></u>
State	Plane		378	,701 N, 2,166,493	E S/C/N	La	Lat						□N	[		Feet E
SE		of S	W 1		т 7 N, R 10 E	Long	3		<u>'</u>			$\Box$ S			□ W	
Facili	ty ID			County		County Co	County Code   Civil Town/City/ or Village   City of Madison									
Sa	mple			Dane		13		City	oi ivia	dison		Soil	Prope	erties		
Sa.				C - :1/D	- 1- Description							3011	Порс	lucs		-
	t. & 1	nts	-eet		ock Description						뒫					, o
er	h At	Cou	P.		ologic Origin For		S	jc	l H		ard atio	ure	_	ity		lent
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
a Z	17 %	B	<u> </u>	OT T O T ) 1 1	(1077)	2 (2)	D			I I	St Pe	Σŭ	22	Pl	Ь	<u> </u>
			Ē	SILT (ML), very dark organic rich, with roots	grayısh brown (10YR ) s. (Topsoil)	3/2),	ML	1/1/2 .1/2	1							
			-1	LEAN CLAY (CL), gr	ayish brown (2.5Y 5/2	2), mostly										
			E	silt with clay, some fin massive, trace roots. (I		uniform,										
			-2	massive, trace roots. (1												
S1	38		_3								1.0 1.75	M				Measured depth to water at 3.5'
			F 3								1.75					bgs.
			F <sub>-4</sub>				CL									
			E													
ŀ	+		_5	Light yellowish brown	(10YR 6/4) and very s	soft.										
			E	<i>5</i> ,												
			<del>-</del> 6													
			<u> </u>													
S2	42		E '								0.5	W				
52	12		-8	SILTY SAND (SM), li	ght yellowish brown (	10YR					0.75	''				
			E	6/4), fine sand with me coarse gravel with lens	edium to coarse sand ar es of clay. (Outwash) (	nd fine to Holy Hill										
			<del>-</del> 9	Formation)					· 							
			-10													
			- 10	Yellow (10YR 7/6).												
			E <sub>-11</sub>						1							
			E				SM									
			12													
S3	44		Ė									W				
			13						:							
			<u>-</u> 14													
			F 17													
L			-15					PERM								
	-	fy that	the info	rmation on this form is tr		est of my kr	nowled	ge.								
Signa	ture	1	V =	<i>A</i>		S Engine		1	VII 525	10						
		Ch	1	Adan	n Watson 283	0 Dairy Dri	ve, Ma	aison, '	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

	g Numl	er	B-2	Use only as an attachment to Form 4400-1	22.				_				Page	2 of 2
San	nple									Soil	Prope	rties		
	tt. & d (in)	ınts	Feet	Soil/Rock Description  And Geologic Origin For					g					ŞQ.
ber ype	th Ai	Cor	l In l	Each Major Unit	CS	hic	am	<u>A</u>	lard	ture	<del>و</del>	city		/ nent
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Eden Major Olik	OS O	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			<del></del>				I		<b>5</b> 2 E	2 0		I		
			<u>-</u> 16											
			E											
	22		<del></del> 17		SM					***				
S4	32		E-18		Sivi					W				
			<b>-</b>											
			<del>- 19</del>											
			-20	SILTY SAND WITH GRAVEL (SM), reddish yellow										
			E -21	(7.5YR 6/6), mostly fine sand with medium to coarse sand, some clay, fine to coarse gravel (mostly										
			- 21	dolomite), uniform, massive. (Till) (Holy Hill Formation, Horicon Member)										
			22		SM									
S5	35		-23		Sivi					W				
			E											
			-24											
S6	6		25	POORLY GRADED SAND WITH SILT AND	SP-SM					w				
30 _				GRAVEL (SP-SM), yellow (10YR 7/8) and yellowish brown (10YR 5/4), fine sand and fine to coarse gravel		1.23.419418				**				
				(mostly dolomite). (Weathered Dolomite Bedrock)										
				Refusal, end of boring at 25.5' bgs in dolomite.  Abandoned borehole with bentonite grout and										
				bentonite chips.										

State of Wis., Dept. of Natural Resources SCS No. 25222268.00

### Well / Drillhole / Borehole Filling & Sealing Report

dnr.wi.gov 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-230 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 SW 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 01/12/2023 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): (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 3.5 **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 25.5 5-gallons 2lbs/gal 6. Comments Boring B-230 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) 01/12/2023 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

01/12/2023

#### **SOIL BORING LOG INFORMATION**

Form 4400-122 Watershed/Wastewater Waste Management

			100	Remedia	ation/Re	edevelopment	Other	_ ~	ciricin										
P 313	/ <b>D</b> :	-4 NI					Ιτ : //	D '4/	M '4 -	NT	1		D	N1.		Page	1 of 2		
	ty/Project ne Cour			No. 3 (Proposed)		SCS#: 25222268.00	License/1	Permit/	Monito	ring Ni	ımber			Numb B-23					
Borin	g Drilleo	d By:		f crew chief (first, la			Date Dri	lling St	arted		Da	te Drilli		npleted			ing Method		
To	ıy Kap	ougi	nmant	al Services, Inc.				1/11	/2023				1/11/2	2023			irect Push ID		
WIU	nique W	ell No	).	DNR Well ID No	). C	Common Well Name	Final Sta				Surfac	e Eleva		2023	Во		Diameter		
T 1	0:10				D :							11.4 F				2	.3"		
	Grid Or Plane	ngın		stimated: (1) or ,569 N, 2,166,			La		Local (		cation	Г		Feet 🗌 E					
NE		of N	₩ 1	/4 of Section 36	б, т	7 N, R 10 E		Long ' "											
Facili	ty ID			County Dane			County Co	de	Civil T City		•	_							
Saı	nple			Dane			13			) IVIA			Soil	Prope	erties				
	% (ii)	s	et	s	Soil/Roc	k Description													
r	Att.	ount	n Fe	Ar	nd Geol	ogic Origin For		S		g B		tion	e _		ty		ents		
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet		Each	Major Unit		S C S	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	200	RQD/ Comments		
ğ <u>X</u>	R C	Bl	<u> </u>	CH T (A FL)		:11 (1077)	2 (2)	Þ			I-I	Sta Pe	žΰ	2 2	Pla	Ъ.	<u> </u>		
			E.	organic rich, with	dark gra 1 roots. (	ayish brown (10YR (Topsoil)	3/2),	ML	1/2 1/2 1/2 2/1/2 1/2										
			F 1	LEAN CLAY (C.	L), dark	yellowish brown (1 y, some fine sand, so	0YR												
S1			-2	cohesive, uniform	n, massi	ve, trace roots. (Loe	ss)												
	29		_3										M						
			F 3					CT.											
			-4					CL											
			_5																
			E																
			<del>-</del> 6																
			<u>-</u> 7	CLAYEY SAND 4/4), mostly fine s	Signal (SC), of sand wi	dark yellowish brow th medium to coarse	n (10YR sand,												
S2	33		Ė,	fine to coarse grav	vel (mo	stly dolomite), unifo (Holy Hill Formatio	rm,					1.5	M						
			<del>-</del> 8	Horicon Member	) ` ´														
			<u>-</u> 9																
			-10																
			E	Strong brown (7.5	5YR 5/8	3), with more clay.		SC											
			-11																
			12																
S3	43		<b>F</b> 12									2.0	M/W				Hard drilling from 13' bgs to		
			13														bottom of boring.		
			14																
			E 15																
I here	by certif	fy that	1	rmation on this forn	n is true	and correct to the b	est of my kr	nowled	ge.										
Signa	ture		W =		Adam V		S Engine			xm	10								
		16	1		ruaiii V	7 413011   283	30 Dairy Dri	ve, Ma	aison, \	wi 537	18								

Signature	a L	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

Borin	g Numl	er	B-2	31 Use only as an attachment to Form 4400-1	22.								Page	2 of 2
San	nple									Soil	Prope	erties		
	. & (in)	ıts	eet	Soil/Rock Description										
er /pe	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	And Geologic Origin For	S	.2	<u> </u>		Standard Penetration	ıre		ity		RQD/ Comments
Number and Type	ngth	) wo	epth	Each Major Unit	SC	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	ZD/ mm
<u> </u>	Le Le	Bl	Ď		D	5 7	ß Ö	PI	St. Pe	Σŏ	<u> </u>	F F	Ь	జై ర
			E	SILTY SAND WITH GRAVEL (SM), yellow (2.5Y 7/8), fine to coarse gravel (mostly dolomite) and sand,										
			16	with calcite crystal at top of sample. (Weathered Dolomite Bedrock)										
			17	,										
S4	53		=				:			M				
			-18		SM									
			- 19											
			Ē				:							
	-		20											
S5	12		- -21							M				Refusal at 21' bgs due to bedrock.
				Refusal, end of boring at 21' bgs in dolomite. Abandoned borehole with bentonite grout and										
				bentonite chips.										
	I		1	I	ı	I	1	I	I	1	ı	I		I

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-231 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 NW Section Township Range Original Well Owner XE Dane County Department of Waste and Renewables 7 N or Gov't Lot# 36 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. 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) **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 21 3.75-gallons 2lbs/gal 6. Comments Boring B-231 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

#### SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

			Ro	ute To:	Watershed/W	astewater		_	ement	$\boxtimes$								
					Remediation/	Redevelopment	Other											
															-	Page	1 of 2	
	ty/Proje						License	/Permit	/Monito	ring Nu	ımber		Boring					
					roposed) ief (first, last) a	SCS#: 25222268.00		.:11: C	441		D	4 D.:11:		B-23		D.:11	: M-4 1	
	_	-	Name o	i crew cni	lei (first, last) al	na rirm	Date Di	nnng S	tarted		Dai	te Drilli	ng Con	npietea			ing Method irect Push	
	ny Kap -site F		nmeni	al Servi	ices, Inc.			1/11	/2023				1/11/2	2023			ID	
	nique W				Vell ID No.	Common Well Name		atic Wa	ter Lev	el	Surface	e Eleva			Во		Diameter	
							898.8 Feet MSL					13.2 I				2	.3"	
	Grid On Plane	rigin			$\square$ ) or Bor 2,167,320	ing Location 🖂 E S/C/N	Lat '					Local (						
NE		of N		,65 / 1 <b>v</b> , /4 of Sect		T 7 N, R 10 E	Lor		0	,	,,		Feet	□ N □ S		Feet □ E □ W		
Facili		01 1			County	1 / 1, 10 L	County C		Civil T	own/Ci	ity/ or V	Village						
	•			]	Dane		13		City	of Ma	dison	ı						
Sai	mple						•						Soil	Prope	rties			
	(E)	o o	्र ह		Soil/R	lock Description												
. 0	Att.	tunc	ı Fe		And Ge	eologic Origin For				_		ion	b		>		nts	
nber Typ	gth,	Blow Counts	Depth In Feet		Eac	ch Major Unit		CS	phic	1 gran	PID/FID	ndare	stur	bit ait	Plasticity Index	0	D/ nme	
Number and Type	Length Att. & Recovered (in)	Blo	Dep					S O	Graphic Log	Well Diagram	PID	Standard Penetration	Moisture Content	Liquid Limit	Plastic Index	P 200	RQD/ Comments	
			E			grayish brown (10YR	3/2),		1 1 <sub>N</sub> .1									
			1 -2	organic	rich, with roots	s. (Topsoil)		ML	1/ 71/	:								
S1			<b>E</b> 1	LEAN	CLAW (CL)	11 ' 1 1 (10377	5/4)		71. 7	1								
			-2	mostly:	silt with clay, s	ellowish brown (10YR ome fine sand, soft to	stiff,											
	40		E	cohesiv	e, uniform, mas	ssive, trace roots. (Loe	ess)	CL				1.5	M					
			-3									2.0						
			<u>-</u> 4															
			4 5	SILTY sand wi	SAND (SM), b ith medium to c	brown (7.5YR 5/4), me coarse sand and some of	ostly fine clav, fine											
	+		_5	to coars	se gravel (mostl	y dolomite), uniform, ation, Horicon Membe	massive.											
			E,	(1111)(1	Tory Tim Politic	ation, fromcon wiemoc	1)											
			F-6															
			E_7	01: 1	(2.537.4/2													
S2	43		F	Olive b	orown (2.5Y 4/3	5).						0.75	M					
			E-8															
			_9															
			Ė					SM		:								
	+		10	Vellow	rish red (5YR 4/	/6)												
			E	1 CHOW	isii ica (5 i ic 4/	(0).												
			-11							:								
			E <sub>12</sub>															
S3	36		F 12										w				Measured depth	
			13							:			''				to water at 14.4' bgs.	
			Ė.,															
			-14															
L	<u> </u>		<u>–15</u>															
I here	by certi	fy that	the info	rmation o	n this form is tr	rue and correct to the b	est of my k	nowled	ge.									
Signa	ture		20	01		Firm SC	CS Engin	eers										
		Ch	5		Adan		30 Dairy D		adison,	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

	g Numb	er	B-2	Use only as an attachment to Form 4400-1	22.								Page	2 of 2
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
S4	50		-16 -17 -18 -19	SILTY GRAVEL WITH SAND (GM), yellow (10YR 7/6), fine to coarse gravel (mostly dolomite) and fine to coarse sand, with lenses of clay. (Weathered Dolomite Bedrock)	SM					W				
S5	41		-20 -21 -22 -23 -24 -25		GM					W				
S6	52			POORLY GRADED SAND AND SILT (SP-SM), white (5YR 8/1), mostly fine to coarse sand and trace gravel (mostly dolomite), with stiff, light grayish green clay (5GY 6/2) and yellow (5Y 8/6) gravel. (Weathered Sandstone Bedrock)	SP-SM					W				
S7	17		30 = 31 = 31	Refusal, end of boring at 31.5' bgs in sandstone. Abandoned borehole with bentonite grout and bentonite chips.						W				Refusal at 31.5' bgs due to bedrock.

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

Sun Prairie

WI

53590

### Well / Drillhole / Borehole Filling & Sealing Report

01/11/2023

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-232 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 <sup>1</sup>∕₄ NE Section Township Range Original Well Owner XE Dane County Department of Waste and Renewables 7 N or Gov't Lot# 36 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. 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): 31.5 (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 31.5 6-gallons 2lbs/gal 6. Comments Boring B-232 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

#### SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

			Ro	ute To:		/astewater		Waste N	_	ement	$\boxtimes$							
					Remediation/	Redevelopment		Other										
Tr 3134	/D:-	-4 NT					Ιτ	:/r	) '4/	M	NT.	1		D'	Nt1.		Page	1 of 1
	y/Projec e Com			No. 3 (F	Proposed)	SCS#: 25222268.0		License/F	'ermit/	Monito	ring N	ımber		_	Number Number 1			
					nief (first, last) a			Date Dril	ling St	arted		Da	te Drilli				Drill	ing Method
	ıy Kap		nmeni	al Serv	vices, Inc.				1/11	/2023				1/11/2	2023			rect Push ID
	ique W				Well ID No.	Common Well Nan	ne F	inal Stat				Surfac	e Elevat			Во		Diameter
· ·	0:10												29.0 F				2	.3"
Local State	Grid Or Plane	ngın			☐ ) or Bor , 2,167,404	ring Location 🖂 E S/C/N		Lat o '					Local C		r	,	Foot D E	
NE		of N		/4 of Sec		E	Long	·	0	<u> </u>			reet	□ N □ S		Feet ∐ E ☐ W		
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					Dane		13	3		City	of Ma	dison	l .					
San	nple													Soil	Prope	erties		
	t. & l (in)	nts	eet			Rock Description							ا ا					
er ype	h At erec	Cou	In F			eologic Origin For			S	ic	l gg		ard	ure nt	_	city		nents
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet		Еас	ch Major Unit			SC	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
<u>8 X</u>	N L	B		SILT	(ML) verv dark	grayish brown (10Y	R 3/2)		D ML	71 1/2 X1/2		<del>                                     </del>	S L	20		P II		<u> </u>
			Ė.	∖organi	c rich, with root	s. (Topsoil)			IVIL		-							
			F	4/6), n	nostly silt with c	ark yellowish brown lay, some fine sand,	soft,	R	CL									
			<u>-</u> 2			ssive, trace roots. (Loyellowish red (5YR 4		ootly.		- - (30.41.5	1							
S1	39		E	fine sa	and with mediun	n to coarse sand and	some o	clay,					2.5	M				
			-3	fine to massiv	o coarse gravel (r ve. (Till) (Holy H	nostly dolomite), uni Hill Formation, Horic	torm,		SM		:							
			<u>-</u> 4	Memb	er)													
			E															
	-		<u>-</u> 5	POOR vellow	CLY GRADED S (10YR 7/6) and	SAND AND SILT (S d very dark broqn (10	SP-SM OYR 2	f), /2).										
			<u>_</u> 6	fine to	coarse sand and hered Dolomite	d gravel (mostly dolo	mite).	,,										
S2	34		Ė .	Yellov	v (10YR 8/8).	Dedrock)			SP-SM		:			M				Refusal at 8.5'
32	34		F-7											IVI				bgs due to bedrock.
			E_8															
L			F "	D - £	-1 1 -£1i	-4 0 £11 1-1												
						at 8.5' bgs in dolom with bentonite chips.	ne.											
I herel	y certif	y that	the info	rmation	on this form is tr	rue and correct to the	best o	of my kn	owled	ge.								
Signat	ure		n	0				Engine										
		Ch	1		Adan	n Watson 2	830 D	airy Dri	ve, 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.

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) B-233 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 NW <sup>1</sup>∕₄ NE Section Township Original Well Owner Range XE Dane County Department of Waste and Renewables 7 N or Gov't Lot# 36 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 01/11/2023 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 X No Did material settle after 24 hours? Yes N/A Drilled Driven (Sandpoint) Dug If yes, was hole retopped? X No N/A X Other (specify): Geoprobe/Direct Push If bentonite chips were used, were they hydrated X Yes Formation Type: with water from a known safe source? X Unconsolidated Formation Bedrock Required Method of Placing Sealing Material Conductor Pipe-Gravity Conductor Pipe-Pumped Total Well Depth From Ground Surface (ft.) Casing Diameter (in.) Screened & Poured Other (Explain): (Bentonite Chips) Lower Drillhole Diameter (in.) Casing Depth (ft.) Sealing Materials **Neat Cement Grout** Concrete 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 **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 8.5 15 lbs dry mix 6. Comments Boring B-223 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) 01/11/2023 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