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

MW-121

Route To:

Watershed/Wastewater Waste Management Other Remediation/Redevelopment

SOIL BORING LOG INFORMATION Form 4400-122

Rev. 7-98

Failury Project Name License Permit Moniforing Number Boring Number Dane County Landfill No. 3 (Proposed) SCSer: 252226.00 MW-121 Boring Dillids By: Name of crew check (first, last) and Firm Date Drilling Started Date Drilling Started Date Drilling Started Date Drilling Started Boring Method Socitt Klumb DNR Well ID No. Common Well Name Final Statt Water Leval Narkee Hevation Boring Method W1 Dingue Well Optimized Statt MW-121 900.6 Feet MSL 903.6 Feet MSL Borehole Diameter W1 Dingue Well Statt Plane Statt State Statt Plane State Plane Feet N Feet E State Plane Soil Rock Description A of Section 36, T 7, N R 10 E Long -																Page	1 of 2
Being Dilki by: Name of cow chaf (first, last) and Firm Sort Klumb Sort Klumb Sort Klumb Sort Klumb Sort Klumb Sort Klumb Sort Klumb Sort Klumb Sort Klumb Surface Placetarion IDR Well ID No. IDR Well IDR Well							License/Permit/Monitoring Number Boring Number										
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Soils & Engineering Services, Inc. 1/20/2023 1/20/2023 1/20/2023 WU Unque Well DNo. DNR Well DNo. DNR Well DNo. DNR Well DN to the MW DND. DNR Well DN to the MW DNR Well DNR W	-		•	Name of	crew chief (first, last) ar	nd Firm	Date Dri	lling S	tarted		Da	ite Drilli	ng Con	npleted			-
WI Unique Well No. DNR Well DNo. Common Well Name Innal Static Water Level Suffice Elevation Borchole Dameter MW-121 900.6 Feet MSL 903.6 Feet MSL 8.3" Local Grid Origin C (estimate) T or Boring Location \boxtimes State Plane 377,615 N, 2,168,256 E S/C/N Lat (Figure Elevation S) = 0.03.6 Feet MSL S = 0				ering S	Services Inc			1/20	/2023				1/20/2	2023		HS	A, 4.25" ID
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NW 14 of NE 14 of Section 36, T / N, R 10 E Long Statistic				,						,			Feet				
SampleDane13City of MadisonSampleSoil/Rock DescriptionAnd Geologic Origin ForSoil/Rock DescriptionSoil/Rock Description $\frac{9}{4}$ </td <td></td> <td></td> <td>of N</td> <td>E 1</td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td>Villaga</td> <td></td> <td>⊔ s</td> <td></td> <td></td> <td>L W</td>			of N	E 1				-				Villaga		⊔ s			L W
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SIL (ML), very dark grayish brown (10YR 3/2), organic rich, with roots. (Topsoil)Number of the second		ц. & d (ir	ints	Feet		1						Ę					s
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SIL (ML), very dark grayish brown (10YR 3/2), organic rich, with roots. (Topsoil)Number of the second	umb T Dr	engt	low	epth	Lac	n wajor onit		S	rapl	/ell iagr	DAD .	tand	loist	iqui	lasti idex	200	OD
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$\begin{array}{c c c c c c c c c c c c c c c c c c c $	62	1.5	24	-4	SILTY SAND (SM), st	rong brown (7.5YR 5/6)),			•							
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	82	15	4	E_	some clay, fine to coars	se gravel (mostly dolomi	te),	SM					W				
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$\begin{array}{c ccccccccccccccccccccccccccccccccccc$				ΕľΙ	SILTY SAND (SM), of	live yellow (10YR 6/6, n	nostly										
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	S3	14	8	E-7	fine gravel and green (s	glauconite) clay, massive	2.				:		W				
$S4 \begin{bmatrix} 14 & 5 & 6 \\ 7 & 10 \\ 14 & 5 & 6 \\ 7 & 10 \\ S5 \begin{bmatrix} 14 & 50 & 50/1.5 \\ 14 & 50 & 50/1.5 \\ 14 & 50 & 50/1.5 \\ 13 \\ S6 \begin{bmatrix} 1 & 60/<1^n & 14 \\ 14 \end{bmatrix} $ $Kh = 4.52E-04 \text{ cm/s}$ $M = 4.0 \text{ W}$ $M = 4.52E-04 \text{ cm/s}$ $M = 4.5$				ΕI	(Sandstone Bedrock) (S (Ancell Group, St. Pete	882) er Formation, Tonti Merr	nber)										
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S5 $\begin{bmatrix} 14 & 50 & 50/1.5^{\text{T}} \\ 14 & 50 & 50/1.5^{\text{T}} \\ 12 \end{bmatrix}$ $\begin{bmatrix} 14 & 50 & 50/1.5^{\text{T}} \\ 13 \\ 86 \end{bmatrix}$ $\begin{bmatrix} 14 & 60/<1^{\text{T}} \\ 14 \end{bmatrix}$ $\begin{bmatrix} 14 & 60/<1^{\text{T}} \\ 15 \end{bmatrix}$	S4	14		F				SS2			·	4.0	W				
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S5 $\begin{bmatrix} 14 & 50 & 50/1.5 \\ -12 & & & & & & & & & & & & & & & & & & &$				E I	Kh = 4.52E-04 cm/s												
S5 $\begin{bmatrix} 14 & 50 & 50/1.5 \\ -13 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & $				-11	At 11' to 12.5', SILTY	SAND (SM)					•						
$S6 \begin{bmatrix} 1 \\ 1 \end{bmatrix} 60/<1" \begin{bmatrix} 12 \\ -13 \\ -13 \\ -15 \end{bmatrix} OLOMITE (DL4). (Weathered Dolomite Bedrock) (Prairie du Chien Group, Oneota Formation) (See B-121C log for rock core description) DL4 UL4 UL4 UL4 UL4 UL4 UL4 UL4 UL4 UL4 U$	85	14 5	0 50/1.	£	% g-s-si+-cl = 3-69-28								w				Hard drilling
S6 $\begin{bmatrix} 1 & 60/<1^n \end{bmatrix}$ $\begin{bmatrix} -13 & DOLOMITE (DL4). (Weathered Dolomite Bedrock) (Prairie du Chien Group, Oneota Formation) (See B-121C log for rock core description) DL4 \begin{bmatrix} 2 & -13 & 0 \\ 0 & -13 & 0 \\ 0 & -15 & 0 \end{bmatrix} W$	55	17		E^{-12}							·]						from 12.5' to
S6 $\begin{bmatrix} 1 & 60/<1^n \end{bmatrix}$ $\begin{bmatrix} 1/4 & 0.000 \text{ (See B-121C log for rock core description)} & 0.0000 \text{ (See B-121C log for rock core description)} & 0.0000 \text{ (See B-121C log for rock core description)} & 0.0000 \text{ (See B-121C log for rock core description)} & 0.0000 \text{ (See B-121C log for rock core description)} & 0.0000 \text{ (See B-121C log for rock core description)} & 0.0000 \text{ (See B-121C log for rock core description)} & 0.0000 \text{ (See B-121C log for rock core description)} & 0.0000 \text{ (See B-121C log for rock core description)} & 0.0000 \text{ (See B-121C log for rock core description)} & 0.0000 \text{ (See B-121C log for rock core description)} & 0.00000 \text{ (See B-121C log for rock core description)} & 0.0000000000000000000000000000000000$				E13			rock)		<u> </u>								
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Signature Firm SCS Engineers 2830 Dairy Drive, Madison, WI 53718 Ch Adam Watson

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.

Sample. Soil Book Discription Soil Book Discripion Soil Book	of 2
DOLOMITE (DL4). (Weathered Dolomite Bedrock) (Prairie du Chien Group, Oncota Formation) (See B-121 Clo gfor rock core description) End of boring at 16 bgs in dolomite. Constructed well from 15.3' bgs.	
DOLOMITE (DL4). (Weathered Dolomite Bedrock) (Prairie du Chien Group, Oncota Formation) (See B-121 Clo gfor rock core description) End of boring at 16 bgs in dolomite. Constructed well from 15.3' bgs.	
DOLOMITE (DL4). (Weathered Dolomite Bedrock) (Prairie du Chien Group, Oncota Formation) (See B-121 Clo gfor rock core description) End of boring at 16 bgs in dolomite. Constructed well from 15.3' bgs.	ents
DOLOMITE (DL4). (Weathered Dolomite Bedrock) (Prairie du Chien Group, Oncota Formation) (See B-121 Clo gfor rock core description) End of boring at 16 bgs in dolomite. Constructed well from 15.3' bgs.	
-16 (See B-121C log for rock core description) End of boring at 16 bgs in dolomite. Constructed well from 15.3' bgs.	Ŭ
-16 (See B-121C log for rock core description) End of boring at 16 ⁵ bgs in dolomite. Constructed well from 15.3 ⁵ bgs.	
from 15.3' bgs.	

	Natershed/Wastewater	Waste Managemen X	MONITORING WELL CONSTRUCTION Form 4400-113A Rev. 7-98
Facility/Project Name Dane County Landfill Site No. 3 (Proposed)	Local Grid Location of Well		Well Name MW-121
Facility License, Permit or Monitoring No.	Local Grid Origin (estima	ted: []) or Well Location [Long	Wis. Unique Well No. DNR Well ID No. WD845
Facility ID	St. Plane 377615.26 ft. N.	, <u>2168255.68</u> ft. <u>E.</u> S/C/N	Date Well Installed 01 / _20 / _ 2023
Type of Well Well Code /MW	Section Location of Waste/Sour	<u></u>	<u>m m d d v v v v</u> Well Installed By: Name (first, last) and Firm Scott Klumb
Distance from Waste/ Enf. Stds.	Location of Well Relative to W u Upgradient s	Sidegradient	Soils & Engineering Services, Inc.
	<u>d</u> Downgradient n 905.98 ft. MSL	Not Known 1. Cap and lock?	Yes No
B. Well casing, top elevation	905.97 ft. MSL	2. Protective cover a. Inside diameter	
C. Land surface elevation	903.6 ft. MSL	b. Length: c. Material:	$\begin{array}{c} - 5 \text{ ft.} \\ \text{Steel} & \textbf{V} \\ 0 4 \end{array}$
D. Surface seal, bottom $_{-}$ $_{-}$ $_{-}$ $_{-}$ ft. MS	SL or $\frac{4.5}{}$ ft.	c. Material:	Other
12. USCS classification of soil near screen		d. Additional pro	
		If yes, describ	e:Bentonite X 30
Bedrock X		3. Surface scal:	
13. Sieve analysis performed?			Other
14. Drilling method used: Ro Hollow Stem Au		4. Material Detweet	well casing and protective pipe: Bentonite 2 30
The second se	ther	Filter Sand	Other 🔀
15. Drilling fiuid used: Water 0 2	Air 01	5. Annular space se	
	None 99		nud weight Bentonite-sand slurry 35 nud weight Bentonite slurry 31
16. Drilling additives used?	Yes XNo	d % Benton	ite Bentonite-cement grout 50
		2003	³ volume added for any of the above Tremie 01
Describe N/A	8	f. How installed	$\frac{1}{\text{Tremie pumped}} = 0.2$
17. Source of water (attach analysis, if required N/A	Jired):		Gravity 🔀 08
N/A		6. Bentonite seal:	a. Bentonite granules $\boxed{133}$ 3/8 in. $\boxed{1/2}$ in. Bentonite chips $\boxed{33}$
E. Bentonite seal, top $ 903.6$ ft. MS	SL or $___\0^{ft}$ ft.	0/+ m	Other
F. Fine sand, top899.1 ft. MS	SL or 4.5 ft.	7. Fine sand materi Red Flint #1	al: Manufacturer, product name & mesh size
G. Filter pack, top 899.15 ft. MS	SL or 4.45 ft.	a b. Volume adde	\blacktrianskip \blacktrinskip \blacktrianskip \blacktrianskip \blacktrianskip \blacktri
H. Screen joint, top 893.6 ft. MS			tial: Manufacturer, product name & mesh size
		a b. Volume adde	
I. Well bottom 888.3 ft. MS	Lor 15.3 fl.	9. Well casing:	Flush threaded PVC schedule 4023Flush threaded PVC schedule 8024
J. Filter pack, bottom887.6 ft. MS	$L \text{ or } _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ $		Other 🗍 🚆
K. Borehole, bottom887.6 ft. MS	Lor 16 ft.	10. Screen material: a. Screen type:	Sch. 40 PVC Factory cut 🔀 11
L. Borehole, diameter $-\frac{8.3}{-1}$ in.		×.	Continuous slot 0 1
0.00		b. Manufacturer	Campbell (Monoflex)
M. O.D. well casing -2.38 in.		c. Slot size: d. Slotted lengt	0. <u>01</u> in. . <u>10</u> ft.
N. I.D. well casing 2.07 in.			(below filter pack): None 14 Other X Image: Control of the sector of th
I hereby certify that the information on this		best of my knowledge.	••••••••••••••••••••••••••••••••
Signature	Firm SCS EN	IGINEERS, 2830 Dairy Drive	, Madison, WI 53718

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin Department of Natural Resources

MONITORING WELL DEVELOPMENT Form 4400-113B Rev. 7-98

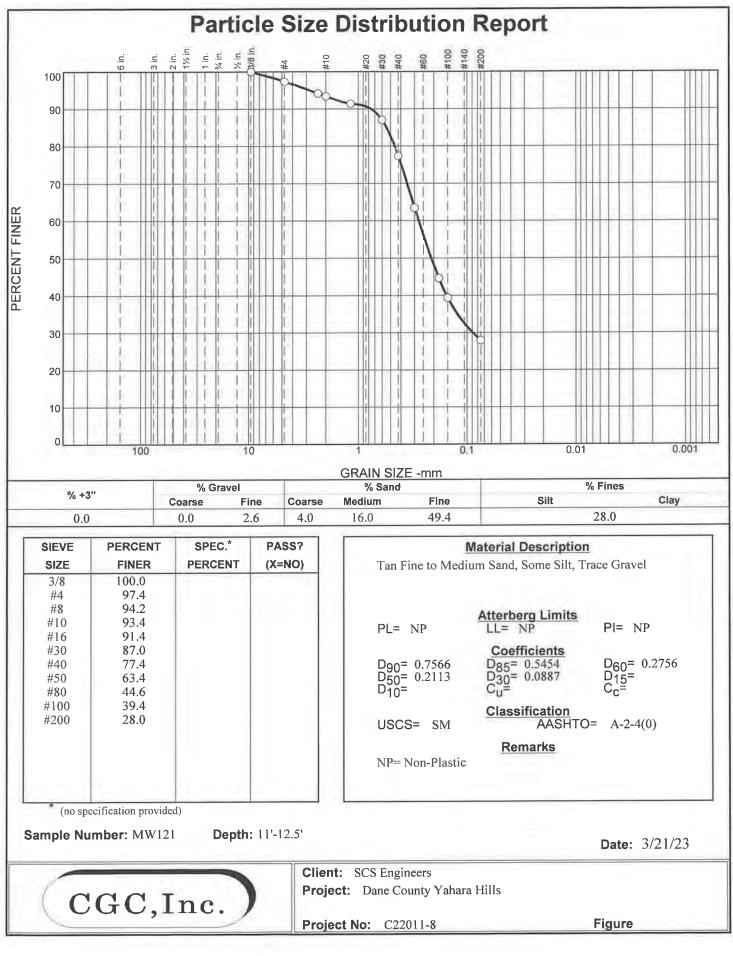
Route to: Watershed/W	and the second second second	Waste Management	\boxtimes	
Facility/Project Name	/Redevelopment County Name	Other	Well Name	
Dane County Landfill No. 3 (Proposed)	County Humo	Dane		MW-121
Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well No. WD84	and the second sec	DNR Well ID Number
surged with block and bailed surged with block and pumped surged with block, bailed and pumped compressed air bailed only pumped only pumped only pumped slowly Other	Yes X No 41 41 42 62 70 20 10 51 50 $\frac{82 \text{ min.}}{17.3 \text{ ft.}}$ 2 07 in. 12 9 gal.	well casing) Date Time 12. Sediment in well bottom 13. Water clarity Fill in if drilling fluid	a3 b. $\frac{01}{m}$ / $\frac{27}{d}$ c12 : 45[1 0 Clear] 10 Turbid X 15 (Describe) light brown color no odor	Turbid 2 5 (Describe)
	<u>0.0</u> gal.	solids		
9. Source of water added NA		15. COD 16. Well developed b		mg/l mg/l
10. Analysis performed on water added?	Yes 🗙 No	First Name: Ethan	I	Last Name: Schaefer Dairy Drive, Madison, WI 53718
17. Additional comments on development:		I .		

- Surged and purged 30 minutes, 19 gallons purged

10 well volume: 129 gallonsWater purged clear after 75 gallons purged with monsoon pump

Name and Address of Facility Contact /Owner/Responsible Party First Last Name: Allison	I hereby certify that the above information is true and correct to the best of my knowledge.
Facility/Firm: Dane County Dpt. of Waste & Renewables	Signature: <u>Chan Schaefer</u>
Street:1919 Alliant Energy Center Way	Print Name: Ethan Schaefer
City/State/Zip: Madison, WI 53713	Firm: SCS ENGINEERS, 2830 Dairy Drive, Madison, WI 53718

NOTE: See instructions for more information including a list of county codes and well type codes.



Checked By: KJS

B-122

State of Wisconsin Department of Natural Resources

Route To:

Watershed/Wastewater Remediation/Redevelopment

Waste Management Other

SOIL BORING LOG INFORMATION Form 4400-122

Rev. 7-98

															Page	1 of 3
		et Name				License/Permit/Monitoring Number Boring Number										
				o. 3 (Proposed)	SCS#: 25222268.00	Dete Dei	11:			D	4. D.:11		B-12		D.:11	
-		-	ame or	crew chief (first, last) ar	id Firm	Date Dri	lling Si	arted		Da	te Drilli	ng Con	npietea			ing Method
Sco	tt Klu s & E	mo nginee	ring S	Services, Inc.			2/20	/2023				2/20/2	2023		п	A 4.25" ID
WI Un	ique W	ell No.		DNR Well ID No.	Common Well Name	Final Sta				Surfac	e Eleva			B	orehole	Diameter
										9	910.0 I				8	.3"
	Grid Oı	rigin		timated:) or Bor		Lat Local Grid Location										
State		c MI		548 N, 2,169,046				。	,			Feet				Feet 🗌 E
NE Facilit		of NI	2 1/	4 of Section 36, County	t 7 n, r 10 e		Long°' " S county Code Civil Town/City/ or Village									□ W
Tuenn	уш			Dane		13	ae			adison	-					
San	nple					Soil Properties										
	· ·		5	Soil/R	ock Description									<u> </u>		
	tt. & d (ii	unts	Fee		ologic Origin For						B					ts
ber	th A vere	Col	h In		h Major Unit		CS	hic	mer	I A	lard trati	ture	P	icity		men
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet				U S O	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
~ ~ ~			_	Blind drilled to 16' bgs												<u>H</u> O
		-		(See MW-122 log for l	ithology from 0' to 15'	bgs).										
		-	- 1													
			_2													
		-														
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I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Marhanh	Firm	SCS Engineers
1 V V Vu	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.

Boring Nu	umb	er	B-1 2	Use only as an attachment to Form 4400-	122.]	Page	2 of 3
Sample										Soil	Pro	pert	ties		
ઝ	(ii)	s	et	Soil/Rock Description											
Att.	red	uno	n Fe	And Geologic Origin For		0	2		d	e		1	<u>s</u>		ants
Number and Type Length Att. &	ove	Blow Counts	Depth In Feet	Each Major Unit	CS	Graphic Log	Well Diagram	PID/FID	ndar etra	Moisture Content	Liquid	11 	Plasneny Index	8	D/
Nur and Ler	Rec	Blo	Dep		U S	Grap Log	Well	PID	Standard Penetration	C No	Liq	Limit	Plasuc Index	P 200	RQD/ Comments
			-16												
	~ 3	9 61/3'	-	SANDSTONE (SS3), light gray (10YR 7/1) and yellow (10YR 7/6) fine to coarse sand with layers of clay, clay is green/glauconitic, trace angular pieces of dolomite. (Ancell Group, St. Peter Formation) (Readstown Member)											
S1 7.	.s	01/5	17	clay, clay is green/glauconitic, trace angular pieces of dolomite (Ancell Group, St. Peter Formation)						M					
			-18	(Readstown Member)											
			-												
S2 7	7	00/1.5	-19							W					
			_		SS3										
			-20												
			-21												
			-22			· · · · · ·									
				SILTY GRAVEL (GM), very pale brown (10YR 8/3),											
			-23	fine to coarse grained, trace sand. (Dolomite Bedrock) (Prairie du Chien Group)		<u> </u>	-								
		100/3"	24												
S3 7	7	100/3	-			<u> </u>				W					
4			-25												
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Boring	g Numł	ber	B-1	Use only as an attachment to Form 4400-1	122.				Page 3 of 3							
Sam										Soil	Prope	erties				
	Length Att. & Recovered (in)	its	eet	Soil/Rock Description												
be r	Attered	Cour	In Fe	And Geologic Origin For	s	ు	в	D	rd ation	t re		ity		ents		
Number and Type	ngth cove	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		
ano	Le Re	Ble	De		Ď	Grap Log	Well Diagr	IId	Sta Pe	ž S	Lii	Pla	P2	C K		
			E			-/-	-									
			-41													
Ц				Light brownish gray (10YR 6/2).	DL5											
S7	7		-42 				-			W						
Ц			-43	End of boring at 43' bgs in dolomite. Abandoned			-									
				boring with bentonite grout and bentonite chips.												

	Dept.	of Natural	Resources	SCS No.	25222268.	00
dnr.wi.gov		1				

1102 Stewart St

City

Madison

Well / Drillhole / Borehole Filling & Sealing Report Page 1 of 2

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.

			T	Route	to DNR	Bureau:	au:											
Verification Only	of Fill ar	nd Seal		D	Drinking N	Water		Watershed/Wa	astewater	Rem	ediation/Redev	velopment						
,	••••			XW	vaste M	lanageme	nt 🗌	Other:										
1. Well Location Inform								/ Owner Info	ormation									
	WI Unique Removed		f H	licap #			Facility Nam											
Dane	Removed	Vven		ļ	B-122			-	No.3 (Propo	osed)								
Latitude / Longitude (see in	structions)		- <u> </u>		Method		-Facility ID (F	FID or PWS)										
		N			G	SPS008	U.L. S. S. (Des	11 /B #141										
				אר	and the second s	SCR002	License/Per	mit/Monitoring ;	#									
¹ / ₄ / ¹ / ₄ NE ¹ / ₄ NE	Ic	vv Section	Towns	-	Range	DTH001	Original Wel	II Ownor										
¹ / ₄ / ¹ / ₄ NE ¹ / ₄ NE or Gov't Lot #	ĭ		TOWIN		227				ment of Was	te and Re	newables							
		36		7 N	10	W	Present We											
Well Street Address	Q 1Q								ment of Was	te and Rei	newables							
7101 US Highway 12 Well City, Village or Town	& 10				ZIP Cod	40		ress of Present										
Madison, WI				537		Je		ant Energy C										
Subdivision Name				Lot #			City of Prese	ZIP Code										
Oubarrision reality				2017			Madison	53713										
Reason for Removal from S	Service	WI Unig	ue Well #	⊥ ≠ of Re	placem	ent Well	4. Pump, I	aterial										
Temporary Borehole					P		Pump and	0 🗙 N/A 0 🗙 N/A										
3. Filled & Sealed Well	l / Drillho	le / Bor	ehole I	nform	hation	Ē	Liner(s) removed?											
Monitoring Well		iginal Con				/уууу)		erforated?		Ĺ	Yes N							
			02/2	0/202	23		Screen re			Ļ		• •						
Water Well	lfe	a Well Co	nstructio	n Repr	ort is av:	ailable.	- Casing le	ft in place?		L	Yes N							
X Borehole / Drillhole		ease attac				,		ng cut off below		Ē	Yes N	o 🗙 N/A						
Construction Type:								ng material rise		=	Yes 🗌 N							
X Drilled	Driven (San	idpoint)	Γ	Dug	3		tore of gran and other and decor	rial settle after 2		=	X Yes N							
Other (specify):								, was hole reto			X Yes N	0 N/A						
Formation Type:								te chips were u r from a known	used, were they a safe source?	hydrated	X Yes 🗌 N	o 🗌 N/A						
X Unconsolidated Forma	ation		Bedroc	k					g Sealing Mate	rial								
Total Well Depth From Gro	und Surfac	ce (ft.) C	Casing Di	amete	r (in.)				vity 🗙 Condu	ctor Pipe-Pu	mped							
43			NA			×	Screened & Poured (Bentonite Chips)											
Lower Drillhole Diameter (ir	n.)		Casing De	epth (ft	t.)		Sealing Mate											
8.3	~		NA	Reason 8	7		Neat Cement Grout											
							- 🗍 Sand-(Cement (Concr	rete) Grout		ite Chips							
Was well annular space gro	uted?		Yes	× No	U	Unknown			Monitoring Well		and a second							
If yes, to what depth (feet)?	2	Depth	to Water	(feet)				nite Chips		entonite - Ce								
43		~7.5						lar Bentonite	В	entonite - Sa	and Slurry	20						
5. Material Used to Fill	l Well / D	rillhole					From (ft.)	To (ft.)	No. Yards, Sa Volume (c	cks Sealant o	or Mix R	atio or Neight						
3/8" Bentonite Chips							Surface	5.7		lbs	1	mix						
Bentonite Grout							5.7	43	24-ga	allons	2lbs	s/gal						
6. Comments								- 										
Boring B-122																		
7. Supervision of Worl	k									DNR U	se Only							
Name of Person or Firm Do		& Sealing	J Licer	nse #	1	Date of Fi	lling & Sealing	g or Verification	n Date Receiv		Noted By							
Soils & Engineering Serv	/ices, Inc				((mm/dd/y	ууу) 02/20/2	2023										
Street or Route						T	elephone Nun	nber	Comments									

608)274-7600

Signature of Person Doing Work

Date Signed

02/20/2023

(

State

WI

ZIP Code

53713

MW-122

Route To:

Watershed/Wastewater Waste Management Remediation/Redevelopment Other

SOIL BORING LOG INFORMATION Form 4400-122

Rev. 7-98

Facilit	y/Projec	t Nam	ne			Page 1 of 2 License/Permit/Monitoring Number												
				lo. 3 (Proposed)	SCS#: 25222268.00							-	MW-					
				f crew chief (first, last) a		Date Dri	lling St	tarted		Da	ate Drilli	ing Cor	npleted		Dril	ling N	fethod	
	tt Klur														HS	A, 4	.25" ID	
Soil	s & Ei	ngine	ering S	Services, Inc.		F 10		/2023	1			1/27/2	2023			D '		
WIUr	ique W	ell No) 863		DNR Well ID No.	Common Well Name MW-122			ter Leve Feet N			ce Eleva 910.0 I		ICI	Bo	orehole	Diam .3"	leter	
Local	WL Grid Or			timated:) or Bor		9	00.0	reet N	ISL		Local (c			
State		igili		548 N, 2,169,046		La	ıt	°	<u> </u>				t 🗌 N	r		Feet	ПБ	
NE		of N		/4 of Section 36,	t 7 n, r 10 e	Lon	g	°	<u> </u>	"		100	\Box s			Feet 🗌 E		
Facilit	y ID			County		County Co				2	Village							
				Dane		13		City	of Ma	disor	1							
San	nple											Soil	Prope	erties				
	n) k	s	et	Soil/R	ock Description													
. e	Att. red (ount	n Fe	And Ge	ologic Origin For						d ion	e		y			nts	
Typ	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Eac	ch Major Unit		CS	phic	l gran	PID/FID	ndar	stur	it it	ticit	0		ume	
Number and Type	Len Rec	Blo	Dep				U S	Graphic Log	Well Diagram		Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200		Comments	
			Ē	ORGANIC SILT (OL)	, very dark grayish bro	own		<u>x¹ 1₁, x¹</u>										
		13		(10YR 3/2), with roots	· · ·		OL	<u>17 · · · · / ·</u>										
S1	17	$\begin{smallmatrix}1&3\\3&3\end{smallmatrix}$		LEAN CLAY (CL), lig 6/4), mostly silt with c	ght yellowish brown (1	0YR					2.0	M						
			-2	cohesive, uniform, ma	ssive, trace roots. (Loes	ss)												
			E				CL											
			-3															
Γ			Ē, I															
S2	18	$22 \\ 2$		SILTY SAND (SM), y	ellowish brown (10YR	c 5/4),				•	0.5	M+					to water at	
		2	E_5	mostly fine sand with some clay, fine to coar	se gravel (mostly dolor	nite),										~4' bg	s.	
			Ē	uniform, massive. (Till Member)	l) (Holy Hill Formation	, Horicon				:								
Г			-6	At 6' to 7.5', SILTY SA	AND (SM)				に目の									
S3	18	12 1	E	% g-s-si-cl = 4-65-17-	14							w						
35	10	1	-7						に目の			vv						
			-8															
_																		
		2.2	E_9	Pale brown (10YR 6/3	b).													
S4	11	$23 \\ 3$	E I				SM					W						
			-10	Kh = 1.10E-04 cm/s														
			Ē, I															
									に目が									
S5	10		E-12									W						
			-13															
Г			È															
S6	18	21	E ⁻¹⁴						:目:	i.		w						
		1	E-15															
Ihereł	v certif	v that	12	rmation on this form is t	rue and correct to the h	est of my k	nowlea	loe										

Signature Maham Jackie Demokalus DC 283	
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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 Numł	ber	MW	V-122 Use only as an attachment to Form 4400-12	22.								Page	2 of 2
Sam	ple									Soil	Prop			
	(ii) &	tts	eet	Soil/Rock Description										
r pe	Atter	Coun	In Fe	And Geologic Origin For	\mathbf{v}	c	в	D	rd ation	tre l		ity		ents
d Ty	ngth cove) wc	pth	Each Major Unit	C	aphi g	ell agra	D/FI	nda	oistu	nit	astici lex	00	SD/
and	Le Re	Ble	De		D			IId	Sta Pe	Σ°	Lii L	Pl ² Inc	P2	C R
	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	SILTY SAND (SM), yellowish brown (10YR 5/4), mostly fine sand with medium to coarse sand and some clay, fine to coarse gravel (mostly dolomite), uniform, massive. (Till) (Holy Hill Formation, Horicon Member) End of boring at 15.3' bgs in till. Constructed well from 15.3' bgs.	S D SM	Graphic			Standard Penetration			Plasticity Index	P 200	RQD/ Comments

ť

	Watershed/Wastewater	Waste Managemen X	MONITORING WELL CONSTRUCTION Form 4400-113A Rev. 7-98
Facility/Project Name Dane County Landfill Site No. 3 (Proposed)	Local Grid Location of Well	Nft. W.	Well Name MW-122
Facility License, Permit or Monitoring No.	Local Grid Origin (estima		Wis. Unique Well No. DNR Well ID No. WD863
Facility ID	St. Plane 377547.66 ft. N,	2169046.46 ft. E. S/C/N	Date Well Installed 1 / 27 / 2023
Type of Well Well Code 11 / MW	Section Location of Waste/Sour	<u></u>	m d v v y Well Installed By: Name (first, last) and Firm Scott Klumb
Distance from Waste/ Enf. Stds.	Location of Well Relative to W u Upgradient s	Sidegradient	Soils & Engineering Services, Inc.
Sourceft. Apply X	<u>d</u> Downgradient n <u>912.41</u> ft. MSL	Not Known 1. Cap and lock?	X Yes No
	912.42 ft. MSL	2. Protective cover	pipe:
And here the odd is in	910.0 ft_MSL	a. Inside diamete b. Length:	$\begin{array}{c} \frac{1}{2} \\ - \frac{5}{2} \\ \text{ft.} \end{array}$
C. Land surface elevation D. Surface seal, bottom 906.0 ft. MS		c. Material:	Steel 🔀 04
D. Surface seal, bottom 500.0 ft. MS 12. USCS classification of soil near scree			Other ∐ ﷺ Detection? ☐ Yes ⊠No
	sw sp	d. Additional pro	10 M M
		3. Surface scal:	Bentonite 🗙 30
Bedrock		5, Surface scal.	Concrete \Box 01
	Yes No tary 50	A Material between	Other
Hollow Stem At			Bentonite \Box 30
0	other	Filter Sand	Other 🔀 🏬
15. Drilling fiuid used: Water 0 2	Air 01	5. Annular space se	al: a. Granular/Chipped Bentonite 🔀 3 3 nud weight Bentonite-sand slurry 3 5
	None $\bigvee 99$		nud weight Bentonite-sand slurry 35 nud weight Bentonite slurry 31
			ite Bentonite-cement grout 50
16. Drilling additives used?	Yes XNo	e. <u>2.07</u> Ft	³ volume added for any of the above
Describe <u>N/A</u>			
17. Source of water (attach analysis, if requ	uired):		$\begin{array}{c c} \text{Tremie pumped} & 0 \\ \text{Gravity} & 0 \\ \end{array}$
N/A		6. Bentonite seal:	a. Bentonite granules 33
E. Bentonite seal, top 910.0 ft. MS	SL or ⁰ ft.	b. ∐/4 in. ⊠	3/8 in. 1/2 in. Bentonite chips $3 2$
·····		c	Other
F. Fine sand, top906.0 ft. MS	SL or 4.0 ft.	7. Fine sand materi	al: Manufacturer, product name & mesh size
G. Filter pack, top905.5 ft. MS	$L or _ _ 4.5 ft.$	ab. Volume added	
	5		ial: Manufacturer, product name & mesh size
H. Screen joint, top $\underline{} \underline{} \underline{}$	SL or $_$ $_$ $_$ ft. $_$	a. b. Volume adde	$\frac{\text{Red Flint #40}}{\text{d} \qquad 2.0 \text{ ft}^3}$
I. Well bottom 894.7 ft. MS	$L \text{ or } _ 15.3 $	9. Well casing:	Flush threaded PVC schedule 40 \times 23
			Flush threaded PVC schedule 80 24
J. Filter pack, bottom 894.7 ft. MS	SL or ft.	10. Screen material:	Other 🔲 🚚
K. Borehole, bottom 894.7 ft. MS	SL or 15.3 ft.	a. Screen type:	Factory cut X 11
			Continuous slot 🔲 01
L. Borehole, diameter $ -$ in.		b. Manufacturer	Other L
M. O.D. well casing $-\frac{2.38}{1000}$ in.		c. Slot size:	0. 01 in.
N. I.D. well casing 2.07 in.		d. Slotted length 11. Backfill material	
 27-12			Other
I hereby certify that the information on this		est of my knowledge.	
Signature MRmhm	Firm SCS EN	GINEERS, 2830 Dairy Drive	, Madison, WI 53718

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin Department of Natural Resources

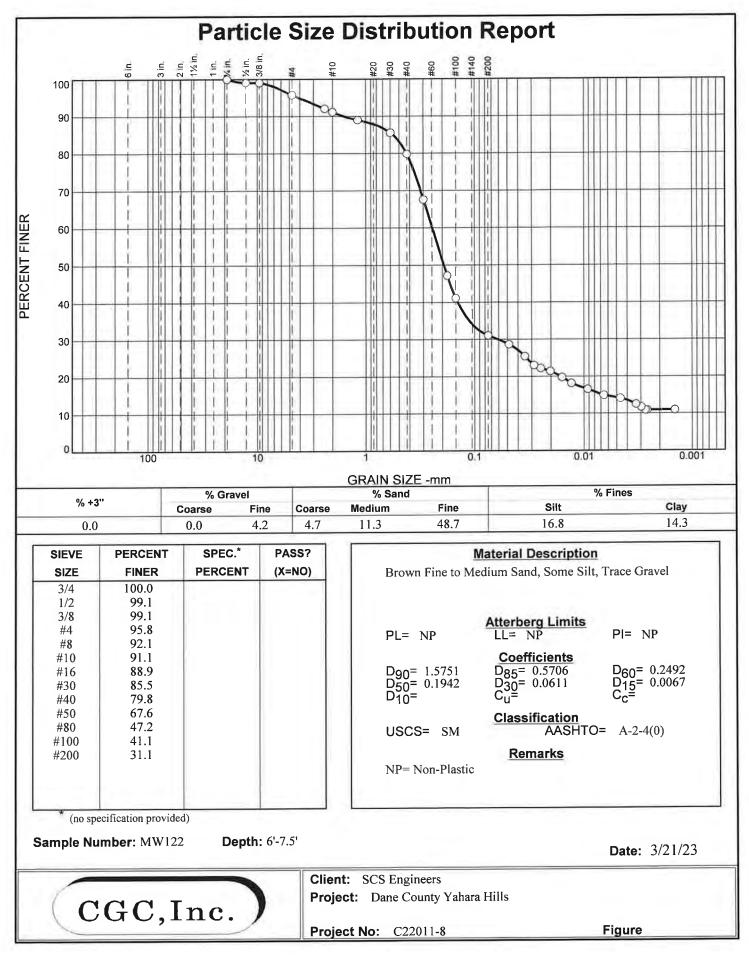
MONITORING WELL DEVELOPMENT Form 4400-113B Rev. 7-98

Dane MW-122 Facility License, Permit or Monitoring Number County Code Wis. Unique Well Number DNR Well ID Number 13	Remediation/Rec	development	Other		
Facility License, Permit or Monitoring Number County Code Wis. Unique Well Number DNR Weil ID Number 13	Facility/Project Name	County Name		Well Name	
13 WD863	Dane County Landfill No. 3 (Proposed)				
2. Well development method surged with bailer and bailed aurged with bailer and pumped aurged with block and bailed aurged with block and bailed bailed only compressed air bailed only pumped slowly Other 3. Time spent developing well 4. Depth of well (from top of well casisng) -18. 1. ft. 5. Inside diameter of well -2. 0. 0. 0. gal. 7. Volume of water added (if any) 9. Source of water added? Yes X No 10. Analysis performed on water added? Yes X No	Facility License, Permit or Monitoring Number			the second se	Well ID Number
10. Analysis performed on water added? Yes X No First Name: Ethan Last Name: Schaefer (If yes, attach results)	 2. Well development method surged with bailer and bailed surged with bailer and pumped surged with block and bailed surged with block and pumped surged with block, bailed and pumped surged with block, bailed and pumped compressed air bailed only pumped only pumped slowly Other 3. Time spent developing well 4. Depth of well (from top of well casisng) 5. Inside diameter of well 6. Volume of water in filter pack and well casing 7. Volume of water removed from well 8. Volume of water added (if any) 	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	(from top of well casing) Date Time 12. Sediment in well bottom 13. Water clarity Fill in if drilling fluid 14. Total suspended solids 15. COD	a1144 b. $\frac{02}{m m} / \frac{02}{d} / \frac{02}{y}$ c1. $\frac{05}{m m}$ $\frac{11}{m}$ $\frac{1}{m m} \frac{0}{m}$ $\frac{1}{m}$ Clear $\frac{1}{m} 10$ Turbid $\boxed{\times} 15$ (Describe) ight brown color no odor s were used and well m	ft1446 ft. 202302 /02 /202 y y y m m d d y y y .m11 : 45 a.m. .m1 inches 1 inches Clear20 Turbid ≥ 25 (Describe) light brown color no odor light brown color light brown color lis at solid waste facility: ng/l mg/l
		es X No	First Name: Ethan	Last	Name: Schaefer

Purged dry 3 times
Total of 7 gallons purged

Name and Address of Facility Contact /Owner/Responsible Party First Last Name: Allison	I hereby certify that the above information is true and correct to the best of my knowledge.
Facility/Firm:Dane County Dpt. of Waste & Renewables	Signature: Chan Schaefer
Street: 1919 Alliant Energy Center Way	Print Name: Ethan Schaefer
City/State/Zip: Madison, WI 53713	Firm: SCS ENGINEERS, 2830 Dairy Drive, Madison, WI 53718

NOTE: See instructions for more information including a list of county codes and well type codes.



Tested By:

MW-123

Route To:

Watershed/Wastewater Waste Management Remediation/Redevelopment Other

SOIL BORING LOG INFORMATION Form 4400-122

Rev. 7-98

															Page	1 of 3	
	y/Proje					License/	Permit	Monito	ring N	umber			Numb				
				lo. 3 (Proposed)	SCS#: 25222268.00	D (D	11. 0	1			· D '11		MW-		D '1		
-		•	Name of	f crew chief (first, last) ar	id Firm	Date Dri	lling S	tarted		Da	te Drilli	ng Con	npleted			ing Method	
Sco	tt Klu	mb ngine	erina (Services, Inc.			1/10	/2023				3/7/2	023			A, 4.25" ID	
	ique W			DNR Well ID No.	Common Well Name	Final Sta			el	Surfac	e Elevat		023	B	& Air Rotary prehole Diameter		
	-	0857			MW-123	1 1141 54					930.4 I		ASL			8" & 6"	
Local	Grid Oi		(es	timated: 🗌) or Bori		1					Local C						
State	State Plane 377,598 N, 2,169,698 E S/C/N						ıt					Feet	- 🗆 N	I		Feet 🗌 E	
NE		of N	E 1.	/4 of Section 36,	t 7 n, r 10 e	Lon	g	°	<u> </u>	"			\Box s			W	
Facilit	y ID			County	1	County Co	ode	Civil T		•	•						
				Dane		13		City	of Ma	idison							
San	nple											Soil	Prope	erties			
	& (ii)	s	et	Soil/Re	ock Description												
e	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	And Ge	ologic Origin For						Standard Penetration	0		~		ats	
lber Typ	gth /	v Cc	h Ir	Eac	h Major Unit		CS	hic	Tan	E	darc	sture	t. id	icit. x	0		
Number and Type	Seco	3lov	Jept		-		Ω	Graphic Log	Well Diagram	PID/FID	tan	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments	
	н	I		SILT (ML), very dark	mavish brown (10VR 3	3/2)	ML	<u>, v, v</u> , v,						HI			
			E I	\with organics and roots	s. (Topsoil)	· /	IVIL										
S1	12	34 3	-1	LEAN CLAY (CL), da	rk yellowish brown (10)YR 4/4)					1.25	M					
		5	E l	and black mottling, mo sand, soft, cohesive, un	iform, massive. (Loess)					1.0						
			\mathbb{E}^2			·	CL										
			-3														
_																	
			E_4	SILTY SAND (SM), st mostly fine sand with r	rong brown (7.5YR 4/6 nedium to coarse sand	5), some											
S2	12	44 5		clay, fine to coarse grav	vel (mostly dolomite), u	iniform,	SM					M					
L			-5	massive. (Till) (Holy H Member)	ill Formation, Horicon		SM										
			E)													
Г			-6	POORLY GRADED S	SAND (SP), yellow (10	OYR 8/8)											
S3	16	33 47 20/2"	E, I	and orange, fine to me friable. (Sandstone Be	dium sand, well sorted	l, massive						M					
	10	20/2"	<u>7</u>	(Ancell Group, St. Pet	er Formation, Tonti M	ember)											
			-8														
_			E														
			-9														
S4		22 34 46										M					
L			-10														
			E				SS2										
Γ			-11														
S5	3	100/3"	Ē									M					
	5		-12														
			-13														
		100 /7 ::	-14														
S6	3	100/3"	E									M					
			-15					::::									

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

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

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	ser	MW	V-123 Use only as an attachment to Form 4400-	122.								Page	2 of 3
San										Soil	Prope	erties		-
	(II) &	S	et	Soil/Rock Description										
_ e	Att. red (ount	n Fe	And Geologic Origin For					dtion	e		<i>∑</i>		ints
Number and Type	igth iove	Blow Counts	Depth In Feet	Each Major Unit	CS	Graphic Log	Well Diagram	PID/FID	ndar etra	Moisture Content	Liquid Limit	Plasticity Index	00	RQD/ Comments
Nu ₁ and	Length Att. & Recovered (in)	Blo	Dep		USC		Well Diagr	PID	Standard Penetration	C No	Liquic Limit	Pla: Ind	P 200	RQ Cor
			16	POORLY GRADED SAND (SP), yellow (10YR 8/8) and orange, fine to medium sand, well sorted, massive, friable. (Sandstone Bedrock) (SS2) (Ancell Group, St. Peter Formation, Tonti Member)										
S7	3	100/3"	-18 -19 -20 -21	Yellowish brown (10YR 5/6).						М				
S8	3	100/2.5'	-22 -23 -24 -25 -26	Yellow (10YR 8/6), with trace white and greenish blue (glauconite) clay.						М				
S9	3	100/2.5'	-27 -28 -29 -30 -31	White (10YR 8/1).	SS2					М				
S10	2	100/1.5	-32 -33 -34 -35 -36 -37	Yellow (10YR 8/8) and orange.						М				
S11	2	100/1.5' 60/<1"								М				

Boring	g Numł	ber	MW	V-123 Use only as an attachment to Form 4400-1	22.								Page	3 of 3
San										Soil	Prope	erties		
	& (in)	s	et	Soil/Rock Description										
. 9	Att. red (ount	1 Fe	And Geologic Origin For					d ion	Ju		y		nts
nber Typ	gth . ovei	Č	th Ir	Each Major Unit	Uυ	phic	gran	FIL	idare	stur tent	it d	ticit	0)/ Ime
Nun and	Leng Reco	Blov	Dep		U S	Graj Log	Wel	PID	Stan Pene	Moi Con	Liqu	Plas Inde	P 2(RQI Con
San Number and Type	Length Att. & <u>d</u> Recovered (in)	Blow Counts	1000 111111111111111111111111111111111	And Geologic Origin For	U S	Graphic		PID/FID	Standard Penetration			Plasticity Index Saint	P 200	RQD/ Comments

ť

	Watershed/Wastewater Remediation/Redevelopment	Waste Managemen	MONITORING V Form 4400-113A	VELL CONSTRUCTION Rev. 7-98
Facility/Project Name Dane County Landfill Site No. 3 (Proposed)	Local Grid Location of Well		E. Well Name MW-123	
Facility License, Permit or Monitoring No	Local Grid Origin (estim	nt	tion D Wis. Unique Well	No. DNR Well ID No.
Facility ID	St. Plane 377597.91 ft. N	1.8.9	0.0000000000000000000000000000000000000	037_0772023
Type of Well Well Code/ MW	Section Location of Waste/So <u>NE</u> 1/4 of <u>NE</u> 1/4 of Sec. Location of Well Relative to X	<u>. 36</u> , T . <u>7</u> N, R	0 E Well Installed By Scott Klumb	<u>m_d_d_v_v_v_</u> Name (first, last) and Firm
Distance from Waste/ Enf. Stds.	u Upgradient s	Sidegradient		neering Services, Inc.
Source ft. Apply A. Protective pipe, top elevation	d Downgradient n 933.01 ft. MSL	Not Known Not Known 1. Cap and	lock?	Yes No
B. Well casing, top elevation	933.02 ft. MSL	157	e cover pipe: diameter:	4 in
C. Land surface elevation	930.4 ft. MSL	b. Lengt		$\frac{1}{2} = \frac{1}{5} \frac{1}{\text{ft.}}$
	SL or _ 35.8 ft.	c. Mater	ial:	Steel 🗙 04
12. USC <u>S</u> classification of soil near scree	\$****/** 1**	d. Addit	ional protection?	_ Other [_] Yes [X] No
	sw 🛛 sp 🔲 🔪 🚺		, describe:	
SM SC ML MH Bedrock X		3, Surface	scal:	Bentonite \times 30 Concrete \square 01
13. Sicve analysis performed?	Yes No			Other W
	otary 🔀 5 0	4. Material	between well casing and pro-	
Hollow Stem A	uger 41 Dther	Filter S	and	Bentonite 30 Other X
				Chipped Bentonite X 33
15. Drilling fiuid used: Water 0 2 Drilling Mud 0 3	Air 🗙 01	b	Lbs/gal mud weight Ben	
	None 99		Lbs/gal mud weight 6 6 Bentonite Bento	
16. Drilling additives used?	Yes XNo	d *	<u>10.9</u> Ft ³ volume added for	
Describe N/A		f. How	installed:	Tremie 01
17. Source of water (attach analysis, if rec	uired):			Tremie pumped 0 2 Gravity X 08
N/A		6. Bentoni		entonite granules 33
930.46 M	SL or 0 ft.	, ъ. 🗔	4 in. 🗙 3/8 in. 🗌 1/2 in.	Bentonite chips $\boxed{\times}$ 3 2
,,,,	🔪 🕅	c		Other
F. Fine sand, top894.6 ft. M	SL or <u>35.8</u> ft.	mm /	d məterial: Manufacturer, j Sidley #15	product name & mesh size
G. Filter pack, top892.0 ft. M	SL or 38.4 ft.	b, Volu	me added 0	<u>.5</u> ft ³
H. Screen joint, top 889.4 ft. M	SL or41 ft.		ck material: Manufacturer, RW Sidley #4	
I. Well bottom 879.1 ft. M	SL or51.3 fl.	b. Volu 9. Well cas	ing: Flush threaded P	
J. Filter pack, bottom $\frac{877.7}{\text{ ft. M}}$	SL or 52.7 ft.		Flush threaded P	Other 🔲 🚛
K. Borehole, bottom877.7 ft. M	SL or 52.7 ft.	10. Screen n a. Scre		Factory cut 🛛 11
L. Borehole, diameter $-\frac{6.0}{-1}$ in.		×		Continuous slot 0 1 Other 1
M. O.D. well casing -2.38 in.		b. Mam c. Slot	size:	<u>II (Monoflex)</u> 0. <u>01</u> in.
N. I.D. well casing 2.07 in.		the second	ed length: material (below filter pack)	
I hereby certify that the information on thi	s form is true and correct to the	best of my knowledge.		Other
Signature	Firm		D.1. M.1.	
V WI a M	I SCS EF	NGINEERS, 2830 Dai	v Drive. Madison. WI 53	/18

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin Department of Natural Resources

MONITORING	WELL DEVELOPMENT
Form 4400-113B	Rev. 7-98

Route to: Watershed/Wast	ewater	Waste Managem	ent 🗙			
Remediation/Re	development	Other				
Facility/Project Name	County Name		Well Name			
Dane County Landfill No. 3 (Proposed)		Dane		MW-	-123	
Facility License, Permit or Monitoring Number	County Code	Wis. Unique Wel	1 Number)857	DNR Well ID	Number	
 Can this well be purged dry? Well development method 	(es 🗌 No	11. Depth to Wa (from top of	ter		fter Development	
surged with block, bailed and pumped compressed air	4 1 6 1 4 2 6 2 7 0 2 0	well casing) Date Time			$\frac{05}{m m} / \frac{30}{d d} / \frac{12}{y}$	<u>2023</u> уууу
bailed only	10 51 50	12. Sediment in w bottom13. Water clarity	$\begin{array}{c} \text{cell} & \underline{2} \\ \text{Clear} & \underline{1} \\ \text{Turbid} & 1 \end{array}$	0 Clea	$\underline{1}, \underline{0} \text{ inches}$ ar $\underline{1}, 20$ bid $\underline{X}, 25$	
3. Time spent developing well	min.		(Describe)		scribe)	
4. Depth of well (from top of well casisng) $-$	<u>54 05 ft.</u>		tan no odor		odor	
5. Inside diameter of well $-\frac{2}{2}$.	<u>07</u> in.					
	2 <u>0</u> gal.	Fill in if drilling f	luids were used a	nd well is at sol	id waste facility:	
	<u>3</u> .0 gal. 0.0 gal.	14. Total suspend solids	led	. <u></u> mg/l	<u>205</u> <u>0</u> mg/l	
9. Source of water added NA		15. COD		<u> </u>	mg/l	
1 <u>e</u>	<u>.</u>	16. Well develope	ed by: Name (first, l	ast) and Firm		
10. Analysis performed on water added?	(es 🗙 No	First Name: Bri		Last Name: Sa		
17. Additional comments on development:		Firm: SCS EN	GINEERS, 2830	Dairy Drive, N	Madison, WI 53718	

- surged and purged for 30 minutes. Last two purges resulted in dry well. - purged dry 3 times, waited 10 minutes to take samples

- sampled @ 12:50pm

Name and Address of Facility Contact /Owner/Responsible Party First Name: Allison Last Name: Rat Isa	I hereby certify that the above information is true and correct to the best of my knowledge.
Facility/Firm:Dane County Dpt. Waste & Renewables	Signature: Billing alla
Street: 1919 Alliant Energy Center Way	Print Name: Bri Salome
City/State/Zip: Madison, WI 53713	Firm: SCS ENGINEERS, 2830 Dairy Drive, Madison, WI 53718

NOTE: See instructions for more information including a list of county codes and well type codes.

MW-123A

State of Wisconsin Department of Natural Resources

Route To:

Watershed/Wastewater Waste Management Remediation/Redevelopment Other

SOIL BORING LOG INFORMATION Form 4400-122

Rev. 7-98

													Page	1 of 5
Facility/Project Na				License/F	Permit/	Monitor	ring N	umber		Boring				
		lo. 3 (Proposed)	SCS#: 25222268.00	D D	1. <u>G</u>	. 1			- D '11'			-1234		
		crew chief (first, last) at		Date Dril	lling St	arted		Da	te Drilli	ng Con	npleted			ing Method A, 4.25" ID
John Wagne	r, Subsu	rface Exploration S t Engineering Serv	Services		2/22	/2023				3/7/2	022			
WI Unique Well N	$\frac{1}{N0}$	DNR Well ID No.	Common Well Name	Final Sta			1	Surfac	e Elevat		023	Bc		Air Rotary Diameter
WD83			MW-123A	1 mai Sta	-	-			30.5 H		ISL			5" & 6"
Local Grid Origin		timated: 🗌) or Bor							Local C				0.2	<u><u>a</u> 0</u>
State Plane		591 N, 2,169,697		La	t	°	<u> </u>	"				I	1	Feet 🗌 E
NE 1/4 of	NE 1/	4 of Section 36,	t 7 n, r 10 e	Long	g	°	<u> </u>	"						□ W
Facility ID		County		County Co		Civil To	own/C	ity/ or V	Village					
		Dane		13		City of	of Ma	ndison						
Sample										Soil	Prope	erties		
E (II) &		Soil/R	ock Description											
tt. 2 d (i	Fee		ologic Origin For						u u					ts
Der Ser Vere Co			h Major Unit		CS	JIC.	am	l A	lard rati	ture		city		nen
Number and Type Length Att. & Recovered (in) Blow Counts	Depth In Feet	Duc	in major enn		S	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	200	RQD/ Comments
		Blind drilled to 35' bgs			D	<u> </u>			PS	20		Р	4	N O
	-1 -2 -3 -4 -5 -6 -7 -8 -9 -10 -11 -12 -13 -14	Subsurface Exploration to 93' bgs on 2/23-24/2 Soils & Engineering So	ervices, Inc. reamed hole ry on 3/7/2023 and set	om 35' e to 6"										

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

Signature	not	Firm	SCS Engineers
	and	Adam Watson	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 Numb	ber	MW	V-123A Use only as an attachment to Form 4400-	122.								Page	2 of 5
	nple			,						Soil	Prop			
	& in)	r o	t l	Soil/Rock Description										
0	stt. sd (j	unt:	Fee	And Geologic Origin For					on					tt
ber Type	th A vere	, Co	h In	Each Major Unit	CS	hic	ram	Ē	lard trati	ture	L E	icity		men
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	, ,	U S O	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
7 0		I							ИЦ				щ	
				Blind drilled to 35' bgs. (See MW-123 log from 0' to 35' bgs for lithology.) Subsurface Exploration Services cored hole from 35'										
			E ⁻¹⁶	Subsurface Exploration Services cored hole from 35' to 93' bgs on 2/23-24/2023.										
			-17	Soils & Engineering Services, Inc. reamed hole to 6"										
				diameter using air rotary on $3/7/2023$ and set well MW-123A to 80.8' bgs.										
			E-18											
			Ē											
			-19											
			-20											
			E-21											
			Ē											
			-22											
			Ē											
			-23											
			-24											
			Ē											
			-25											
			-26											
			-27											
			-28											
			29											
			=30											
			Ē											
			-31											
			-32											
			-33											
			-34											
			-35	SANDSTONE (SS2), yellow (10YR 8/8), brownish										
			-36	yellow (10YR 6/8), and red (2.5YR 4/8), fine to medium sand, well sorted, massive to planar bedded,										
Run	36		E	with iron staining. (Ancell Group, St. Peter Formation,										Drill stopped
1	20		-37	Tonti Member)										progressing at 38' bgs. FF=2.3/ft
					SS2									Percent Recovery=100% RQD=53%, fair
			-38	Red (2.5YR 4/8) with iron inclusions and staining.										RQD=53%, fair
			-39											
Run 2	25		Ę											FF=2/ft Percent Recovery=80%
-			-40											RQD=58%, fair

Boring 1	Numb	er	MW	V-123A Use only as an attachment to Form 4400-	122.								Page	3 of 5
Samp										Soil	Prop	erties		-
↓	Length Att. & Recovered (in)	nts	feet	Soil/Rock Description										
er ype	n At 'erec	Cou	In F	And Geologic Origin For	S	ic			ard	nte		city		nents
Number and Type	Length Att. Recovered (Blow Counts	Depth In Feet	Each Major Unit	SC	Graphic Log	Well	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
	- <u>-</u>	В			D	<u>с</u> 1			D N	20		신고	Р	
			È ,	SANDSTONE (SS2), yellow (10YR 8/8), brownish yellow (10YR 6/8), and red (2.5YR 4/8), fine to										
			-41 E	medium sand, well sorted, massive to planar bedded, with iron staining.										
			-42	(Ancell Group, St. Peter Formation, Tonti Member) Pale brown (2.5Y 7/3) and red (2.5YR 4/8), with										
Run 3	51		- 42	low-angle cross-bedding.										FF=0.94/ft
3	-		-43	From 43' to 45' bgs, planar bedded.										Percent Recovery=94%
			-44											RQD=70%, fair
	0		-45											
Run 4	8			Massive.										FF=1.5/ft Percent Recovery=67%
			-46	Pale brown (2.5Y 7/3), planar bedded, with iron and										RQD=63%, fair
			-47	sulfides (pyrite).	SS2									
			Ē											
Run 5	60		-48											FF=1.2/ft Percent
			-49											Recovery=100% RQD=80%, good
			Ē											
			= 50											
			-51											
			È ca											
			-52 E											
	54		-53	VARIABLE LITHOLOGY (SS3), gray (2.5Y 6/1),										FF=2/ft Percent
6			-54	fine to coarse sand, poorly sorted, massive to wavy planar to cross-bedding, with dark olive brown (2.5Y										Recovery=90% RQD=71%, fair
			- 54	3/3) clay, dolomitic zones. (Ancell Group, St. Peter Formation, Readstown Member)		· · · · · · · · · · · · · · · · · · ·								
			E-55	At 55' to 57' bgs, Layered white and reddish brown										
			-56	sandstone.										
			Ē											
			E-57	At 57' to 58.5' bgs, Shale, dark reddish brown with										
Run	30		-58	chert pieces, laminated.										FF=3.6/ft
7	20		Ē											Percent Recovery=50%
			59 		SS3									RQD=23%, very poor
			-60	Well Cemented Sandstone.	-									
				wen contented balldstone.										
			61	Pale brown (2.5Y 8/2), sandstone with planar to low-angle planar bedding.										
			-62	low ungle plana occurrig.										
	41		-63											
Run 8	41													FF=1.16/ft Percent Recovery=68.75%
			64	Low-angle cross-bedding.										RQD=59%, fair
			-65			::::: 								

Borin	g Numb	er	MW	V-123A Use only as an attachment to Form 4400-12	22.				_				Page	4 of 5
San	nple									Soi	Prop	erties		-
	Length Att. & Recovered (in)	tts	eet	Soil/Rock Description										
r pe	Att. sred	Joun	In Fe	And Geologic Origin For	S	.			rd	e t		ty		ents
Number and Type	ngth cove	Blow Counts	Depth In Feet	Each Major Unit	SC	Graphic Log	II	PID/FID	Standard Penetration	Moisture Content	Liquid	Plasticity Index	P 200	RQD/ Comments
ane 1	Le Re	Ble	De		D	Grap Log	Well		Sts Pe	Ŭ Ĕ	Lic	<u>P</u>	P 2	N S
			F	SANDSTONE (SS), gray (2.5Y 6/1), fine to coarse ☐ grained, poorly sorted, massive to wavy planar to	SS3	_								
			66	Cross-bedding, with dark olive brown (2.5Y 3/3) clay, / Idolomitic zones. (Ancell Group, St. Peter Formation, /		<u> </u>								
Run	21			Readstown Member)	DL3	<u> </u>								FF=3.43/ft
9			67	DOLOMITE (DOL), white (10YR 8/1) and light gray (2.5Y 7/1), cherty and sandy, massive to planar to										Percent Recovery=70%
-			-68	cross-bedded, light brown clay within some fractures. (Prairie du Chien Group, Shakopee Formation,										RQD=0%, very poor
				Willow River Member)										
Run	30		69	SANDSTONE (SS), white (2.5Y 8/1) and light gray (2.5Y 7/1), fine to coarse sand, poorly sorted,		· · · · · · · · · · · · · · · · · · ·								FF=1.5/ft
10			E-70	dolomitic, massive. (Prairie du Chien Group, Shakopee Formation, New Richmond Member)		::::								Percent Recovery=100% RQD=89%, good
-			E	Shakopeer of maton, ivew Renniona Memoer)										KQD-8970, good
			71			· · · · · · · · · · · · · · · · · · ·								
			-72											
			Ē											
Run 11	56		E-73	Kh = 7.96E-06 cm/s										FF=1.7/ft Percent
11			-74											Recovery=93% RQD=63%, fair
			Ę́			· · · · · · · · · · · · · · · · · · ·								
			-75	From approximately 75' to 85.5' bgs, cherty zone,										
			E 76	highly weathered. Chert is intermixed with sandstone, dolomite, and greenish blue (Gley1 7/5G/2)			い目							
			Ę	(glauconite) clay.	DL3									
			-77		DLS	· · · · · · · ·								
D	48		E 											EE 5/0 D
Run 12	48		Ę											FF=5/ft Percent Recovery=80% RQD=25%, very
			- 79											poor
			E-80											
							÷Ε							
			-81											
			E 					··-						
Run 13	32		-83											FF=4.5/ft Percent
15			E 											Recovery=53% RQD=0%, very
			Ē					::] :.]						poor
			E-85											
			-86	DOLOMITE (DOL), gray (2.5Y 5/1), light brownish gray (2.5Y 6/2), and yellow (2.5Y 7/6 and 7/8),				•						
			-	sandy, massive, with round, oval, and elongated vugs,										
			E-87	and dendrites. (Prairie du Chien Group, Oneota Formation)										
Run	57		-88		DL4	-/								FF=1.47/ft
14	57		Ē											Percent Recovery=95%
			E-89			<u>⊢∕</u>								RQD=67%, fair
			E 90			<u> </u>								
	. 1					•	•				•			

Borin	g Numł	ber	MW	V-123A Use only as an attachment to Form 4400	-122.								Page	5 of 5
	nple									Soil	Prop			
	t. & (in)	nts	eet	Soil/Rock Description										
er ype	h Att ered	Cour	In F	And Geologic Origin For	s	ic	E H	Ð	ard	nt e	-	sity		lents
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
Run 15	30		91 92 93	DOLOMITE (DOL), gray (2.5Y 5/1), light brownish gray (2.5Y 6/2), and yellow (2.5Y 7/6 and 7/8), sandy, massive, with round, oval, and elongated vugs, and dendrites. (Prairie du Chien Group, Oneota Formation)	DL4									FF=2.8/ft Percent Recovery=100% RQD=50%, fair
			93	End of boring at 93' bgs in dolomite. Reamed well to 6" diameter using air rotary and constructed well from 80.8' bgs.										

	Watershed/Wastewater Remediation/Redevelopment	Waste Mana	ngemen 🔀	MONITORING WELL CONSTRUCTION Form 4400-113A Rev. 7-98
Facility/Project Name Dane County Landfill Site No. 3 (Proposed)	Local Grid Location of Well	<u></u>	ft. W.	Well Name MW-123A
Facility License, Permit or Monitoring No.		ited: []) or Long	Well Location	Wis. Unique Well No. DNR Well ID No
Facility ID	St. Plane 377590.64 ft. N	2169697	.70 ft. E. S/C/N	Date Well Installed m m d d y y y y
Type of Well Well Code <u>12</u> / PZ	Section Location of Waste/Sour	<u>36</u> , T . 7	<u>N, R.</u> <u>10</u> <u>N, R.</u> <u>10</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u>	Well Installed By: Name (first, last) and Firm Scott Klumb
Distance from Waste/ Enf. Stds.	u Upgradient s	Sidegradient	Gov. Lot Number	Soils & Engineering Services, Inc.
	<u>933.14</u> ft. MSL	Not Known	. Cap and lock?	X Yes No
B. Well casing, top elevation	933.15 ft. MSL		. Protective cover p a. Inside diameter	-
C. Land surface elevation	930.5 ft. MSL		b. Length:	$\begin{array}{c} \overline{5} \\ - \underline{5} \\ - \overline{5} \\ - \underline{5} \\ - \underline$
D. Surface seal, bottom <u>860.6</u> ft. M	SL or _ 69.9 ft.		c. Material:	Steel 🔀 04 Other
12. USC <u>S classification</u> of soil near scree	NEW CARL		d. Additional pro	
			If yes, describ	
SM SC ML MH		- 👹 🔪 `3	. Surfacc scal:	Bentonite \times 30 Concrete 01
13. Sieve analysis performed?	Yes No			
5	otary 🔀 5 0	4	. Material between	well casing and protective pipe:
Hollow Stem A	uger 41		Filter Sand	Bentonite 30 Other X
		5	. Annular space se	
15. Drilling fiuid used: Water 0 2 Drilling Mud 0 3	Air \times 01 None 99			nud weight Bentonite-sand slurry 35
				nud weight Bentonite slurry 31 ite Bentonite-cement grout 50
16. Drilling additives used?	Yes XNo			volume added for any of the above
Describe N/A			f. How installed	
17. Source of water (attach analysis, if req	uired):			$\begin{array}{c c} \text{Tremie pumped} & \times & 0 \\ \text{Gravity} & & 0 \\ \end{array}$
N/A		- 🗱 - e	b. Bentonite seal:	a. Bentonite granules 33
E. Bentonite seal, top $$ 930.5 ft. M	SL or $____^0$ ft.		b. [X]/4 in. [_] c.Pel-plua benta	3/8 in. 1/2 in. Bentonite chips 3 2 onite pellets Other X
F. Fine sand, top860.6 ft. MS	SL or $_{-}$ ft.		Fine sand material RW Sidley #1	al: Manufacturer, product name & mesh size
G. Filter pack, top858.6 ft. M	SL or 71.9 ft.		b. Volume added	
H. Screen joint, top 855.0 ft. M	SL or 75.5 ft.	/`	 Filter pack mater a 	ial: Manufacturer, product name & mesh size RW Sidley #40
			b. Volume added	1.5 ft ³
I. Well bottom $$ $\frac{849.7}{\text{ft. M}}$	SL or 80.8 ft.		. Well casing:	Flush threaded PVC schedule 40×23 Flush threaded PVC schedule 80×24
J. Filter pack, bottom $\frac{837.5}{2}$ ft. M	SL or $_$ $_$ $\stackrel{93}{_}$ ft.			Other
K. Borehole, bottom 837.5 ft. M	SL or93ft.		 Screen material: a. Screen type: 	Factory cut 🔀 11
L. Borehole, diameter $\frac{6.0}{-}$ in.				Continuous slot 0 1 Other 0
M. O.D. well casing -2.38 in.			 b. Manufacturer c. Slot size: d. Slotted length 	Campbell (Monoflex) 001 in. .:5 ft.
N. I.D. well casing 2.07 in.		1	d. Slotted length	(below filter pack): None 🔀 14
I hereby certify that the information on thi	s form is true and correct to the	best of my kno	wledge.	Other Other
Signature MRmfm	Firm		_	
1 manpu	SCS EN	IGINEERS, 2	2830 Dairy Drive,	Madison, WI 53718

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin Department of Natural Resources

MONITORING	WELL DEVELOPMENT
Form 4400-113B	Rev. 7-98

Route to: Watershed/Wastev		Waste Manageme	nt		
Remediation/Rede	velop ment	Other			
Facility/Project Name	County Name		Well Name		
Dane County Landfill No. 3 (Proposed)		Dane			1W-123A
Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well		DNR Wel	1 ID Number
-	13		336		_=
1. Can this well be purged dry? Xe	s 🗌 No	11. Depth to Wate (from top of	x	_	After Development
compressed air2bailed only1pumped only5pumped slowly5Other2	1 2 2 0 0 0 0 1 0	 (Itom top of well casing) Date Time 12. Sediment in we bottom 13. Water clarity 	$b \frac{03}{m m} / \frac{1}{d}$ $c \frac{9}{m} : \frac{10}{d}$ $c \frac{9}{m} : \frac{10}{d}$ $c \frac{3}{m} = \frac{3}{m}$ $Clear = 1$ $Turbid X = 1$	$\frac{6}{d} \frac{2}{y} \frac{2}{y} \frac{2}{y}$ $x a.m.$ $p.m.$ $\frac{0}{p} inches$ $1 0$ 5	$\frac{2023}{y} = \frac{03}{m} \frac{16}{d} \frac{2023}{y} \frac{2023}{y} \frac{16}{y} \frac{2023}{y} \frac{16}{y} \frac{2023}{y} \frac{16}{y} \frac{2023}{y} \frac{16}{y} \frac{1}{y} \frac{16}{y} \frac{1}{y} \frac{1}{z} 1$
3. Time spent developing well	75 min.		(Describe)		(Describe)
4. Depth of well (from top of well casisng) $_$ $_$ $\frac{86}{}$			orange/brown	1	orange/brown no odor
5. Inside diameter of well $-\frac{2}{2} \cdot \frac{0}{2}$	7 in.		2 . 27		
 6. Volume of water in filter pack and well casing10 7. Volume of water removed from well8 	2 gal.	Fill in if drilling fl	uids were used a	nd well is a	t solid waste facility:
8. Volume of water added (if any)0		14. Total suspende solids	ed	mg/l	<u>15400</u> mg/i
9. Source of water added NA		15. COD		mg/l	mg/l
<u>1</u>		16. Well developed	by: Name (first,	last) and Firm	ı
10. Analysis performed on water added? Ye (If yes, attach results)	s 🗙 No	First Name: Bri	INFERS 2830		e: Salome ve, Madison, WI 53718
17. Additional comments on development:					
 - 30 min surge/purge; removed 5 gallons, DTW 77 - Purged dry 3 times, 10 minute recharge in betwee - Total purge volume 3 gallons - Slow recharge - Sample time 1045 - 1 well volume 10.2 gal, 10 well volumes 102 gal 		•	1		
Name and Address of Facility Contact /Owner/Responsible First Last Name: Allison	e Party	I hereby certify to of my knowledg		formation is	s true and correct to the best
Facility/Firm:Dane County Dpt. of Waste & Renew	vables	Signature:	almon alter)	
Street: 1919 Alliant Energy Center Way		Print Name: Bri S	alome		
City/State/Zip: Madison, WI 53713		Firm: SCS E	NGINEERS, 28	30 Dairy Dri [,]	ve, Madison, WI 53718

NOTE: See instructions for more information including a list of county codes and well type codes.

MW-123B

State of Wisconsin Department of Natural Resources

Route To:

Watershed/Wastewater Remediation/Redevelopment

Waste Management Other

SOIL BORING LOG INFORMATION Form 4400-122

Rev. 7-98

															Page	1 of 4
	y/Proje					License/I	Permit/	Monito	ring N	umber		Boring				
				No. 3 (Proposed)	SCS#: 25222268.00								MW-			
		•	Name of	f crew chief (first, last) a	nd Firm	Date Dri	lling St	arted		Da	te Drilli	ing Con	npleted			ing Method
	tt Klu		• •	- · ·			E /1 O	12022				E (1 0 /C				A, 4.25" ID
Soil WILL	IS & E nique W	ngine	ering S	Services, Inc.	Common Well Nome	Einel Ste		/2023		Curfee		5/19/2023 & Air Rotar evation Borehole Diameter				Air Rotary
WIUr	-	ell No 0839	•	DINK Well ID No.	Common Well Name MW-123B	Final Sta	the wa	ter Lev	ei							3" & 6"
Local	Grid Oi		(es	stimated: 🗌) or Boi						5	Local C				10.	5 & 0
State		Igni		,798 N, 2,197,338		La	.t	°	<u>'</u>	"	Local C			r	1	Feet 🗌 E
NE		of N		$\frac{1}{4} \text{ of Section} \qquad 36,$	T 7 N, R 10 E	Long	σ	0	'	"		reet			1	
Facilit		01 11		County	1 / 10, K 10 L	County Co		Civil T	own/C	ity/ or `	Village					
				Dane		13		City	of Ma	dison	0					
San	nple											Soil	Prope	erties		
				Soil/B	ock Description											
	tt. & d (ii	unts	Feel		cologic Origin For						E E					s
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet		0 0		S	ю.	am		Standard Penetration	nt		Plasticity Index		RQD/ Comments
d T b	scov	MO	spth	Eau	ch Major Unit		SC	Graphic Log	Well Diagram	PID/FID	and:	Moisture Content	Liquid Limit	Plastic Index	P 200	RQD/ Comm
an Ŋ	л ч	Bl	<u> </u>				Þ	Grap Log	βÖ	Id	St Pe	Σŭ	EE	Pl In	P	Ŭ K
			Ē	Blind drilled to 66' bgs (See MW-123 log from	n 0' to 40' bgs and MW	-123A										
			-1	log 35' to 93' bgs. for l	ithology)											
			E, I													
			$\begin{bmatrix} -2 \\ \end{bmatrix}$													
			-3													
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			E_4													
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			-5													
			E													
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			-14													
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			-15													

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

Signature	n	Firm	¹ SCS Engineers
	Ch A	Adam Watson	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.

Boring Numb	er	MW	/-123B	Use only as a	an attachment	to Form 4400-1	22.								Page	2 of 4
Sample										Soil Properties						
tt. & d (in)	ints	Feet		Soil/Rock l And Geologi	Description						ų,					s
lber Type yth Ai	Blow Counts	Depth In Feet			ajor Unit		CS	hic		EID I	dard tratic	sture	t t	icity x	0	0/ ment
Number and Type Length Att. & Recovered (in)	Blow	Dept			5		USCS	Graphic Log	Well D:	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
		-16														
		-17														
		-18														
		-19														
		-20														
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		37														
		-37														
		-38														
		-39														
		-														
		-40														

Boring Numb	ber	MW	V-123B Use only as an attachment to Form 440	0-122.								Page	3 of 4
Sample						Soil Properties							
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
Nur and Ler	Blo	$\frac{10}{4}$	Kh = 5.37E-04 cm/s					Sta	Mo	Liq	Plar Ind	P 2	<u>G</u>

Boring Number	MV	V-123B Use	e only as an attach	nent to Form 4400-1	22.								Page	4 of 4
Sample										Soil	Prope		.,	
Number and Type Length Att. & Recovered (in) Blow Counts	eet		oil/Rock Description											
er Pe ered Coun	In Fe	An	d Geologic Origin	For	s	2	в	A	rd ation	nt er		ity		ents
Number and Type Length Att. & Recovered (ii Blow Counts	Depth In Feet		Each Major Unit		s C	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
Bl Re an Nr	<u> </u>				D	Grap Log		Ы	St: Pe	Σŭ	ĒĒ	Pl: In	Р	č <u>K</u>
	E													
	-66	End of boring at 6	6' bgs in sandston	e. Constructed			·····							
		well from 65.8' bg	js.											
												. '		

	Watershed/Wastewater	Waste Managemen X	MONITORING WELL CONSTRUCTION Form 4400-113A Rev. 7-98
Facility/Project Name Dane County Landfill Site No. 3 (Proposed)	Local Grid Location of Well] <u>n. </u>	Well Name MW-123B
Facility License, Permit or Monitoring No	, Local Grid Origin (estima]SftW. ated:) or Well Location □ Long or	Wis. Unique Well No. DNR Well ID No. WD839
Facility ID	St. Plane 377595.27 ft. N		Date Well Installed 19 / 2023
Type of Well Well Code 11 / MW	Section Location of Waste/Sour	<u></u> <u>36</u> , T . <u></u> 7 N, R. <u></u> 10 ⊡ W	<u>m m d d v v v y</u> Well Installed By: Name (first, last) and Firm Scott Klumb
Distance from Waste/ Enf. Stds. Sourceft. Apply X	Location of Well Relative to W u Upgradient s d Downgradient n	Vaste/Source Gov. Lot Number Sidegradient Not Known	Soils & Engineering Services, Inc.
A. Protective pipe, top elevation	<u>933.18 ft. MSL</u>	1. Cap and lock?	Yes No
B. Well casing, top elevation	_932.86 ft. MSL	2. Protective cover a. Inside diameter	
C. Land surface elevation	_ <u>930.0</u> ft. MSL	b. Length:	$- \underline{5} ft.$
D. Surface seal, bottom 879.0 ft. M	ISL or51 ft.	c. Material:	Steel 🔀 04 Other
12. USCS classification of soil near scree		d. Additional pro	
		If yes, describ	
Bedrock X		3. Surface scal:	Bentonite \times 30 Concrete \Box 01
13. Sicve analysis performed?	Yes No	N	Other []
v	otary 🔀 5 0	4. Material between	well casing and protective pipe:
Hollow Stem A	uger 🔀 4 1 Other	Filter Sand	Bentonite 30 Other X
		5. Annular space se	
15. Drilling fiuid used: Water 0 2	Air 🗙 0 1		mud weight Bentonite-sand slurry 35
Drilling Mud 0 3	None 99	c. Lbs/gal 1	nud weight Bentonite slurry 🛄 31
16. Drilling additives used?	Yes XNo		ite
		$f_{\rm f}$ e. <u>10 Pt</u>	10 Internet in the second seco
Describe <u>N/A</u>		1, How instance	Tremie pumped $\square 02$
17. Source of water (attach analysis, if rec	(uired):		Gravity 🔀 0 8
N/A		6. Bentonite seal: b. X/4 in.	a. Bentonite granules 33 3/8 in. $1/2$ in. Bentonite chips 32
E. Bentonite seal, top930.0 ft. M	SL or ft.	b. []/4 m. [c	$3/8 \text{ in.} \ 1/2 \text{ in.} \text{Bentonite chips} \ 3 2$ $Other \ 1 \ 3 2$
F. Fine sand, top879.0 ft. M	SL or <u>51</u> ft.	7. Fine sand materi RW Sidley #	al: Manufacturer, product name & mesh size
G. Filter pack, top877.0 ft. M	SL or 53 ft.	a. <u>It Volume adde</u> b. Volume adde	M
			rial: Manufacturer, product name & mesh size
H. Screen joint, top $2 - \frac{874.5}{10}$ ft. M	SL or $\frac{55.5}{1.5}$ ft.	a b. Volume adde	$\frac{\text{RW Sidley #40}}{\text{d} \qquad 2 \text{ ft}^3}$
I. Well bottom $\frac{864.2}{\text{ft. M}}$	SL or65.8 ft.	9. Well casing:	Flush threaded PVC schedule 40 🔀 23
J. Filter pack, bottom864.0 ft. M	SL or66 ft.	<u></u>	Flush threaded PVC schedule 80 24 Other
K. Borehole, bottom864.0 ft. M	SL or66ft.	10. Screen material: a. Screen type:	Sch. 40 PVC Factory cut 🔀 11
6.0			Continuous slot 0 1
L. Borehole, diameter in.		b. Manufacturer	
M. O.D. well casing $-\frac{2.38}{1000}$ in.		c. Slot size: d. Slotted lengt	0 <u>0</u> 1_ in.
N. I.D. well casing 2.07 in.		ter an	(below filter pack): None X 1 4 Other
I hereby certify that the information on this	s form is true and correct to the	best of my knowledge.	
Signature N	Firm SCS EN	IGINEERS, 2830 Dairy Drive	Madison WI 53718
		Ciriterico, 2000 Dairy Drive	, Maaloon, WE 00710

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin Department of Natural Resources

MONITORING	WELL DEVELOPMENT
Form 4400-113B	Rev. 7-98

Route to: Watershed/Wast	ewater	Waste Manageme	nt 🗙							
Remediation/Re	develop ment	Other								
Facility/Project Name	County Name		Well Name							
Dane County Landfill No. 3 (Proposed)		Dane			/W-123B					
Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well WD		DNR Wel	ll ID Number					
-	13									
1. Can this well be purged dry?	(es 🗌 No	11. Depth to Wate		velopment	After Development					
surged with block and bailed surged with block and pumped surged with block, bailed and pumped compressed air bailed only pumped only pumped slowly Other	41 61 42 62 70 20 10 51 50	 (from top of well casing) Date Time 12. Sediment in we bottom 13. Water clarity 	a. $-\frac{49}{-}$ b. $\frac{05}{m}$ / $-\frac{3}{d}$ c. $-\frac{9}{2}$: $\frac{30}{2}$ cliant clear $-\frac{2}{2}$	$\frac{30 / 2}{d y y y} = \frac{2}{y y}$ $x a.m.$ $p.m.$ $0 inches$ $1 0$ 5						
3. Time spent developing well	<u>140</u> min.		(Describe)		(Describe)					
4. Depth of well (from top of well casisng)	<u>8 3 ft.</u>		tan no odor		clear no odor					
5. Inside diameter of well $\frac{2}{2}$.	<u>07</u> in.									
7. Volume of water removed from well	7 <u>8</u> gal. 38 <u>0</u> gal.	14. Total suspende								
	<u>0 0</u> gal.	solids								
9. Source of water added NA		15. COD			mg/l					
10. Analysis performed on water added?	(es X No	16. Well developed First Name: Bri Firm: SCS ENG		Last Name	ı e: Salome ve, Madison, WI 53718					
17. Additional comments on development:										
 - 30 min surge and purge. Removed 5 gallons, I - quick recharge but well could still be purged dr - water went clear during second purge, continu - 3 purges: 1) 10 gal purge 2) 7 gal purge 3) 16 - 1 well volume = 7.845 gal; 0 well volume = 78. - 10 minutes into surge and purge bailer was dre 	y. ed to purge gal purge 45 well volume		etrieving bailer	- sample	d @ 11:55am.					
Name and Address of Facility Contact /Owner/Responsi First Last Name: Allison	ble Party	I hereby certify of my knowledg		formation i	s true and correct to the best					
Facility/Firm: Dane County Dpt. Waste & Renew	ables	Signature:	And ulter)						
Street:1919 Alliant Energy Center Way		Print Name: Bri S	alome		<u>.</u>					
City/State/Zip: Madison, WI 53713		Firm: SCS E	NGINEERS, 28	30 Dairy Dri	ve, Madison, WI 53718					

NOTE: See instructions for more information including a list of county codes and well type codes.

B-124C

State of Wisconsin Department of Natural Resources

Route To:

Watershed/Wastewater Remediation/Redevelopment Other

Waste Management

SOIL BORING LOG INFORMATION Form 4400-122

Rev. 7-98

															Page	1 of 3	
	y/Projec					License/I	Permit/	Monito	ring Nı	umber		Boring					
				lo. 3 (Proposed)	SCS#: 25222268.00		<u></u>	. 1			- D '11'		<u>B-12</u>		10 11		
-		-	Name of	crew chief (first, last) and	nd Firm	Date Dri	lling St	arted		Da	te Drilli	ng Con	npleted			ing Method	
	tt Klu		oring S	Services, Inc.			2/24	/2023			,	2/28/2	0022		HSA 4.25" ID & HQ Core		
	$\frac{S \propto E}{\text{ique W}}$			DNR Well ID No.	Common Well Name	Final Sta				Surfac	e Elevat		2023	Bo	-	rehole Diameter	
	iique ii		•			1 mar Sta	917.0 Feet MSL							8.3" & 3.8"			
Local	Grid Or	rigin	(est	timated: 🗌) or Bor	ing Location 🛛	1					Local Grid Location				0.5	a 5.6	
State		0		200 N, 2,167,823		La	t	°	<u> </u>	"	Feet 🗌 N					Feet 🗌 E	
NW	1/4	of N	E 1/	4 of Section 36,	t 7 n, r 10 e	Long	g	°	<u> </u>	"						\square W	
Facilit	y ID			County		County Co		Civil T		•	•						
				Dane		13		City of	of Ma	dison							
San	nple											Soil	Prope	erties			
	k n)		+	Soil/R	ock Description												
•	tt. d	unts	Fee		ologic Origin For						u					ts	
yper	th A vere	S	l l l		h Major Unit		S	hic	am	D	lard rati	ture	. ס	city	_	nen	
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet		n nager enne		I S C	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments	
a N	RL	В		Blind drilled to 9.3' bg			D	<u> </u>	⊳ ⊔	Ь	PN	20		L P	Р		
			F	(See MW-124 log for 1	ithology from 0' to 23.5	5' bgs.)											
			-1														
			E														
			E^2														
			F,														
			$\begin{bmatrix} -3 \\ \end{bmatrix}$														
			E-4														
			Ē														
			-5														
			E I														
			-6														
			E														
			-7														
			E l														
			E ⁸														
Г			Ê	DOLOMITE (DL4), ye	ellow (10YR 8/6) and 1	ioht orav			-								
			E_10	(10YR 7/1), massive, s	andy, with round to el	ongated			1								
			Ē	vugs, chert, green clay dendrites. (Prairie du C	(glauconite), aragonite	, and			-								
			-11	Formation)	linen Oloup, Olieota				-								
			E					,	1								
	27		-12				DL4		-								
Run 1	27		Εl						1							FF=2.22/ft Percent	
			-13						+							Recovery=38.5% RQD=21%, very	
			F.						1							poor Drilling fluid is light tan	
			E ⁻¹⁴						-								
			=15						1								

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

Signature MMRnfm Jackie Rennebohm, PG	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 Numb	er	B-1	24C Use only as an attachment to Form 4400-1	22.								Page	2 of 3
	nple									Soil	Prop	erties		
	Ē. &	ts	et	Soil/Rock Description										
. e	Att. red (ount	n Fe	And Geologic Origin For					d tion	9		y		nts
Typ Typ	gth ove	Blow Counts	Depth In Feet	Each Major Unit	SCS	Graphic Log	ll eran	PID/FID	odar	Moisture Content	uid nit	Plasticity Index	8	D/
Number and Type	Length Att. & Recovered (in)	Blo	Dep		N S	Grap Log	Well Diagram	DID	Standard Penetration	Mo. Cor	Liquid Limit	Plastic Index	P 200	RQD/ Comments
			-	DOLOMITE (DL4), yellow (10YR 8/6) and light gray (10YR 7/1), massive, sandy, with round to elongated vugs, chert, green clay (glauconite), aragonite, and dendrites. (Prairie du Chien Group, Oneota		_/								
			-16	vugs, chert, green clay (glauconite), aragonite, and										
			E	dendrites. (Prairie du Chien Group, Oneota Formation)		— <i>—</i>	-							
			E ¹⁷			<i>,</i>								
Run 2	60		E-18			-/	-							FF=1.62/ft Percent
-			E]							Recovery=100% RQD=69%, fair
			-19	From 18.8' to 20.08' bgs, no sand, planar bedded with abundant dendrites.										
			E	abundant dendrites.		<u> </u>	-							
F			E ⁻²⁰											
			-21				-							
			-22				1							
Run	60		E			,								FF=1.2/ft
3			E-23				-							Percent Recovery=100% RQD=65%, fair
			-24											RQD=65%, fair
			E 24				-							
			-25											
			E											
			E ⁻²⁶	Abundant vugs.										
			E_27			-/								
Dum	59.5		E 27		DL4	,								FF 0.(1/0
Run 4	39.5		-28			<u> </u>								FF=0.61/ft Percent Recovery=99%
			E				1							ROD=86%, good
			E-29											Drilling fluid is light tan/light gray
			E_30				-							
			E											
			-31											
			E]							
			= 32			-/	-							
Run 5	56		=33			,								FF=0.86/ft Percent Recovery=93.3%
			Ē			<u> </u>								Recovery=93.3% RQD=75%, fair
			-34				-							
			È											
			-35				-							
			=36				1							
			Ē			<u> </u>								
			-37			\square								
Run	57		E 20											FF=1.05/ft Percent
6			-38				1							Recovery=95% RQD=38%, poor
			E_39			⊢∕_								
			E			$\vdash -$								
I			-40				1							

Boring Number B-124C Use only as an attachment to Form 4400-122. Sample Image: Construct on the sector of the sect	perties	<u>3 of 3</u>
umber dd Type ength Att. & ength Att. & ength Att. & ength Att. & ength Att. & epth In Feet ow Counts epth In Feet yrange epth In Feet indition ength Att. & ow Counts epth In Feet indition ength Att. & ow Counts epth In Feet indition ength Att. & indition epth In Feet	2	
umber nd Type nd Type nd Type nd Type ength Att. ength Att. ength Att. randard ength In Fig. lingram ength In Fig. lingram ength In Fig.	5	
Each Wajor Unit Each Wajor Unit Each Wajor Unit C Each Major Unit D/Fil		RQD/ Comments
	Plasticity Index P 200	D/
Trico New Stern St	Pla Ind P 2	Co RO
DOLOMITE (DL4), yellow (10YR 8/6) and light gray		
Run 14 (10YR 7/1), massive, sandy, with round to elongated vugs, chert, green clay (glauconite), aragonite, and		FF=5.12/ft
Run 14 41 Vugs, chert, green clay (glauconite), aragonite, and bL4 7 7 dendrites. (Prairie du Chien Group, Oneota		Percent Recovery=63.6%
End of boring at 42' bgs in dolomite.		RQD=0%, very poor End of drill bit broke at
Abandoned borehole with bentonite grout and bentonite chips.		42' while drilling.

	Dept.	of Natural	Resources	SCS No.	25222268.	00
dnr.wi.gov		1				

Well / Drillhole / Borehole Filling & Sealing Report Page 1 of 2

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 t	o DNR Bureau:					
Verification Only of Fil	l and Seal	D	rinking Water		Watershed/W	Vastewater	Remedia	ation/Redevelopment
		XW	aste Managemer	nt 🗌	Other:			
1. Well Location Informatio	n	1012132		2. Facility	/ Owner Inf	formation		
County WI Un	ique Well # of	Hicap #		Facility Nam				15
Dane	ved Well	В	-124C			I No.3 (Proposed)	
Latitude / Longitude (see instructi	ons) Forma		Method Code	Facility ID (F	ID or PWS)			
		DD	GPS008					
		DDM	SCR002	License/Perr	nit/Monitoring]#		
^{1/4} / ^{1/4} NW ^{1/4} NE	Section To	wnship	Range 🗙 E	Original Well				
or Gov't Lot #	36	7 N	10 🗌 w			tment of Waste a	nd Renev	vables
Well Street Address				Present Well				
7101 US Highway 12 & 18						tment of Waste a	na Renev	
Well City, Village or Town			ZIP Code		ess of Preser			
Madison, WI		537	18	City of Prese		Center Way	State	ZIP Code
Subdivision Name		Lot #		Madison	int Owner			53713
					iner Scree	en, Casing & Seal	a	
Reason for Removal from Service	vvi Unique vve	ell # of Re	placement Well		piping remov			es No X N/A
Temporary Borehole 3. Filled & Sealed Well / Dri	Ilbolo / Porobol	linform	otion	Liner(s) re				/es No XN/A
	Original Construct			Liner(s) pe	erforated?		Πr	es No XN/A
Monitoring Well		2/28/202		Screen re	moved?		Y	'es 🗌 No 🗙 N/A
Water Well				Casing lef	t in place?		Y	′es 🗌 No 🗙 N/A
X Borehole / Drillhole	If a Well Construct please attach.	tion Repo	nt is available,	Was casir	g cut off belo	w surface?	ΠY	es No X N/A
Construction Type:				Did sealin	g material rise	e to surface?	XY	'es 🗌 No 🗌 N/A
X Drilled Driven	(Sandpoint)	Dug	l.	Did mater	ial settle after	24 hours?	XY	/es 🗌 No 🗌 N/A
Other (specify):					was hole ret		XY	es No N/A
Formation Type:						used, were they hydr n safe source?	rated 🗙 Y	es No N/A
X Unconsolidated Formation	× Bed	rock			COLUMN OF COLUMN OF	ng Sealing Material		
Total Well Depth From Ground Su		Diameter	(in)		ctor Pipe-Gra		Pipe-Pumpe	ed
42	NA	Diameter	()	Screen	ed & Poured			
42 Lower Drillhole Diameter (in.)		Depth (ft.	<u>۱</u>	Sealing Mate	nite Chips)			
		Depth (it.)		ement Grout		Bentonite	Creat
8.3 to 3.8	NA				Cement (Cond		Bentonite (
Was well annular space grouted?	Yes	X No	Unknown			Monitoring Well Bore		
If yes, to what depth (feet)?	Depth to Wa	ter (feet)		Benton	ite Chips	Bentor	nite - Cemer	nt Grout
NA	~13.88			Granul	ar Bentonite	Bentor	nite - Sand S	Slurry
5. Material Used to Fill Well	/ Drillhole			From (ft.)	To (ft.)	No. Yards, Sacks S Volume (circle		Mix Ratio or Mud Weight
3/8" Bentonite Chips				Surface	3	75 lbs		dry mix
Bentonite Grout				3	42	36-gallon	s	2lbs/gal
					α.			
6. Comments								
Daring D 1910 Attempted	monitoring wall	inatallati	<u></u>					

Boring B-124C. Attempted monitoring well installation.

7. Supervision of Work						DN	R Use Only		
Name of Person or Firm Doing Filling & Sealing	Licens	License # Date of Filling & Sealing or Verification D					Noted By		
Soils & Engineering Services, Inc		(mm/dd/yyyy) 02/28/2023							
Street or Route				Telephone Number		Comments			
1102 Stewart St		(608)274-7600							
City	State	ZIP Code	Signature of Person Doing V			/ork	Date Signed		
Madison	WI	537	713	John Rom	han	-	02/28/2023		
· · · · · · · · · · · · · · · · · · ·									

MW-124

Route To:

Watershed/Wastewater Remediation/Redevelopment Other

Waste Management

SOIL BORING LOG INFORMATION Form 4400-122

Rev. 7-98

															Page	1 of 2		
	y/Projec			lo. 3 (Proposed)	SCS#: 25222268.00		License/Permit/Monitoring Number MW-124											
				crew chief (first, last) a		Date Dri	lling S	tarted		Da	te Drilli				Drill	ing Method		
-	tt Klu	•										1		HSA, 4.25" II				
Soil	s & E	ngine	ering S	Services, Inc.	-			/2023	-			2/2/2	023					
WI Ur	ique W			DNR Well ID No.	Common Well Name	Final Sta						Bo	Borehole Diameter 8.3"					
Local		0855 Tioin	□ (es	timated: 🗌) or Bor	MW-124		917.2 Fee								8.	.5		
State		igin		200 N, 2,167,823		La	t	°	<u>'</u>		Looure			J	1	Feet 🗌 E		
NW	1/4	of N		4 of Section 36,	t 7 n, r 10 e	Long	g	°	<u>'</u>			1000			-			
Facilit	y ID			County		County Co	de	Civil T		•	•							
	1			Dane		13		City	of Ma	dison	1	<u> </u>						
San	nple											Soil	Prope	erties				
	Length Att. & Recovered (in)	nts	eet		ock Description													
/pe	n Ati ered	Cour	InF		ologic Origin For		s	.c	9		ation	are		ity		ients		
Number and Type	Length Att. & Recovered (in	Blow Counts	Depth In Feet	Eac	h Major Unit		S C	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments		
an <u>Z</u>	L. R.	BI	<u> </u>		· 1 1 (10XD	2/0	Þ	<u> </u>	βã	Id	St Pe	ΣŬ	EE	P I	Ъ	<u> </u>		
			E	SILT (ML), very dark with roots. (Topsoil)	grayish brown (10YR	3/6),	ML											
S1	16	25 33	-1	LEAN CLAY (CL), ye	ellowish brown (10YR	5/4),		F			2.5	M						
			$\begin{bmatrix} -2 \end{bmatrix}$	mostly silt with clay, s uniform, massive. (Loo	ome fine sand, soft, co	hesive,					3.25							
			\mathbb{F}^2	uniform, massive. (Loo			CL											
			E_3															
Г			E I															
S2	14	22	-4	CLAYEY SAND (SC)	, dark yellowish brow	n (10YR						M						
52	17	2	E_5	3/6), fine sand, with tr (Holy Hill Formation,	ace sub-rounded grave Horicon Member)	el. (Till)	SC					111						
				(Holy Hill Formation,														
Г			-6	SILTY SAND WITH	CDAVEL (SM) vellov	v (2.5V		- 										
S3	13	58 42/3		7/6) and gray (2.5Y 6/	1), fine to coarse sand	, with fine						M						
55	15		<u>-7</u>	to coarse grained angu (Weathered Dolomite]	lar gravel (dolomite). Bedrock)							M						
L			-8	Ϋ́Υ.	,													
_			E															
		60/1"	-9				SM											
S4	3	00/1	E I				5141					M						
			[-10]															
_			-11															
		(0/1#		At 11' to 12.5', SILTY % g-s-si-cl = 12-62-26	SAND (SM)													
S5	2	60/1"	-12						P.B.	.]		M						
L			È, I					<u>. 1. 1. 1. 1</u> .										
_			-13	Poor recovery, see B-1	24C log.					.]								
			-14															
S 6	2	60/1"	Ē							.]		M						
			-15															
I hereb	by certif	y that	the info	rmation on this form is t	rue and correct to the	best of my k	nowle	dge.										

Signature	not	Fi	^m SCS Engineers
	and	Adam Watson	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.

Sumplex Sold Properties $\frac{3}{2}$ $\frac{3}$	Borin	g Num	ber	MW	V-124 Use only as an attachment to Form 4400-1	22.								Page	2 of 2
$\frac{1}{400} \frac{1}{100} \frac{1}$											Soil	Prope			
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	nber Type	gth Att. & overed (in)	v Counts	th In Feet	And Geologic Origin For	U	phic	l gram	/FID	idard etration	sture tent	it	ticity x	0)/ iments
$S7 \begin{bmatrix} 2 & 60 < 1^{n} & 10^{n} \\ -17 & 18 \\ -18 & -19 \\ -20 \\ -21 \\ -22 \\ -23 $	Nun and	Leng Reco	Blov	Dep		S	Gra _l Log	Wel Diag	PID,	Stan Pene	Moi Con	Liqu	Plas Inde	P 20	RQI Con
[1] 60/<1" = 23 End of boring at 23.5' bgs in dolomite. Constructed well from 22.3' bgs. M M	S7	2	60/<1"	-17 -18 -19 -20 -21	log.						M/W				
	S8	1	60/<1"	Ē	End of boring at 23.5' bgs in dolomite. Constructed well from 22.3' bgs.						М				

	Vatershed/Wastewater	Waste Managemen X	MONITORING WELL CONSTRUCTION Form 4400-113A Rev. 7-98
Facility/Project Name Dane County Landfill Site No. 3 (Proposed)	Local Grid Location of Well	Nft. W	Well Name MW-124
Facility License, Permit or Monitoring No.		ted:) or Well Location ong	Wis. Unique Well No. DNR Well ID No.
Facility ID	St. Plane 377199.84 ft. N,	2167822.80 ft. E. S/C/	
Type of Well Well Code 11 / MW	Section Location of Waste/Sour	<u></u>	E Well Installed By: Name (first, last) and Firm Scott Klumb
Distance from Waste/ Enf. Stds. Sourceft. Apply	Location of Well Relative to W u Upgradient s d Downgradient n	aste/Source Gov. Lot Number Sidegradient Not Known	Soils & Engineering Services, Inc.
A. Protective pipe, top elevation	919.73 ft. MSL	1. Cap and lock?	Yes No
B. Well casing, top elevation	919.77 ft. MSL	2. Protective cove a. Inside diame	
C. Land surface elevation	917.2 ft. MSL	b. Length: c. Material:	$- \underbrace{-5}_{\text{Steel}} \text{ft.}$
D. Surface seal, bottom $_$ $_$ $\frac{910.2}{1}$ ft. MS	SL or $_{}^{7}$ ft.		Other
		d. Additional j If yes, desc	50 - 24C
Bedrock X		3. Surface scal:	$\begin{array}{c} \text{Sensitive} & \text{Signature} \\ \text{Concrete} & \text{O} \\ 1 \end{array}$
13. Sieve analysis performed?	Yes No	A Matarial hatm	Other
14. Drilling method used: Rot Hollow Stem Au			Bentonite 30
1999 A	ther	Filter Sand	Other 🔀 🏬
15. Drilling fiuid used: Water 0 2	Air 🗌 01	5. Annular space	seal: a. Granular/Chipped Bentonite 🔀 3 3 al mud weight Bentonite-sand slurry 3 5
	None 🔀 99	cLbs/ga	al mud weight Bentonite slurry 31
16. Drilling additives used?	Yes 🗙 No		tonite Bentonite-cement grout 50 Ft ³ volume added for any of the above
Describe_N/A		f. How install	Ft ³ volume added for any of the above ^{2,5016 bags} Tremie 01
17. Source of water (attach analysis, if requ	uired):	1ft^3/bag bento 0.5ft^3/sand ba	
N/A		6. Bentonite seal	
917.20.100	Lor ⁰ ft.,	b/4 in.	\times 3/8 in. 1/2 in. Bentonite chips \times 3 2
E. Bentonite seal, top 917.2 ft. MS		c	Other
F. Fine sand, top 20.2 ft. MS	L or $____^{T}$ ft.	RW Sidley	#7
G. Filter pack, top908.2 ft. MS	L or9 ft.	b. Volume ad	ded ft ³
H. Screen joint, top906.2 ft. MS	L or 11 ft.	- [] / a	terial: Manufacturer, product name & mesh size RW Sidley #5 ded 2.0 ft ³
I. Well bottom895.9 ft. MS	L or	b. Volume ad 9. Well casing:	Flush threaded PVC schedule 40 2 3 Flush threaded PVC schedule 80 2 2 4
J. Filter pack, bottom 893.7 ft. MS	L or23.5 ft.		Other 🗍 🛄
K. Borchole, bottom 893.7 ft. MS	L or23.5ft.	10. Screen materi. a. Screen typ	E: Factory cut 🔀 11
L. Borehole, diameter $-\frac{8.3}{-1}$ in.		×	Continuous slot 0 1 Other 0
M. O.D. well casing -2.38 in.		b. Manufactur c. Slot size: d. Slotted len	0. <u>01</u> in.
N. I.D. well casing 2.07 in.		ter and the second second second second	ial (below filter pack): None 🛛 1 4 Other 🗌 💓
I hereby certify that the information on this	form is true and correct to the b	best of my knowledge.	
Signature Make	Firm SCS EN	GINEERS, 2830 Dairy Driv	ve. Madison. WI 53718

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

7

State of Wisconsin Department of Natural Resources

MONITORING	WELL	DEVELOPMENT
Form 4400-113B		Rev. 7-98

Route to: Watershed/Wastewa	ater	Waste Management	X		
Remediation/Redev	elopment	Other			
Facility/Project Name	County Name		Well Name		
Dane County Landfill No. 3 (Proposed)		Dane		MW-124	
Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well N		ONR Well ID Numb	er
	13	<u>WD85</u>	5		
 Can this well be purged dry? Xes Well development method 		11. Depth to Water (from top of		opment After De	
surged with bailer and bailed 4 1		well casing)			
surged with bailer and pumped Image: Constraint of the surged with block and pumped Image: Constraint of the surged with block, bailed and pumped Image: Constraint of the surged with block, bailed and pumped Image: Constraint of the surged with block, bailed and pumped Image: Constraint of the surged with block, bailed and pumped Image: Constraint of the surged with block, bailed and pumped Image: Constraint of the surged with block, bailed and pumped Image: Constraint of the surged with block, bailed and pumped Image: Constraint of the surged with block, bailed and pumped Image: Constraint of the surged with block, bailed and pumped Image: Constraint of the surged with block, bailed and pumped Image: Constraint of the surged with block, bailed and pumped Image: Constraint of the surged with block, bailed and pumped Image: Constraint of the surged with block, bailed and pumped Image: Constraint of the surged with block, bailed and pumped Image: Constraint of the surged with block, bailed and pumped Image: Constraint of the surged with block, bailed and pumped Image: Constraint of the surged with block, bailed and pumped Image: Constraint of the surged with block, bailed and pumped Image: Constraint of the surged with block, bailed and pumped Image: Constraint of the surged with block, bailed and pumped Image: Constraint of the surged with block, bailed and pumped Image: Constraint of the surged with block, bailed and pumped Image: Constraint of the surged with block, bailed and pumped Image: Constraint of the surged with block, bailed and pumped Image: Consurged with block, bailed and pumped	2 2)) 		c11 : 30	x a.m. p.m1:	2 0
3. Time spent developing well 9	00 min.		(Describe)	(Describe)	25
4. Depth of well (from top of well casisng) $-\frac{25}{2}$.	6ft.		tan no odor	tan no odor	
5. Inside diameter of well 2^{-2} .	in.				
 6. Volume of water in filter pack and well casing9. 7. Volume of water removed from well19. 8. Volume of water added (if any)0. 	<u>0</u> gal.	Fill in if drilling fluid 14. Total suspended solids			
9. Source of water added NA		15. COD		mg/l	mg/l
		16 Well developed h		a and Dime	
10. Analysis performed on water added? Yes (If yes, attach results)	X No	16. Well developed t First Name: Bri Firm: SCS ENGI	I	· set ground strength from	n, WI 53718
17. Additional comments on development:					
 Surged and purged for 30 minutes. DTW after: 20 Purged dry with monsoon at 5 gallons, switched b 10 minute recovery between each purge Purged dry 3 times Total purge volume 19 gallons Medium recovery 		8 gals	·		
Name and Address of Facility Contact/Owner/Responsible	Party	I hereby certify the	t the above infor	mation is true and c	orrect to the best
First Last Name: Allison		of my knowledge.			offect to the best
Facility/Firm:Dane County Dpt. of Waste & Renews	ables	Signature: <u>Jam</u>	Pulto		
Street:1919 Alliant Energy Center Way		Print Name: Bri Sal	ome		
City/State/Zip: Madison, WI 53713		Firm: SCS EN	GINEERS, 2830	Dairy Drive, Madisor	n, WI 53718
		l			

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin Department of Natural Resources

Street:

City/State/Zip: Madison, WI 53713

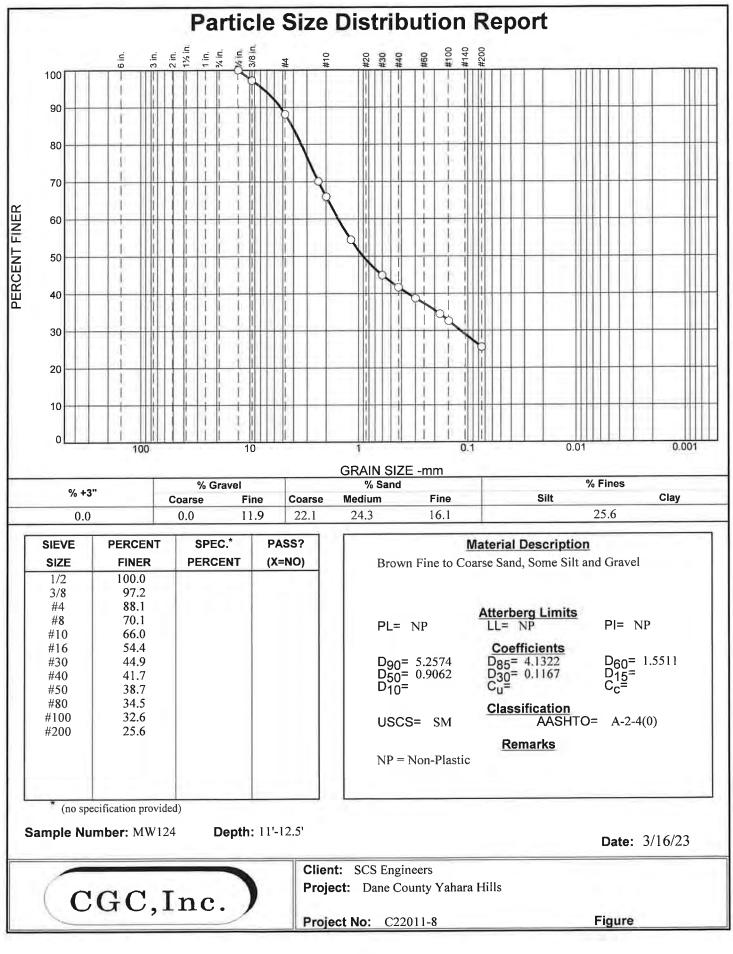
MONITORING	WELL	DEVELOPMENT
Form 4400-113B		Rev. 7-98

Route to: Watershed/Wastewater	Waste Management X
Remediation/Redevelop ment	Other
Facility/Project Name County Name	
Dane County Landfill No. 3 (Proposed)	Dane MW-124
Facility License, Permit or Monitoring Number County Code	Wis. Unique Well Number DNR Well ID Number
<u> </u>	<u>WD855</u>
Image: constraint of the second s	Image: Section 100 of the end of
Name and Address of Facility Contact /Owner/Responsible Party First Last Name: Allison Facility/Firm: Dane County Dpt. of Waste & Renewables	I hereby certify that the above information is true and correct to the best of my knowledge. Signature:

1919 Alliant Energy Center Way Print Name: Bri Salome

Firm: SCS ENGINEERS, 2830 Dairy Drive, Madison, WI 53718

NOTE: See instructions for more information including a list of county codes and well type codes.



Checked By: KJS

MW-124A

State of Wisconsin Department of Natural Resources

Route To:

Watershed/Wastewater Remediation/Redevelopment Other

Waste Management

SOIL BORING LOG INFORMATION Form 4400-122

Rev. 7-98

															Page	1 of 3
	ty/Proje					License/I	Permit/	Monito	ring N	umber		Boring	Numbo MW-			
				lo. 3 (Proposed)	SCS#: 25222268.00	Data Drilling Started					· D 'II'					
	-	•	Name of	Crew chief (first, last) a	ind Firm	Date Drilling Started				Da	te Drilli	ng Con		Drilling Method		
Soi	ott Klu ls & E	ngine	ering S	Services, Inc.			/2023				3/10/2	2023			Rotary	
WIU	nique W			DNR Well ID No.	Common Well Name	Final Sta	tic Wa	ter Leve	el		e Elevat			Bo		Diameter
		0838			MW-124A					9	17.0 H				6	.0"
	Grid O	rigin		timated: \square) or Bo		La	t	0	,	"	Local C	Grid Loo				_
	Plane	• N		202 N, 2,167,830				。	,	"		Feet]	Feet \square E
NW Facili		of N	E I	/4 of Section 36, County	T 7 N, R 10 E	Long		 Civil Te		ity/ or 1	Village		S			W
raciii	IJ			Dane			ue	City of		-	-					
Sa	nple			Danc		15						Soil	Prope	rtion		
Sal	1			~								5011	riope			
	B. S.	ıts	eet		Rock Description											
r be	Length Att. & Recovered (in)	Blow Counts	Depth In Feet		eologic Origin For		S	ى د	В		Standard Penetration	t e		ty		RQD/ Comments
Number and Type	ligth	M	pth	Eac	ch Major Unit		SC	Graphic Log	Well Diagram	PID/FID	Standard Penetratio	Moisture Content	Liquid Limit	Plasticity Index	00	D/
Nu	Lei Rec	Blc	De				n	Grap Log	Well Diagr	ЫП	Sta Per	C Mo	Lin	Plastic Index	P 200	RQ Coi
				Blind drilled to 35' bg Collected samples at 5	5' intervals from 35' to 56	' bgs										
			-1	and logged cuttings sa (See MW-124 log from	mples. n 0' to 23.5' bgs and B-1	24C log										
			E, I	from 9' to 42' bgs for 1	ithology.)	210 108										
			-2													
			2													
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I hereby certify that the information on this form is true and correct to the best of my knowledge.

	Signature	Adam Watson	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.

Boring	Numb	er	MW	V-124A Use only as an attachment to Form 4400-	122.										Page	2 of 3
Sam	ple										So	il	Prop	erties		
	Length Att. & Recovered (in)	ts	set	Soil/Rock Description												
r Pe	Att. red	oun	n Fe	And Geologic Origin For	s	0		F		d tion	e .			ty		ents
Number and Type	ngth cove	Blow Counts	Depth In Feet	Each Major Unit	U S C 8	Graphic	: 00	Well Diaoram	PID/FID	Standard Penetration	Moisture	Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
anc	Le ₁ Re	Blc	De		ñ	Ë.	Log	Diaor	IId	Sta Peı	Ŭ Ž	3	Lic	Pla Inc	P 2	CoRC
				Blind drilled to 35' bgs. Collected samples at 5' intervals from 35' to 56' bgs and logged cuttings samples. (See MW-124 log from 0' to 23.5' bgs and B-124C log from 9' to 42' bgs for lithology.)												
			-16	and logged cuttings samples.												
			-17	(See MW-124 log from 0' to 23.5' bgs and B-124C log from 9' to 42' bgs for lithology.)												
			18													
			Ē.													
			-19 -													
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			-29													
			-30													
			-31													
			-32													
			-33													
			-34													
П			-35	DOLOMITE (DL4), gray (10YR 6/1) and pale brown			/									
			-36	DOLOMITE (DL4), gray (10YR 6/1) and pale brown (10YR 6/3), sandy. Vugs, chert, glauconite, and dendrites visible in larger pieces of cuttings. (Prairie du Chien Group, Oneota Formation)			/									
			-37	du Chien Group, Oneota Formation)			,									
			-37		DL4		/									
S1			-38			E,										Collected drill cuttings from 35' to 40' bgs.
			Ē			\vdash	_									10 loga.
			-39			-/	/									
Ц			-40			\square										

Boring Nu	mber		MW	/-124A	Use only as	an attachmen	t to Form 4400-	122.								Page	3 of 3
Sample													Soil	Prope	erties		
× .	Î)	s	et		Soil/Rock	Description											
Att.	eq	ount	ı Fe		And Geolog	gic Origin For						ion	a		Y		nts
gth.	over	Blow Counts	Depth In Feet		Each M	ajor Unit		C S	phic	l gran	PID/FID	etrat	stur tent	it di	ticit	0) Jme
Number and Type Length Att. &	Kec D12.	Blo	Dep					US	Graphic Log	Well Diagram	PID	Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			-41	DOLOMITE (10YR 6/3), dendrites vis du Chien Gr	E (DL4), gray (sandy. Vugs, ible in larger p oup, Oneota F	10YR 6/1) ar chert, glaucor pieces of cuttin ormation)	nd pale brown nite, and ngs. (Prairie										
S2			-43 -44 -45														Collected drill cuttings from 40' to 45' bgs.
\$3			-46 -47 -48	Pale brown ((2.5Y 7/4) and	pale brown (10YR 6/3).	DL4									Collected drill cuttings from 45' to 50' bgs.
			-49 -50 -51 -52	Gray (10YR	6/1) and gray	ish brown (2.	5Y 5/2).										
S4			-53 -54 -55 -56	Kh = 9.62E Pale brown (brownish gra	-05 cm/s (2.5Y 7/4) yell ay (2.5Y 6/2).	ow (2.5Y 7/6), and light										Collected drill cuttings from 50' to 56' bgs.
		-	<u> </u>	End of borin well from 55	g at 56.5' bgs .3' bgs.	in dolomite. C	Constructed										

	Watershed/Wastewater	Waste Managemen X	MONITORING WELL CONSTRUCTION Form 4400-113A Rev. 7-98
Facility/Project Name Dane County Landfill Site No. 3 (Proposed)	Local Grid Location of Well	NftW.	Well Name MW-124A
Facility License, Permit or Monitoring No.		ted: □) or Well Location □ _ong or	Wis. Unique Well No. DNR Well ID No
Facility ID	St. Plane 377202.11 ft. N.		Date Well Installed 03 / 10 / 2023 m m d d y y y y
Type of Well	Section Location of Waste/Sour <u>NW</u> 1/4 of <u>NE 1/4 of Sec</u>	rce <u>36, t. 7</u> n, r. 10 ⊠E	Well Installed By: Name (first, last) and Firm
Well Code <u>12 / PZ</u>	Location of Well Relative to W	aste/Source Gov. Lot Number	<u>Scott Klumb</u>
Distance from Waste/ Enf. Stds. Sourceft. Apply	u Upgradient s d Downgradient n	Sidegradient Not Known	Soils & Engineering Services, Inc.
	919.46 ft. MSL	1. Cap and lock? 2. Protective cover	pipe:
B. Well casing, top elevation	919.52 ft. MSL	a. Inside diamete	4
C. Land surface elevation	917.0 ft. MSL	b. Length:	$ \sum_{i=1}^{n} \frac{5}{i} \text{ ft.} $
D. Surface seal, bottom 871.0 ft. MS	SL or _ 46.0 ft.	c. Material:	Steel 🗶 04 Other
12. USCS classification of soil near screen	n:	d. Additional pro	
	sw SP 🔲 🔪 👔	If yes, describ	100 M
	СЦСНС \	3. Surface scal:	Bentonite 🗙 30
Bedrock X		S, builace scal.	Concrete 01
			Other
•	$tary \times 50$	4. Material between	n well casing and protective pipe: Bentonite 🔀 30
Hollow Stem Au	ther	Filter Sand	Other 🖾 💷
		5. Annular space se	
15. Drilling fiuid used: Water X0 2	Air 🗙 0 1	5. Annular space se	mud weight Bentonite-sand slurry \times 35
Drilling Mud $0 3$	None 99		mud weight Bentonite slurry 31
16. Drilling additives used?	Yes 🗙 No	d % Benton	nite Bentonite-cement grout 50
		e. <u>12.77</u> Ft	³ volume added for any of the above
Describe N/A		f. How installed	
17. Source of water (attach analysis, if requ	uired):		Tremie pumped 🔀 0 2
Yahara Hills Private Wel	CCC.	6. Bentonite seal:	Gravity 08 a. Bentonite granules 33
		6004	3/8 in. $1/2$ in. Bentonite chips 32
E. Bentonite seal, top 917.0 ft. MS	SL or $___\0^{\text{ft.}}$	c.Pell plug, Ber	ntonite pellets Other
F. Fine sand, top $= \frac{871.0}{1.0}$ ft. MS	$L \text{ or } = - \frac{46}{2} \text{ ft.}$	7. Fine sand materi	al: Manufacturer, product name & mesh size
G. Filter pack, top $\frac{869.0}{100}$ ft. MS	$L \text{ or } = \frac{48}{48} \text{ ft.}$	a. <u>Red Plint #15</u> b. Volume adde	
0. Filter pack, top it. M3			rial: Manufacturer, product name & mesh size
H. Screen joint, top 867.0 ft. MS	SL or 50 ft.	- [] / a	Red Flint #40
I. Well bottom 861.7 ft. MS	Lor55.3 n.	b. Volume adde 9. Well casing:	$\frac{1.5}{\text{Flush threaded PVC schedule 40}} = \frac{1.5}{2.3}$
			Flush threaded PVC schedule 80 🔲 24
J. Filter pack, bottom $\frac{860.5}{\text{ft. MS}}$	SL or 56.5ft .		Other 🔲 🚛 Sch. 40 PVC
K. Borehole, bottom 860.5 ft. MS	$L \text{ or } _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ $	10. Screen material: a. Screen type:	Factory cut X 11
L. Borehole, diameter $-\frac{6.0}{-1}$ in.			Continuous slot 0 1 Other 0
L. Borehole, diameter $ -$ in.		b. Manufacturer	
M. O.D. well casing -2.38 in.		c. Slot size:	0. 0. 01 in.
N. I.D. well casing 2.07 in.			l (below filter pack): None 🗙 14
- 011 101 101 101 101 101 101 101 101 10	<u> </u>		Other Other
I hereby certify that the information on this		best of my knowledge.	
Signature	Firm SCS EN	GINEERS, 2830 Dairy Drive	, Madison, WI 53718

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin Department of Natural Resources

MONITORING	WELL DEVELOPMENT
Form 4400-113B	Rev. 7-98

Route to: Watershed/Wastewat	er	Waste Management	X		
Remediation/Redeve	lopment	Other			
Facility/Project Name Co	ounty Name		Well Name		
Dane County Landfill No. 3 (Proposed)		Dane		Ν	1W-124A
Facility License, Permit or Monitoring Number	ounty Code 1 <u>3</u>	Wis. Unique Well Nu WD838		DNR Wel	1 ID Number
 Can this well be purged dry? Yes Well development method surged with bailer and bailed	□ No	well casing) Date	a15. b03 /1 m m /d	$\frac{98}{1}$ ft.	After Development $- 55 \cdot 49 \text{ ft.}$ $\frac{3023}{\text{ y}} \frac{03}{\text{ m}} \frac{15}{\text{ d}} \frac{2023}{\text{ y}} \frac{2023}{\text{ m}}$
compressed air 20 bailed only 10 pumped only 51 pumped slowly 50 Other		 Sediment in well bottom Water clarity 		0 inches	$- \frac{1}{20} \text{ inches}$ Clear $- 20$ Turbid X 25
3. Time spent developing well75	min.		(Describe)		(Describe)
4. Depth of well (from top of well casisng) $-\frac{58}{9}$.	_ ft.		clear at start of p		light brown
5. Inside diameter of well $-\frac{2}{2} \cdot \frac{07}{2}$	_ in.		light brown	Juige/suige	
 6. Volume of water in filter pack and well casing109 7. Volume of water removed from well160 	_ 0	Fill in if drilling fluid		nd well is a	t solid waste facility:
8. Volume of water added (if any)0.0) gal.	14. Total suspended solids	<u>_</u>	mg/l	<u>556</u> , <u>0</u> mg/1
9. Source of water added NA		15. COD		mg/l	mg/l
10. Analysis performed on water added? Yes (If yes, attach results)	X No	16. Well developed b First Name: Bri Firm: SCS ENGIN		Last Name	
17. Additional comments on development:					
- Surge/purge 30 min; DTW 53.05ft, 11 gal purged					

- Purged dry 3 times with 10 minute recharge in between purges, removed 5 gallons

- Sample time 1310

- 1 well volume 10.9 gal, 10 well volume 109 gal

Name and Address of Facility Contact /Owner/Responsible Party First Last Name: Allison	I hereby certify that the above information is true and correct to the best of my knowledge.
Facility/Firm:Dane County Dpt. of Waste & Renewables	Signature:
Street: 1919 Alliant Energy Center Way	Print Name: Bri Salome
City/State/Zip: Madison, WI 53713	Firm: SCS ENGINEERS, 2830 Dairy Drive, Madison, WI 53718

NOTE: See instructions for more information including a list of county codes and well type codes.

MW-125

State of Wisconsin Department of Natural Resources

Route To:

Watershed/Wastewater Remediation/Redevelopment Other

Waste Management

SOIL BORING LOG INFORMATION Form 4400-122

Rev. 7-98

															Page	1 of 2
		et Name				License/I	Permit/	Monito	oring N	umber		Boring				
				No. 3 (Proposed)	SCS#: 25222268.00							MW-125				
-		-	ame of	f crew chief (first, last) a	ind Firm	Date Dri	lling St	arted		Da	ate Drilling Completed				ng Method	
	tt Klu			Compions Inc.			2/2	2022			2/6/2023				HS	A, 4.25" ID
Soli WIII	S & E	ell No.	ring S	Services, Inc.	Common Well Name	Final Sta		2023	<u>el</u>	Surfac	e Eleva		023	Bo	rehole	Diameter
WI OI	-	D856			MW-125	1 mai Sta			CI		914.7 I		ISI.			3"
Local	Grid Or		ring Location						Local C				0.	5		
State		0 1		,275 N, 2,169,006		La	.t	°	<u> </u>					I	I	Feet 🗌 E
NE	1/4	of NE	E 1.	/4 of Section 36,	t 7 n, r 10 e	Long	g	°	'	"					-	□ W
Facilit	y ID			County		County Co				•	Village					
				Dane		13		City	of Ma	ndison	l					
San	nple											Soil	Prope	erties		
	& in)	0	ъ	Soil/F	Rock Description											
0	Att ed (j	unts	Fee	And G	eologic Origin For						U			~		Its
ber Type	th A vere	Ç	h In		ch Major Unit		CS	hic	1 2	I E	lard trati	ture	t g	icity.		mer
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet		5		n s	Graphic Log	Well	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
<u> </u>	I F		-	Blind drilled to 29' bg	9										<u> </u>	H O
				(See boring log MW-	25A from 0' to 58.7' bg	s for										
			-1	lithology.)												
		-														
			-2													
			-3													
			-4													
		F														
			-5													
		F	-6													
		F	_													
			-7													
			-8													
		-														
			_9													
			-10													
		F	-10													
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		F	15							: :						
	1		-12				1	1	1,	•		1	I	1		

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

Signature JMRn Jackie Rennebohm, PG	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.

Boring N	lumbe	er	MW	V-125 Use only as an attachment to Form 4400-	-122.								Page	2 of 2
Sampl	e									Soil	Prop	erties		_
જ	(in)	ts	set	Soil/Rock Description										
r Pe	red	oun	In Fe	And Geologic Origin For	s	3	я		dution	e t		ty		ents
Number and Type Length At	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
Le	Re	Ble	De		Ď	Grap Log			St ² Pe	ž ĉ	Lii	Pla	P 2	C R
			-	Blind drilled to 29' bgs. (See boring log MW-125A from 0' to 58.7' bgs for										
			-16	lithology.)										
			-17											
			18											
			-19					·						
			20					·						
			-21					1						
			=]						
			22	Kh = 2.56E-04 cm/s										
			-23											
			-24											
			-25					·						
							目	·						
			-26					1						
			27											
			28					-						
			-29	End of boring at 29' bgs in dolomite. Constructed well										
				from 28.3' bgs.										
				End of boring at 29' bgs in dolomite. Constructed well from 28.3' bgs.										
I	I	I	I		I	I .	1	1	I	1	1	I	1	1

	Watershed/Wastewater	Waste Managemen X	MONITORING WELL CONSTRUCTION Form 4400-113A Rev. 7-98
Facility/Project Name Dane County Landfill Site No. 3 (Proposed)	Local Grid Location of Well	Nft	Well Name MW-125
Facility License, Permit or Monitoring No.	Local Grid Origin (estima	ted: []) or Well Location []	<u>ŴD856</u>
Facility ID	St. Plane 377275.19 ft. N,	2169006.25 ft. E. S/C/N	
Type of Well Well Code/ MW_	Section Location of Waste/Sour <u>NE</u> 1/4 of <u>NE</u> 1/4 of Sec. Location of Well Relative to W	<u></u>	Well Installed By: Name (first, last) and Firm Scott Klumb
Distance from Waste/ Enf. Stds. Sourceft, Apply	u Upgradient s d	Sidegradient Not Known	Soils & Engineering Services, Inc.
	918.14 ft. MSL	1. Cap and lock?	Yes No
B. Well casing, top elevation	918.10 ft. MSL	2. Protective cover a. Inside diameter	· · · · · · · · · · · · · · · · · · ·
C. Land surface elevation	914.7 ft. MSL	b. Length: c. Material:	$\begin{bmatrix} -5 & \text{ft.} \\ \text{Steel} & \textbf{X} \end{bmatrix} = 0.4$
D. Surface seal, bottom $_{-}$ $_{-}$ $\frac{900.7}{1.00}$ ft. MS	SL or14 ft.	C. Material.	Other
		d. Additional pr If yes, describ	De:
SM X SC ML MH		3. Surface scal:	$\begin{array}{c c} \mathbf{Bentonite} & 3 \\ \mathbf{Concrete} & \mathbf{O} \\ 1 \end{array}$
13. Sicve analysis performed?			Other Other
14. Drilling method used: Ro Hollow Stem At	tary 50	4. Material betwee	n well casing and protective pipe: Bentonite 30
1000		Filter Sand	Other 🔀
15. Drilling fiuid used: Water 0 2	Air 🗌 01	5. Annular space s	eal: a. Granular/Chipped Bentonite 🔀 3 3 mud weight Bentonite-sand slurry 3 5
	None X 99		mud weight Bentonite slurry 31
16. Drilling additives used?	Yes 🗙 No		nite Bentonite-cement grout 50
Describe N/A		$f_{\rm f}$ How installed	³ volume added for any of the above ^{2,5016 bags} Tremie 01
17. Source of water (attach analysis, if requ	uired):	1ft^3/bag benton 0.5ft^3/sand bag	
N/A		6. Bentonite seal:	Gravity 🔀 08 a. Bentonite granules 🗌 33
014.7	SL or ⁰ ft.	b. 1/4 in. 🗙	3/8 in. 1/2 in. Bentonite chips 🔀 3 2
E. Bentonite seal, top $2 - \frac{914.7}{14.7}$ ft. MS		C	Other
F. Fine sand, top $\frac{900.7}{1000}$ ft. MS		7. Fine sand mater a. Red Flint #7	ial: Manufacturer, product name & mesh size
G. Filter pack, top $$ $\frac{898.7}{-}$ ft. MS	SL or16 ft.	b. Volume adde	
H. Screen joint, top896.7 ft. MS	SL or $\frac{18}{18}$ ft.	- [] _ a	rial: Manufacturer, product name & mesh size Red Flint #5 2.0 ft ³
I. Well bottom886.4 ft. MS	SL or28.3 n.	b. Volume adde 9. Well casing:	Flush threaded PVC schedule 40 2 3 Flush threaded PVC schedule 80 2 2 4
J. Filter pack, bottom 885.7 ft. MS	SL or 29ft.		Other 🗍 🛄
K. Borchole, bottom885.7 ft. MS	SL or29ft.	10. Screen material a. Screen type:	Factory cut 🔀 11
L. Borehole, diameter $-\frac{8.3}{-1}$ in.		×	Continuous slot 0 1
M. O.D. well casing -2.38 in.		b. Manufacturer c. Slot size: d. Slotted lengt	0. <u>01</u> in.
N. I.D. well casing 2.07 in.		Colorean Anna Anna Anna Anna Anna Anna Anna A	I (below filter pack): None X 14 Other Image: State
I hereby certify that the information on this	form is true and correct to the t	best of my knowledge.	
Signature Marka	Firm SCS EN	— GINEERS, 2830 Dairy Drive	e. Madison. WI 53718

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

7

State of Wisconsin Department of Natural Resources

MONITORING	WELL DEVELO	PMENT
Form 4400-113B	Rev. 7-98	

Route to: Watershed/Waste	water	Waste Manag	ement 🔀		
Remediation/Red	evelop ment	Other	. <u></u>		
Facility/Project Name	County Name		Well Name		
Dane County Landfill No. 3 (Proposed)		Dane			1W-125
Facility License, Permit or Monitoring Number	County Code	Wis. Unique V		DNR Well	ID Number
	13	<u> </u>	<u>VD856</u>		
surged with bailer and pumped surged with block and bailed surged with block and pumped surged with block, bailed and pumped compressed air bailed only	es No 4 1 6 1 4 2 6 2 7 0 2 0 1 0 5 1	 Depth to V (from top o well casing Date Time Sediment in 	Water f a21 b02 /2 m m d d c1: 30		After Development $- \frac{26}{2}, \frac{75}{5} \text{ ft.}$ $\frac{23}{y}, \frac{02}{m}, \frac{22}{d}, \frac{2023}{y}, \frac{2023}{$
	5.0	bottom			
		13. Water clari	ty Clear [] 1 Turbid X 1		Clear 🔲 2 0 Turbid 🗙 2 5
3. Time spent developing well	80 min.		(Describe)		(Describe)
4. Depth of well (from top of well casisng) $-\frac{3}{2}$	<u>1_5_ft</u>		light brown no odor		light brown
5. Inside diameter of well $-\frac{2}{2}$	07 in.				
7. Volume of water removed from well	0 0 gal. 0 0 gal.		-		solid waste facility: 9,990,_0mg/1
9. Source of water added NA		15. COD	=	mg/l	<u> mg/l</u>
10. Analysis performed on water added? Y (If yes, attach results)	es 🛛 No	First Name: E	oped by: Name (first, l 3ri ENGINEERS, 2830	Last Name	
17. Additional comments on development:					
 Surged and purged for 30 minutes. purged 2 ga Purged dry in 2 gallons Slow recovery Purged dry total of 3 times Total purge volume 10 gallons 15 minute wait between purges 	allons		a		
Name and Address of Facility Contact /Owner/Responsib First Last Name: Allison	le Party	I hereby cert of my know	•	formation is	true and correct to the best
Facility/Firm:Dane County Dpt. of Waste & Rene	wables	Signature:	Gamerula		
Street: 1919 Alliant Energy Center Way		Print Name: B	ri Salome		
City/State/Zip: Madison, WI 53713		Firm: SC	CS ENGINEERS, 283	30 Dairy Driv	re, Madison, WI 53718

NOTE: See instructions for more information including a list of county codes and well type codes.

MW-125A

Route To:

Watershed/Wastewater Waste Management Remediation/Redevelopment Other

SOIL BORING LOG INFORMATION Form 4400-122

Rev. 7-98

															Page	1 of 3
	/Projec					License/Permit/Monitoring Number Boring Number										
				lo. 3 (Proposed)	SCS#: 25222268.00	D (D	MW-125A									
-		•	Name of	crew chief (first, last) ar	id Firm	Date Di	Date Drilling Started Date Drilling Completed						ing Method			
Soil		ngine		Services, Inc.			2/1/2023 2/2/202				023	HSA, 4.25" ID				
WI Un	ique W		•	DNR Well ID No.	Common Well Name	Final St					e Eleva			Bc		Diameter
		0854			MW-125A		896.6	Feet	MSL	(915.61				8	.3"
	Grid Or	rigin		timated: 🗌) or Bori		T	at	0	,	"	Local (Grid Lo				
State]				276 N, 2,169,010					,			Feet	<u> </u>]	Feet 🗌 E
NE		of N	E 1/	,	t 7 n, r 10 e	Lor					Village		S			□ W
Facilit	ΠD			County Dane		County C 13	ode		own/C	•	•					
San	nple											Soil	Prope	erties		
	k (ii)		4	Soil/Re	ock Description											
	tt. 2 d (i	unts	Fee		ologic Origin For						l u					ts
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet		h Major Unit		S	JIC.	Well Diagram	A	Standard Penetration	Moisture Content	-т	Plasticity Index	_	RQD/ Comments
lmu T bi	eco	low	eptl	Euch	i Major Olin		SC	Graphic Log	Well Diagr	PID/FID	and	Moisture Content	Liquid Limit	Plastic Index	200	OD III
	J Z	В				. (2)		0 -		P	P N	ΣU	ГГ	P d	Ь	C B
				SILT (ML), very dark g with roots. (Topsoil)	grayish brown (10YR)	3/2),	ML	<u>17 - 17 - 1</u>								
S1	18	35 52	-1	LEAN CLAY (CL), ye	llowish brown (10YR	5/6),		+···			0.75	M				
			E,	mostly silt with clay, so uniform, massive. (Loe	one fine sand, soft, coh	esive,					4.5					
			$\begin{bmatrix} -2 \\ \end{bmatrix}$	unnorm, massive. (Loe	55)		CL									
			-3													
_																
			E-4		11 1 1 (103	D 5/()		220								
S2	16	23 3	Ē	CLAYEY SAND (SC), mostly fine sand with r	nedium to coarse sand	(K 5/6), , trace					3.5	M				
			-5	fine to coarse gravel (m	ostly dolomite), unifor	rm,	SC-SM									
			È	massive. (Till) (Holy H Member)	ill Formation, Horicon											
Г			-6	SILTY SAND (SM), ve	erv pale brown (10YR	7/4) and			-							
S3	14	9 12	E	yellowish brown (10YI	R 5/8), mostly fine san	d, with						M				
33	14	11	-7	medium to coarse sand gravel (mostly dolomite	, some clay, fine to coa	arse Till)						IVI				
			E l	(Holy Hill Formation, I	Horicon Member)	1)										
			$\begin{bmatrix} 8 \\ 1 \end{bmatrix}$													
S4	17	66	Ē									M				
		20	E_10													
							SM									
_			-11													
			F I	Reddish brown (5YR 5	/4).											
S5	18	10 12 13	-12									M/W				
L			Ē													
			-13													
Г			Εl													
S6	12	8 30	-14									M/W				
30	12	15	E, I													
			-15					1. 1. 1								

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

Signature	n	Firn	ⁿ SCS Engineers
	Chita	Adam Watson	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.

Boring	Numł	ber	MW	V-125A Use only as an attachment to Form 4400-	122.							Page	2 of 3
Sam									Soil	Prope			
	& in)	s	et	Soil/Rock Description									
	Att. ed (ount	ı Fe	And Geologic Origin For				ion 1	a		~		nts
Typ.	gth ovei	Blow Counts	Depth In Feet	Each Major Unit	CS	Graphic Log Well Diagram	PID/FID	ndar etrat	istur itent	uid it	Plasticity Index	8	D/
Number and Type	Length Att. & Recovered (in)	Blo	Dep		U S	Graphic Log Well Diagram	PID	Standard Penetration	Moisture Content	Liquid Limit	Plastic Index	P 200	RQD/ Comments
				SH TV CAND (CN) and the barren (10VD 7/4) and									
H			-16	SILTY SAND (SM), very pale brown (10YR 7/4) and yellowish brown (10YR 5/8), mostly fine sand, with									
S7	18	13 15	_	medium to coarse sand, some clay, fine to coarse gravel (mostly dolomite), uniform, massive. (Till) (Holy Hill Formation, Horicon Member)					M/W				
5,	10	19	17	(Holy Hill Formation, Horicon Member)					141/44				
			-18										
Н			_										
S8	18	10 9	-19		SM				M/W				Depth to water at ~19' bgs.
Ц		12	-20										~19' bgs.
			_										
			-21										
			-22										
			_										
			-23	SILTY SAND (SM), white (10YR 8/1), fine sand, with trace greenish gray (Gley 1 5GY 5/1) clay.									
		26.64	-24	(Sandstone Bedrock) (Ancell Group, St. Peter	SS3								
S9	18	36 64 60/3"	_	Formation, Readstown Member) At 23.5' to 25', SILTY SAND (SM)					М				
			-25	\% g-s-si+cl = 16-57-27 SILTY SAND (SM), yellow (2.5Y 8/6), fine sand,									
			-26	with trace angular to sub-angular gravel (mostly									
				dolomite), and trace green (glauconite) clay. (Prairie du Chien Group)									
			-27										
			-28										
Н			_										
S10	11	100/4"	-29						M/W				
Ц			-30										
			-31										
			-32										
					DL5								
			-33										
		100/2"	-34	Very poor recovery.									
S11	2	100/2	_	very poor recovery.					М				
			-35										
			-36	Dolomite									
			-37										
			-38										
Н			_										
S12	2	100/1.5'	-39	Very poor recovery.					М				
Ц			-40										

Boring		oer	MW	V-125A Use only as an attachment to Form 4400-	122.					_					Page	3 of 3
San	nple										So	il	Prop	erties		-
	s (ii)	ts	set	Soil/Rock Description												
г э	Att. red	uno	n Fe	And Geologic Origin For						d	9			N.		ints
nbeı Typ	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Each Major Unit	CS	phic		_	gran /FII	odar etra	istur	tent	uid it	sticit	00	D/ D/
Number and Type	Len Rec	Blo	Dep		USC	Graphic	Log	Well	PID/FID	Standard Penetration	Moisture	5	Limit	Plasticity Index	P 200	RQD/ Comments
			E	SILTY SAND (SM), yellow (2.5Y 8/6), fine sand,												
			-41	SILTY SAND (SM), yellow (2.5Y 8/6), fine sand, with trace angular to sub-angular gravel (mostly dolomite), and trace green (glauconite) clay. (Prairie du Chien Group)												
				(Prairie du Chien Group)												
			-42													
			Ē													
			-43													
Г			Ē.,													
S13	2	100/2"	-44	Very poor recovery. Powdered dolomite, with a few chips dolomite.							M					
			-45	Powdered dolomite, with a few chips dolomite.												
			E													
			-46													
			E													
			-47													
			E 40													
_			-48													
			E-49	At 48.5' to 50', SILTY SAND (SM) % g-s-si+cl = 2-59-39 NP												
S14	2	100/2"		NP	DL5			÷Ц			M					Collected soil sample off auger
			50	Kh = 3.24E-04 cm/s												sample off auger from 50' to 58.8' bgs.
			E					い目								Ũ
			-51													
			52					三日								
			E					:目								
			-53					:目								
			E													
			-54					:目								
			E					Η								
			55	Sampled off the augers.												
			E-56													
			Ē													
S15			-57													
			E _o													
			58													
			F	End of boring at 58.7 feet below ground surface (bgs) in dolomite. Constructed well from 54.5 feet bgs.			37.5		÷							
				in dolomite. Constructed well from 54.5 feet bgs.												
I					1	1	1		1	1	1	1		1		

	Watershed/Wastewater Remediation/Redevelopment	Waste Managemen	XI	MONITORING WELL CONSTRUCTION Form 4400-113A Rev. 7-98
Facility/Project Name Dane County Landfill Site No. 3 (Proposed)	Local Grid Location of Well			Well Name MW-125A
Facility License, Permit or Monitoring No.	Local Grid Origin (estim	Long	cation 🗖	Wis. Unique Well No. DNR Well ID No. WD854
Facility ID	St. Plane 377276.27 ft. 1	that for	5. S/C/N	Date Well Installed 02 / 2023
Type of Well Well Code/_PZ	Section Location of Waste/So <u>NE</u> 1/4 of <u>NE</u> 1/4 of Sec Location of Well Relative to	<u>. 36, T. 7</u> N, R	10 E W	<u>m m d d y y y y</u> Well Installed By: Name (first, last) and Firm Scott Klumb
Distance from Waste/ Enf. Stds. Sourceft. Apply	u Upgradient s	Sidegradient	L INUMDEI	Soil & Engineering Services, Inc.
	d Downgradient n 918.36 ft. MSL	Not Known 1. Cap an	d lock?	Yes No
B. Well casing, top elevation	918.36 ft. MSL	151	tive cover p le diameter:	- 4
C. Land surface elevation	915.6 ft. MSL	b. Len	gth:	5 ft.
D. Surface seal, bottom $_$ $_$ $=$ $\frac{870.0}{-1}$ ft. MS	SL or _ 45.6 ft.	c. Mat	erial:	Steel 🗶 04
	sw 🗆 sp 🔲 🛛 🔪		litional prot es, describe	; u
SM X SC ML MH		3, Surfac	c scal:	$\begin{array}{c c} \mathbf{Bentonite} & \mathbf{X} & 3 \\ \mathbf{Concrete} & 0 & 1 \end{array}$
13. Sieve analysis performed?		▓ ``	278	Other
14. Drilling method used: Ro Hollow Stem Av	tary 50	4. Materi	al between	well casing and protective pipe: Bentonite 2 30
1949		Filter	Sand	Other 🔀
15. Drilling fiuid used: Water 0 2	Air 01	200	ar space sea	1: a. Granular/Chipped Bentonite 🔀 3 3 ud weight Bentonite-sand slurry 3 5
	None 99	b c		ud weight Bentonite slurry 2 31
16. Drilling additives used?	Yes 🗙 No	d		te Bentonite-cement grout 50 volume added for any of the above
Describe N/A		е. <u> </u>	w installed:	2, 5016 bags Tremie 0 1
17. Source of water (attach analysis, if req	uired):		bag bentonite B/sand bag	
N/A		6. Ben <u>tor</u>		a. Bentonite granules 33
E. Bentonite seal, top 915.6 ft. MS	SL or0ft.	b]/4 in. 🗙 3	3/8 in. 1/2 in. Bentonite chips 🔀 3 2
F. Fine sand, top	SL or45.6 ft.	CO24 /		: Manufacturer, product name & mesh size
G. Filter pack, top868.0 ft. MS	SL or 47.6 ft.	a	Sidley #7	0.5 ft ³
• • •	SL or 49.5 ft.	8. Filter	pack materi	al: Manufacturer, product name & mesh size RW Sidley #5
I. Well bottom 860.8 ft. MS	SL or 54.8 ft.	b. Vo 9. Well c	lume added asing:	$\frac{2.0 \text{ ft}^3}{\text{Flush threaded PVC schedule 40 }}$
J. Filter pack, bottom856.8 ft. MS	SL or58.8 ft.			Flush threaded PVC schedule 80 24 Other
K. Borehole, bottom856.8 ft. MS	Nor 58.8 ft.	1111	n material:	Sch. 40 PVC
		8. 30	reen type:	Factory cut $ X $ 1 1 Continuous slot \Box 0 1
L. Borehole, diameter $ -$ in.		b	nufacturer	Campbell (Monoflex)
M. O.D. well casing $-\frac{2.38}{}$ in.		c. Slo	ot size: otted length:	0. <u>01</u> in.
N. I.D. well casing 2.07 in.		11. Backfr	II material ((below filter pack): None X 1 4 Other W
I hereby certify that the information on this		best of my knowledge.		
Signature March	Firm SCS E	NGINEERS, 2830 Da	airv Drive.	Madison, WI 53718

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

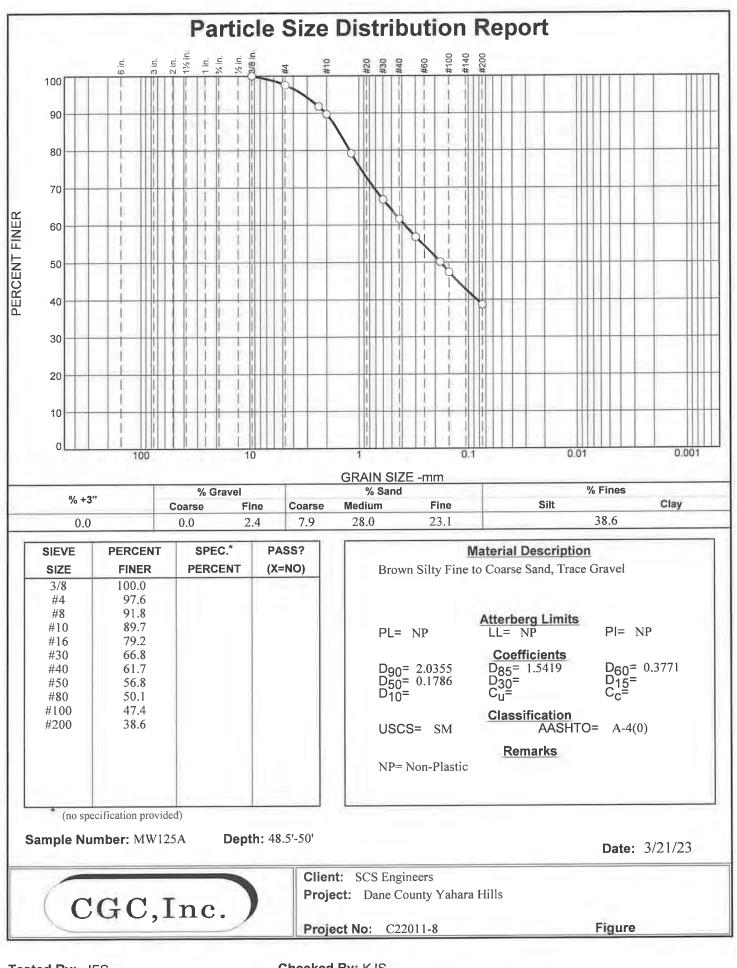
7

State of Wisconsin Department of Natural Resources

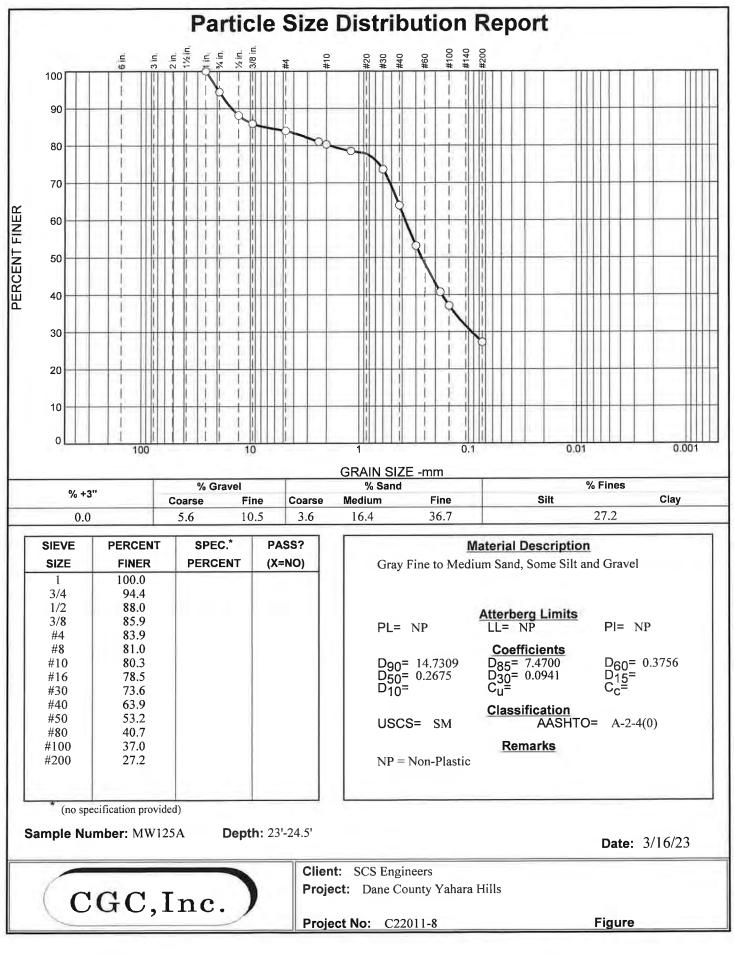
MONITORING	WELL DEVELOPMENT
Form 4400-113B	Rev. 7-98

Route to: Watershed/Wastev	vater	Waste Management	\mathbf{X}		
Remediation/Rede	velop ment	Other			
Facility/Project Name	County Name		Well Name		
Dane County Landfill No. 3 (Proposed)		Dane		Ν	1W-125A
Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well N		DNR Wel	1 ID Number
5 22 7	13	<u>WD85</u>	4		<u></u>
1. Can this well be purged dry? X Yes 2. Well development method surged with bailer and bailed X 4 surged with bailer and pumped 6 6 6 surged with block and bailed 4 4 surged with block and pumped 6 6 surged with block and pumped 6 7 compressed air 2 2 bailed only 1 1 pumped only 5 5 pumped slowly 5 5	1 1 2 2 0 0 0 0 1		a21 b02 /2 m m d d c3: 40		After Development <u>52</u> <u>30</u> ft. $\frac{2023}{y} \frac{02}{m} \frac{7}{d} \frac{22}{d} \frac{2023}{y} \frac{2023}{y} \frac{2023}{y} \frac{2023}{y} \frac{2023}{y} \frac{2023}{y} \frac{2023}{y} \frac{1}{y} \frac{2023}{y} \frac{2023}{y} \frac{2023}{y} \frac{1}{y} \frac{2023}{y} \frac{202}{y} $
Other		13. Water clarity	Clear 1 Turbid X 1 (Describe)	. 5	Clear 20 Turbid 25 (Describe)
4. Depth of well (from top of well casisng) $= -\frac{57}{2}$	30_min. .6ft.		light brown		light brown
5. Inside diameter of well $-\frac{2}{2} \cdot \frac{0}{2}$	7 in.		no odor		no odor
 6. Volume of water in filter pack and well casing10		Fill in if drilling fluid 14. Total suspended solids			t solid waste facility: <u>14,900</u> . <u>0</u> mg/l
9. Source of water added <u>NA</u>		15. COD	=	mg/l	mg/l
 10. Analysis performed on water added? Ye (If yes, attach results) 17. Additional comments on development: 	s X No	16. Well developed b First Name: Bri Firm: SCS ENGIN	-	Last Name	
 Surged and purged for 30 minutes; DTW 41ft aft Purged dry at 7 gallons Recovery was 1ft/min Purged dry a total of 3 times Total purge volume 24 gallons 	er; purged 7 ga	allons	đ		
Name and Address of Facility Contact/Owner/Responsible First Last Name: Allison	Party	I hereby certify that of my knowledge.	t the above inf	formation is	s true and correct to the best
Facility/Firm:Dane County Dpt. of Waste & Renew	vables	Signature: Balan	Julin		
Street:1919 Alliant Energy Center Way		Print Name: Bri Sale	ome		
City/State/Zip: Madison, WI 53713		Firm: SCS EN	GINEERS, 283	30 Dairy Dri	ve, Madison, WI 53718

NOTE: See instructions for more information including a list of county codes and well type codes.



Checked By: KJS



Checked By: KJS

B-126

State of Wisconsin Department of Natural Resources

Route To:

Watershed/Wastewater Remediation/Redevelopment Other

Waste Management

SOIL BORING LOG INFORMATION Form 4400-122

Rev. 7-98

															Page	1 of 1	
Facility/Project Name							License/Permit/Monitoring Number Boring Number B-126										
Dane County Landfill No. 3 (Proposed)SCS#: 25222268.00Boring Drilled By: Name of crew chief (first, last) and Firm							Date Drilling Started						11. 11	. N (1 1			
						Date Dri	lling St	arted		Da	te Drilli	ng Con	ipieted			ing Method	
Scott Klumb Soils & Engineering Services, Inc.							3/8/	2023				3/8/2	023		Direct Push, 2"		
WIUn	ique W	ell No.	unig .	DNR Well ID No.	Common Well Name	Final Sta			el	Surfac	e Elevat		025	Bo	orehole	Diameter	
										8	80.3 F	Feet M	1SL			.3"	
Local		rigin		stimated: 🗌) or Bor				0	,		Local C	drid Loo	cation				
State				,795 N, 2,167,301		La						Feet	□ N]	Feet 🗌 E	
SW		of SI	E 1	,	T 7 N, R 10 E	Long		<u> </u>	<u> </u>		7.11		S			U W	
Facilit	y ID			County		County Co	de	Civil To									
	1			Dane		13		City		adison		0.1	D				
San												Soil	Prope	erties		-	
	. & (in)	ıts	eet		ock Description												
pe r	Length Att. & Recovered (in)	Blow Counts	Depth In Feet		ologic Origin For		s	0	5		Standard Penetration	t e		ţ		ents	
ube Ty	igth sove	No.	oth]	Eac	h Major Unit		U	Graphic Log	Well Diagram	PID/FID	ndaı letra	Moisture Content	Liquid Limit	Plasticity Index	8	RQD/ Comments	
Number and Type	Ler Rec	Blo	Del				U S	Grap Log	Well Diagr	DI	Sta Per	C Mo	Liquid Limit	Plastic Index	P 200	RQD/ Comm	
			_	SILT (ML), dark brow	n (10YR 3/2), roots. (To	opsoil)	ML	<u>x¹ 1₁ x¹</u>									
			-1	SILTY SAND (SM), re	eddish brown (5YR 4/6)	, mostly]								
				fine sand, with mediun	n to coarse sand, some c	lav. and											
S1	27		E_2	massive. (Till) (Holy H	nostly dolomite), uniform fill Formation, Horicon	n,	SM										
51	21		Ē	Member)	,												
			-3	SILT (ML) vellow (10	YR 7/6 to 6/6), with fin	e to			-								
			E	coarse gravel, trace fine	e sand. (Weathered Dolo	omite											
			-4	Bedrock)			ML										
S2	11		Ē														
			-5	End of boring at 5' bgs	in dolomite. Abandoned	d boring			1								
				with bentonite chips.													

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

Signature	alt	Adam Watson	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.

	Dept. of Natura	al Resources SCS	3 No. 25222268.	00
dnr.wi.gov				

Well / Drillhole / Borehole Filling & Sealing Report Page 1 of 2

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:						
Verification Only	of Fill and Se	al		Drinking Water		Watershed/W	Vastewater	Remed	liation/Redeve	elopment
		ar		Vaste Manageme	nt 🗍	Other:				
1. Well Location Inform	mation				2. Facility	/ Owner Inf	formation			
	WI Unique Well #	fof	Hicap #		Facility Nam					
Dane	Removed Well		r i	B-126	Dane Cou	unty Landfil	I No.3 (Propo	osed)		
					Facility ID (F	ID or PWS)				
Latitude / Longitude (see in	_	Format	DD	Method Code GPS008						
	N			SCR002	License/Perr	mit/Monitoring	j #	Ξ.	9	
	W		DDM							
1/4 / 1/4 SW 1/4 SE	Section	Tow	/nship	Range X E	Original Wel					
or Gov't Lot #	25		7 N	10 🗍 w	Dane Cou	unty Depart	tment of Was	ste and Ren	ewables	
Well Street Address					Present Wel					
7101 US Highway 12	& 18						tment of Was	te and Rene	ewables	
Well City, Village or Town			Well	ZIP Code	-	ress of Presen				
Madison, WI			537	18		int Energy C	Center Way		-	
Subdivision Name			Lot #		City of Prese	ent Owner		State	ZIP Code	
					Madison			WI .	53713	
Reason for Removal from S	Service WI Un	ique Wel	# of Re	eplacement Well			en, Casing &	Sealing Mat	and the second se	
Temporary Borehole						d piping remov	ved?		Yes No	
3. Filled & Sealed Wel					Liner(s) re				Yes No	X N/A
Monitoring Well	Original C	onstructic	on Date ((mm/dd/yyyy)		erforated?			Yes No	X N/A
Water Well		03/	08/202	23	Screen re					X N/A
	If a Well (Construct	ion Repr	ort is available,		ft in place?			Yes No	X N/A
X Borehole / Drillhole	please att					ng cut off belo			Yes No	X N/A
Construction Type:						ng material rise		×	Yes No	N/A
	Driven (Sandpoint))	Dug	g		rial settle after			Yes 🗙 No	N/A
X Other (specify): Geo	probe					, was hole reto		L	Yes 🗙 No	N/A
Formation Type:							used, were they n safe source?	hydrated X	Yes No	N/A
X Unconsolidated Forma	ation	Bedro	ock		Lange Longer Class and March 1		ng Sealing Mate	rial		
Total Well Depth From Gro	L	Casing [r (in)		ctor Pipe-Gra		ctor Pipe-Pum	ped	
		NA	Junioto		Screer	ned & Poured		(Explain):		
5	A	-	D 11 /6			nite Chips)		(Explain)	and the second second second second	
Lower Drillhole Diameter (i	1.)	Casing [Jeptn (it)	Sealing Mate			Ξ., .,	~ ·	
2.3		NA				Cement Grout		Bentonit		
Was well annular space gro	uted?	Yes	× No	Unknown		Cement (Conc		X Bentonite		
						5	Monitoring Well		,	
If yes, to what depth (feet)?	Dept	th to Wate	f (teet)			nite Chips		entonite - Cerr		
NA					Granul	lar Bentonite		entonite - San		
5. Material Used to Fil	l Well / Drillhol	е			From (ft.)	To (ft.)	No. Yards, Sa Volume (c		Mix Rat Mud W	
3/8" Bentonite Chips					Surface	5	10		dry n	
······										
						<i>u</i>				
6. Comments										
Boring B-126										
7. Supervision of Wor	k							DNR Use	Only	
Name of Person or Firm Do		ing Lic	ense #	Date of Fi	illing & Sealing	or Verificatio	n Date Receiv		Noted By	
Soils & Engineering Serv		-		10 00 00 00 00 00	VVV) 03/08/2					

Soils & Engineering Services, Inc		(n	nm/dd/y	(yyy) 03/08/2023		
Street or Route			٦	elephone Number	Comments	
1102 Stewart St				(608)274-7600		
City	State	ZIP Code		Signature of Person Doing W	Vork	Date Signed
Madison	WI	5371	3	a di	-	03/08/2023