Appendix Q Supplemental Boring and Well Information

SOIL BORING LOG INFORMATION

Resources Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater

Remediation/Redevelopment

Other

Other

				Remediation	Redevelopment	Otner	Ш									
															Page	1 of 2
	y/Projec					License/	Permit/	'Monite	oring N	lumber			Numb			
				No. 2 Rodefeld	SCS#: 25217087.02	3018							GP-4		I	
		-	Name of	f crew chief (first, last) a	nd Firm	Date Dri	lling S	tarted		Da	te Drilli	ng Con	npleted		Drill	ing Method
	y Kap		nmant	al Services, Inc.			6/20	/2020)			6/30/2	2020		000	onrobo
	ique W			DNR Well ID No.	Common Well Name	Final Sta				Surface	e Eleva		2020	Bo		oprobe Diameter
****	nque ;;		•	714	GP-4R	1	Feet 1				84.05		MSL			.5 in.
Local	Grid Or	rigin		stimated: or Bor	ring Location 🛛	1		0			Local C					
State	Plane		380	,750 N, 2,201,301	E = S/C/N	La	ıt					Feet	: 🗆 N	[Feet 🗌 E
SE		of N	E 1	/4 of Section 25,	T 7 N, R 10 E	Long	g	o 	<u> </u>				\Box s			□ w
Facilit				County		County Co	de			City/ or V	Village					
	12730	00		Dane		13		Mad	ison							
San	nple											Soil	Prope	erties		
	(ii) &	ts	get	Soil/R	Rock Description						l .					
ے و	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	And Ge	eologic Origin For		,,		,		d tion	ر <u>و</u>		E		uts
nbe Typ	gth	× C	th I	Eac	ch Major Unit		CS	phic .	. _ }	PID/FID	ndar etra	istun	nid Ei	Plasticity Index	200	RQD/ Comments
Number and Type	Len	Blo	Dep				n S	Graphic Loo	Well	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plastic Index	P 2(RQD/ Comm
			_	LEAN CLAY, light b	rown to reddish brown	(5YR										
			- ,	4/4).												
			E,													
			<u>-</u> 2													
	22		Ė ~								2.5	M				
	22		_3				CL		.		2.3	IVI				
			E													
			-4							`.	1.0					
			Ė							·.						
	1		<u></u>						H	::[
			E ₄								1.0					
			F 6	SILTY SAND, red (2.	5YR 4/6), fine to medi	um (till).			18							
			E_7						1	::. <u> </u>						
	35		Ē									M				
			-8						18							
			Ė						$\ \ $							
			-9													
			E.						18							
			- 10				63.6			·						
			E ₁₁	Trace small rounded g	ravel.		SM		1							
			11							::						
			E ₁₂						1	; ;						
	46		E							::]		$ _{\mathbf{w}}$				Depth to water
			_13									"				Depth to water ~10 feet
			Ė						十目							
			14						1	:::						
			E 15							:::						

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

Signature ackie Rennebohm Firm SCS Engineers

Tel: Fax:

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

SOIL BORING LOG INFORMATION SUPPLEMENT

Form 4400-122A

	g Numl	oer	GP ²	Use only as an attachment to Form 4400-1	22.								Page	2 of 2
San	nple									Soil	Prope	rties		
	(E) &	S	et	Soil/Rock Description										
. •	Att.	unc	ı Fe	And Geologic Origin For			_		ion 1	l o		>		nts
ıber Typ	sth ,	v C	th In	Each Major Unit	SCS	ohic	l gran	FIL.	dare	sture	д <u>н</u>	ticit	0)/ ime
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet		S O	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
	 								3, _					
			F 16											
			16											
			E ₁₇				目.							
	60		E '							w				
	00		18		SM					**				
			E											
			- 19											
			E_20											
	12		F 20							W				
	12		E_21	F 1 Cl : 421 C 4 C 4 1 420 C 4						**				
				End of boring at 21 feet. Set gas probe at 20 feet.										
					I		l	l	1	1	1			

State of Wisconsin Department of Natural Resources Route to: Watershed/Wast Remediation/Re		Waste Managemen		MONITORING WEL Form 4400-113A	L CONSTRUCTION Rev. 7-98
Facility/Project Name Dane County Landfill Site No. 2 Local Grid Grid Local Grid Grid Grid Grid Grid Grid Grid Grid		N. S	_ft. B. W.	Well Name GP-4R	
Facility License, Permit or Monitoring No. Local Grid Orig 3018 Lat		ted: []) or Well L	ocation or	Wis. Unique Well No.	DNR Well ID No
Facility ID St. Plane 38	30,750.00 ft. N ,		E. S/C/N	Date Well Installed	/_30/2020
Section Location	on of Waste/Sour		10 ⊠E	m m Well Installed Rv: No	me (first, last) and Firm
Well Code 51 / GP		25,T. 07 N, R.	10 K	Tony Kapugi	ane (ms., last) and 1 mm
Distance from Waste/ Enf. Stds. Location of We Upgrad	ell Relative to Wient s	aste/Source Gov. L Sidegradient	ot Number		antal Camiasa Inc
Source 390 ft. Apply d Downg		Not Known —	ia.	On-site Environm	ental Services, Inc.
A. Protective pipe, top elevation ft. MSI			nd lock? ctive cover p	Januar	Yes No
B. Well casing, top elevation 886.34 ft. MSI	,	1177	ide diameter	1.50	6 in.
C. Land surface elevation884.05 ft. MSI	.	b. Lei		,	4 ft.
D. Surface seal, bottom 884.05 ft. MSL or 0		c. Ma	terial:		Steel X 04
AND AND ADMINISTRATION FROM BOARD BOARD AND AND AND AND AND AND AND AND AND AN		 : -	LONGER DE		Other
12. USCS classification of soil near screen: GP GM GC GW SW SP		1.4	lditional proj		☐ Yes ⊠No
SM SC ML MH CL CH	1 1		yes, describe	ş,	Bentonite X 3 0
Bedrock	~	3. Surfa	cc scal:		Concrete 0 1
13. Sieve analysis performed? Yes No				-	Other
14. Drilling method used: Rotary 5 0		4. Mater	rial between	well casing and protect	tive pipe:
Hollow Stem Auger 41		Filtor	Cond		Bentonite 30
Geoprobe Other X			Sand	- C1/Chi	Other 🔀 🧱
15. Drilling fluid used: Water 0 2 Air 0 1		5. Annu	lar space sea	il: a. Granular/Chip	
Drilling Mud 0 3 None 7 99		В. <u>—</u>		ud weight Ben	
4 6 70 70 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		d	_ % Benton	ite Bentonite-	cement grout 5 0
16. Drilling additives used?		e	1.03 Ft	volume added for any	
Describe NA		f. He	ow installed:		Tremie 01
17. Source of water (attach analysis, if required):				Tre	mie pumped 02 Gravity X 08
NA		6. Bento	onite seal:	a. Bento	nite granules 33
	⊣ ∭	ъ. []/4 in. 🔀	3/8 in. 1/2 in. Be	entonite chips 💢 3 2
E. Bentonite seal, top 884.05 ft. MSL or 0	ft.	C.—			Other 🔲 🚛
F. Fine sand, top ft. MSL or	A. \	7. Fine :	sand materia	l: Manufacturer, prod	uct name & mesh size
	··· / 将	♥ / / a. <u> </u>			
G. Filter pack, top881.05 ft. MSL or3	ft.		olume added		
870.05 c. Mgr. 5	n.—	8. Filter	pack materi	al: Manufacturer, prod	
H. Screen joint, top 879.05 ft. MSL or 5	11.	•	olume added	RW Sidley #5 6.14	<u></u> ×
I. Well bottom 864.05 ft. MSL or 20	n	9. Well		Flush threaded PVC	
				Flush threaded PVC:	
J. Filter pack, bottom863.05 ft. MSL or21	ft.				Other
K. Borehole, bottom863.05 ft. MSL or21	a .		n material:	PVC	
K. Borehole, bottom		a. So	creen type:	Cor	Factory cut 🔀 11
L. Borehole, diameter in.		23 (Coi	Other 01
		b. м	anufacturer	Monof	lex
M. O.D. well casing -1.38 in.		c. SI	ot size:		0. <u>010</u> in.
1.01		100 100 100 100 100 100 100 100 100 100	otted length		15 ft.
N. I.D. well casing $-\frac{1.01}{}$ in.		11. Back	III material	(below filter pack):	None X 14 Other
I hereby certify that the information on this form is true an	d correct to the h	est of my knowledge			<u> </u>
Signature	Firm		The state of the s	-70	
Jackie Rennebohm	53/03/99/2019/5	GINEERS, 2830 D	airy 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.

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Signature Craig M. Bower Firm Soils & Engineering Services, Inc. 1102 Stewart Street Madison, Wisconsin 53713

Tel: 608-274-7600 Fax: 608-274-7511

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. Printed on 12/9/2014

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

Facility/Project Name Dane County No. 2 Landfill Expansion, Eastern Expansion

SES Project Number 506.77

Sam		oer C	P5R	Use only as an attachment to Form 440	00-122.			_	-	0	Pa		of	2
3dII		str	eet					sgi	er	Soil	Prop	erties		
and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet		uscs	Graphic Log	Well Diagram	PID Readings	Pocket Penetrometer	Moisture Content	Liquid Limít	Plasticity Index	P 200	RQD/ Comments
1/	14	5 8 10	-16 -17 -18 -19 -20 -21	SILTY SAND (SM) — fine to medium grained, non-plastic to low plasticity fines, red and brown, moist, medium dense relative density, trace to little gravel (continued)	SM									-M
	112	8 10 17	23 -24 -25											∠ M
			28 29 30 31 32 33 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	NOTES 1. The Legend Record is considered a Boring GP5R.	part of	the W	/DNR	Soil	Boring	Log	Infor	mation	n for	m(s) for
			-37 -38 -39											

State of Wisconsin Department of Natural Resources Route To:	W 1 200		MONTTORNIGNER
SES Project Number 506.77	Watershed/Wastewater ☐ Remediation/Redevelopment ☐	Waste Management ☐ Other ☐	MONITORING WELL CONSTRUCTION Form 4400-113A Rev. 7-98
Facility/Project Name	Local Grid Location of Well	04205 F F	Well Name
Dane County No. 2 Landfill Expansion Facility License, Permit or Monitoring No.	81756 ft. S. 20	ed: () Well Location (GP5R Wis. Unique Well No. DNR Well Number
raciny electric, retain or Monitoring No.	Lat Lo		wis. Offique well No. DNR Well Number
Facility ID	St. Plane ft. N,		Date Well Installed
	Section Location of Waste/Source	IL, L, S/C/N	$\frac{1}{m} \frac{1}{m} \frac{1}{d} \frac{3}{d} \frac{2}{v} \frac{0}{v} \frac{1}{v} \frac{4}{v}$
Type of Well	1/4 of 1/4 of Sec	, T N, R, D W	Well Installed By: Name (first,last) and Firm
Well Code51 / _gp	Location of Well Relative to Waste	Source Gov. Lot Number	Kevin Z. Hargis
Source ft. Apply	d □ Downgradient n □ N	lidegradient Jot Known	Soils & Engineering Services, Inc.
A. Protective pipe, top elevation 90	07.15 ft. MSL	1. Cap and lock?	■ Yes □ No
	07.05 ft. MSL	Protective cover p a. Inside diameter	
C. Land surface elevation 9	904.8 ft. MSL	b. Length:	5.0 ft.
D. Surface seal, bottom 900.4 ft. MS		c. Material:	Steel ■ 04
	L or n		Other 🗆 💆
12. USCS classification of soil near screen: GP □ GM□ GC □ GW□ S	SW 🗆 SP 🗆	d. Additional prot	ection? ☐ Yes ■ No
SM ■ SC □ ML□ MH□ 0	CL CH CH CH		Bentonite ■ 30
Bedrock □ OL/OH □ PT □		3. Surface seal:	Concrete 0 1
13. Sieve analysis attached?	■ No		Other 🗆 📃
14. Drilling method used: Rote Hollow Stem Au	ary 🗆 5 0	4. Material between	well casing and protective pipe:
	her 🗆 🔛		Bentonite ■ 3 0 Other
		Surface seal: Material between Annular space sea	d: a. Granular/Chipped Bentonite 3 3
	Air 🗆 0 t	bLbs/gal n	nud weight Bentonite-sand slurry 3 5
Drilling Mud □ 0 3 No	me ■99		nud weight Bentonite slurry 3 1
16. Drilling additives used? ☐ Yes	■ No	d% Bentor	volume added for any of the above
B - 480		f. How installed	
Describe			r Space Seal Tremie pumped 0 2
17. Source of water (attach marysis).		Material Pr	Stavity 🗀 u o
		Material Pr 6. Bentonite seal: b. □ 1/4 in. □ None	a. Bentonite granules ☐ 3 3 3/8 in. ☐ 1/2 in. Bentonite chips ☐ 3 2
E. Bentonite seal, top 900.4 ft. MSI			Other Other
		7. Fine sand materia	l: Manufacturer, product name and mesh size
F. Fine sand, top 900,4 ft. MSI	L or 4.3 ft.	7. Fine sand materia a. None b. Volume added 8. Filter pack materia	H3
G. Filter pack, top 900.4 ft. MSI	L or 4.3 ft.	b. Volume added 8. Filter pack materi	al: Manufacturer, product name and mesh size
			and and Gravel, #40 well slot
H. Screen joint, top 899.8 ft. MSI	Lor5.0 ft.	b Volume added	
1. Well bottom879.8_ ft. MSI	Lor 25.0 ft.	9. Well casing:	Flush threaded PVC schedule 40 2 3 Flush threaded PVC schedule 80 2 2 4
200			Other 🗆 💆
J. Filter pack, bottom 879.3 ft. MSI	Lor25.5 ft.	10. Screen material:	Flush threaded PVC schedule
K. Borehole, bottom 879.3 ft. MSI	Lor 25.5 ft.	a. Screen Type:	40 Factory cut ■ 11
it. Molenoic, bottom	- II.		Continuous slot Other
L. Borehole, diameter6.6 in.		b. Manufacturer	Baker Water Systems
1.22		c. Slot size:	(Monoflex) 0.010 in
M. O.D. well casing 1.32 in.		d. Slotted length:	
N. I.D. well casing 1.03 in.		11. Backini material	(below filter pack): None ■ 1 4 Other □ ■
and the state of t			Out L
I hereby certify that the information on this for	rm is true and correct to the best of n	w knowledge	

Signature

Signature

Firm Soils & Engineering Services, Inc.

1102 Stewart Street, Madison, Wisconsin 53713

Please complete both Forms 4400-113A and 4400-113B and return to the appropriate DNR office and bureau. Completion of these reports is required by cls. 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. Personnally 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.

SOIL BORING LOG INFORMATION

Form 4400-122

Rev. 7-98

	Remediation/Redevelopment	Other 🗌	_	ent 🔲				3	SES Pro	oject Ni	ımber	506.77
acility/Project Name	Dane County No. 2 Landfill Expansi	ion, License/F	ermit/	Monitor	ing Nu	mber		Boring	Pag		of	2
Eastern Expans	sion				22.44			- 4		GP		
	lame of crew chief (first, last) and Firm	Date Dril	lling St	arted		Da	te Drilli	ng Con	npleted		Dril	ling Method
	ering Services, Inc.			r 12, 2			Nove		12, 2			SA
WI Unique Well No.	GP6R	lame Final Sta	tic Wa	ter Leve				.8 Fe		Bo		Diameter .6 in
Local Grid Origin State Plane	(estimated:) or Boring Location ft. N,ft. ES / C	Z/N La	t				Local (irid Lo	cation	N		■ E
1/4 of			g				82	609 Fe			1293	Feet W
Facility ID	County	County Co	7.1	Civil To		75						
Sample	Total Depth = 25'-6	н						Soil	Prop	erties		
Number and Type Length Att. & Recovered (in) Blow Counts	Soil/Rock Description And Geologic Origin For Each Major Unit		nscs	Graphic Log	Well Diagram	PID Readings	Pocket Penetrometer	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
5 4 1 / 4 4 2 / 6 4	LEAN CLAY (CL) — medium dark brown, TOPSOIL, trace s thick] LEAN CLAY (CL) — medium brown, moist, very stiff consist SANDY LEAN CLAY (CL) — plasticity, brown, moist, soft co	plasticity, tency	CL		No. of the state o		- 3.7			er//////-		_M
3 / 4 3 3 4	-5 -6 -7 SILTY SAND (SM) — fine to r		CL		0 0 0			*******				-М
4 / 20 10 7 8	grained, non-plastic to low platines, red and brown, moist, lot medium dense relative density little gravel	pose to	SM									✓M
5 / _® 11 9 9 17	= 13 = 14 = 15											~-M

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

Facility/Project Name Dane County No. 2 Landfill Expansion, Eastern Expansion

SES Project Number 506.77

	ng Num	ioer C	P6R	Use only as an attachment to Form 4400	-122.			-	1	Call		ge 2 erties	of	4
Sall	-	ıts	eet					ıgs	ler	301	Frop	erties		
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 Readings	Pocket Penetrometer	Moisture Content	Liquid	Plasticity Index	P 200	RQD/ Comments
			16	SILTY SAND (SM) — fine to medium grained, non-plastic to low plasticity fines, red and brown, moist, loose to medium dense relative density, trace to little gravel (continued)	SM									
	10	10 10 12	18	POORLY-GRADED SAND (SP) — fine to medium grained, brown, moist to wet, medium dense relative density										М
	13/	7 9	22 -23 -24 -25	With gravel at 23'-6"	SP									~W
			-26 -27 -28 -29 -30 -31 -32 -33 -34 -35	NOTES 1. The Legend Record is considered a particle Boring GP6R.	art of	the V	VDNR	Soil	Borin	g Log	Info	rmatio	n for	m(s) for
			-36 -37 -38 -39											

State of Wisconsin Department of Natural Resources Route To:	District IIV		MONTEONNICHER	I coverns		
SES Project Number 506.77	Watershed/Wastewater ☐ Watershed/Wastewater ☐ Ot	her	MONITORING WEL Form 4400-113A	Rev. 7-98		ION
Facility/Project Name	Local Grid Location of Well	- F	Well Name			
Dane County No. 2 Landfill Expansion Facility License, Permit or Monitoring No.		93 ft. W.	GP	6R		
ractify License, Permit or Monitoring No.	Grid Origin Location (estimated: Lat. Long.		Wis. Unique Well No.	DNR Well No	unb	er
Facility ID			Date Well Installed		_	
	St. Plane ft. N, Section Location of Waste/Source	tt. E. S/C/N	$\frac{1}{m} \frac{1}{m} / \frac{1}{d} \frac{2}{d}$	12014		
Type of Well	1/4 of 1/4 of Sec,	T N.D. DW	Well Installed By: Nar	me (first, last) a	nd F	irm
Well Code 51 / gp Distance From Waste/ Enf. Stds.	Location of Well Relative to Waste/Source	ce Gov. Lot Number	Kevin Z	. Hargis		
Source ft. Apply	u □ Upgradient s □ Sidegr d □ Downgradient n □ Not K		Soils & Engineeri	ina Service	s.I	nc
A. Protective pipe, top elevation 88	66.58 ft, MSL	1. Cap and lock?		■ Yes		
	6.48 fi. MSL	2. Protective cover p				
	883.8 ft. MSL	a. Inside diameter	\$	4	0.0	în.
		b. Length:		Steel		
D. Surface seal, bottom 879.3 ft. MSI	L or 4.5 ft.	ACTION		Other		0.4
12. USCS classification of soil near screen:	Marie Control	d. Additional prot		☐ Yes		No
	SW SP CL CH	If yes, describe	X		-	
Bedrock □ OL/OH □ PT □		3. Surface seal:		Bentonite		
13. Sieve analysis attached?	■ No			Concrete Other		01
14. Drilling method used: Rota	ary □ 5 0	4. Material between	well casing and protective		_	
Hollow Stem Aug	ger ■ 4 1			Bentonite		30
Oth	her 🗆	-		Other		
15. Drilling fluid used: Water □ 0.2	■ No ary □ 5 0 ger ■ 4 1 her □ □ □ Air □ 0 1 one ■ 9 9 ■ No		al: a. Granular/Chipp			
Drilling Mud □ 0 3 No	me ■99		nud weight Bentonit nud weight Be			
16. Drilling additives used? ☐ Yes	■ No	d% Bentor	nite Bentonite-	cement grout		50
10. Drilling additives used!	■ No	eFr³	volume added for any o	f the above		
Describe		f. How installed	The state of the s	Tremie		100
17. Source of water (attach analysis):		Material Pr		emie pumped Gravity		
	■ No ary □ 5 0 ger ■ 4 1 her □ □ □ Air □ 0 1 one ■ 9 9 ■ No	6. Bentonite seal:		onite granules		
X-2		/ b. □1/4 in. □	3/8 in. □ 1/2 in. Be	entonite chips		
E. Bentonite seal, top 879.3 ft. MSL		c. None	E 272 - 612 - 1 1 1 2 2	Other		
F. Fine sand, top 879.3 ft. MSI	or 4.5 ft.	7. Fine sand materia a. None	d: Manufacturer, produc	t name and me	sh s	ize
1. The said, top	, til ii.	b. Volume added	E	ð.	=	
G. Filter pack, top 879.3 ft. MSL	or 4.5 ft.		ial: Manufacturer, produ		esh	size
970.0			and and Gravel, #4			
H. Screen joint, top 878.8 ft. MSL	or5.0 ft	b. Volume added		it ³		
I. Well bottom 858.8 ff. MSI	or 25.0 ft	9. Well casing:	Flush threaded PVC Flush threaded PVC			23
			riusii ilileaded r v C	Other		24
J. Filter pack, bottom 858.3 ft. MSL	or25.5 ft.	10. Screen material:	Flush threaded P\	/C schedul	e	
V Parabala barries 858 3	or25.5 ft.	a. Screen Type:	40	Factory cut		11
K. Borehole, bottom 858.3 ft. MSL	or		Co	ontinuous slot		0.1
L Borehole, diameter 6.6 in.		b. Manufacturer	Baker Water Syste	Other ems		
		c. Slot size:	(Monoflex)	0.01	0	in.
M. O.D. well casing 1.32 in.		d. Slotted length:		20	.0	fi.
N. I.D. well casing 1.03 in.		Backfill material	(below filter pack):	None		1 4
N. I.D. well casing 1.03 in.				Other		
I hereby certify that the information on this for	m is true and correct to the heet of my lan-	nwledge				

Signature Craig M. Bower Firm Soils & Engineering Services, Inc. 1102 Stewart Street, Madison, Wisconsin 53713

Tel: 608-274-7600 Fax: 608-274-7511

Please complete both Forms 4400-113A and 4400-113B and return 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. Personnally 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.

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

				Ro	ute To:		/Wastewater on/Redevelopment	Waste M		nent [113	SES Pr	oject Ni	ımber	506.77
															Pag	e 1	of	2
					ne Cou	unty No. 2 I	Landfill Expans	ion, License	/Permit	/Monito	oring N	umber	7.11	Boring	Numb	er		
				nsion Name o	f crew o	chief (first, last	t) and Firm	Date D	rilling S	tarted		D	ate Drill	ing Cor	nnleted		25F	ling Method
	200		largi		4 3 3 5 5	iner (rand, take	, , , , , , , , , , , , , , , , , , , ,		7.4				ic Din	ing con	ipicico		Dan.	ing wenou
Soi WI U						ices, Inc. Well ID No.	Common Well ?		vembe				Nove e Eleva		12, 2		-	SA
WI U	niqu	ie we	ii No		DNR	well ID No.	GP25R		tauc wa	ater Lev	ei	Surrac		iion i.3 Fe	et	Во		Diameter .6 in
) or Boring l	Location		at				Local		cation			7 3 - 7
State	Pla		/4 of			N, Sec. , T	ft. E. S / 6 N, R.	C/14					81	970 F	eet 🗆		1303	Feet W
Facili	ty II	_				County		County (Code	100000000000000000000000000000000000000			Village					
C			_	r			Dane	1	3	City	of M	adisc	on	0.31				
Sai	T					Total	Depth = 28'-6	5"				10	-	Soil	Prop	erties		
Number and Type	Length Att. &	Recovered (in)	Blow Counts	Depth In Feet		And	I/Rock Description Geologic Origin For Each Major Unit		uscs	Graphic Log	Well Diagram	PID Readings	Pocket Penetrometer	Moisture	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
2 3	4 -18 4 -18 4 -18	12.	5 6 8 8 8 8 11	3 - 4 - 5 - 6 - 7 - 7	thick SIL grain fine	AN CLAY (k brown, To k] TY SAND (ined, non-p s, red and ise relative	CL) — medium OPSOIL, trace : (SM) — fine to i blastic to low pla brown, moist, i density, trace t	medium asticity nedium	SM			V		y				∠M ∠M
4	F-18	12.	10 15 50 5 10 16	10 11 12 13	fine low reda rela	to coarse plasticity fi dish-brown ative densit	WITH GRAVEL grained, non-pl ines, brown and , dry to moist, v y	lastic to d very dense	SM					, , , , , , , , , , , , , , , , , , , ,				∠Dry-M

Signature Craig M. Bower Soils & Engineering Services, Inc. Tel: 608-274-7600

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. Printed on 12/9/2014

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

Facility/Project Name Dane County No. 2 Landfill Expansion, Eastern Expansion

SES Project Number 506.77

	ng Num	Der C	1 20	R Use only as an attachment to Form 4400	-122.					Soil		ge 2 erties	OL	-
_	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For	uses	Graphic Log	Well Diagram	PID Readings	Pocket Penetrometer	-		ty.	P 200	RQD/ Comments
7	4-18 L γ γ R	8 8 8 8 12 10 16	16	Each Major Unit SILTY SAND (SM) — fine to medium grained, non-plastic to low plasticity fines, red and brown, moist, medium dense relative density, trace to little gravel (continued)	SM			α.	ď. ď.	O W		In the state of th	<u>a.</u>	~M
			30 31 32 33 34 35 36 37 38	NOTES 1. The Legend Record is considered a page Boring GP25R.	eart of	the W	/DNR	Soil	Borin	g Log	Infor	matio	n for	m(s) for

SES Project Number 506.77 Section Continue Cont	State of Wisconsin Department of Natural Resources Route To:	Wassale 400/access at 1	Was Market Harris	MONITORING WITH CONSTRUCTION
Facility Froject Name	Route 10.		Waste Management ☐ ☐ Other ☐	MONITORING WELL CONSTRUCTION Form 4400-113A Rev. 7-98
Facility (ID		Local Grid Location of Well	307 327	
Lat	Dane County No. 2 Landfill Expansion	81970 ft S. —	201303 ft. W.	GP25R
Facility ID	Facility License, Permit or Monitoring No.	the same of the sa		Wis. Unique Well No. DNR Well Number
String S	Facility ID			Date Well Installed
Well Code 51 gp		St. Plane ft. N,	ft. E. S/C/N	11/12/2014
Distance From Wast2	Type of Well		ΠF	Well Installed By: Name (first last) and Firm
Distance From Waster Post Waster Pos				The second secon
A. Protective pipe, top elevation	Course	u □ Upgradient s □	Sidegradient	S. Carlotte Manager
B. Well casing, top elevation 908.95 ft. MSL 906.3 ft. MSL 906.3 ft. MSL 1. 1. 1. 1. 1. 1. 1. 1		d □ Downgradient n □		
C. Land surface elevation		A Color of the Col		
D. Surface seal, bortoom 901.8 ft. MSL or 4.5 ft.			a Inside diameter	4.0 in
Districts each potton Solice Miss Miss Solice Miss Miss Solice Miss Miss Solice Miss Miss Miss Solice Miss	C. Land surface elevation	906.3 ft. MSL		
12. USCS classification of soil near screen: GP	D. Surface seal, bottom 901.8 ft, MS	Lor 4.5 ft.	c. Material:	
SM SC GW SW SP SM SM SM SM SM SM SM			d Additional prot	
SM		SW □ SP □		
F. Fine sand, top 901.8 ft. MSL or 4.5 ft. 901.8 ft. MSL or 90	SM ■ SC □ ML□ MH□ (CL CH CH CH		
F. Fine sand, top 901.8 ft. MSL or 4.5 ft. 901.8 ft. MSL or 90		🗎	3, Surface seal:	Concrete 0 1
F. Fine sand, top 901.8 ft. MSL or 4.5 ft. 901.8 ft. MSL or 90	A CONTRACTOR OF THE PROPERTY O	■ No		
F. Fine sand, top 901.8 ft. MSL or 4.5 ft. 901.8 ft. MSL or 90		ary 50	4. Material between	
F. Fine sand, top 901.8 ft. MSL or 4.5 ft. 901.8 ft. MSL or 90	The state of the s	her □		
F. Fine sand, top 901.8 ft. MSL or 4.5 ft. 901.8 ft. MSL or 90			5 Annular anges see	
F. Fine sand, top 901.8 ft. MSL or 4.5 ft. 901.8 ft. MSL or 90		Air 🗆 0 1	b, Lbs/gal n	
F. Fine sand, top 901.8 ft. MSL or 4.5 ft. 901.8 ft. MSL or 90	Drilling Mud □ 0 3 No	one ■99	cLbs/gal m	ud weight Bentonite slurry 3 1
F. Fine sand, top 901.8 ft. MSL or 4.5 ft. 901.8 ft. MSL or 90	16. Drilling additives used? ☐ Yes	■ No	d% Bentor	ite Bentonite-cement grout 50
F. Fine sand, top 901.8 ft. MSL or 4.5 ft. 901.8 ft. MSL or 90			eFt²	
F. Fine sand, top 901.8 ft. MSL or 4.5 ft. 901.8 ft. MSL or 90	2 - C Table 1 - C		No Annula	
F. Fine sand, top 901.8 ft. MSL or 4.5 ft. 901.8 ft. MSL or 90	17. Source of water (attach analysis):		Material Pr	
F. Fine sand, top 901.8 ft. MSL or 4.5 ft. 901.8 ft. MSL or 90			6. Bentonite seal:	
F. Fine sand, top 901.8 ft. MSL or 4.5 ft. 901.8 ft. MSL or 90	0010		b. □ 1/4 in. □	3/8 in. □ 1/2 in. Bentonite chips □ 3 2
G. Filter pack, top 901.8 ft, MSL or 4.5 ft. 8. Filter pack material: Manufacturer, product name and mesh size a Red Flint Sand and Gravel, #40 well slot b. Volume added 5.4 ft 9. Well casing: Flush threaded PVC schedule 40 23 Flush threaded PVC schedule 80 24 Other 2 1. Filter pack, bottom 877.8 ft. MSL or 88. Filter pack material: Manufacturer, product name and mesh size a Red Flint Sand and Gravel, #40 well slot b. Volume added 5.4 ft 9. Well casing: Flush threaded PVC schedule 9. 24 Other 2. 40 Other 2. 4	E. Bentonite seal, top 901.8 ft. MSI	or 4.5 ft.		
G. Filter pack, top 901.8 ft, MSL or 4.5 ft. 8. Filter pack material: Manufacturer, product name and mesh size a Red Flint Sand and Gravel, #40 well slot b. Volume added 5.4 ft 9. Well casing: Flush threaded PVC schedule 40 23 Flush threaded PVC schedule 80 24 Other 2 1. Filter pack, bottom 877.8 ft. MSL or 88. Filter pack material: Manufacturer, product name and mesh size a Red Flint Sand and Gravel, #40 well slot b. Volume added 5.4 ft 9. Well casing: Flush threaded PVC schedule 9. 24 Other 2. 40 Other 2. 4	F. Fire and ter 901.8 a ver	45	7. Fine sand materia	: Manufacturer, product name and mesh size
G. Filter pack, top 901.8 ft, MSL or 4.5 ft. 8. Filter pack material: Manufacturer, product name and mesh size a Red Flint Sand and Gravel, #40 well slot b. Volume added 5.4 ft 9. Well casing: Flush threaded PVC schedule 40 23 Flush threaded PVC schedule 80 24 Other 2 1. Filter pack, bottom 877.8 ft. MSL or 88. Filter pack material: Manufacturer, product name and mesh size a Red Flint Sand and Gravel, #40 well slot b. Volume added 5.4 ft 9. Well casing: Flush threaded PVC schedule 9. 24 Other 2. 40 Other 2. 4	r, rine said, top	о п	h Volume added	63
H. Screen joint, top 901.3 ft. MSL or 5.0 ft. Well bottom 881.3 ft. MSL or 25.0 ft. J. Filter pack, bottom 877.8 ft. MSL or 28.5 ft. L. Borehole, diameter 6.6 in. M. O.D. well casing 1.03 in. A Red Flint Sand and Gravel, #40 well slot b. Volume added 5.4 ft³ 9. Well casing: Flush threaded PVC schedule 40 2 3 Flush threaded PVC schedule 80 2 4 Other 2 L. Borehole, bottom 877.8 ft. MSL or 28.5 ft. Continuous slot 0 1 Other 2 L. Borehole, diameter 6.6 in. M. O.D. well casing 1.03 in. A Red Flint Sand and Gravel, #40 well slot b. Volume added 5.4 ft³ 9. Well casing: Flush threaded PVC schedule 80 2 4 Other 2 Other 3 Continuous slot 0 1 Other 3 L. Baker Water Systems c. Slot size: (Monoflex) 0.010 in. d. Slotted length: 20.0 ft 11. Backfill material (below filter pack): None 1 4 N. I.D. well casing 1.03 in.	G. Filter pack, top 901.8 ft. MSL	or 4.5 ft.		
I. Well bottom 881.3 ft. MSL or 25.0 ft. J. Filter pack, bottom 877.8 ft. MSL or 28.5 ft. Screen material: Flush threaded PVC schedule 80 24				and and Gravel, #40 well slot
I. Well bottom 881.3 ft. MSL or 25.0 ft. J. Filter pack, bottom 877.8 ft. MSL or 28.5 ft. K. Borehole, bottom 877.8 ft. MSL or 28.5 ft. L. Borehole, diameter 6.6 in. M. O.D. well casing 1.32 in. N. I.D. well casing 1.03 in.	H. Screen joint, top 901.3 ft. MSI	or5.0 ft.		
J. Filter pack, bottom 877.8 ft. MSL or 28.5 ft. K. Borehole, bottom 877.8 ft. MSL or 28.5 ft. L. Borehole, diameter 6.6 in. M. O.D. well casing 1.32 in. N. I.D. well casing 1.03 in.	T Well batters 881.3 g Mgr	25.0 .	9. Well casing:	
J. Filter pack, bottom 877.8 ft, MSL or 28.5 ft. K. Borehole, bottom 877.8 ft, MSL or 28.5 ft. L. Borehole, diameter 6.6 in. M. O.D. well casing 1.32 in. N. I.D. well casing 1.03 in.	i. Well bottom	or II		
K. Borehole, bottom 877.8 ft, MSL or 28.5 ft. L. Borehole, diameter M. O.D. well casing 1.32 in. A. Screen Type: 40 Factory cut ■ 1.1 Continuous slot □ 0.1 Other □ ■ b. Manufacturer Baker Water Systems (Monoflex) c. Slot size: (Monoflex) d. Slotted length: 1. Backfill material (below filter pack): None ■ 1.4 Other □ ■	J. Filter pack, bottom 877.8 ft. MSI	or28.5 ft	10 Screen material:	Flush threaded PVC schedule
K. Borehole, bottom L. Borehole, diameter M. O.D. well casing 1.32 in. Continuous slot 01 Other 5 b. Manufacturer Baker Water Systems c. Slot size: (Monoflex) d. Slotted length: 1. Backfill material (below filter pack): None 14 Other 5 None 14 Other 5			NAME OF THE PARTY	40
L. Borehole, diameter 6.6 in. b. Manufacturer Baker Water Systems c. Slot size: (Monoflex) 0.010 in. d. Slotted length: 20.0 ft. N. I.D. well casing 1.03 in. 1.03 in. C. Slot size: (Monoflex) 0.010 in. D. Backfill material (below filter pack): None ■ 14 Other □	K. Borehole, bottom 877.8 ft. MSL	or 28.5 ft.		
M. O.D. well casing 1.32 in. c. Slot size: (Monoflex) 0.010 in. d. Slotted length: 20.0 ft. N. I.D. well casing 1.03 in. c. Slot size: (Monoflex) 0.010 in. l. Slotted length: None ■ 14 Other □	1 name 1 di 66 -		////	Other
M. O.D. well casing 1.32 in. d. Slotted length: 20.0 ft. N. I.D. well casing 1.03 in: N. I.D. well casing 1.03 in:	L. Borenoie, diameter m.	VIII.		
N. I.D. well casing 1.03 in: None ■ 14 Other □ □	M. O.D. well casing 1.32 in			
N. I.D. well casing 1.03 in.				1 1 2 20
I hereby certify that the information on this form is true and correct to the heat of my brounds have	N. I.D. well casing 1.03 in			
	I hereby certify that the information on this for	em is true and somestic that	Carry beautiful I	

Signature

Firm Soils & Engineering Services, Inc.

Firm Soils & Engineering Services, Inc.

1102 Stewart Street, Madison, Wisconsin 53713

Please complete both Forms 4400-113A and 4400-113B and return 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 is not constant. a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personnally 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.

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

			Ro	ute To:	11 december of	Wastewater ☐ n/Redevelopment ☐	Waste N Other		nent 🗌				16	SES Pr	oject Ni	mber	506.77
														Pag	ge 1	of	2
	ty/Project stern E			ne Cou	nty No. 2 L	andfill Expansion	on, License	e/Permit	/Monito	oring N	umber	11.	Boring	Numb		26F)
				f crew c	hief (first, last)	and Firm	Date D	rilling S	tarted		Da	te Drill	ing Cor	npleted			ling Method
	vin Z. I			Sarvio	ces, Inc.		No	vembe	ar 12	2014		Nove	mber	12.2	014	u	SA
	nique W				Well ID No.	Common Well N		tatic Wa				e Eleva		12, 2			Diameter
Local	Grid Or	inin [(action	antady [) or Boring L	GP26R		Dr	у				.4 Fe			6	.6 in
	Plane			ft. N	,	ft. E. S/C	/N 1	at		_							E
Es ett		1/4 of		1/4 of S	ec, T.	N, R	E/W Lo		lon-ma		Vi. I			eet 🗌	s 20	1302	Feet W
Facili	ly ID				County	Dane	County C		1 4 A A		ity/ or adiso						
Sai	nple				Total	Depth = 25'-6'				- =			Soil	Prop	erties		
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet		Soil/And G	Rock Description eologic Origin For ach Major Unit		uses	Graphic Log	Well Diagram	PID Readings	Pocket Penetrometer	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	81 12√ ¥	. 5 . 5 . 5	1 2 3	thick LEA brow	N CLAY (C brown, TO [] N CLAY (C vn, dry to m	CL) — medium p PSOIL, trace so CL) — medium p oist, hard conso CLAY (CL) — r	and-[6" plasticity, istency	CL		A. A.		-6,0+					∠-Dry-M
2	18	5 7 16	5	plas cons	ticity, browr sistency	n, moist, hard		CL				6.0+					∠ М
3	81-18	5 6 11	7	grain fines med	ned, non-pl s, red and b	SM) — fine to mastic to low plastic to low plastrown, dry to more relative density	sticity oist,	SM									∠Dry-M
4	10	10 20 26	10	fine low	to coarse g plasticity fin	VITH GRAVEL trained, non-pla nes, brown and relative density	stic to gray, dry	SM									,~Dry-M
5	<u>∞</u> 12√	9 9 10	12 13 14 15	grain fine:	ned, non-pl s, red and b se relative (SM) — fine to mastic to low plas orown, moist, m density, trace to	sticity edium	SM									- м

Signature Craig M. Bower

Soils & Engineering Services, Inc.

Tel: 608-274-7600

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. Printed on 12/9/2014

SOIL BORING LOG INFORMATION SUPPLEMENT

SES Project Number 506.77

Facility/Project Name Dane County No. 2 Landfill Expansion, Eastern Expansion

Boring Number GP26R Use only as an attachment to Form 4400-122. Page 2 of 2 Sample Soil Properties Length Att. & Recovered (in) PID Readings Depth In Feet Blow Counts Penetrometer Comments Soil/Rock Description Moisture Diagram Plasticity Content Graphic Pocket SC Liquid Limit And Geologic Origin For Index P 200 Well Each Major Unit SILTY SAND (SM) — fine to medium grained, non-plastic to low plasticity fines, red and brown, moist, medium dense relative density, trace to little gravel (continued) 18 -19 6 10 15 -20 SM -21 22 -23 24 12 13 12 26 NOTES 27 1. The Legend Record is considered a part of the WDNR Soil Boring Log Information form(s) for Boring GP26R. -28 -29 -30 -31 32 -33 34 35 -36 -37 -38

State of Wisconsin Department of Natural Resources Route To:	Watershed/Wastewater	West- Wessell	A.T.	MONITORING WEI	I CONCEDU	OTION
SES Project Number 506.77	Remediation/Redevelopmen	Waste Manageme	I	MONITORING WEL Form 4400-113A	Rev. 7-98	
Facility/Project Name	Local Grid Location of Well	204200 F		Well Name		
Dane County No. 2 Landfill Expansion Facility License, Permit or Monitoring No.		201302 ft. W		GP2	26R	
racinty License, Perin 1 or Monitoring No.	Grid Origin Location (esti			Wis. Unique Well No.	DNR Well Nu	ımber
Facility ID	Lat.		0.00000	Date Well Installed		
	St. Plane ft. N Section Location of Waste/Sou	rce ft. E	S/C/N	$\frac{1}{m} \frac{1}{m} \frac{1}{d} \frac{2}{d}$ Well Installed By: Nar	12014	
Type of Well			DE	Well Installed By: Nar	me (first last) ar	ad Firm
Well Code/	1/4 of 1/4 of Sec Location of Well Relative to W	Z, TN, R.	Lot Number	Kevin Z		66 600
Distance From Waste/ Source ft. Enf. Stds. Apply		☐ Sidegradient	-, v ₁₀ , v ₁₀ , v ₁₀ , v ₁ ,	Soils & Engineer		s Inc
A. Protective pipe, top elevation 90	01.86 ft. MSL		p and lock?		■ Yes	
	01.76 ft. MSL	2. Pro	ntective cover pi	pe:	- 103	L 110
			Inside diameter:		4.	0 in.
C. Land surface elevation8	899.4 ft. MSL		Length:		5.	0 ft.
D. Surface seal, bottom 894.9 ft. MS	Lor 4.5 ft	15.25.21 C. N	Material:			0.4
12. USCS classification of soil near screen:			Additional prote	etia=0	Other	
[[^ ^ ^] 다양 [[] []	SW □ SP □			ction?	☐ Yes	- No
SM ■ SC □ ML□ MH□ (CL CH CH C				Bentonite	■ 30
Bedrock □ OL/OH □ PT □		3, Sur	rface seal:		Concrete	
13. Sieve analysis attached? ☐ Yes	■ No	₩ \ -			Other	
14. Drilling method used: Rota	ary □50	4. Ma	iterial between w	vell casing and protecti	ve pipe:	
Hollow Stem Aug	ger ■ 4 1				Bentonite	3 0
- 00	her 🗆 💷	₩ -			Other	
15. Drilling fluid usea. Water □ 0 2	Air □01	5. An	nular space seal:	a. Granular/Chipp	ed Bentonite	□ 33
Drilling Mud □ 0 3 No	one ■ 99	₩ n. —	Lbs/gal mu	id weight Bentonia	te-sand slurry	□ 35
VI P W. IV WALLEY		₩ d	Los/gai mit	nd weight Be te Bentonite-	ntonite sturry	□ 31 □ 50
16. Drilling additives used? ☐ Yes	■ No	8 8 e		olume added for any o		LI 30
Describe		8 8 f	How installed:	C	Tremie	□ 01
17. Source of water (attach analysis):			No Annular	Space Seal Tr	emie pumped	
17. Source of water (attach analysis).		₩ ₩	Material Pro	ovided	Gravity	□ 08
		A 144	ntonite seal:	a. Bento	onite granules	□ 33
E. Bentonite seal, top 894.9 ft. MSI	or 4.5 ft.	∅	□ 1/4 in. □ 3/ None	/8 in. □ 1/2 in. Be		ALC: U
E. Bentonite sear, top it. MSI				Manufacturer, produc	Other	
F. Fine sand, top 894.9 ft. MSI	or 4.5 ft	7. Fin a. <u>N</u> b. N 8. Filt	None	Manufacturer, produc	t name and mes	an size
		₩ / b.\	Volume added	f	13	- ==
G. Filter pack, top 894.9 ft. MSI	or 4.5 ft.	8. Filt		l: Manufacturer, produ		esh size
001		a F	Red Flint San	nd and Gravel, #4	0 well slot	
H. Screen joint, top 894.4 ft. MSL	or5.0 ft.	b. V	Volume added	4.7 f	t³	
I, Well bottom 874.4 ff. MSL	25.0	9. We	ell casing:	Flush threaded PVO		23
I. Well bottom 874.4 ft MSI	or <u>25.0</u> ft.			Flush threaded PVO		□ 24
J. Filter pack, bottom 873.9 ft. MSL	or 25.5 H		The second second second	Flush threaded P\	/C schodule	
T. MOI		1 (CONTROL OF CONTROL		10		-
K. Borehole, bottom 873.9 ft. MSI	or 25.5 ft.	////// a	Bereen Type,		Factory cut	
					Other	1000
L. Borehole, diameter 6.6 in			and the second s	Baker Water Syst	ems	
122			Diet Siee.	Monoflex)	0.01	0 in.
M. O.D. well casing 1.32 in.			Slotted length:		_20.	0 ft.
N. I.D. well casing 1.03 in.		11. Bac	ckfill material (b	pelow filter pack):		14
TV III WEII CASHING		_			Other	Ш
I hereby certify that the information on this for	rm is true and correct to the best	of my knowledge				

Signature Craig M. Bower Firm Soils & Engineering Services, Inc. 1102 Stewart Street, Madison, Wisconsin 53713

Tel: 608-274-7600

Please complete both Forms 4400-113A and 4400-113B and return 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. Personnally 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.

	ment of		al Reso	urces								BOR 400-122		LOG		RM A v. 7-98	ATION
			Ro	ate To:		Wastewater □ n/Redevelopment □	Waste M Other		ment 🗌					SES Pr	oject Ni	ımber l	506.77
														Pag	ge 1	of 2	2
				e Cour	nty No. 2 L	andfill Expansion,	License	/Permit	/Monito	ring N	umber		Boring	, Numb		070	
	tern E			f crew ch	nef (first, last)	and Firm	Date Dr	illing S	tarted		Do	te Drill	ing Cor	mlěted		27R	ng Method
Ste	ve J. H	lung	er		es, Inc.	and I sin			er 5, 2	2014				r 5, 2		HS	
	nique W				Vell ID No.	Common Well Name GP27R	Final St	atic Wa	ater Leve	el		e Eleva 877	tion .0 Fe	et			Diameter 6 in
	Plane			ft. N.) or Boring L	ocation		at	-	-		Local (1295	■ E Feet □ W
Facilit		1		10	County		County C	All and the second	Civil T	own/C	ity/ or	Village					****
						Dane	13	3	City	of Ma	adisc	n					
Sar	nple				Total	Depth = 25'-6"						1 - 1	Soil	Prop	erties		
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet		Soil/ And G	Rock Description Jeologic Origin For ach Major Unit		uscs	Graphic Log	Well Diagram	PID Readings	Pocket Penetrometer	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			3 -4 -5 -6 -7 -8 -10 -11	dark thick] LEAI brow cons SILT grain fines	brown, TO N CLAY (Con, organic istency Y SAND (Some of the control of the con	(L) — medium plast (PSOIL, trace sand (PSOIL) — medium plast odor, moist, very state (PSOIL) — fine to medium plastic to low plasticitorown, moist, medium plasticy, trace to little density, trace to little	-[6" ticity, tiff um ty im	CL				o roue					

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

Signature

Craig M. Bower

Soils & Engineering Services, Inc.

Tel: 608-274-7600 Fax: 608-274-7511

1102 Stewart Street Madison, Wisconsin 53713 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. Printed on 12/9/2014

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

Facility/Project Name Dane County No. 2 Landfill Expansion, Eastern Expansion

SES Project Number 506.77

Sample	o I	GP27	R Use only as an attachment to Form 440						Soi		age 2 perties		
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 Readings	Pocket Penetrometer	Moisture Content	Liquid	Plasticity Index	P 200	RQD/ Comments
		16 17 18 19 20 21 22 23	SILTY SAND (SM) — fine to medium grained, non-plastic to low plasticity fines, red and brown, moist, medium dense relative density, trace to little gravel (continued)	SM									
		26 27 28 29 30 31 32 33 34 35 36 37 38 39	NOTES 1. Boring GP27R completed by blind distratification specifics. 2. The Legend Record is considered a Boring GP27R.			-	ti f						

State of Wisconsin Department of Natural Resources Route To:	W. S. J. DW.	T News			e primi	
SES Project Number 506.77 Facility/Project Name	Remediation/Re	development Other	anagement	MONITORING WE Form 4400-113A	Rev. 7-98	CTION
	Local Grid Locatio		■ E.	Well Name		
Dane County No. 2 Landfill Expansion Facility License, Permit or Monitoring No.	Grid Origin Locati	t. S. 201295 on (estimated:)	ft. W. Well Location	GF	27R	
and a state of the	The state of the s	Long.		Wis. Unique Well No	DNR Well Nu	mber
Facility ID				Date Well Installed		
	Section Location o	fl. N,	ft. E. S/C/N	1 1 / 0 5	$\frac{1}{2} \frac{0}{y} \frac{1}{y} \frac{4}{y}$	
Type of Well	the state of the s		□E.	Well Installed By: No	ame (first last) ar	nd Firm
Well Code51/_gp_	1/4 of	, T, T	N, R. W	the state of the s	J. Hunger	
Distance From Waste/ Source Enf. Stds. Apply	u Upgradien					_
H,,	d Downgrad	ient n 🗆 Not Known	1	Soils & Enginee	ring Services	s, Inc.
A. Protective pipe, top elevation 87	9.44 ft. MSL -		_ 1. Cap and lock?		■ Yes	□ No
B. Well casing, top elevation 87	9.34 ft. MSL -		2. Protective cover p		4	n
	77.0 ft. MSL ~		a. Inside diameter	2	-4.	0 in. 0 ft.
			b. Length:			
D. Surface seal, bottom 872.5 ft. MSI	Lor 4.5 ft.		C. Iviateriai.		Steel Other	Teathorise
12. USCS classification of soil near screen:		PARTITION AND AND AND AND AND AND AND AND AND AN	d, Additional prot	ection?	☐ Yes	
	SW 🗆 SP 🗆	/ / / /		ti		- 1,0
SM ■ SC □ ML □ MH □ C Bedrock □ OL/OH □ PT □	CL CH CH C	* * '	3. Surface seal:		Bentonite	3 0
13. Sieve analysis attached?	= 200		5. Surface sear.		Concrete	01
	■ No	■ ■ `	\		Other	
14. Drilling method used: Rota	A		4. Material between	well casing and protect	and the second second second	
Hollow Stem Aug	her 🗆				Bentonite	3 0
- 00	ici Li		- 0 92		Other	
15. Drilling fluid used: Water □ 0 2	Air 🗆 0 1		- 5. Annular space sea	al: a. Granular/Chip	oped Bentonite	□ 33
Drilling Mud □ 0 3 No	me ■99		ULos/gai ti	nud weight Benton	ate-sand slurry	□ 35
IC BOTTO INC. IN ISSUE	1 2		d. % Bentor	nite Bentonite	entonite sturry	□ 50
16. Drilling additives used? ☐ Yes	■ No		eFt³	volume added for any	of the above	U 3 (
Describe			f. How installed	i e	Tremie	01
17. Source of water (attach analysis):		₩ ₩	No Annula	r Space Seal T	remie pumped	□ 02
Construction (united analysis).			Material Pr	ovided	Gravity 1	□ 08
_			Action of Action Advantage of Actions	a. Ben	tonite granules 1	□ 33
E. Bentonite seal, top 872.5 ft. MSL	or 4.5 ft			3/8 in. □ 1/2 in. □		
E. Bentonite seal, top 872.5 ft. MSL	or 4.5 ft.					
F. Fine sand, top 872.5 ft. MSL	or 4.5 ft.		a. None	l: Manufacturer, produ	ict name and mes	sh size
T. Title States, top	. Or II.		b. Volume added		ft ³	
G. Filter pack, top 872.5 ft. MSL	or 4.5 ft.			al: Manufacturer, prod		als aires
			a Red Flint Sa	and and Gravel, #	40 well slot	SII SIZE
H. Screen joint, top 872.0 ft. MSL	or 5.0 ft.		b. Volume added	and the same	ft ³	
950 0	- 1222		9. Well casing:	Flush threaded PV		23
I. Well bottom 852.0 ft. MSL	or25.0 ft.			Flush threaded PV		□ 24
851.5	25.5				Other I	
J. Filter pack, bottom 851.5 ft. MSL	or <u>25.5</u> ft.			Flush threaded P	VC schedule	
K. Borehole, bottom 851.5 ft. MSL	25.5		a. Screen Type:	40	Factory cut	
K. Borenoie, Bottoni	or <u>25.5</u> ft.			C	Continuous slot	34.060
L. Borehole, diameter 6.6 m.			h Manufacture	Baker Water Sys	tems Other	
			 b. Manufacturer c. Slot size; 	(Monoflex)		0 in.
M. O.D. well casing 1.32 in.			d. Slotted length:		20.	0 ft.
		1	The second secon	(below filter pack):	None I	
N. I.D. well casing 1.03 in.				The Flanck	Other I	To be determined
					1 1/2/77	
I hereby certify that the information on this for	m is true and correc	et to the best of my knowledg	e,			

Signature

Firm Soils & Engineering Services, Inc.

Firm Soils & Engineering Services, Inc.

1102 Stewart Street, Madison, Wisconsin 53713

Please complete both Forms 4400-113A and 4400-113B and return 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. Personnally identifiable information on these forms is not considered forms should be sent. intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

SOIL BORING LOG INFORMATION

Resources

Route To: Watershed/Wastewater
Remediation/Redevelopment
Other
Ot

Facility/Project Name License/Permit/Monitoring Number Boring Number 2010	Page	
D G + 1 151131 2 D + 511 2521 2521 2521 2521 2521 2521 252		1 of 2
Dane County Landfill No. 2 Rodefeld SCS#: 25217087.02 3018 M-17.		
Boring Drilled By: Name of crew chief (first, last) and Firm Date Drilling Started Date Drilling Completed		illing Method
Tony Kapugi On-site Environmental Services, Inc. 6/30/2020 6/30/2020		nollow stem
WI Unique Well No. DNR Well ID No. Common Well Name Final Static Water Level Surface Elevation	Borehole	uger e Diameter
WB260 166 M-17AR Feet MSL 886.05 Feet MSL		8.25 in.
Local Grid Origin (estimated:) or Boring Location \(\sum_{\text{No.1}} \) [Local Grid Location \(\sum_{No	-	
State Plane 380,565 N, 2,201,316 E S/C/\(\infty\) Lat		Feet E
SE 1/4 of NE 1/4 of Section 25, T 7 N, R 10 E Long "" "" S Facility ID County County Code Civil Town/City/ or Village		□ W
113127300 Dane 13 Madison		
Sample Soil Proper	ties	
⊗ .Ξ		
And Geologic Origin For	>	nts
Number and Type Length Att. & Recovered (in) Blow Counts U S C S U S C S Graphic Liquid Liquid Liquid Liquid Liquid Liquid Liquid Length Att. & Recovered (in) Blow Counts Recovered (in) Blow Counts Counts Recovered (in) Blow Counts Counts Counts Recovered (in) Blow Counts Counts Counts Liquid Li	Plasticity Index P 200	D/ nme
Number and Type Length Att. Recovered (Blow Count Blow Count Caraphic Log Well Diagram PID/FID Liquid Limit Number Browcered (Browcovered (Countent Liquid Li	Flastic Index P 200	RQD/ Comments
Blind drilled to 31 feet. See M-17BR boring log for lithology.		

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

Signature Jackis Rennsbohm

Firm SCS Engineers

Tel: Fax:

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

SOIL BORING LOG INFORMATION SUPPLEMENT Form 4400-122A

Boring Number	M1	7AR Use only as an attachment to Form 4400-	122.		_					Page	2 of 2
Sample							Soil	Prope	rties		
Number and Type Length Att. & Recovered (in) Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
	-16 -17 -18 -19 -20 -21 -22 -23 -24 -25 -26 -27 -28 -30 -31	End of Boring at 31 feet. Set well M17AR at 30 feet.									

	Watershed/Wastewater Remediation/Redevelopm			MONITORING WELL Form 4400-113A	CONSTRUCTION Rev. 7-98
Facility/Project Name	Local Grid Location of	Well		Well Name	
- ····································	Local Grid Location of V	_ft. □ N.	ft. 🛮 E. W.		
Facility License, Permit or Monitoring No	Local Grid Origin (estimated: 🔲) or	Well Location	Wis. Unique Well No.	DNR Well ID No.
Facility ID	St. PlaneSection Location of Was	_ ft. N,		Date Well Installed	d d / v v v v
Type of Well		of SecT.	_ N, R	Well Installed By: Nam	e (first, last) and Firm
Well Code/	1/4 of 1/4 of		Gov. Lot Number		
Distance from Waste/ Enf. Stds.	u Upgradient	s Sidegradient			
Sourceft. Apply _	d Downgradient	n 🗆 Not Known			
A. Protective pipe, top elevation	ft. MSL ——		I. Cap and lock?		☐ Yes ☐ No
• • •	ft. MSL		 Protective cover page 1. Inside diameter 	· -	in.
C. Land surface elevation	ft. MSL _		b. Length:		ft.
	- Transport		c. Material:		Steel 🔲 04
D. Surface seal, bottom ft. M	ISL or ft.				Other 🗆 🚆
12. USCS classification of soil near scre	en:	A Market	d. Additional pro	tection?	☐ Yes ☐ No
	sw □ sp □ \	(# <u> </u>	If yes, describ	e:	
_	CL CH CH C	/# P\$ / /	7 Daniel 1		Bentonite □ 30
Bedrock □			3. Surface seal:		Concrete D 01
13. Sieve analysis performed?	Yes □ No				Other 🗆 💹
14. Drilling method used:	otary 🗆 50		4. Material between	well casing and protective	e pipe:
Hollow Stem A	uger □ 41				Bentonite □ 30
	Other 🗆 🏬 📗				Other 🗆 🏬
	_		5. Annular space se	al: a. Granular/Chipped	
15. Drilling fluid used: Water □ 0 2	Air 0 0 1		bLbs/gal r	nud weight Bentonite-	sand slurry □ 35
Drilling Mud □ 0 3	None □ 99			nud weight Bento	
16. Drilling additives used?	Yes □ No			ite Bentonite-ce	
10. Diming additives used:	102 🗆 140		eFt	ovolume added for any of	f the above
Describe			f. How installed		Tremie 🔲 01
17. Source of water (attach analysis, if red				Tremi	ie pumped 🛭 02
17. Boules of Water (attack analysis, if ice	lunou).			.	Gravity 0 08
			6. Bentonite seal:		te granules 33
	ют А		b. □1/4 m. □	3/8 in. □ 1/2 in. Bent	
E. Bentonite seal, topft. M	SL or 11.		с		Other 🗆 🚆
F. Fine sand, top ft. M	SL or ft.		7. Fine sand materi	al: Manufacturer, produc	t name & mesh size
	32 or	 	2		
G. Filter pack, top ft. M	SL or ft.		b. Volume added	ı ft ³	
o. The pack, top				ial: Manufacturer, produc	
H. Screen joint, top ft. M	SL or ft.		a	iai. Manaidelaioi, produc	A Harrie & Hiest 622
• • •			b. Volume adde	ift ²	5
I. Well bottom ft. M	SL or ft.		9. Well casing:	Flush threaded PVC sch	nedule 40 🔲 23
			_	Flush threaded PVC sch	nedule 80 🗆 24
J. Filter pack, bottom ft. M	SL or ft.				Other 🛘 🏬
•		1	0. Screen material:		
K. Borehole, bottom ft. M	SL or ft.		a. Screen type:	F	Factory cut 11
					nuous slot 🔲 01
L. Borehole, diameter in.		1			Other 🗆
		\	b. Manufacturer		
M. O.D. well casing in.			c. Slot size:		0 in.
		\	d. Slotted length	:	ft.
N. I.D. well casing in.		1	1. Backfill material	(below filter pack):	None □ 14
-					Other 🗆 💆
I hereby certify that the information on th	is form is true and correct	to the best of my kno	wledge.		
Signature Jackie Rennebohm	Firm				
Juckeu runnusonin					

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.

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

Route to: Watershe	d/Waste	water	Waste Manag	gement 🔲		
Remediat	ion/Red	evelopment 🗍	Other			
Facility/Project Name		County Name		Well Nar	ne	
Facility License, Permit or Monitoring Numbe	r	County Code	Wis. Unique	 	DNR W	ell ID Number
1. Can this well be purged dry?	□ Ye	es 🗆 No	11. Depth to		Developmen	at After Development
2. Well development method			(from top o	w	ft.	ft.
surged with bailer and bailed		1 1	well casing	g)		
surged with bailer and pumped		5 1				
surged with block and bailed		‡ 2	Date	b/_	/	
surged with block and pumped				m m	ddyy	$\frac{1}{y} \frac{1}{y} \frac{1}{m} \frac{1}{m} \frac{1}{d} \frac{1}{d} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y}$
surged with block, bailed and pumped		7 0			□ a.m.	a.m. : p.m.
compressed air		2 0	Time	c : _	D.m.	: p.m.
bailed only	_	1 0	l			
pumped only		5 1	12. Sediment i	in well	inches	inches
pumped slowly Other		5 0	bottom 13. Water clar		1 10	Clear 20
3. Time spent developing well		min.		Turbid C		Turbid □ 25 (Describe)
4. Depth of well (from top of well casisng)		ft.			_	
5. Inside diameter of well		in.				
6. Volume of water in filter pack and well casing		gal.				:
		gal.	Fill in if drilling	ng fluids were use	d and well is	at solid waste facility:
8. Volume of water added (if any)		gal.	14. Total susp solids	oended	— · — ^{mg/l}	mg/l
9. Source of water added			15. COD		mg/l	mg/l
			16 Well daye	loped by: Name (fir	est lost) and Fin	
10. Analysis performed on water added? (If yes, attach results)	□ Y	es 🗆 No	First Name:	roped by. Name (m	Last Nar	
			Firm: BT ² ,	INC.		
17. Additional comments on development:						
Name and Address of Facility Contact /Owner/Ro First Last Name: Name:	-	le Party	I hereby cer of my know		information	is true and correct to the best
Facility/Firm:			Signature:	Jackie Rennebohm		
Street:			Print Name:_			
City/State/Zip:			Firm: E	BT ² , INC., 2830 DA	IRY DRIVE, I	MADISON, WI 53718

SOIL BORING LOG INFORMATION

Form 4400-122 Route To: Watershed/Wastewater Waste Management

				Remediation	n/Redevelopment		Other										
																Page	1 of 3
Facility	-						License/I	Permit/	Monito	ring Nu	ımber		Boring				
				No. 2 Rodefeld	SCS#: 252170	87.02	3018	1: C.	1		ID.	D :11:		M-17	BK	TD 111	
			Name o	f crew chief (first, last)	and Firm		Date Dril	ling Si	arted		Dat	te Drilli	ng Con	npietea			ing Method
	y Kap site F		nment	al Services, Inc.				6/29	/2020				6/30/2	020			llow stem ger
WI Un				DNR Well ID No.	Common Well	Name	Final Sta				Surface	e Elevat		.020	Во		Diameter
	-	575		168	M-17B	R.]	Feet I	MSL		88	86.10	Feet N	MSL		8.	.25 in.
Local (rigin		stimated:) or Bo			1 ,		0	,	,,	Local C	irid Loc	cation	<u> </u>		
State F				,559 N, 2,201,310			La	t					Feet	\square N]	Feet 🗌 E
SE		of N	IE 1	/4 of Section 25,	T 7 N, R 1		Long			<u> </u>		****		\Box S			<u></u> □ W
Facility	лD 12730	00		County			County Co	de	Mad	own/Ci	ity/ or \	/illage					
				Dane			13		Mad	ISOn			C - 11	D	4:		
Sam	•												5011	Prope	rues		
	Length Att. & Recovered (in)	ıts	eet		Rock Description												_
be	Att ered	Jour	In F		Geologic Origin Fo	r		S	၁	B		rd atioi	2 ±		ity		ents
Number and Type	Length Att. Recovered (Blow Counts	Depth In Feet	E	ach Major Unit			SC	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	200	RQD/ Comments
an N	Le Re	Bla	<u>D</u>					Ď	Grap Log	Well Diagr		Sta Pe	≱ రి	E E	Pla Inc	P 2	<u>×3°</u>
			F	ORGANIC SILT, bro				OL									
			\mathbb{F}_1	LEAN CLAY, brown	ı (7.5YR 4/3), (fill	l).											
			E														
			-2					CL									
	36		E									4.0	M				Geoprobed to 45
			-3	POORLY GRADED	SAND, brown (7	7.5YR 5	5/4) to										feet then overdrilled using
			1 2 3	light brown, fine to n	nedium, (fill).												4.25" hollow stem augers.
			F ⁴														
Ш			_5														
			E														
			<u>-</u> 6					SP									
			E														
			- 7														
	39		-6 -7 -8	Trace gravel.									M				
			F														
			<u>-</u> 9					L									
				POORLY GRADEI (5YR 3/3), fine to me													
Н			-10	()	, , , , , , , , , , , ,	, , (· /										
			E														
			E-11														
			+ 12					C.D.									
	10		12					SP					***				D 1
	10		-13										W				Depth to water ~9 feet
			Ē,														
			14														
			E														
<u> </u>			<u>⊢15</u>	rmation on this form is			. 0 1	L.,	Programme								

Signature ackie Rennebohm Firm SCS Engineers

Tel: Fax:

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

SOIL BORING LOG INFORMATION SUPPLEMENT Form 4400-122A

<u>Borin</u>	g Numb	oer	M1	7BR Use only as an attachment to Form 4400-1	22.	T T			Q 11		.•	Page	2 of 3
_San	nple			Call/Dada Danadad					Soil	Prope	rties		-
	tt. & d (in	ınts	Feet	Soil/Rock Description And Geologic Origin For				l uc					3
ber Гуре	th A	/ Cot	h In	Each Major Unit	S S	hic		dard	ture	lä †	icity «)/ men1
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	J	USC	Graphic Log Well	Diagram PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			F										
			16										
			17										
	0								W				No recovery.
									''				No recovery, sand washed out of geoprobe sleeve.
			19										sieeve.
			E										
			= 20		SP								
			21										
	30		E						W				
			23										
			25		L								
			E 23	SILTY SAND, reddish gray (2.5YR 6/1), fine, trace small rounded gravel, (till).									
			- 26										
			27										
	35		E 20						W			40.4	
			-28										
			— /u										
	-		30										
			F 2.1										
			=31		SM								
			= 32										
	10		_33						W				
			E										
			=34										
			35										
			36										
			E										
	45		=37		L				w				
	"		E-38	POORLY GRADED SAND, reddish gray (2.5YR 6/1), fine to medium, trace silt and small rounded gravel, (till).					**				
			= 39	gravel, (till).	SP								
			E-40										
_	1 1		⊢ 40			175145			I				

SOIL BORING LOG INFORMATION SUPPLEMENT Form 4400-122A

Boring	g Numl	er	M1′	7BR Use only as an attachment to Form 4400-1	22.								Page	3 of 3
San	nple									Soil	Prope			
	Length Att. & Recovered (in)	nts	eet	Soil/Rock Description										
er ype	h Ati 'ered	Com	In F	And Geologic Origin For	S	i.	am		ard	ure		city		nents
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Each Major Unit	SC	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	200	RQD/ Comments
<u>a N</u>	L			Same as above but brown (7.5YR 5/4) and fine to	n			<u> </u>	S	20		P Ib	Ь	<u> </u>
			-41	coarse.										
			= "1											
			42											
	20		<u>-</u> 43							W				Geoprobe core barrel sandlocked.
			Ė ,,											
			- 44											
			45		an.									
			- 46		SP									
			E 47											
			-47											
			48										37.6	
			- -49											
			E .											
			- 50											
L			-51	End of Boring at 51 feet. Set well M17BR at 49 feet.										

	Vatershed/Wastewater	Waste Manageme		MONITORING WEL Form 4400-113A	L CONSTRUCTION Rev. 7-98
	Local Grid Location of Well			Well Name M-17BR	
Facility License, Permit or Monitoring No.	Local Grid Origin (estin	mated: or Well	Location or	Wis. Unique Well No. VT575	DNR Well ID No. 168
Facility ID	St. Plane 380,559.85 ft.	N , 2,201,316.33 f	t. E. S/C/N	Date Well Installed	/ 30 / 2020
113127300	Section Location of Waste/So			m m	ame (first, last) and Firm
Type of Well Well Code 12 / pz	SE _{1/4 of NE 1/4 of Sec}			Tony Kapugi	inic (msi, last) and I min
Distance from Waste/ Enf. Stds.	Location of Well Relative to u X Upgradient s	Waste/Source Gov. Sidegradient	Lot Number		
Source 600 ft. Apply	d Downgradient n	Not Known —	<u>i</u> t	On-site Environm	nental Services, Inc.
A. Protective pipe, top elevation	ft. MSL	^	and lock?	2	X Yes No
B. Well casing, top elevation	888.55 ft. MSL	The state of the s	tective cover p nside diameter	11 TO 10 TO	6 <u>:</u>
500 50 00 00 00 00 00 00 00 00 00 00 00	886.10 ft. MSL	14.00	ength:	<u>;</u>	111. 4 ft.
		D.	Material:		Steel X 0 4
D. Surface seal, bottom 886.10 ft. MS	L or 0 ft.	 X			Other 🔲 🚉
12. USCS classification of soil near screen		1 100 1	Additional pro		☐ Yes 🔀 No
	WH SP A		If yes, describe	<u>;</u>	
SM SC ML MH C Bedrock		3, Sur	facc scal:		Bentonite X 30
13. Sieve analysis performed?	res □No				Concrete 0 1
14. Drilling method used: Rota	I 🕸	4. Ma	terial between	well casing and protec	
Hollow Stem Au					Bentonite 30
The second secon	her 🔲	Filt	er Sand		Other 🗙 🏬
1. T. W		5. Am	nular space sea		ped Bentonite 🔀 33
·	Air 01	b		nud weight Bentoni	
	Ione X 99	c		nud weight Ber	
16. Drilling additives used?	7es ∐No	d. —		ite Bentonite-	
NA.		6. — f.]	How installed:	₽	Tremie 01
Describe NA			non matumen.		mie pumped 02
17. Source of water (attach analysis, if requ	ired):				Gravity X 08
NA		rl 16000f	ntonite seal:		mite granules 3 3
E. Bentonite seal, top 886.10 ft. MSI	Lor Oft.	, ъ.		3/8 in. 1/2 in. B	entonite chips X 3 2
E. Bentonite seal, top880.10 ft. MSI	2 or 2 IL.	C.—		et.	Other
F. Fine sand, top846.10 ft. MSI	Lor40 ft.	7. Fin	e sand materia	l: Manufacturer, prod	uct name & mesh size
	/ TO	📆 / a.5	Red Flint #7		X
G. Filter pack, top844.10 ft. MS	L or 42 ft.	b. '	Volume added	0.68	_{ft} 3
942 10 c - 5 c	. 44 _	8. Filt	er pack materi	al: Manufacturer, proc	
H. Screen joint, top842.10 ft. MSI	L or 44 ft.	- a —	• •	RW Sidley #5	<u>.3</u> ×
I. Well bottom 837.10 ft. MSI	Lor49n.		Volume added	Flush threaded PVC:	
	<u> </u>		in cusing.	Flush threaded PVC	
J. Filter pack, bottom 835.10 ft. MS	L or 51 ft.	厚 / _			Other 🔲 🏬
		10. Scr	reen material:	PVC	
K. Borehole, bottom 655. 10 ft. MS1	L or 51 ft.	a.	Screen type:	_	Factory cut 🗵 11
L. Borehole, diameter 8.25 in.				Con	ntinuous slot 01
L. Borehole, diameter in.		\ , , -	Manufacturer	Monot	Other 📙 🧮
M. O.D. well casing -2.38 in.			Slot size:		0. <u>010</u> in.
Selection and other interesting of a contract of the contract		d.	Slotted length	•	<u>5</u> ft.
N. I.D. well casing $\begin{bmatrix} 2.01 \\ -1 \end{bmatrix}$ in.		11. Bac	ckfill material	(below filter pack):	None X 14
	A 100		110070	<u> </u>	Other
I hereby certify that the information on this		e best of my knowleds	ge.		
Signature Jackie Rennebohm	Firm SCS E	ENGINEERS, 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 Remediation/Rede		Waste Manag	gement X		
Facility/Project Name	County Name		Well Nam	e	
Dane County Landfill Site No. 2		Dane			M-17BR
Facility License, Permit or Monitoring Number	County Code	Wis. Unique		DNR W	ell ID Number
3081/113127300	13_		VT575		168
1. Can this well be purged dry?	No No	11. Depth to		evelopmer	at After Development
compressed air	1 2 2 0 0 0	Date Time 12. Sediment is bottom 13. Water clar	b. <u>06</u> / <u>d</u> c. <u>11</u> : 09	30 / g y y	
			light grov olig	htly silty/sandy	-
4. Depth of well (from top of well easising) $=$ $=$ $\frac{50}{2}$			light gray, slig	htly silty/sandy	
5. Inside diameter of well $\frac{2}{2} \cdot \frac{0}{2}$	in.				
6. Volume of water in filter pack and well casing 8 7. Volume of water removed from well			ended	mg/l	at solid waste facility:162 _ 0 mg/lmg/l
		16. Well deve	oped by: Name (firs	t, last) and Fi	m
10. Analysis performed on water added?	s 🔲 No	First Name:	Jackie	Last Na	ne: Rennebohm
(If yes, attach results)		Firm: SCS	ENGINEERS, 283	30 Dairy D	rive, Madison, WI 53718
17. Additional comments on development:					
 Surged and purged for 30 minutes, removed ~5- Pumped starting at 1130 at 1.5-gallons/min. Con Collected TSS sample at 1235. 		e with pump e	very 5 minutes.		
Name and Address of Facility Contact/Owner/Responsible First Name: John Last Name: Welch	Party	I hereby cer of my know	•	nformation	is true and correct to the best
Facility/Firm: Dane County Dept. of Waste & Rene	wables	Signature: _	Jackie Rennebohm	<u> </u>	
Street: 7102 U.S. Hwy 12/18		Print Name:	lackie Rennebohr	n	
City/State/Zip: Madison, WI 53718		Firm: S	CS ENGINEERS, 2	830 Dairy D	Prive, Madison, WI 53718

SOIL BORING LOG INFORMATION

Form 4400-122 Route To: Watershed/Wastewater Waste Management

				Remediation	/Redevelopment \square	Other	Ш									
															Page	1 of 2
	y/Projec					License/	Permit/	Monito	ring Nu	mber			Numbe			
				No. 2 Rodefeld	SCS#: 25217087.02		111 0			ls.	D 1111)3AR		
-		•	Name of	f crew chief (first, last)	and Firm	Date Dri	Iling S	arted		Dat	te Drilli	ng Con	npleted			ing Method
	y Kap		nment	al Services, Inc.			6/29	/2020				6/29/2	020			llow stem ger
WI Ur	ique W	ell No		DNR Well ID No.	Common Well Name	Final Sta			1 :	Surface	e Elevat		2020	Bo		Diameter
		700		176	M-303AR		Feet 1	MSL			83.19				8	.25 in.
	Grid Or	igin		timated:) or Bo			,	0	,	"	Local G					
State		- 3.7		,779 N, 2,200,339			ıt					Feet				Feet 🗌 E
SE Facilit		of N	E 1	/4 of Section 25,	T 7 N, R 10 E	Long		Civil T	oven/Ci		/illage		\Box s			<u></u>
	, iD 12730	00		Dane		13	de	Madi		ty/ Of V	rmage					
	nple			Buile		13		Ividai	5011			Soil	Prope	erties		
~ ***				Soil/	Rock Description								11071			-
	tt. & d (ir	unts	Feel		eologic Origin For						l u					\$
ber ype	th A	. Co	ı In		ch Major Unit		CS	hic	am	EID.	lard	ture	<u>.</u> و	icity		nen
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Lu	on Major Cint		O S (Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	200	RQD/ Comments
	I M	Щ		ORGANIC SILT, bro	avn (tonsoil)					Ь	S A	20		P I	Ь	<u> </u>
			E				OL									
			-1	POORLY GRADED (5YR 3/3), fine.	SAND, dark reddish b	rown										
			_2	(3 110 3/3), Time.												
	29		E									M				Geoprobed to 25
	2)		_3									IVI				feet then overdrilled using
			E													4.25" hollow stem augers.
			F4													
			E ₋₅													
			Ε'I													
			<u>-</u> 6	Trace angular gravel.												
			E													
			F7													
	30		E_8				SP					M				
			F .													
			<u>_</u> 9	Tropo gilt/alay												
			F	Trace silt/clay.												
			-10													
			F ,,													
			-11													
			E ₁₂													
	38		F									W				Depth to water
			-13													~12 feet
			F , ,													
			F 14													
			E -15													
I banal		2.414	41 : 6	mation on this form is:	true and correct to the b	ost of my la										

Signature ackie Rennebohm Firm SCS Engineers

Tel: Fax:

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

SOIL BORING LOG INFORMATION SUPPLEMENT Form 4400-122A

Borin	g Numl	er	M30	Use only as an attachment to Form 4400-1	22.								Page	2 of 2
San	nple									Soil	Prope			
	t. & (in)	nts	eet	Soil/Rock Description					ے ا					
er ype	h Att	Coun	In F	And Geologic Origin For	S	ic	 		ard ation	nt e	_	sity		nents
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Each Major Unit	SC	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	200	RQD/ Comments
<u> </u>	L R	В			n	9 1	·	- B	S A	20	77	P II	Ъ	<u> </u>
			- 16	Same as above but fine to medium.										
			17											
	45		E -18							W				
			- 10											
			19											
			E -20		SP									
			= ~	Same as above but light brown (7.5YR 6/3), fine to medium, and with trace rounded small gravel.										
			<u>-21</u>	-										
	53		E							W				
			-23											
			E											
			-25	End of Boring at 25 feet. Set well M303AR at 21 feet.			1							
						•	'		1	'		'	1	•

	Watershed/Wastewater Remediation/Redevelopment	Waste Managemen X	MONITORING WELL CONSTRUCTION Form 4400-113A Rev. 7-98
Facility/Project Name Dane County Landfill Site No. 2	Local Grid Location of Well	N	Well Name M-303AR
Facility License, Permit or Monitoring No. 3018	Local Grid Origin (estima	ted:) or Well Location cong. o	ÓX700 176
Facility ID	St. Plane 380,779.02 ft. N,	2,200,339.01 ft. E. S/C/N	Date Well Installed 06 / 29 / 2020
113127300	Section Location of Waste/Sou	40 이번	<u></u>
Type of Well Well Code 11 / mw	SE _{1/4} of NE 1/4 of Sec.		Tony Kapugi
Distance from Waste/ Enf. Stds. Source 130 ft. Apply	Location of Well Relative to W u X Upgradient s d Downgradient n	aste/Source Gov. Lot Number Sidegradient Not Known	On-site Environmental Services, Inc.
A. Protective pipe, top elevation	:- ft. MSL	1. Cap and lock?	X Yes No
B. Well casing, top elevation	885.53 ft. MSL	2. Protective cover	F -
C. Land surface elevation	883.19 ft. MSL	b. Length:	4 ft.
992 10		c. Material:	Steel 🔀 04
	\$25000A51		Other
12. USCS classification of soil near screen	SW□ SP ⊠	d. Additional pr If yes, descri	The same of the sa
			Bentonite X 30
Bedrock		3. Surface scal:	Concrete 01
13. Sieve analysis performed?	Yes No		Other
•	otary 50	4. Material betwee	n well casing and protective pipe:
Hollow Stem A	uger X 4 1	Filter Sand	Bentonite 3 0 Other 🔀
	Afficial Company of the Company of t	5. Annular space s	
15. Drilling fiuid used: Water 0 2	Air 01		mud weight Bentonite-sand slurry 35
Drilling Mud 0 3	None 99		mud weight Bentonite slurry 31
16. Drilling additives used?	Yes X No	d % Bento	nite Bentonite-cement grout 5 0
		KXX	volume added for any of the above Tremie 0 1
Describe NA		f. How installed	1: Tremie 0 1 Tremie pumped 0 2
17. Source of water (attach analysis, if req	uired):		Gravity X 08
NA		6. Bentonite seal:	a. Bentonite granules 33
883 10	SL or Oft.	b. ∐./4 in. ⊠	3/8 in. 1/2 in. Bentonite chips 3 2
E. Bentonite seal, top 883.19 ft, MS	📈	c	Other
F. Fine sand, top876.19 ft. MS	SL or 7 ft.	7. Fine sand mater Red Flint #7	ial: Manufacturer, product name & mesh size
G. Filter pack, top 874.19 ft. M	SL or 9 ft.	a. b. Volume adde	<u>0.68</u> ft ³
972.40	→ [8. Filter pack mate	rial: Manufacturer, product name & mesh size
H. Screen joint, top8/2.19 ft. MS	SL or 11 ft.	a b. Volume add	RW Sidley #5
I. Well bottom862.19 ft. MS	SL or 21 n.	9. Well casing:	Flush threaded PVC schedule 40 X 23
J. Filter pack, bottom 861.69 ft. M	SL or 21.5 ft.		Flush threaded PVC schedule 80 24 Other 24
861.60		10. Screen material	:PVC
K. Borehole, bottom of 1.09 ft. Ms	SL or21.5 ft.	a. Screen type:	Factory cut 🗵 11 Continuous slot 🗌 01
L. Borehole, diameter $-\frac{8.25}{1.00}$ in.		<u> </u>	Other D
M. O.D. well casing -2.38 in.		b. Manufacturer c. Slot size:	Monoflex 0. 010 in.
2.01		d. Slotted lengt	h:10 ft.
N. I.D. well casing $\begin{bmatrix} 2.01 \\ \end{bmatrix}$ in.		11. Backfill materia	I (below filter pack): None X 14 Other
I hereby certify that the information on this	s form is true and correct to the b	pest of my knowledge.	
Signature	Firm	OINEEDO OCCOR : 5:	M . I'
Jackie Rennebohm	SCS EN	GINEERS, 2830 Dairy Drive	e, 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.

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

Route to: Watershed/Wat			nagement X		
Remediation/R Facility/Project Name	County Name	Other	Tw.	ell Name	
Dane County Landfill Site No. 2	County 1 junio	Dane		Carry Section 1	M-303AR
Facility License, Permit or Monitoring Number	County Code		e Well Numbe		ell ID Number
3081/113127300	<u>13</u>		OX700		176
1. Can this well be purged dry? 2. Well development method surged with bailer and bailed surged with block and pumped surged with block 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) 9. Source of water added NA	Yes No 41 61 42 62 70 20 10 51 50 30 min. 23.8 ft. 01 in. 3.4 gal. 5.0 gal. 0.0 gal.	14. Total st solids 15. COD	to Water p of a ing) b m c at in well larity Clo bro bro lling fluids we aspended _ veloped by: N	17 40 ft. 16 / 30 / y y 18 .05 p.m inches 20 1 0 20 1 5 20 20 1 5 20 20 20 20 20 20 20 20 20 20 20 20 20 2	23 _ 80 ft. 2020 _ 06 / _ 30 / _ 202 y y m m d d y y y 15 : 35 _ a.m inches Clear
10. Analysis performed on water added? [If yes, attach results]	Yes No			Last Nar RS, 2830 Dairy D	ne: Rennebohm rive, Madison, WI 53718
17. Additional comments on development:		•			
 Purged and surged, removed ~2-gallons, wel Removed 1/2-gallon, well went dry. Removed 1/2-gallon, well went dry. Really su Waited over 1 hour, bailed ~1-gallon, well we Returned at 1530, removed ~1-gallon, well we 	rging bailer to se nt dry. ent dry. Let recha				
Name and Address of Facility Contact/Owner/Respons First Name: John Last Name: Welch	sible Party	I hereby of my known		above information	is true and correct to the best
Facility/Firm: Dane County Dept. of Waste & R	enewables	Signature:	Jackie Ren	inebohm_	
Street: 7102 U.S. Hwy 12/18		Print Name	: Jackie Ren	nebohm	
City/State/Zip: Madison, WI 53718		Firm:	SCS ENGINE	EERS, 2830 Dairy D	rive, Madison, WI 53718

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

Well / Drillhole / Borehole Filling & Sealing Report Form 3300-005 (R 4/2015) Page 1 of 2

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

ourpose. Return form to the appro	priate DNR	t office and	burea	au. See	instruction	ns on reverse	for more info	rmation.			
		R	oute to	o DNR	Bureau:				Domodia	tion/Podovol	onment
Verification Only of Fill	and Sea	.j	=	inking V		= =	Vatershed/Wa	stewater	Remedia	tion/Redevel	ohmem
			X wa	aste Ma	nagemer		Other:				
1. Well Location Information)					2. Facility /	Owner Info	rmation			
	que Well#	of Hic	ap#			Facility Name	0	4611 #O /	Dodofold\		
D	ed Well /1 9 4	8						andfill #2 (Roueleiu)		
Latitude / Longitude (see instruction		Format Co	de	Method	Code	Facility ID (FII	27300				
43.042883	, N	DD		□GI	PS008	License/Perm		4			
-89.247844			ا م	2000	CR002	0301		r			
	W				TH001	Original Well					
¹⁴ / ¹⁴ SE ¹⁴ NE	Section	Towns		Range			e County	•			
or Gov't Lot#	25		N	10	w	Present Well					
Well Street Address							e County	,			
7102 US-12			101-11-7	IP Cod		Mailing Addre					
Well City, Village or Town				718	e	191	9 Alliant I	Energy Cer	iter Way		
Madison			Lol#	17 10		Cily of Preser	t Owner			ZIP Code	
Subdivision Name			LULT			Madis			WI	53717	
Reason for Removal from Service	IWI Uni	que Well#	of Rec	olaceme	nt Well	4. Pump, Li	ner, Scree	n, Casing & S			- Aug
Landfill Construction	1,,, 0,,,	900 110				1	piping remove	ed?		res No	N/A N/A
3. Filled & Sealed Well / Dril	lhole / Bo	orehole In	form	ation		Liner(s) rer			므	Yes ∏ No	N/A N/A
	Original Co	nstruction	Date (i	mm/dd/	уууу)	Liner(s) per			믁	Yes ∐No Yes √No	M/A □ N/A
Monitoring Well	11/0	6/2012				Screen rem				Yes No	□ N/A
Water Well		onstruction		rt is ava	allable,	Casing left					느
Borehole / Drillhole	please att	ach.	VI30 :	5A	•		cut off belov		<u> </u>	Yes No	∐ N/A □ N/A
Construction Type:							material rise				∐N/A
Drilled Driven (Sandpoint)		Dug	l		•	al settle after :		X		□N/A
Other (specify):							was hole reto	ppeur ised, were they I	udrated		
Formation Type:						with water	from a known	safe source?	Maisted X	Yes No	N/A
Unconsolidated Formation	r	Bedrock	ζ			Required Met	hod of Placin	g Sealing Materi	al		
Total Well Depth From Ground Su	rface (ft.)	Casing Dia	meter	r (in،)				ity 🔽 Conduc	tor Pipe-Pump	ed	
34.3'	,,,,,	2.3				Screen	ed & Poured lite Chips)	Other (E	explain):		
Lower Drillhole Diameter (in.)		Casing De		1		Sealing Mate					
		29'	pt (.,		1	ement Grout		Concrete		
8"		29				Sand-C	ement (Conc	rete) Grout	Bentonite	Chips	
Was well annular space grouted?] Yes	No	\u	Jnknown	, —		Monitoring Well E	 Toreholes Only	<i>!</i> :	
If yes, to what depth (feet)?	Dept	h to Water	(feet)			Bentoni		√ Be	ntonite - Ceme	ent Grout	
,, you, to milet out at (1000)	1 '	3.3'	, ,			1 ==	ar Bentonite		ntonite - Sand		
	and his a president selection							No. Yards, Sac	ks Sealant or	Mix Ra	tio or
5. Material Used to Fill Well	ACCEPTANCE OF THE PROPERTY OF	e			18	From (ft.)	To (ft.)	Volume (C		Mud W	eignt
Bentonite C						Surface	6'	100 lb 50 gallo		250 lba	comon
Bentonite - Ceme	nt Grou	<u>ıt</u>				4'	34.3'	50 gailoi	15		<u>, ceme</u> n bentonit
										Log ips.	DOMOTIN
6. Comments M305A - All casin	g was r	emoveo	d. S	creer	n snap	ped while	over drill	ing and wa	s left in th	e boreho	ole.
7. Supervision of Work	3				ľ				DNR Use	Only	
Name of Person or Firm Doing Fi	ling & Seal	ing Licer	ıse#	() y Car	Date of F	illing & Sealing		n Date Receive		Noted By	1
Badger State Drilling					(mm/dd/y	yyy) <u>08/1</u> 1	1/2016				
Street or Route	,					elephone Num		Comments			
360 Business Park (Cr.				(608)877			Tan-	la Olazari	
City		State	ZIP	Code		Signature of	Person Doing	y Work		te Signed	1

53589

WI

Stoughton

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

360 Business Park Cr.

Stoughton

City

State

WI

ZIP Code

53589

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other

or up to one year, depend ourpose. Return form to the	ing on the progran e appropriate DNF	≀ office a <u>r</u>	id bure	au, See i	nstructio	ns on reverse	for more infor	mation.			
			Route I	to DNR B	sureau:		Vatershed/Was	-	Remedial	tion/Redevel	opment
☐ Verification Only	of Fill and Sea	1	ш	rinking W		므	other:				
			X w	/aste Mar	nagemen		Owner Infor	mation			
1. Well Location Infor		- Î	licon #			Facility Name		mation	· · · · · · · · · · · · · · · · · · ·		
County	WI Unique Well # Removed Well	oi	licap #					andfill #2 (Ro	defeld)		
Dane	V M 9 4	9				Facility ID (FI		<u> </u>			
Latitude / Longitude (see in	structions)	Format C		Method			27300				
43.042883	N	√ DI	D	☐GP	S008	License/Perm	it/Monitoring#				
-89.247844	w		DM	1 1344	H001	030	18				
74/4 SE 14 NE	Section	Towr	nship	Range	VE	Original Well					
or Gov't Lot#	25		7 N	10	Ϊw		e County				
Well Street Address				L		Present Well					
7102 US-12							ne County				
Well City, Village or Town			Well	ZIP Code)		ess of Present (r May		
Madison			53	3718				nergy Cente	State	ZIP Code	
Subdivision Name			Lot#			City of Prese Madis			WI	53717	
								, Casing & Seal			
Reason for Removal from	Service Wi Un	ique Well	# of Re	placeme	nt Well	Pump and	piping remove	<u>, 07,511,510,79001</u> d?	Y	res No	N/A
Landfill Construction	ction				Company of the Control of Spirits	Liner(s) re			$\vdash \vdash \vdash$	res No	N/A
3. Filled & Sealed We	II / Orillhole / Bo	orehole	Inform	nation		Liner(s) pe				res No	N/A
Monitoring Well	Original C			(mm/aa/y	/ууу)	Screen rer			\overline{Z}	res No	☐ N/A
Water Well	11/0	06/201	2			Casing lef			<u> </u>	res No	□ N/A
	If a Well C		on Rep	ort is ava	ilable,		g cut off below	surface?		Yes No	N/A
Borehole / Drillhole	please att	ach.	١٧١	1305B			g material rise			=	∏ N/A
Construction Type:							ai settle after 2			Yes No	□ N/A
✓ Drilled	Driven (Sandpoint)	•	∐ Du	g		1	was hole retor		\overline{Z}	Yes 🔲 No	N/A
Other (specify):						If bentonit	e chips were u	sed, were they hyd	rated 7	Yes TiNo	□ N/A
Formation Type:							from a known		(¾ Z.)	100 []//0	
Unconsolidated Form	nation	Bedro	ock			Required Me	thod of Placing	Sealing Material	Dina Bumn	.ed	
Total Well Depth From Gro	ound Surface (ft.)	Casing (Diamete	er (in.)				ity Conductor		du	
66'		2	.38"			(Bento	ed & Poured nite Chips)	Other (Exp	iain):		
Lower Drillhole Diameter (in.)	Casing I	Depth (ft.)		Sealing Mate	erials				
	•	61	i			Neat C	ement Grout	<u>_</u>	Concrete		
8"							Cement (Concr		Bentonite	,	
Was-well annular space gr	outed?	Yes	No.	, []u	Inknown			Ionitoring Well Bore	eholes Only	<i>!</i> :	
If yes, to what depth (feet))? Dep	th to Wate	er (feet))		■ Bentor	nite Chips		nite - Ceme		
52	ĺΝ	A. Ob	struc	ted @	18'	Granu	lar Bentonite	Samuel .	nite - Sand		
						From (ft.)	To (ft.)	No. Yards, Sacks	Sealant or	Mix Ra Mud W	
5. Material Used to F		ie.	1			Surface	4'	Volume (circle 85 lbs.	7.3H(5)	, Acceptance	
	nite Chips	.4				4'	66'	100 gallon	IS	500 lbs	. cemei
Bentonite -	Cement Grou	ut				1 -	00	,00 9001		67 lbs.	
6. Comments											
M305B - All ca	·		po 6	- A Tra	mior	sing act of	uck in the	horehole an	d aband	doned in	place.
		een re	move	a. Ir∈	anne þ	whe dor si	UCK III UIC	DOI OTTOTO ATT	DNR Use	Only	12 1
7. Supervision of Wo	ork	lina li i	20000 4		Date of F	illing & Sealin	g or Verification			Noted By	
Name of Person or Firm I			cense #			yyyy) 08/1					
Badger State D	rilling Co., Ir	IC		\		Telephone Nu		Comments			
Street or Route	Park Cr					(608)87					

Signature of Person Doiring Work

Date Signed

9-28-16

SOIL BORING LOG INFORMATION

Form 4400-122

			Ro	ute To:		itershed/V mediation		ater elopment	1	Waste M Other	anagen	nent			-						506.77	
Facility	y/Projec	t Nam	e Dar	ne Coi	unty i	No. 2 La	andfill	Expans	ion.	License	Permit	/Mon	itorin	g N	umber		Boring	Pag Numb		of 2	2	
Eas	tern E	xpar	nsion					-											M١	N9AF		
	Drilled ve J. F			t crew	chief (f	irst, last)	and Fin	m		Date Dr	illing S	tartec	1		Da	te Drill	ing Co	mpleted	i	Drilling Metho		
Soil	s & Er	ngine	ering	Servi	ices,	Inc.					vemb			14		Nov	embe	7,2	014	HS	SA.	
WI Un	iique W	ell No		DNR	Well I	D No.	Com	mon Well N		Final St					Surfac	e Eleva			В		Diameter	
Local	Grid Or	igin [] (estin	nated:) or 1	Boring Lo	ocation	M9AR		10 50	359.9	ree	35				.2 Fe	et		1.	6 in	
State				ft. 1	٧,		fi.		C/N	L			-	_	_	00	700-			0000	E	
Facilit		1/4 of		1/4 of 5	Sec		1	N, R		County C		Civi	LTow	m/C	ity/ or	Village		eet 🔲	s 20	0362	Feet W	
r ucini	, 10				Coun	.5	Dane	9		13					adisc	7						
San	nple					Total I	Depth	= 30'-7	711					Ī			Soi	Prop	erties			
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet			Soil/I And G	Rock De	escription Origin For			uscs	Graphic	Log	Diagram	PID Readings	Pocket Penetrometer	Moisture	Liquid	Plasticity Index	P 200	RQD/ Comments	
-		Ti	E			LAY (C	L) —	medium PSOIL, ti		icity,	CL	ĬĬĬ		1								
			1 2 3 4 4 5 5 6 7 7 8 9 10 11 12 13 13 14 15	gradifine den gradition den gr	AN C k bro PSOI AN C wn, n	LAY (Connection of the connection of the connect	EL) — ist, hae sand ery sti EM) — astic torown, trace	medium medium and consi d-[2" thick moist, fine to it to low pla moist, lo to low pla moist, lo to little ext page	plasticity plastistence k] plastistency mediu asticity oose grave	icity, icity, icity,	SM CL				X							

Signature Craig M. Bower

Soils & Engineering Services, Inc.

Tel: 608-274-7600

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. Printed on 12/9/2014

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

Facility/Project Name Dane County No. 2 Landfill Expansion, Eastern Expansion

SES Project Number 506.77

Sampl	le		/W/9/	Use only as an attachment to Form 4400						Soil		ge 2 erties	of 2	
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 Readings	Pocket Penetrometer	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			16 -17 -18 -19 -20 -21	LEAN CLAY (CL) — medium plasticity, light brown, moist, very stiff to medium consistency (continued)	CL									
			22 -23 -24 -25 -26 -27 -28	CLAYEY SAND (SC) — fine grained, medium plasticity fines, reddish-brown, wet, loose relative density POORLY-GRADED SAND (SP) — fine to medium grained, brown, wet, loose relative density	SC									
			-29 -30 -31	LEAN CLAY (CL) — medium plasticity, gray, wet, soft to stiff consistency, stratified, with SILT (ML) lenses and seams	CL ML									- >>>>
			33 34 35 36 37	NOTES 1. Boring MW9AR completed by blind dr stratification specifics. 2. The Legend Record is considered a p Boring MW9AR.										

ROHE IO. Watascha				
SES Project Number 506.77 Remediate	on/Redevelopment Other	agement	MONITORING WELL CONSTRUCT Form 4400-113A Rev. 7-98	LION
	ocation of Well	2.0	Well Name	
Dane County No. 2 Landfill Expansion 82700	ft. N. 200362 ft.	■ E.	M9AR	
Facility License, Permit or Monitoring No. Grid Origin	Location [(estimated: [)	Well Location	Wis. Unique Well No. DNR Well Num	ber
Lat	Long	or		
Facility ID St. Plane	ft. N,	fi E S/C/N	Date Well Installed	
Section Loca	tion of Waste/Source		$\frac{1}{m} \frac{1}{m} / \frac{0}{d} \frac{7}{d} / \frac{2}{v} \frac{0}{v} \frac{1}{v} \frac{4}{v}$	
Type of Well	1/4 of Sec T	N.B. DE	Well Installed By: Name (first,last) and	Firm
I nestion of		N, R. W	Steve J. Hunger	
Source Apply u Upg	radient s □ Sidegradient n □ Not Known		Soils & Engineering Services,	Inc.
A. Protective pipe, top elevation 879.66 ft. M		1. Cap and lock?	■ Yes □	
		2. Protective cover p	ipe:	140
B. Well casing, top elevation 879.56 ft. M.		a. Inside diameter:	4.0	in
C. Land surface elevation 877.2 ft. M	SL \	b. Length:	5.0	_ ft.
D. Surface seal, bottom 872.2 ft. MSL or 5.0	39395	c. Material:	Steel	
	The state of the s		Other	
12. USCS classification of soil near screen:	One of the state o	d. Additional prote		No
GP □ GM □ GC □ GW □ SW □ SP SM □ SC ■ ML ■ MH □ CL ■ CH		If yes, describe		
SM □ SC ■ ML ■ MH □ CL ■ CH Bedrock □ OL/OH □ PT □		3. Surface seal:	Bentonite	30
13. Sieve analysis attached? ☐ Yes ■ No		3. Surface Sea.	Concrete 🗆	
			Other 🗆	
14. Drilling method used: Rotary □ 5 0		4. Material between	well casing and protective pipe:	
Hollow Stem Auger ■ 4 1 Other □			Bentonite	3 0
Other DE			Other	-
15. Drilling fluid used: Water □ 0 2 Air □ 0 1		Annular space sea	1: a. Granular/Chipped Bentonite	3 3
Drilling Mud □ 0.3 None ■ 9.9		bLbs/gal m	and weight Bentonite-sand slurry	35
2		cLbs/gal m	aud weight Bentonite slurry	3 1
16. Drilling additives used? ☐ Yes ■ No		d% Benton	ite Bentonite-cement grout	5 0
No. of the last of		f. How installed:	volume added for any of the above	
Describe	-1 🐰 🕷	i. How histalied.	Straine D	
17. Source of water (attach analysis):			Tremie pumped ☐ Gravity ■	
		6. Bentonite seal:		
			3/8 in. □ 1/2 in. Bentonite chips □	22
E. Bentonite seal, top 865.6 ft. MSL or 11.6	/ II	c. None	Other	
	5 ft.	7. Fine sand material	: Manufacturer, product name and mesh	
F. Fine sand, top 865.6 ft. MSL or 11.6	5 ft. \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	a. Red Flint Sa	and and Gravel, #15 well slot	
1000 - 10	Let Ke	b. Volume added		
G. Filter pack, top <u>863.6</u> ft. MSL or <u>13.6</u>	1 ft. 3	8. Filter pack materia	al: Manufacturer, product name and mesh	a size
004.0		a. Red Flint Sa	and and Gravel, #40 well slot	Im
H. Screen joint, top <u>861.6</u> ft. MSL or <u>15.6</u>	ft.	b. Volume added	4.7 ft ³	-
946.6		9. Well casing:	Flush threaded PVC schedule 40	23
I. Well bottom 846.6 ft. MSL or 30.6			Flush threaded PVC schedule 80	24
846.6			Other	
J. Filter pack, bottom 846.6 ft. MSL or 30.6	2 ft.		Flush threaded PVC schedule	
8/66 300		a. Screen Type:	40 Factory cut ■	11
K. Borehole, bottom 846.6 ft. MSL or 30.6	2 ft.		Continuous slot	0.1
1 Part 1 1 2 2 2 7 6 2		7 40 20 20 20	Dalvas Makes Outher	
L. Borehole, diameter 7.6 in.	· · · · · · · · · · · · · · · · · · ·		Baker Water Systems (Monoflex) 0.010	
M. O.D. well casing 2.38 in.		er prot bibe.	31313	_ in.
M. O.D. well casing 2.38 in.	1	d. Slotted length:	15.0	
N. I.D. well casing 2.07 in	~~!	(Backfill material (March 1971 - March	The state of
in. i.i., went easing			Other	
I hereby certify that the information on this form is true and	correct to the heet of my knowledge			

Signature

Firm Soils & Engineering Services, Inc.

Tel: 608-274-7600

1102 Stewart Street, Madison, Wisconsin 53713

Fax: 608-274-7511

Please complete both Forms 4400-113A and 4400-113B and return 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 forfaiture of between \$10 and \$25,000, or improsopment for un to one year, depending on the program and conduct involved. Personnally identifiable information on these forms is not a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personnally 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.

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

_	٠	_	_	•	
202	,	7_	QQ	,	

Route To: Watershee	d/Wastewate	er 🗌	Waste Management			
	ion/Redevel	opment 🔲	Other \square		SES P	Project Number 506.77
Facility/Project Name		County		Well Name		
Dane County No. 2 Landfill Expai	nsion		Dane		M9	9AR
Facility License, Permit or Monitoring Number		County Code 1 3	Wis. Unique Well Num	ber	DNR Well	Number
1. Can this well be purged dry?	☐ Yes	s T No	11. Depth to Water	Before Deve	elopment	After Development
Well development method: surged with bailer and bailed surged with bailer and pumped surged with block and bailed	□ 4 ■ 6 □ 4	1	well casing)	a. <u>19</u> . 1/10/2		
surged with block and pumped surged with block, bailed, and pumped compressed air bailed only	□ 6 □ 7 □ 2 □ 1	0				<u>m</u> m d d y
pumped only pumped slowly	□ 5 □ 5	1 0	12. Sediment in well bottom	0.	0 inches	0.0 inches
other	1_2		13. Water clarity	Clear □ 1 Turbid ■ 1 (Describe)		Clear ■ 20 Turbid □ 25 (Describe)
4. Depth of well (from top of well casing)	3_3					
5. Inside diameter of well	2.0					
6. Volume of water in filter pack and well casing	_14	. <u>5</u> gal.			- Think	
7. Volume of water removed from well	1 4 4	. <u>0</u> gal.	Fill in if drilling fluids v	were used and v		id waste facility:
8. Volume of water added (if any)	0	. <u>0</u> gal.	14. Total suspended solids		mg/l	mg/l
9. Source of water added			15. COD 16. Well developed by:		mg/l	
(OH)				, ,	•	
10. Analysis performed on water added? (If yes, attach results)	☐ Yes	□ No	First Name: Kevin			•
17. Additional comments on development:			Firm: Soils & Eng	ineering Se	rvices, in	IC.
After surging pump, discharge bed	comes cle	ear after 30	to 60 seconds.			
Name and Address of Facility Contact/Owner/Res	sponsible Pa	arty	I hereby certify that the knowledge.	above informat	tion is true a	and correct to the best of my
Name: Name: Facility/Firm:		40	Signature: C	raig M.E	Bower	
Street:			Print Name: Craig N	V	· · · · · · · · · · · · · · · · · · ·	
City/State/Zip:			Firm: Soils &	Engineerin	g Service	es, Inc.

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

			Ro	ute To:		Wastewater n/Redevelopment		Manager	nent		_			SES Pr	oject Ni	ımber	506.77
Facilit	v/Proiec	et Nam	е Пэ	ne Cou	nty No. 2 La	andfill Expans	ion Hicens	e/Permit	/Mon	itorina	Number		Boring	Pag Numb		of	3
	stern E			ie Cou	my No. 2 L	anullii Expans	ion, Licens	C/I CITINI	IVIOI	noring	Number		Dornig	; Mullio		V9B	R
	The second	-		of crew cl	hief (first, last)	and Firm	Date I	Drilling S	tarte	1	Da	ate Drill	ing Co	mpleted		Dril	ling Method
	ve J. I			Sonia	nos Ins		N.	ovemb	ore	201		Nove	ombo	-6 2	014	1.1	CA
WI U	ique W	ell No	enne	DNR	ces, Inc. Well ID No.	Common Well 1		Static We				ce Eleva		r 6, 2			SA Diameter
						MW9BF	2	859.8	Fee	et			.1 Fe				.6 in
	Grid Or Plane) or Boring Lo		C/N	Lat				Local	Grid Lo		20		112
State		1/4 of		1/4 of S	ec. , T.	ft. E. S / 6 N, R.	E/W Lo	ong				82	701 F	eet 🔲		0358	Feet W
Facili	-	4			County		County		Civi	Town	City/ or						
						Dane	1	3	C	ty of I	Madisc	on					
Sar	nple				Total I	Depth = 57'-6	3"						Soil	Prop	erties		
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet		And G	Rock Description icologic Origin For ach Major Unit		uscs	Graphic	Log Well	Diagram PID Readings	Pocket Penetrometer	Moisture Content	Liquid Limit	Plasticity Index	200	RQD/ Comments
K 20				LEA		L) — medium	plasticity,	CL	ĬĬĬ			1 11 11	20		4, 4	Δ,	20
2	81-10-	4 6 8 5 8	3	SILT grain fines dens trace	d-[9" thick] T Y SAND (S ned, non-pla s, reddish-b	L TOPSOIL, to SM) — fine to reastic to low play rown, moist, no relative density. Thick]	medium asticity nedium	SM		NY	AN	san min					∠M ∠M
3	8√ 8×	5 4 5	7	TOF	brown, mo PSOIL , trace	CL) — medium hist, hard consi e sand-[2" thic CL) — medium	istency, k]	ACL		/ KW		4.2, 2.1				;:t::::	∠M ∠M
4	12	5	10	With	vn, moist, vo n sand, 9'-6'	ery stiff consis " to 11'-0"	tency	CL	//	CHOICE CONTROL		- 2.5, 2.2					-М
		Ž.	12	grain fines rela	ned, non-pl s, red and b tive density	SM) — fine to lastic to low pla erown, moist, la r, trace to little	asticity oose gravel	SM									∽M
5	18	4 4	15	See	description	n on next page		CL	/	N N N N N N N N N N N N N N N N N N N	8000	1.4,					· i~M·

Signature Craig M. Bower

Firm Soils & Engineering Services, Inc. 1102 Stewart Street Madison, Wisconsin 53713

Tel: 608-274-7600 Fax: 608-274-7511

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

SOIL BORING LOG INFORMATION SUPPLEMENT

Form 4400-122A Rev. 7-98

Facility/Project Name Dane County No. 2 Landfill Expansion, Eastern Expansion

_		Del IV	/IVV9I	Use only as an attachment to Form 4400	-122.			_		0.0	_	ge 2	of	3
Sam										Soil	Prop	erties		4
and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	nscs	Graphic Log	Well Diagram	PID Readings	Pocket Penetrometer	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
	<u>∞</u> 12√	3 5 7	17	LEAN CLAY (CL) — medium plasticity, light brown, moist, very stiff to medium consistency (continued) Cobble, 15'-0" to 15'-6"	CL				0.6,					~м
	16	2 3 5	21	CLAYEY SAND (SC) — fine grained, medium plasticity fines, reddish-brown,	sc								J-120-1	~W
	4-18	2 3 5	-23 -24 -25 -26	wet, loose relative density POORLY-GRADED SAND (SP) — fine to medium grained, brown, wet, loose relative density	SP					·cococ				-w
, /	162	3 3 4	28 28 29 30	LEAN CLAY (CL) — medium plasticity, gray, wet, soft to stiff consistency, stratified, with SILT (ML) lenses and seams	CL				- 0.5 - 1,6	pouros:	0.00000		Y	.~w .~w
	16	3 4 5	-31 -32 -33		ML				- 1.4, 1.5					_w
1 /	14	3 4 5	34	POORLY-GRADED SAND (SP) — fine to medium grained, gray, wet, loose relative density LEAN CLAY (CL) — medium plasticity, gray, wet, stiff to soft consistency, stratified, with SILT (ML) lenses and	SP				- 1.9, 1.6				-50-5	~W
2	E 12	3 4	36	seams	CL ML				- 1.7, 1.2					-w

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

Facility/Project Name Dane County No. 2 Landfill Expansion, Eastern Expansion

Sample		/W9	BR Use only as an attachment to Form 4400	122.					Soil	Prop		of	3
and Type Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	uscs	Graphic Log		PID Readings	Pocket Penetrometer	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
3 /₩ 14√	5	40	LEAN CLAY (CL) — medium plasticity, gray, wet, stiff to soft consistency, stratified, with SILT (ML) lenses and seams (continued)	1				- 1.2, 1,3					∠W
1 / 82	3 5	41 -42 -43						- 1.2, 0.9			8		~W
5 / B 18	3 3 4	44						- 1.1, 0.6					~W
© 18√	3 2 3	46						1.4, 0.7					~w
. √18 16	3 4 5	48 49 50		CL ML				1.6, 0.6					~W
B	3 4 4	51				7. May 1. July 1. May 1. July 1.		1.0, 0.5					-w
D	3 4 4	-53 -54 -55						- 0.6					-w
) / 14	3 4 4	56						- 1.1					~w
		59	NOTES 1. The Legend Record is considered a p Boring MW9BR.	art of	the V	VDNR	Soil	Boring	g Log	Infor	matio	n for	m(s) for
		61											

State of Wisconsin Department of Natural Resources Route To:	Watershed/Wastewater	Weste Masse	an and \square	MONITORING WE	II CONSTRU	CTION
SES Project Number 506.77	Remediation/Redevelopme			Form 4400-113A	Rev. 7-98	
Facility/Project Name	Local Grid Location of Well	774-770 7.12		Well Name	100 (17 6.8)	
Dane County No. 2 Landfill Expansion		ft	I E.	MV	V9BR	
Facility License, Permit or Monitoring No.	Grid Origin Location [(es		Well Location	Wis. Unique Well No	DNR Well Nu	mber
Facility ID	Lat	Long	or			
Facility ID	St. Plane ft.	Ň,	fl. E. S/C/N	Date Well Installed	12011	
Type of Well	Section Location of Waste/So	ource	O.F.	m m d d	$\frac{1}{2} \frac{0}{y} \frac{1}{y} \frac{4}{y}$	
Well Code 12 / pz	1/4 of 1/4 of Se	ec, T N	N, R □ E	Well Installed By: Na		id Firm
Distance From Waste/ Enf. Stds.	Location of Well Relative to		ov. Lot Number	Steve J	J. Hunger	
Source ft. Apply	u □ Upgradient s d □ Downgradient n	☐ Sidegradient		Soils & Enginee	ring Services	s. Inc.
A. Protective pipe, top elevation 87	79.56 ft. MSL.		Cap and lock?		■ Yes	
			Protective cover p	ipe:	_ 100	
	79.46 ft. MSL —		a. Inside diameter:		4.	0 in.
C. Land surface elevation8	377.1 ft. MSL		b. Length:		7.	0 ft.
D. Surface seal, bottom 872.1 ft. MS	Lor 5.0 g 3757	18383	c. Material:			■ 04
12. USCS classification of soil near screen:			A A 4404	- A	Other	
	SW □ SP □	W. C.	d. Additional prote	ection?	□ Yes	No
	CL CH CH		3.1	ė		
Bedrock □ OL/OH □ PT □		₩ \ `3.	. Surface seal:		Bentonite Concrete	
13. Sieve analysis attached?	■ No				Other	77 1 444
14. Drilling method used: Rota	ary □ 5 0	₩ ₩ 4.	Material between	well casing and protect		
Hollow Stem Au	ger ■ 4 1				Bentonite	3.0
Ott	her				Other	
15 0 10 0 0 0		5,	Annular space sea	d: a. Granular/Chip	oped Bentonite	3 3
	Air □01 one ■99	₩ b	Lbs/gal m	ud weight Benton	nite-sand slurry	□ 35
Drining Mad 103 No	me = 99		Lbs/gal m	nud weight B	entonite slurry	□ 31
16. Drilling additives used? ☐ Yes	■ No	₩ ₩ d	13 Benton	ite Bentonite	e-cement grout	□ 50
December 1997				volume added for any		
Describe		₩ ₩ '	riow histaired		Tremie remie pumped	
17. Source of water (attach analysis):					Gravity	
		₩ 6.	Bentonite seal:	a Ben	tonite granules	200
		3. 4. 5. 6.	b. □ 1/4 in. □	3/8 in. □ 1/2 in. □		
E. Bentonite seal, top 828.1 ft. MSI	or 49.0 ft.		c. None		Other	
000.4		7.		l: Manufacturer, produ		sh size
F. Fine sand, top 828.1 ft. MSI	or 49.0 ft.			and and Gravel, #	15 well slot	_
826.1	510		b. Volume added		ft3	
G. Filter pack, top 826.1 ft. MSI	or 51.0 ft.			al: Manufacturer, prod		esh size
H. Screen joint, top 824.1 ft. MSI	ar 53.0 e		5.0	and and Gravel, # 1.7		
th sereen joint, top	101 11.		b. Volume added Well casing:	Flush threaded PV	ft ³	
I. Well bottom 820.9 ft. MSI	or 56.2 ft		wen casing.	Flush threaded PV		■ 23
				Finsh direaded F v	Other	□ 24
J. Filter pack, hottom 819.6 ft. MSI	or 57.5 ft.	VE 10.	Screen material:	Flush threaded P		
2124	136 1 1	William .		40	Factory cut	
K. Borehole, bottom 819.6 ft. MSI	or 57.5 R.			(Continuous slot	
7.0					Other	- Antibio
L. Borehole, diameter7.6 in.		VIIIII N		Baker Water Sys (Monoflex)		^
M. O.D. well casing 2.38 in.			y, biblione.	de site e con elle	0.01	^
M. O.D. well casing 2.38 in.		10	d. Slotted length:		_ 2.	
N. I.D. well casing 2.07 in.		11,	Backfill material (below filter pack):	None Other	(and model)
III.					Outer	-
I hereby certify that the information on this for	rm is true and correct to the ka	of affect be avided as				

ect to the best of my knowledge.

Signature

Firm Soils & Engineering Services, Inc.

Firm Soils & Engineering Services, Inc.

1102 Stewart Street, Madison, Wisconsin 53713

Please complete both Forms 4400-113A and 4400-113B and return 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 in result in the program and conduct involved. Personnelly identifiable information on these forms in result in the program and conduct involved. a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personnally 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.

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

Route To: Watershed/Was	stewater edevelopment	Waste Management [3	SES E	Project Number 506.77
Facility/Project Name	County	Other El	Well Name	0201	Tojout Number 300.77
Dane County No. 2 Landfill Expansio		Dane	Well Name	1.41.4	IODD
Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Nu	mber	DNR Well	V9BR
Transfer of the state of the st	1 3	Wis. Cinque Wen No	mioci	DINK WEI	Number
	13			1	
1. Can this well be purged dry?	Yes 🗆 No	11. Depth to Water	Before Dev	elopment	After Development
2. Well development method:		(from top of	1.0	100	F 0 0 0 -
	□ 41	well casing)	a. <u>19</u>	.10 ft.	<u>5_2.6_0</u> ft.
	3 61				
	□ 42	Date b 1	1/10/2	014	11/11/201
	□ 62	- in	in d d y	y y y	$\frac{1}{m} \cdot \frac{1}{m} / \frac{1}{d} \cdot \frac{1}{d} / \frac{2}{y} \cdot \frac{0}{y} \cdot \frac{1}{y}$
	70				
	20	Time	c. 0 3:0	□ a.m. 5 ■ p.m.	1 1:4 0 □ p.m.
2.00	10	1.000	t. <u>0.0.0</u>	<u>∪</u> ■ p.m.	1 1 4 0 p.m.
	3 51	12. Sediment in well	0	0 inches	0.0 inches
	50	bottom		. O menes	mcnes
other surged with bailer,		13. Water clarity	Clear 🗆	10	Clara El 20
pumped, and bailed		15. Water clarity		1.5	Clear □ 20 Turbid ■ 25
3. Time spent developing well	1 0 2		(Describe)		(Describe)
5. Time spent developing well	1 0 2 min.		(Describe)		
A Death Fall (Control Control	F D F a				Still brown
4. Depth of well (from top of well casing)	<u>5</u> <u>8</u> . <u>5</u> ft.		_		
F A-OA C	0 0 7		_		
5. Inside diameter of well	2.0 7 in.	·	-		
era en la companya de la companya del companya de la companya del companya de la					
6. Volume of water in filter pack and well	406				
casing	1 3.5 gal.				
		Fill in if drilling fluid	s were used and	well is at sol	id waste facility:
7. Volume of water removed from well	2 2.0 gal.				
a ded media and resident to the man	75-0-1	14. Total suspended		mg/I	mg/l
8. Volume of water added (if any)	0_0_gal.	solids			LT Z-Y-Y-S-J-Y-S
A. A		15. COD		mg/I	and A
9. Source of water added		11-171			mg/l
		Well developed by	: Name (first, la	st) and Firm	
10. Analysis performed on water added?	☐ Yes ☐ No	First Name: Kevin	Ý	Last Nam	e: Hargis
(If yes, attach results)	d tes El No				
		Firm: Soils & En	igineering Se	ervices, In	C.
17. Additional comments on development:					
Well pumped dry after 4 gallons. Switch	ched to using bail	er. Can bail well d	ry,		
Name and Address of Facility Contact/Owner/Respons	ible Party				
First Last	iole I dity	I hereby certify that th	ne above informa	tion is true a	and correct to the best of my
Name: Name:		knowledge.			
		N	1 M	4 -	
Facility/Firm:		Signature:	iveig Mid	-ower	
		1000	U		
Street:		Print Name: Craig	M. Bower		
				7.5	
City/State/Zip:		Firm: Soils	& Engineering	ng Service	es, Inc.

SOIL BORING LOG INFORMATION

Form 4400-122

Rev. 7-98

			Ro	ute To:		/Wastewater on/Redevelopment	Waste M Other		nent 🗌					SES Pr	oject N	umber	506.77
														Pa	oe 1	of	3
				e Cou	inty No. 2 l	andfill Expansion	i, License	/Permit	/Monitor	ring N	umber		Boring		er		
	tern E			f crew c	hief (first, last	and Firm	Date Dr	illing S	tarted		ID	te Drill	ing Car	anlata		V28	
	ve J. I			1010110	mer (moi, moi	/ und / um	Date Di	ming 2	nancu		Do	ile Dilli	mg Coi	npictet		Dill	ling Method
Soi	s&E	ngine	ering	Servi	ces, Inc.				er 5, 2			Nove	embe	r 5, 2			SA
WIU	nique W	ell No.		DNR	Well ID No.	Common Well Nan MW28R	ne Final St	atic Wa	ater Leve	el	Surfac	e Eleva	tion .1 Fe	ot	Bo		Diameter .6 in
) or Boring I	ocation [1 1	in				Local (.0 111
State		1/4 of		ft. N	,T	ft. E. S / C / I	14	at				92	500 E			1200	Feet W
Facilit		1/4 01	-	1/4 01 3	County	N, KE	County C		Civil To	own/C	ity/ or			eet 🗀	\$ 20	1290	Feet W
200	•				1000	Dane	13		1		adiso						
Sar	nple				Total	Depth = 38'-0"							Soil	Prop	erties		
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet		Soil And G	/Rock Description Geologic Origin For ach Major Unit		uscs	Graphic Log	Well Diagram	PID Readings	Pocket Penetrometer	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
	6	2	1		brown, To	CL) — medium pla DPSOIL, trace sar		CL									М
1 /	▼ -18	3 3 4 5	-2 -3 -4	brow	vn, moist, v	CL) — medium pla very stiff consister	ncy	CL				- 3.6, 3.1					-M; 00
2	10	5 7	5	plas \cons	ticity, brow sistency	CLAY (CL) — me n, moist, hard	1	CL				4.5					,
3	-18	4 5 8	7	grain fines dens	ned, non-p s, red and i	SM) — fine to me lastic to low plasti brown, moist, med e relative density,	icity dium										∠ Μ
4	10	5 14 8	10					SM									- М
5 I here	by certi	18 25 24	13 -14 -15 -15	ormation	on this form	is true and correct to the	e best of my	knowle	edge.								

Firm Soils & Engineering Services, Inc. Craig M. Bower

Tel: 608-274-7600

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 intended to be be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

SOIL BORING LOG INFORMATION SUPPLEMENT

Form 4400-122A

Facility/Project Name Dane County No. 2 Landfill Expansion, Eastern Expansion

	ple		1W28	Use only as an attachment to Form 4400					Soi		ge 2 perties	of	
and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	uscs	Graphic Log	PID Readings	Pocket Penetrometer	Moisture Content	Liquid	Plasticity Index	P 200	RQD/ Comments
		DS			SM	==			1				
	8 14	7 18 22	-16 -17 -18 -19 -20	POORLY-GRADED SAND (SP) — fine to medium grained, brown, dry to moist, medium dense to dense relative density				Q 000 100000	A NO. EST AND			X + + + + + + + + + + + + + + + + + + +	∽Dry-M
	11/	8 14 21	-22 -23 -24 -25 -26										~М
	8- 14√	5.,	27 -28 -29 -30 -31	With coarse sand and gravel, 28'-0" to 35'-0"	SP								,~W
9	12\	16 17 18	-32 -33 -34 -35 -36 -37										.~w

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

Facility/Project Name Dane County No. 2 Landfill Expansion, Eastern Expansion

Sam			/W28	Use only as an attachment to Form 4400-						Soil	ge 3 erties		
	Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	uses	Graphic Log	Well Diagram	PID Readings	Pocket Penetrometer	1	ty.	P 200	RQD/ Comments
				NOTES 1. The Legend Record is considered a paragram of the Boring MW28R.	1 7-1	-							

State of Wisconsin Department of Natural Resources Route To:	Watershad/Westernet	T work		MONTTORNIC		Carlotte.
SES Project Number 506.77	Watershed/Wastewater Remediation/Redevelo			MONITORING WE Form 4400-113A	Rev. 7-98	
Facility/Project Name	Local Grid Location of W	Vell		Well Name	Nev. 7-90	
Dane County No. 2 Landfill Expansion	82509 ft. S	201298	■ E. □ W.	2011 422 21	N28R	
Facility License, Permit or Monitoring No.	Grid Origin Location	estimated: ()	Well Location	Wis. Unique Well No	DNR Well No	umber
	Lat		The second secon	The sample of the first	o. Divic wenter	miller
Facility ID	St. Plane			Date Well Installed		
	Section Location of Wast	_ II. N ₃	_ n. E. S/C/N	11/0	$\frac{5}{d} / \frac{2}{v} = \frac{0}{v} + \frac{4}{v}$	
Type of Well			□Е	Well Installed By: N	Jame (first last) a	nd Firm
Well Code11/_mw	1/4 of 1/4	of Sec, T	_N, R W			no I nin
Distance From Waste/ Enf. Stds.	Location of Well Relative u Upgradient	s Sidegradient	Gov. Lot Number	Sieve .	J. Hunger	
Source ft. Apply	d Downgradient	n Not Known		Soils & Enginee	ering Service	s. Inc.
A. Protective pipe, top elevation88	88.95 ft. MSL —		1. Cap and lock?		■ Yes	
	88.85 ft. MSL		2. Protective cover p	ipe:	- 1.0	
			a. Inside diameter:	£	4.	.0 in.
C. Land surface elevation8	886.1 ft. MSL		b. Length:		_ 7.	.0 ft.
D. Surface seal, bottom 881.1 ft. MS	5.0 a 3353	THE STREET	c. Material:		Steel	■ 04
	11		-		Other	
12. USCS classification of soil near screen:	- DAKON	CONTRACTOR OF THE PARTY OF THE	d. Additional prote		☐ Yes	■ No
	SW □ SP ■	111111111	If yes, describe			_
SM □ SC □ ML □ MH □ (Bedrock □ OL/OH □ PT □	CL CH CH	M M / /	3. Surface seal:		Bentonite	■ 30
	- No.		5. Surface scar.		Concrete	□ 01
	■ No				Other .	
14. Drilling method used: Rota			4. Material between	well casing and protec	tive pipe:	
Hollow Stem Aug	and the second s				Bentonite	3 0
Ott	her 🗆 💷		_		Other	100
Is Dalling duld and Many Hon	at make		5. Annular space sea	l: a. Granular/Chir	pped Bentonite	33
	Air □ 0.1		bLbs/gal m	ud weight Bentor	nite-sand slurry	□ 35
Drilling Mud □ 0 3 No	ne = 99	₩ ₩	cLbs/gal m	ud weight B	Bentonite slurry	□ 31
16. Drilling additives used? ☐ Yes	■ No		d% Benton	ite Bentonit	te-cement grout	□ 50
			e. 3.7 Ft3	volume added for any	of the above	
Describe			f. How installed:		Tremie	□ 01
17. Source of water (attach analysis):				7	Fremie pumped	□ 02
					Gravity	0.8
			6. Bentonite seal:	a. Ben	itonite granules	□ 33
969.1	10.0		b. □1/4 in. □3	3/8 in. □ 1/2 in. I	Bentonite chips	□ 32
E. Bentonite seal, top 868.1 ft, MSL	or 18.0 ft,		c. None	100 M 1 1 1 1 1	Other	
868.1	100		7. Fine sand material	: Manufacturer, produ	uct name and me	sh size
F. Fine sand, top 868.1 ft, MSL	or 18.0 ft.			ind and Gravel, #	#15 well slot	
G. Filter pack, top 866.1 ft. MSL	or	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	b. Volume added		. ft³	
G. Filter pack, top 866.1 ft. MSL	or 20.0 ft.	相图	8. Filter pack materia	d: Manufacturer, prod	duct name and me	esh size
W S	or22.0 ft			ind and Gravel, #	#40 well slot	
H. Screen joint, top 864.1 ft. MSL	or fi		b. Volume added	5.1	ft ³	
I. Well bottom 849.1 ft. MSL	or37.0 ft.		9. Well casing:	Flush threaded PV		23
1. Well bottom It. MSL	or 37.0 ft.			Flush threaded PV	VC schedule 80	□ 24
J. Filter pack, bottom 848.1 ft. MSL	or38.0 ft			Fileston a sur Ve		
J. Filter pack, bottom 848.1 ft. MSL	or n			Flush threaded F	VC schedule	9
K. Borehole, bottom 848.1 ft. MSL	or38.0 ft.		a. Screen Type:	40	Factory cut	
K. Borehole, bottom 848.1 ft, MSL	or H.			(Continuous slot	01
L. Borehole, diameter7,6 in.			The second	Dakor Motor C	Other	
L. Borehole, diameter			the state of the s	Baker Water Sys (Monoflex)		0
M. O.D. well casing 2.38 in.			a. Cita dies.	(MOHOHEX)	0.01	0 in.
ivi. O.D. well casing m.		1	d. Slotted length:	Call Control		0 ft.
N. I.D. well casing 2.07 in			Backfill material (below tifter pack):	None	Approximate the second
IN. I.D. Well cashing					Other	
I hereby cert.fy that the information on this for	m is true and correct to the	best of my knowledge				

Signature Craig M. Bower Firm Soils & Engineering Services, Inc. 1102 Stewart Street, Madison, Wisconsin 53713

Tel: 608-274-7600

Please complete both Forms 4400-113A and 4400-113B and return 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. Personnally 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.

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

	tion/Redevelo	opment [Waste Management ☐ Other ☐		SES F	roject Number 506.77
Facility/Project Name		County		Well Name		7.0
Dane County No. 2 Landfill Expa		resident	Dane		MV	/28R
Facility License, Permit or Monitoring Number		County Code	Wis. Unique Well Nu	mber	DNR Well	Number
		13			1	
1. Can this well be purged dry?	□ Yes	■ No	11. Depth to Water	Before Dev	elopment	After Development
2. Well development method:			(from top of	2.0	400	0.0.0.5
surged with bailer and bailed	□ 41		well casing)	a. <u>28</u>	.4 2 ft.	<u>2 8.4 5</u> ft.
surged with bailer and pumped	6 1					
surged with block and bailed			Date to C	4 / 4 4 / 0	0 4 4	14 14 16 4 10 17 20 20 20
	□ 42		Date b. 1	$\frac{1}{m} / \frac{1}{d} \frac{1}{d} / \frac{2}{y}$	$\frac{0}{y}$ $\frac{1}{y}$ $\frac{4}{y}$	$\frac{1}{m} \frac{1}{m} / \frac{1}{d} \frac{1}{d} / \frac{2}{v} \frac{0}{v} \frac{1}{v}$
surged with block and pumped	□ 62					
surged with block, bailed, and pumped	□ 7 ()			a.m.	□ a.m.
compressed air	□ 20)	Time	c. <u>1 1:3</u>	0 □ p.m.	<u>0 1:0 5 ■ p.m.</u>
bailed only)				Print
pumped only	□ 51	let i	12. Sediment in well	0.	0 inches	0.0 inches
pumped slowly	□ 50)	bottom		m.e.	
other		1	13. Water clarity		10	Clear ■ 20 Turbid □ 25
3. Time spent developing well	9	<u>5</u> min.		(Describe)		(Describe)
4. Depth of well (from top of well casing)	_ 3 9	<u>7</u> ft.				
5. Inside diameter of well	_ 2.0	<u>7</u> in.		-		
Volume of water in filter pack and well casing	12.	3 gal.				
			Fill in if drilling fluids	s were used and	well is at sol	id wasta facility
7. Volume of water removed from well	124	. <u>0</u> gal.		more nocu and		
8. Volume of water added (if any)	0	. <u>0</u> gal.	14. Total suspended solids		mg/l	mg/l
9. Source of water added			15. COD		mg/l	mg/l
			16. Well developed by	; Name (first, la	st) and Firm	
10. Analysis performed on water added? (If yes, attach results)	□ Yes	□ No	First Name: Kevin			ne: Hargis
17. Additional comments on development:			rum: Oons & Ch	gineering Se	ivices, iii	U.
After surging pump, discharge be	comes cle	ar after 30	to 60 seconds.			
3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 -	0011100 010	or and ad	io do acconiga,			
÷						
Name and Address of Facility Contact/Owner/Re	esponsible Pa	rty	I haraby cortificate at	a about in Comme	ation to service	and correct to the best of my
First Last Name: Name:			knowledge.			
Facility/Firm:			Signature:	Traig Mid	bower	
Street:			The second second	M. Bower		
City/State/Zip:			Firm: Soils	& Engineerir	ng Service	es, Inc.

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

			Ro	ute To:		d/Wastewater ion/Redevelopment		Waste M Other	fanage]	ment []				SES Pr	oject N	umber	506.77
															Pa	ge 1	of :	2
Facilit	y/Project stern E	t Nan	ne Dar	ne Cou	inty No. 2	Landfill Expan	sion,	License	/Permi	t/Monit	oring N	lumber		Boring	Numb	er	V302	
				of crew c	hief (first, la	st) and Firm		Date Dr	illing S	Started	-	Da	ate Drill	ing Co	mpleted			ing Method
	ve J. H			Consid	ces, Inc.			Nia			0044							
WI Ur	ique W	ell No	eemig 		Well ID No.	Common Well	Name	Final St		oer 5, ater Lev			NOV	embe	r 5, 2		HS	SA Diameter
Local	Callo	inio T	7/		TA D	MW302	AR					- =		,9 Fe				6 in
State] (estin			Location [C/N	L	at				Local	Grid Lo	cation	N		■ E
-		1/4 of		1/4 of S	ec,	ΓN, R	E/W		7.7						eet 🗌	s 20	1293	eet W
Facilit	y ID				County	Dane	C	County C 13				City/ or ladisc	Village					
San	nple	-	T		Tota	al Depth = 23'-	C"	10		City	OI IV	lauisc	1	Soil	Prop	erties		
	S (iii)	23	5		1018	11 Deptil - 23	.0					50	-		1 1			
pe je	Length Att. & Recovered (in)	Blow Counts	Depth In Feet		So	il/Rock Description					9	PID Readings	Pocket Penetrometer	0		2		S
Number and Type	ecove	ow (epth			Geologic Origin Fo	or		uscs	Graphic Log	Well	D Re	Pocket Penetro	Moisture Content	Liquid	Plasticity Index	P 200	RQD/ Comments
a Z	7 %	B	Ā	LEA	NCIAV	Each Major Unit (CL) — mediun	n nlacti	ioitu	CL	53	≥ Q	I I	Po	žő	2.2	Pla Inc	P 2	გვ
			Ε,	dark	brown, T	OPSOIL, trace	sand-[[6" /	- OL	- XXX	4		******	PATES	e rà nivers	1		
			1	thick		(CL) — mediun	n nlasti	icity		//								
	1		-2	brow	vn, organi	c odor, moist, v	ery sti	ff	CL	//	4	*						
			E_3	cons	sistency					//								
			3	SILT	TY SAND	(SM) — fine to	medin			/_/		4				00000	mmi	
			-4	grain	ned, non-	plastic to low pi	lasticity	/			1							
			E 5			brown, moist, and density, trace					BLA BL	A						
			E .	grav		acrony, mass	10 1110					N N						
			-6 -7									40ADADADA						
			-7									A A						
			Ē.									S S						
			E								E S	3	1					
			-9						SM		ici i							
			= 10						Sivi									
			E 10															
			-11															
			-12															
			E												1			
	11-7		-13							===								
			E-14															
			E .							-								
			-15							= 3	; :□;							
I hara	hy partil	i dest	the infe	irmation	on this fame	is true and correct			0.70								1 1	

Signature Craig M. Bower

Soils & Engineering Services, Inc.

Tel: 608-274-7600

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 form intended to be be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent. information, including where the completed form should be sent.

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

Facility/Project Name Dane County No. 2 Landfill Expansion, Eastern Expansion

2011111116		MW30	Use only as an attachment to Form 440	N-122,			-		Can	Pa		of	
and Type Length Att. & eldme Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID Readings	Pocket Penetrometer	Moisture Content	Liquid Limit	Plasticity estimates	P 200	RQD/ Comments
		16 -17 -18 -19 -20 -21 -22 -23	SILTY SAND (SM) — fine to medium grained, non-plastic to low plasticity fines, red and brown, moist, medium dense relative density, trace to little gravel (continued)	SM									
		24 25 26 27 28 29 30	NOTES1. Boring MW302AR completed by bline stratification specifics.2. The Legend Record is considered a Boring MW302AR.		-								1

State of Wisconsin Department of Natural Resources Route To:	Watershed/Wastewater	Was Name	·	MONITORING ME		بالاكتبية
SES Project Number 506.77	Remediation/Redevelopmen	Waste Manager		MONITORING WEL Form 4400-113A	L CONSTRU Rev. 7-98	
Facility/Project Name	Local Grid Location of Well		F.	Well Name	3300.00.00.00	
Dane County No. 2 Landfill Expansion	82932 ft. S.	201293 ft.	W.	MW3	02AR	
Facility License, Permit or Monitoring No.	Grid Origin Location (est			Wis. Unique Well No.	DNR Well No	umber
Facility ID	Lat			Date Well Installed		
	St. Plane ft. N Section Location of Waste/Sou	V, ft	E. S/C/N	$\frac{1}{m} \frac{1}{m} \frac{1}{0} \frac{5}{d}$	12014	
Type of Well	the state of the s		□E	Well Installed By: Nar	ne (first last) a	nd Firm
Well Code 11 / mw	1/4 of 1/4 of Sec Location of Well Relative to W		R W	Steve J.		no i nin
Distance From Waste/ Source B Enf. Stds. Apply		☐ Sidegradient	. Lot Number			_
Д. Т.	d Downgradient n	□ Not Known _		Soils & Engineeri	ng Service	s, Inc.
	9.53 ft. MSL	1.0	Cap and lock?		■ Yes	□ No
B. Well casing, top elevation 87	9.43 ft. MSL		Protective cover pi		1	0
	876.9 ft. MSL		Linside diameter: Length:			.0 in.
			. Material:			.0 ft. ■ 04
D. Surface seal, bottom 871.9 ft. MSI		1 1020021			Other	
12. USCS classification of soil near screen:	527525	A.C. COLL	l. Additional prote		☐ Yes	■ No
	SW SP CL CH CH		If yes, describe;			-
Bedrock □ OL/OH □ PT □	LL CILL		Surface seal:		Bentonite	3 0
13. Sieve analysis attached? ☐ Yes	■ No				Concrete	
14. Drilling method used: Rota	ary □ 5 0	₩ \ _{4.N}	Material between v	vell casing and protective	Other	
Hollow Stem Aug	ger ■41	₩ ₩		rem easing and protecti	Bentonite	3 0
Oth	her 🗆 📃	₩			Other	
Is Delta field and Man Hon		5, 4	Annular space seal	a. Granular/Chipp	ed Bentonite	33
15. Drilling fluid used: Water □ 0 2 A Drilling Mud □ 0 3 No	Air □01	b	Lbs/gal mu	ud weight Bentonit	e-sand slurry	□ 35
Dining Mad El V3 No	ne - 99	₩ • • • • • • • • • • • • • • • • • • •	Lbs/gal mi	ud weight Be	ntonite slurry	□ 31
16. Drilling additives used? ☐ Yes	■ No	d e	1 1 Bentoni	te Bentonite-	cement grout	□ 5 O
2012	8	8 8 f.	How installed:	volume added for any o	Tremie	D 01
Describe		₩ ₩	aron monarco.	Tre	mie pumped	
17. Source of water (attach analysis):		₩ ₩			Gravity	
		og kog	Bentonite seal:	a. Bento	nite granules	□ 3.3
868 0	or 8.8 n	∅	0. □1/4 in. □3 None	/8 in. □ J/2 in. Be	ntonite chips	□ 32
E. Bentonite seal, top 868.0 ft. MSL	or 8.8 ft.				Other	
F. Fine sand, top 868.0 ft. MSL	or 8.8 ft.		Red Flint Sa	Manufacturer, producend and Gravel, #1	t name and me	sh size
ti me bana, top		XXI IXXI /	. Volume added	fi		- 22
G. Filter pack, top 866.0 ft. MSL	or 10.8 ft.	3 8 / 8 F		l: Manufacturer, produ		esh size
]	Red Flint Sa	nd and Gravel, #4	0 well slot	2311 312.0
H. Screen joint, top 864.0 ft. MSL	or 12.8 ft.		. Volume added	3.5		
I. Well bottom 854.0 ft. MSL	22.8	9. V	Vell casing:	Flush threaded PVC		2 3
I. Well bottom 854.0 ft. MSL	or			Flush threaded PVC		□ 24
J. Filter pack, bottom 853.4 ft. MSL	or23.5 ft.			Flush threaded P\	Other	
The state of the s				40		
K. Borehole, bottom 853.4 ft. MSL	or	<i>"</i>	, sereon Type.		Factory cut ntinuous slot	
		-			Other	- Anna Carlotte
L. Borehole, diameter 7.6 in.	4	b	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Baker Water Syste	ems	
M. O.D. well casing 2.38 in.		0	. Dioc side,	Monoflex)	0.01	0 in.
M. O.D. well casing 2.38 in.			L Slotted length:	al Mic An		0 ft.
N. I.D. well casing 2.07 in.		11. 8	Backfill material (b	below filler pack):		14
					Other	Ц 22
I hereby certify that the information on this for	m is true and correct to the heat	of my knowledge				

Signature Craig M. Bower Firm Soils & Engineering Services, Inc.

Tel: 608-274-7600

Please complete both Forms 4400-113A and 4400-113B and return 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 controlled. Personnally identifiable information on these forms is not intended to be used for any other nursees. NOTE: See the instructions for more information including where the completed forms should be used. 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 Depar

NT

or wisconsin	MONITORING WE	LL DEVELOPMEN
tment of Natural Resources	Form 4400-113B	Rev. 7-98

	d/Wastewate		Waste Management		SES P	roject Number 506.77
Facility/Project Name	S-3E(3)2214	County	Giller 🖂	Well Name	2.00	-1
Dane County No. 2 Landfill Expar	nsion	10000	Dane	37 CH THUILE	1/1/1/3	02AR
Facility License, Permit or Monitoring Number	101011	County Code	Wis. Unique Well Nu	mber	DNR Well	
		13	3 2 2 4 1		2110 000	
1. Can this well be purged dry?	■ Yes	□ No	11. Depth to Water	Before Deve	lopment	After Development
Well development method: surged with bailer and bailed surged with bailer and pumped	■ 4 □ 6		(from top of well casing)	a. <u>20.</u>	0 3 ft.	<u>2_4.8_0</u> ft.
surged with block and bailed surged with block and pumped surged with block, bailed, and pumped	□ 4: □ 6: □ 7:	2	Date b, 1/m	$\frac{1}{m}/\frac{1}{d}\frac{0}{d}/\frac{2}{y}$		$\frac{1}{m} \cdot \frac{1}{m} / \frac{1}{d} \cdot \frac{1}{d} / \frac{2}{y} \cdot \frac{0}{y} \cdot \frac{1}{y}$
compressed air bailed only	□ 20 □ 10	0	Time	c. <u>1 1;3</u>		ALIE Y
pumped only	□ 5		12. Sediment in well	0,0) inches	$\underline{}$ 0.0 inches
pumped slowly other			bottom 13. Water clarity	Clear 🗆 1		Clear 20
3. Time spent developing well	9	<u>0</u> min.		Turbid 1 (Describe)		Turbid ■ 2.5 (Describe) Still reddish
4. Depth of well (from top of well casing)	_ 2 5	<u>4</u> ft.		reduisii		Suii reddisri
5. Inside diameter of well	2.0	<u>7</u> in.				
 Volume of water in filter pack and well casing 	5	8 gal.	Dittie to delica in the			
7. Volume of water removed from well	8	. <u>0</u> gal.	Fill in if drilling fluids	s were used and w	1.39	d waste facility:
8. Volume of water added (if any)	0	. <u>0</u> gal.	14. Total suspended solids		mg/l	mg/l
9. Source of water added		_	15. COD 16. Well developed by	Nama (First Inc.	mg/l	mg/l
 Analysis performed on water added? (If yes, attach results) 	☐ Yes	□ No	First Name: Kevin Firm: Soils & En			: Hargis
17. Additional comments on development:			Time Comp of Liv	ginopinig oci	vioco, iii	,
Well recharges very slow						
Name and Address of Facility Contact/Owner/Res First Last Name: Name;	sponsible Pa	rty	knowledge,			nd correct to the best of my
Facility/Firm:			Signature:	raig M. E	ower	
Street:			Print Name: Craig	M. Bower		
City/State/Zip:			Firm: Soils	& Engineering	Service	s, Inc.

SOIL BORING LOG INFORMATION

Form 4400-122

Rev. 7-98

Tel: 608-274-7600

				R	oute To:		ed/Wastewater ation/Redevelopment		Waste M Other [ment 🗌					SES Pr	oject N	umber	506.77
																Pa	ge 1	of	4
Facil	ity/P	rojec rn F	t Nan	e Da	ne Cou	inty No. 2	2 Landfill Expans	sion,	License/	Permi	t/Monito	ring N	umber	-	Boring	Numb			
						hief (first, li	ast) and Firm		Date Dr	illing S	Started	-	Da	ate Drill	ing Cor	npleted			2BR ling Method
			Hung		Cond	ana lan			Man	i e e e e e									
			ell No			ces, Inc. Well ID No	Common Well	Name			per 3, 2			NOV ce Eleva	embe	r 4, 2)14 Bc		SA Diameter
*		10		-TW			MW3021	BR							.9 Fe				.6 in
State							g Location ft. E. S/	C/N	La	at				Local	Grid Lo	cation	N		E E
-	_	_	1/4 of			Sec,		E/W		-		2				eet 🗌	s <u>20</u>	1298	Feet W
Facil	ity I	D				County	Dane	C	ounty Co				ity/or adisc	Village					
Sa	mp	le	- 7			Tot	al Depth = 61'-	0"	13		City	OI IVI	auisc	711	Soil	Prop	erties		
	ob	(i)	8	5		100	ar Deptir - 61 -	J					S	-					
ne ne	Lenoth Att	Recovered (in)	Blow Counts	Depth In Feet		Si	oil/Rock Description			SS		E	PID Readings	Pocket Penetrometer	e _		25		uts
Number and Tyne	Pront	ecov	low (epth		An	d Geologic Origin Fo	or		nsc	Graphic Log	Well Diagram	D Re	cket	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
Z	-	2 22	В	Ω.	LEA	NCLAY	Each Major Unit (CL) — medium	nlastic	city	CL	© 1	≥ A	F	P. P.	Σŏ	33	E 5	Ď,	≥ 3
	1			E,	dark	brown, 7	TOPSOIL, trace	sand-[6	6" /				otari	0.000	1			******	C-88550 () (1111
1	1	8	3	E	thick		(CL) — medium	n plastic	i	3	//			3.2,					∠M; 00
	1 8		5	E ⁻²	brov	vn, organ	ic odor, moist, v	ery stif	f	CL	//			2.0					
				E_3	cons	sistency					//	11							
	\dagger	5	2	ŧ.	SILT	TY SAND	(SM) — fine to	mediur	n – – –		4		e yer)11(3	M
2	19		4	E-4	grain	ned, non-	plastic to low pla brown, moist, r	asticity				1 L							
/	*		7	-5	dens	se relative	e density, trace												
				E 6	grav	'el					==-								
3	1		7	E															M
	18	12	7	F 7							===	Н							
				-8								18							
	\dagger		10	Ė,								Н							_M
4	(m)	8	13	<u>-9</u>						SM									IVI
/	Y		10	-10							==	31							
	1			E 11								Н							
5	11		5	Ē	1							3.8							440
	18	14	8	-12								3 1							∕M
				-13								ı							
	1		6	Ē.,															
6	18	12	12	E 14															∠ M
	*		12	15															
Lhar	abo	narti l	S. that	the in t	ometic -	on this fa-	n is true and correct to	a Mileton		1077.y				-					
Sign			/ mat	are IIII	AA A			Soils				de la							

Firm Soils & Engineering Services, Inc. 1102 Stewart Street Madison, Wisconsin 53713 Craig M. Bower 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 Fax: 608-274-7511 information, including where the completed form should be sent. Printed on 12/9/2014

SOIL BORING LOG INFORMATION SUPPLEMENT Rev. 7-98

Form 4400-122A

SES Project Number 506.77

Facility/Project Name Dane County No. 2 Landfill Expansion, Eastern Expansion

and Type Length Att. & Recovered (in)	Counts	eet		1			-		Prop			
	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	uscs	Graphic Log Well Diagram	PID Readings	Pocket Penetrometer	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
81-14-16-18-18-18-18-18-18-18-18-18-18-18-18-18-	9 15 17 14 19 21 6 10 10		SILTY SAND (SM) — fine to medium grained, non-plastic to low plasticity fines, red and brown, moist, medium dense relative density, trace to little gravel (continued)	SM								_M _м
81 14 18 18 18 18 12 18 14 14 14 14 14 14 14 14 14 14 14 14 14	3 5 8 5 12	-27 -28 -29 -30 -31 -32 -33 -34 -35 -36 -37	POORLY-GRADED SAND (SP) — fine to medium grained, brown, wet, medium dense to dense relative density	SP						V 1 - 0000 v 3		_w _w _w

ALCOHOL TO LINE AND ADDRESS.

Facility/Project Name Dane County No. 2 Landfill Expansion, Eastern Expansion

ample	DCI IV	1000	Use only as an attachment to Form 4400-	-122.		Ŧ		Soil		ge 3 erties	of	4
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 Readings	Pocket Penetrometer	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
3 V 18 V 2 V 2 V 2 V 2 V 2 V 2 V 2 V 2 V 2 V	8 15 17 8 19 28	40 -41 -42 -43 -44 -45 -46 -47 -48 -49 -50	POORLY-GRADED SAND (SP) — fine to medium grained, brown, wet, medium dense to dense relative density (continued)	SP		a	d.			T. I.	. I	W 0
85 12	5 19 24	51 -52 -53 -54 -55 -56 -57 -58 -59										~W ~W

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

Facility/Project Name Dane County No. 2 Landfill Expansion, Eastern Expansion

Recovered (in)	Blow Counts	Feet				1				1	erties		
	Blo	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit Boring MW302BR.	nscs	Graphic Log	Well	PID Readings	Pocket Penetrometer	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
		Ē	Boring MW302BR.					- 1					100
		-64									1 4	H	
		-65											
		E_66											
		E											
		E-67											
		68											
i		-69											
		E_70											
		E											
		E 71											
		72											
		E 74											
		E											
		E-75											
		76											
		E-77						1					
		- 70											
		E'*											
		-79											
		80											
		E_81											
		E 02											
		E 82											
		83											
		E-84											
		E_85											
		E											
		E-86											
			-65 -66 -67 -68 -69 -70 -71 -72 -73 -74 -75	-65 -66 -67 -68 -69 -70 -71 -72 -73 -74 -75 -76 -77	-65 -66 -67 -68 -69 -70 -71 -72 -73 -74 -75 -76	-65 -66 -68 -69 -70 -71 -72 -73 -74 -75 -76	-65 -66 -67 -68 -69 -70 -71 -72 -73 -74 -75 -76	-65 -66 -67 -68 -69 -70 -71 -72 -73 -74 -75 -76 -77	-65 -66 -67 -68 -70 -71 -72 -73 -74 -75 -76	-65 -66 -67 -68 -69 -70 -71 -72 -73 -74 -75 -76 -77	-65 -66 -67 -68 -69 -70 -71 -72 -73 -74 -75 -76	-66 -67 -68 -69 -70 -71 -72 -73 -74 -75 -76	66 66 68 69 -70 -71 -72 -73 -74 -75 -76 -77

State of Wisconsin Department of Natural Resources Route To:	Weterladay	T we seek		MONTONICO		22:00
SES Project Number 506.77	Watershed/Wastewater [Remediation/Redevelopr	ment Other	agement	MONITORING WEI Form 4400-113A	Rev. 7-98	
Facility/Project Name	Local Grid Location of Wel	IL	EX.	Well Name	101.770	
Dane County No. 2 Landfill Expansion		201298 ft	E. W.	MW3	802BR	
Facility License, Permit or Monitoring No.	Grid Origin Location	(estimated: 🔲)	Well Location	Wis. Unique Well No.	DNR Well No	ımber
	Lat	Long	or			
Facility ID	St. Plane	ft. N.	ft, E. S/C/N	Date Well Installed	100.00	
Type of Well	Section Location of Waste/	Source		$\frac{1}{m} \frac{1}{m} / \frac{0}{d} \frac{4}{d}$	$\frac{1}{2} \frac{0}{v} \frac{1}{v} \frac{4}{v}$	4
Well Code 12 / pz	1/4 of 1/4 of	Sec. T.	_N, R D E	Well Installed By: Na	me (first,last) ar	ad Firm
Distance From Waste/ Enf. Stds.	Location of Well Relative to	o Waste/Source	Gov. Lot Number	Steve J	. Hunger	
Source ft. Apply		s 🗆 Sidegradient		Soils & Engineer	ing Conting	
	d Downgradient 79.52 ft. MSL	n 🗀 Not Known	1. Cap and lock?	Cons & Engineer		
			2. Protective cover p	ino:	■ Yes	□ No
B. Well easing, top elevation 87	79.42 ft MSL		a. Inside diameter.	•	4.	0 in
C. Land surface elevation 8	376.9 ft. MSL		b. Length:		7.	0 ft.
D. Surface seal, bottom 861.9 ft. MS		The state of	c. Material:			■ 04
	L or 10.0 ft.	1000			Other	100000
12. USCS classification of soil near screen:	D)KOY (O)	Paris Concorn	d. Additional prote	ection?	□ Yes	■ No
	SW □ SP ■		If yes, describe			
Bedrock □ OL/OH □ PT □	CL CH C		3. Surface seal:		Bentonite	3.0
13. Sieve analysis attached? ☐ Yes	■ No		D. Darinee Bein.		Concrete	(September 1)
			T. C. and Champan		Other	
14. Drilling method used: Rota Hollow Stem Au	1. Mar. 1. Company of the Company of		4. Material between	well casing and protecti		5.00
	her 🗆 💷				Bentonite	3 0
	iici 🗀 🔤		A MARKET NO. 15	I a superior and a su	Other	
15. Drilling fluid used: Water □ 0 2	Air □ 0 1		5. Annular space sea	d: a. Granular/Chip	ped Bentonite	□ 33
Drilling Mud □ 0.3 No			b. 1.10 Lbs/gal m	nud weight Bentoni	te-sand slurry	3 3 5
	1000000		cLos/gal m	ud weight Be	entonite slurry	□ 31
16. Drilling additives used? ☐ Yes	■ No		e. 7.4 Ft ³	ite Bentonite volume added for any o	-cement grout	□ 50
TAX COMP			f. How installed:	volume added for any c	Tremie	ET 01
Describe			ii iioii iiistalieti		remie pumped	
17. Source of water (attach analysis):					Gravity	
			6. Benfonite seal:	a Rent	onite granules	
				3/8 in. □ 1/2 in. B	entonite chins	□ 32
E. Bentonite seal, top 825.9 ft. MSL	or 51.0 ft.		c. None		Other	
205.0			7. Fine sand material	: Manufacturer, produc	ct name and mes	
F, Fine sand, top 825.9 ft. MSL	or51.0 ft.		a. Red Flint Sa	and and Gravel, #	15 well slot	
922.0	500		b. Volume added		ft ³	
G. Filter pack, top 823.9 ft. MSL	or53.0 ft.	/B B/	8. Filter pack materia	al: Manufacturer, produ	ict name and mo	esh size
821.0	55.0		a. Red Flint Sa	and and Gravel, #4	10 well slot	. 10
H. Screen joint, top 821.9 fi. MSL	or <u>55.0</u> ft		b. Volume added		H³	
I. Well bottom 816.9 ft. MSL	or60.0 ft. <		9. Well casing:	Flush threaded PV		2 3
1. Well bottom H. MSL	or <u>60.0</u> ft.			Flush threaded PV		□ 24
J. Filter pack, bottom815.9 ft. MSL	or 61.0 ft		10 C	Flush threaded D'	Other	
pues, contain ii. IVISL	- II			Flush threaded P ¹ 40		
K. Borehole, bottom 815.9 ft. MSL	or 61.0 ft.		a. Screen Type:		Factory cut	
Tr Wot				C	ontinuous slot	
L. Borehole, diameter		V////X	b. Manufacturer	Baker Water Syst	Other	Ц ==
		1		(Monoflex)	0.01	0 in.
M. O.D. well casing 2.38 in.		1	d. Slotted length:		5.	
			II. Backfill material (below filter pack):	None	
N. I.D. well casing 2.07 in.					Other	
A STATE OF THE STA						
I hereby certify that the information on this for	m is true and correct to the b	nor of marting and a few				

Signature Craig M. Bower Firm Soils & Engineering Services, Inc. 1102 Stewart Street, Madison, Wisconsin 53713

Tel: 608-274-7600 Fax: 608-274-7511

Please complete both Forms 4400-113A and 4400-113B and return 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. Personnally 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.

Sta Dep

ite of Wisconsin	MONITORING W	ELL DEVELOPMEN
partment of Natural Resources	Form 4400-113B	Rev. 7-98

Route To: Watershed/Wa	stewater 🗌 Redevelopment 🗍	Waste Management ☐ Other ☐		SES Project Number 506.77
Facility/Project Name	County		Well Name	
Dane County No. 2 Landfill Expansion		Dane	7, 53, 2, 4412	MW302BR
Facility License, Permit or Monitoring Number	County Code		mber	DNR Well Number
	1.3			
1. Can this well be purged dry?	□ Yes ■ No	11. Depth to Water	Before Dev	elopment After Development
Well development method:		(from top of	a. 20	.3 2 ft 2 0 .8 5 ft.
surged with bailer and bailed	□ 41	well casing)		n n.
surged with bailer and pumped	61			
surged with block and bailed	□ 42	Date b. 1	1/10/2	$\frac{2}{y} \cdot \frac{0}{y} \cdot \frac{1}{y} \cdot \frac{4}{y} = \frac{1}{m} \cdot \frac{1}{m} \cdot \frac{1}{4} \cdot \frac{0}{4} \cdot \frac{2}{y} \cdot \frac{0}{y} \cdot \frac{1}{y}$
surged with block and pumped	□ 62	m	m d d y	y y y m m d d y y y
surged with block, bailed, and pumped	□ 70			□ a.m. □ a.m.
compressed air	□ 20	Time	c. 1 2:3	0 ■ p.m. 0 2:0 0 ■ p.m.
bailed only	□ 10			p.m.
	□ 51	12. Sediment in well	0	. 0 inches 0.0 inches
	□ 50	bottom		
		13. Water clarity	Clear	10 Clear ■ 20
		351 (1.335) (1.311)		15 Tmbid 25
3. Time spent developing well	9 0 min.		(Describe)	(Describe)
5. Thire spent developing wen	<u> </u>		(a. a.a.a.a.)	(a satisfied)
4. Depth of well (from top of well casing)	6 2 5 ft.		_	
4. Deput of wen (from top of wen casing)	0 2.5 n.		_	
5. Inside diameter of well	2.0 7 in.		-	
_	<u> </u>			
6. Volume of water in filter pack and well			_	
casing	7.4 gal.	18	_	
		Fill in if drilling fluid	s were used and	well is at solid waste facility:
7. Volume of water removed from well	8 9 .0 gal.	i ii ii ii arang nata	s were asea and	well is at solid waste facility.
		14. Total suspended		en all
8. Volume of water added (if any)	0_0_gal.	solids		mg/l mg/l
=				
Source of water added		15. COD		
		16. Well developed by	: Name (first, la	ast) and Firm
10. 5. 1. 7	e v.Cheroof	First Name: Steve		Last Names Hungar
	☐ Yes ☐ No	rust Name: Steve		Last Name: Hunger
(If yes, attach results)		Firm: Soils & En	gineering Se	ervices, Inc.
17. Additional comments on development:				
After surging pump, discharge becom	es clear after 30	0 to 60 seconds.		
		o to do doddings.		
Name and Address of Facility Contact/Owner/Respon	sible Party			
First Last	Sidic Farry	I hereby certify that the	he above informa	ation is true and correct to the best of my
Name:Name:		knowledge.		
- Turib.		N.	^ - · - ^^	A .
Facility/Firm:		_ Signature:	Craig Mis	so wer
			U	
Street:		Print Name: Craig	M. Bower	
City/State/Zip:		Firm: Soils	& Engineering	ng Services, Inc.

SOIL BORING LOG INFORMATION

Form 4400-122

Rev. 7-98

Hunger and Engue wern VU612 d Origin and Origin and Origin 27300	: Name of the control	If #2 (Rodefeld) of crew chief (first, last) g Services, Inc DNR Well TD No. 143 satimated: 144 N, 1/4 of Section	Common Well Name WT-208ARR oring Location	-	6/20	/2018 ater Leve	1 1			ing Cor			ho		
Hunger and Engue Wat N VU617 a Origin ane 1/4 of 27300 e	gineerin No. 1 (6 381,1	g Services, Inc DNR Well ID No. 143 stimated: (1) or B 144 N, 2,199,014 I 1/4 of Section 25, County	Common Well Name WT-208ARR oring Location	Final St	6/20	/2018 ater Leve						4	ho	llow stem	
VU611 d Origin ane 1/4 of 27300	NO. 1 (€ 381,1 NW	143 setimated:	- WT-208ARR oring Location ⊠ E (S)/C/N	-	atic VV	ater Leve	1	Surfac		01 - 11 -				hollow stem	
a Origin ane 1/4 of 27300	381,1 NW	strimated:) or B 144 N, 2,199,014 I 1/4 of Section 25, County	oring Location E S/C/N	i .	Feet N					ice Elevation Bor				enole Diameter	
1/4 of 27300 e.	381,1 NW	144 N, 2,199,014 I 1/4 of Section 25, County	E S/C/N	La						872.6 Feet MSL				8.0 inches	
27300 e		County	T7 N,R10E	Lat"					-990			V		DE	
27300 e	70	1000		Long County Co		0		20		Feet			F	eet 🗆 W	
е	tot	Date				Civil To		ty/ or \	/illage						
-	***		113127300 Dane Sample			Madis	SON		1:	Soil	Prope	rties	_		
0 1 3	Depth In Feet	Soil/f And G Ea		scs	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content		Plasticity Index	00	RQD/ Comments		
Rec Blo	Deg		th sand, little f-m sa		SO	Grapi	Ve Dia	믑	Str	No.	Liquid	Plas	P 200	S S	
24 3 18 4 6 6	2	(subrounded), trace gravel, trace cobbles. Medium to high plasticity, brown (7.5 YR 4/4), moist, very stiff. (Loess)							2.75						
8 16 17 22	5				SW-SN										
4 3 6 6 5	6 7 8	SILTY SAND WITH GRAVEL, fine to medium, subrounded, little silt, little gravel. Brown (10 YR 5/4), moist, loose. (Till) As Above, but wet						1							
4 6 6 7 7 7	9 10	As above, but reddish brown (5 YR 4/4)			SM										
248	3 6 6 6 5 6 6 6 7 7	3 4 6 2 2 3 7 16 4 17 22 1 5 6 6 6 5 7 10 11 1 1 1 1 2	WELL GRADEL to coarse, subroun yellowish brown medium density. (SILTY SAND W medium, subroun Brown (10 YR 5/ As Above, but we have a subroun to coarse, subroun yellowish brown medium density. (SILTY SAND W medium, subroun Brown (10 YR 5/ As Above, but red As above, but red	4/4), moist, very stiff. (Loess) WELL GRADED SAND WITH SILT to coarse, subrounded, few silt, few gradium density. (Till) SILTY SAND WITH GRAVEL, fine medium, subrounded, little silt, little gradium, subrounded, siltle silt, little gradium, subrounded, siltle silt, little gradium, subrounded, siltle siltle siltle siltle s	WELL GRADED SAND WITH SILT, fine to coarse, subrounded, few silt, few gravel. Yellowish brown (10YR 5/4), moist, medium density. (Till) SILTY SAND WITH GRAVEL, fine to medium, subrounded, little silt, little gravel. Brown (10 YR 5/4), moist, loose. (Till) As Above, but wet As above, but reddish brown (5 YR 4/4)	WELL GRADED SAND WITH SILT, fine to coarse, subrounded, few silt, few gravel. Yellowish brown (10YR 5/4), moist, medium density. (Till) SILTY SAND WITH GRAVEL, fine to medium, subrounded, little silt, little gravel. Brown (10 YR 5/4), moist, loose. (Till) As Above, but wet As above, but reddish brown (5 YR 4/4) SM	WELL GRADED SAND WITH SILT, fine to coarse, subrounded, few silt, few gravel. Yellowish brown (10YR 5/4), moist, medium density. (Till) SILTY SAND WITH GRAVEL, fine to medium, subrounded, little silt, little gravel. Brown (10 YR 5/4), moist, loose. (Till) As Above, but wet As above, but reddish brown (5 YR 4/4) SM SM SM SM SM SM SM SM SM S	WELL GRADED SAND WITH SILT, fine to coarse, subrounded, few silt, few gravel. Yellowish brown (10YR 5/4), moist, medium density. (Till) SILTY SAND WITH GRAVEL, fine to medium, subrounded, little silt, little gravel. Brown (10 YR 5/4), moist, loose. (Till) As Above, but wet As above, but reddish brown (5 YR 4/4) SM	WELL GRADED SAND WITH SILT, fine to coarse, subrounded, few silt, few gravel. Yellowish brown (10YR 5/4), moist, medium density. (Till) SILTY SAND WITH GRAVEL, fine to medium, subrounded, little silt, little gravel. Brown (10 YR 5/4), moist, loose. (Till) As Above, but wet As above, but reddish brown (5 YR 4/4) SM	4/4), moist, very stiff. (Loess) WELL GRADED SAND WITH SILT, fine to coarse, subrounded, few silt, few gravel. Yellowish brown (10YR 5/4), moist, medium density. (Till) SILTY SAND WITH GRAVEL, fine to medium, subrounded, little silt, little gravel. Brown (10 YR 5/4), moist, loose. (Till) As Above, but wet As above, but reddish brown (5 YR 4/4) SM	4/4), moist, very stiff. (Loess) WELL GRADED SAND WITH SILT, fine to coarse, subrounded, few silt, few gravel. Yellowish brown (10YR 5/4), moist, medium density. (Till) SILTY SAND WITH GRAVEL, fine to medium, subrounded, little silt, little gravel. Brown (10 YR 5/4), moist, loose. (Till) As Above, but wet As above, but reddish brown (5 YR 4/4) SM	4/4), moist, very stiff. (Loess) A/4), moist, very stiff. (Loess) CL WELL GRADED SAND WITH SILT, fine to coarse, subrounded, few silt, few gravel. Yellowish brown (10YR 5/4), moist, medium density. (Till) SILTY SAND WITH GRAVEL, fine to medium, subrounded, little silt, little gravel. Brown (10 YR 5/4), moist, loose. (Till) As Above, but wet As above, but reddish brown (5 YR 4/4) SM	4/4), moist, very stiff. (Loess) A/4), moist, very stiff. (Loess) WELL GRADED SAND WITH SILT, fine to coarse, subrounded, few silt, few gravel. Yellowish brown (10YR 5/4), moist, medium density. (Till) SILTY SAND WITH GRAVEL, fine to medium, subrounded, little silt, little gravel. Brown (10 YR 5/4), moist, loose. (Till) As Above, but wet As above, but reddish brown (5 YR 4/4) SM	WELL GRADED SAND WITH SILT, fine to coarse, subrounded, few silt, few gravel. Yellowish brown (10 YR 5/4), moist, medium density. (Till) SILTY SAND WITH GRAVEL, fine to medium, subrounded, little silt, little gravel. Brown (10 YR 5/4), moist, loose. (Till) As Above, but wet As above, but reddish brown (5 YR 4/4) SM	

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

SOIL BORING LOG INFORMATION SUPPLEMENT Form 4400-122A

E me	Soil/Rock Description And Geologic Origin For Each Major Unit TY SAND WITH GRAVEL, fine to dium, subrounded, little silt, little gravel. own (10 YR 5/4), moist, loose. (Till) ntinued)	nscs	Graphic	A	Diagram PID/FID	Compressive Strength	Moi sture Content	Liquid	Plasticity G Index	00Zd	Rh=6.536x10
5 SIL me Bro (co	dium, subrounded, little silt, little gravel. own (10 YR 5/4), moist, loose. (Till)			A	1.1					17.5	
											cm/sec
24 15 -19 As 13 -20 -21 -22 -	above, with medium density	SM								7	
= 23	E.O.B. at 23 feet BGS.										-

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

Route To: Watershed				Waste Management Other □	<u> </u>				
Facility/Project Name			ounty		Wal Name	е			
Dane County Landfill #2 (Rodefeld))			Dane			208ARR		
Facility License, Permit or Monitoring Number		Co	unty Code	Wis, Unique Well Nu		DNR We	Number		
03018		_1	13	VU61	11		143		
1. Can this well be purged dry?	\boxtimes	⊠ Yes □ No		11. Depth to Water	Before Dev	vel opiment	After De	After Development	
2. Well development method:				(from top of	a.	9.15 ft.		22.31 ft.	
surged with bailer and bailed		41		well casing)		8,18,11			
surged with bailer and pumped	\boxtimes	61							
surged with block and bailed		42		Date	b. 6/2	1/2018	6/	21/2018	
surged with block and pumped		62							
surged with block, bailed, and pumped		70				×	a.m.	□а	
compressed air		20		Time	C.	10:00 □		12:30 ⊠ p	
bailed only		10		12.05					
pumped only		51		12. Sediment in well	a 15	2.8 inches		0.0 inches	
		50		bottom		-11-11/11/11/11		444. 035/162	
pumped slowly		30		13. Water clarity	Clear 🗆	10	Clear 🗆	20	
other				15, Water clarity	Turbid ⊠ (Describe)	15	Turbid ⊠ (Describe)		
Time spent developing well		150	min.					det altre e	
4. Depth of well (from top of well casing)		25.2	ft.		High tur light bro		Low tur		
5. Inside diameter of well		2.07	in.						
6. Volume of water in filter pack and well		12.4	240				-		
casing		12.4	gai.	Fill in if drilling fluids	were used and	d well is at so	lid waste faci	liby:	
		FF 0	0.00	I'm in it drilling haids	, was assa an	a war is at so	na waste rac	incy.	
7. Volume of water removed from well		55.0	gai.	14. Total suspended		mg/l	124.0) mg/l	
8, Volume of water added (if any)			gal.	solids					
9, Source of water added		_		15. COD		mg/l		mg/l	
				16. Well developed by	: Person's Nan	ne and Firm			
10. Analysis performed on water added?		Yes [] No	Steve H	under				
(If yes, attach results)						- Consison	les		
17. Additional comments on development:				Solisan	d Engineerin	ig Services	, Inc.		
Well was gently surged with bailer and pumping cycles.	d purg	ged dry	10 times	with a pump. Well v	vas given 10) minutes to	o recharge l	between	
Facility Address or Owner/Responsible Party Addr									
radility Address of Owner Responsible Fairty Addr	833			I hereby certify that th	e above inform	nation is true	and correct to	the best of my	
Name; John Welch				knowledge.				-	
Firm: Dane County				Signature:)h~	CO	lal		
Street: 1919 Alliant Energy Cener Way				(. Oswald				
M. F. 140 F0740				Carmon	retono Envir	onmontal C	Prouin.		
City/State/Zip: Madison, WI 53713				Firm: Corne	rstone Envir	orinana C	oroup		

State of Wisconsin Department of Natural Resources Route To:	Watershed/Wastewater ☐ Waste	Management ⊠	MONITORING WELL CONST	FRUCTIO	M
Facility/Project Name	Remediation/Redevelopment Other		Form 4400-113A Rev. 7		1.0
A CONTRACTOR OF THE PROPERTY O	Local Grid Location of Well	ΠĒ	Well Name		
Dane County Landfill #2 (Rodefeld) Facility License, Permit or Monitoring No.	tt. ns	_ft. □ W. r Well Location 🔯	WT-208ARR Wis. Unique Wal No. DNR We	N Number	_
03018	Lat,Long	or	The second secon		
Facility ID	St. Plane 381,144 ft. N. 2,199,01		Date Well Installed	143	_
113127300	Section Location of Waste/Source	4 ft. E. S/C/N	06/21/2018		
Type of Well	NE 1/4 of NW 1/4 of Sec. 25 T.	7 N, R10 ⊠ E		ie and Firm	n)
Well Code 11/mw Distance from Waste/ IEnt. Stds.	Location of Well Relative to Waste/Source	Gov. Lot Number	Steve Hunger		
Source 230 ft. Apply	u ☐ Upgradient s ☐ Sidegradien d ☒ Downgradient n ☐ Not Known		SES, Inc		
A. Protective pipe, top elevation87	76.04 ft. MSL	_1. Cap and lock?		Yes □ No	0
B. Well casing, top elevation 87	75.75 ft. MSL	Protective cover p		100	
	372.6 ft. MSL	a. Inside diameter		4.0	in.
		b. Length:	Ste	5.0 el 🗵 0	
D. Surface seal, bottom871.0 ft. MSL	or 1.6 ft.	7/4	Oth		+
12. USCS classification of soil near screen:		d. Additional prot		res ⊠ No	0
	W G SP G	If yes, describe		_	
Bedrock □		3. Surface seal;	Bentonit		3
13. Sieve analysis attached? ⊠ Ye	s □No		Concret	-	1
14. Drilling method used: Rotan	v □50	4. Material between	Otherwell casing and protective pipe:	а Ц	
Hollow Stem Auger	⊠41		Bentonit	te 🛛 30	0
Othe	r 🗆 🗎		Othe	er 🗆 🔛	*
15. Drilling fluid used: Water □ 0 2 A	ir 🗆 0 1		l; a. Granular/Chipped Bentonite		3
Drilling Mud □ 03 None	e 🗆 99		ud weight Bentonite-sand slurry		5
		cLbs/gal m d% Benton			
16. Drilling additives used? ☐ Ye	s ⊠No		ite Bentonite-cement grout volume added for any of the above	□ 50)
Describe		f. How installed:	Tremi	The second second	1
17. Source of water (attach analysis, if required	0.		Tremie pumped	□ 02	2
(′		Gravit	ty ⊠ 08	3
l'a		6. Bentonite seal:	a. Bentonite granules		
E. Bentonite seal, top 872.6 ft. MSL of	s No y 50	7 b. □ 1/4 in. ⊠ 3	3/8 in. □ 1/2 in. Bentonite chips Othe	s ⊠ 32 er □	2
	1 001 001 /	7. Fine sand material	: Manufacturer, product name & m		
F. Fine sand, top 866.6 ft. MSL c	or <u>6.0</u> ft. or <u>6.5</u> ft.		Flint Sand #15 (1/2 bag)		
G. Filter pack, top 866.1 ft. MSL of	or6.5 ft.	b. Volume added	ft³		
TI. MSL C	" — " — M M		l: Manufacturer, product name & r Flint Sand #40 (7 bags)	mesh size	
H. Screen joint, top 865.5 ft, MSL c	or	b. Volume added	3.5 ft ¹	_	
			Flush threaded PVC schedule 40	⊠ 23	
I. Well bottom 850.5 ft, MSL o	or	A ST THE RESERVE TO SERVE THE SERVE	Flush threaded PVC schedule 80	□ 24	
150 21 24 24 24 24 24 24 24 24 24 24 24 24 24		1	Othe		
J. Filter pack, bottom849.6 ft. MSL o	or23.0ft.	10. Screen material;	Schedule 40 PVC	_	
K. Borehole, bottom849.6 ft, MSL o	or23.0 ft. \	a. Screen Type:	Factory cut	and the same of th	
3,4 10, 25 3	. —		Continuous slot Othe		
L. Borehole, diameter8.0 in.		b. Manufacturer	Monoflex		
		c. Slot size:		0.010 j	n.
M. O.D. well casing 2.38 in.		d. Slotted length:	A	15.0	ft,
N. I.D. well casing 2.07 In.		11. Backfill material (b		-	
In.			Other	r 🗆	
I hereby certify that the information on this form	is true and correct to the best of my knowledge				-
Signature 1. C CO	Cornerstone Environmenta	al Group		Tel	-
Please complete for the forms dated and a seed stated	8413 Excelsior Drive, Suit		The state of the s	Fax	

Prease complete forth 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.