

Appendix F

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

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

B-222C

Route To: Watershed/Wastewater ☐ Waste Management ☒
Remediation/Redevelopment ☐ Other ☐


Page 1 of 3

Facility/Project Name Dane County Landfill No. 3 (Proposed) SCS#: 25222268.00			License/Permit/Monitoring Number		Boring Number B-222C	
Boring Drilled By: Name of crew chief (first, last) and Firm Scott Klumb Soils & Engineering Services, Inc.			Date Drilling Started 2/8/2023		Date Drilling Completed 2/10/2023	
Drilling Method HSA 4.25" ID & HQ Core						
WI Unique Well No. --	DNR Well ID No. --	Common Well Name --	Final Static Water Level 885.7 Feet MSL		Surface Elevation 900.2 Feet MSL	
			Borehole Diameter 8.3" & 3.8"			
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input checked="" type="checkbox"/> State Plane 378,425 N, 2,168,164 E S / C / N SW 1/4 of SE 1/4 of Section 25, T 7 N, R 10 E			Lat _____ ° _____ ' _____ " _____" Long _____ ° _____ ' _____ " _____"		Local Grid Location Feet <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
Facility ID		County Dane	County Code 13	Civil Town/City/ or Village City of Madison		

Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	
			1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	Blind drilled to 20' bgs. (See B-222 log for lithology from 0' to 17' bgs.)										Measured depth to water at 14.5' bgs.

Measured depth
to water at 14.5'
bgs.

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

Signature  Jackie Rennebohm, PG Firm SCS Engineers
2830 Dairy Drive, Madison, WI 53718

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be 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		Use only as an attachment to Form 4400-122.										Page 2 of 3		
Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	
Run 1	11.5	7 42 51/3	16	Blind drilled to 20' bgs. (See B-222 log for lithology from 0' to 17' bgs.)										
			17											
			18											
			19											
			20											
			21											
			22											
			23											
			24											
			25											
S1	11	7 42 51/3	26	SANDSTONE (SS3), dark gray (7.5YR 4/1), fine to medium grained, poorly sorted, with sulfide nodules and veins (pyrite), massive. (Ancell Group, St. Peter Formation, Readstown Member).										
			27											
			28											
			29											
			30											
			31											
			32											
			33											
			34											
			35											
S2	7"	14 86 34	34	With green (glauconite) silt and clay, cross-bedded.										
			35											
			36											
			37											
			38											
			39											
			40											
			41											
			42											
			43											
Run 2	72		39	From 38' to 39' bgs, poorly graded, mixed with green and black clay and dolomite clasts.										
			40											
				DOLOMITE (DL3), gray (10YR 6/1), massive to thinly bedded with shale, green clay, and sand.	DL3									

FF=2.6/ft
Percent
Recovery=19%
RQD=10%, very
poor Drilling
fluid is very dark
gray and sandy.
Cored from 20'
to 26' bgs.

Switched to HSA
and splitspooned
from 26' to 35'
bgs.

FF=1.96/ft
Percent
Recovery=90%

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number **B-222C** Use only as an attachment to Form 4400-122. Page **3** of **3**

Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	
			41	(Prairie du Chien Group, Shakopee Formation, Willow River Member)	DL3	/								RQD=63%, fair Switched to coring from 35' to 43' bgs.
			42	DOLOMITE (DL3), gray (10YR 6/1), massive to thinly bedded with shale, green clay, and sand. (Prairie du Chien Group, Shakopee Formation, Willow River Member)		/								
			43			/								
				End of boring at 43' bgs in dolomite. Abandoned borehole with bentonite grout and bentonite chips.										

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

☐ **Verification Only of Fill and Seal****Route to DNR Bureau:**☐ Drinking Water☐ Watershed/Wastewater☐ Remediation/Redevelopment☒ Waste Management☐ Other: _____**1. Well Location Information**

County Dane	WI Unique Well # of Removed Well _____	Hicap # B-222C
-----------------------	--	--------------------------

Latitude / Longitude (see instructions) _____ N _____ W	Format Code <input type="checkbox"/> DD <input type="checkbox"/> DDM	Method Code <input type="checkbox"/> GPS008 <input type="checkbox"/> SCR002 <input type="checkbox"/> OTH001
---	--	--

1/4 1/4 SW or Gov't Lot #	1/4 SE	Section 25	Township 7 N	Range 10	<input checked="" type="checkbox"/> E <input type="checkbox"/> W
------------------------------	--------	----------------------	------------------------	--------------------	---

Well Street Address
7101 US Highway 12 & 18Well City, Village or Town
Madison, WISubdivision Name

Well ZIP Code
53718
Lot #
_____Reason for Removal from Service
Temporary Borehole
WI Unique Well # of Replacement Well
_____**3. Filled & Sealed Well / Drillhole / Borehole Information**☐ Monitoring Well☐ Water Well☒ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy)

02/10/2023If a Well Construction Report is available,
please attach.

Construction Type:

☒ Drilled☐ Driven (Sandpoint)☐ Dug☐ Other (specify): _____

Formation Type:

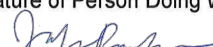
☒ Unconsolidated Formation☒ BedrockTotal Well Depth From Ground Surface (ft.)
43Casing Diameter (in.)
NALower Drillhole Diameter (in.)
8.3 to 3.8Casing Depth (ft.)
NAWas well annular space grouted? ☐ Yes ☒ No ☐ UnknownIf yes, to what depth (feet)?
NADepth to Water (feet)
14.5**5. Material Used to Fill Well / Drillhole**

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" Bentonite Chips	Surface	12	350 lbs	dry mix
Bentonite Grout and Fine Sand	12	43	88-gallons	3lbs/gal

6. Comments

Boring B-222C

7. Supervision of Work

Supervision of Work			DNR Use Only	
Name of Person or Firm Doing Filling & Sealing Soils & Engineering Services, Inc.	License # _____	Date of Filling & Sealing or Verification (mm/dd/yyyy) 02/10/2023	Date Received _____	Noted By _____
Street or Route 1102 Stewart St		Telephone Number (608)274-7600	Comments _____	
City Madison	State WI	ZIP Code 53713	Signature of Person Doing Work 	Date Signed 02/10/2023

B-223


Route To: Watershed/Wastewater ☐ Waste Management ☒
Remediation/Redevelopment ☐ Other ☐

Page 1 of 2

Facility/Project Name Dane County Landfill No. 3 (Proposed) SCS#: 25222268.00			License/Permit/Monitoring Number		Boring Number B-223	
Boring Drilled By: Name of crew chief (first, last) and Firm Tony Kapugi On-site Environmental Services, Inc.			Date Drilling Started 1/11/2023		Date Drilling Completed 1/11/2023	
Drilling Method Direct Push 2" ID						
WI Unique Well No. --	DNR Well ID No. --	Common Well Name --	Final Static Water Level 885.9 Feet MSL		Surface Elevation 900.3 Feet MSL	
					Borehole Diameter 2.3"	
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input checked="" type="checkbox"/> State Plane 378,446 N, 2,169,403 E S/C/N SE 1/4 of SE 1/4 of Section 25, T 7 N, R 10 E			Lat _____ ' _____" Long _____ ' _____"		Local Grid Location Feet <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
Facility ID		County Dane	County Code 13	Civil Town/City/ or Village City of Madison		

Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	
S1	32		1	SILT (ML), very dark grayish brown (10YR 3/2), organic rich, with roots. (Topsoil)	ML									
			2	LEAN CLAY (CL), dark yellowish brown (10YR 4/4), mostly silt with clay, some fine sand, soft to stiff, cohesive, uniform, massive, trace roots. (Loess)										
S2	55		3	At 0.5' to 5', LEAN CLAY (CL) % g-s-si-cl = 0-36-35-29 LL=31, PI=14	CL				1.25 2.0	M				
			4											
S3	58		5	CLAYEY SAND (SC), yellowish brown (10YR 5/6), mostly fine sand with medium to coarse sand, fine to coarse gravel (mostly dolomite), uniform, massive. (Till) (Holy Hill Formation, Horicon Member)										
			6											
			7											
			8						0.25	M				
			9											
			10		SC									
			11											
			12											
			13						3.0	W				
			14											
			15											
														Measured depth to water at 14.35' bgs.

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

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

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SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number		Use only as an attachment to Form 4400-122.										Page 2 of 2		
Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	
S4	55		16	SILTY SAND (SM), strong brown (7.5YR 5/6), mostly fine sand with medium to coarse sand and some silt, fine to coarse gravel (mostly dolomite), trace lenses of clay, uniform, massive. (Till) (Holy Hill Formation, Horicon Member)	SM									
		17												
		18												
		19												
		20												
S5	49		21	CLAYEY SAND (SC), white (7.5YR 8/1), strong brown (7.5YR 5/6), and reddish yellow (7.5YR 6/8), fine to medium sand. (Weathered Sandstone Bedrock)	SC									
		22												
		23												
		24												
		25												
S6	28		26	SILTY SAND (SM), yellow (10YR 7/6), fine sand, with silt. (Weathered Sandstone Bedrock)	SM									
			27	CLAYEY SAND (SC), gray (10YR 6/1), with pieces of rock. (Weathered Dolomite Bedrock).	SC									
				Refusal, end of boring at 27' bgs in dolomite. Abandoned borehole with bentonite grout and bentonite chips.										

Refusal at 27' bgs due to bedrock. Dolomite bedrock at 30' bgs at boring B-223C.

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☐ **Verification Only of Fill and Seal****Route to DNR Bureau:**☐ Drinking Water☐ Watershed/Wastewater☐ Remediation/Redevelopment☒ Waste Management☐ Other: _____**1. Well Location Information**

County Dane	WI Unique Well # of Removed Well _____	Hicap # B-223
-----------------------	---	-------------------------

Latitude / Longitude (see instructions) _____ N _____ W	Format Code <input type="checkbox"/> DD <input type="checkbox"/> DDM	Method Code <input type="checkbox"/> GPS008 <input type="checkbox"/> SCR002 <input type="checkbox"/> OTH001
---	--	--

1/4 1/4 SE or Gov't Lot #	1/4 SE	Section 25	Township 7 N	Range 10	<input checked="" type="checkbox"/> E <input type="checkbox"/> W
------------------------------	--------	----------------------	------------------------	--------------------	---

Well Street Address
7101 US Highway 12 & 18Well City, Village or Town
Madison, WISubdivision Name

Well ZIP Code
53718
Lot #
_____Reason for Removal from Service
Temporary Borehole
WI Unique Well # of Replacement Well
_____**3. Filled & Sealed Well / Drillhole / Borehole Information**☐ Monitoring Well☐ Water Well☒ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy)

01/11/2023If a Well Construction Report is available, please attach.

Construction Type:

☐ Drilled☐ Driven (Sandpoint)☐ Dug☒ Other (specify): **Geoprobe/Direct Push**

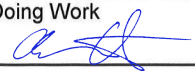
Formation Type:

☒ Unconsolidated Formation☐ BedrockTotal Well Depth From Ground Surface (ft.)
27
Casing Diameter (in.)
NALower Drillhole Diameter (in.)
2.3
Casing Depth (ft.)
NAWas well annular space grouted?
☐ Yes ☒ No ☐ UnknownIf yes, to what depth (feet)?
NA
Depth to Water (feet)
14.35

5. Material Used to Fill Well / Drillhole

3/8" Bentonite Chips

Bentonite Grout

6. Comments**7. Supervision of Work**Name of Person or Firm Doing Filling & Sealing
On-site Environmental Services, IncLicense #
_____Date of Filling & Sealing or Verification
(mm/dd/yyyy) **01/11/2023**Street or Route
PO Box 280Telephone Number
(608) 37-8992City
Sun PrairieState
WIZIP Code
53590Signature of Person Doing Work
Date Signed
01/11/2023**2. Facility / Owner Information**Facility Name
Dane County Landfill No.3 (Proposed)Facility ID (FID or PWS)

License/Permit/Monitoring #
_____Original Well Owner
Dane County Department of Waste and RenewablesPresent Well Owner
Dane County Department of Waste and RenewablesMailing Address of Present Owner
1919 Alliant Energy Center WayCity of Present Owner
MadisonState
WIZIP Code
53713**4. Pump, Liner, Screen, Casing & Sealing Material**Pump and piping removed? ☐ Yes ☐ No ☒ N/ALiner(s) removed? ☐ Yes ☐ No ☒ N/ALiner(s) perforated? ☐ Yes ☐ No ☒ N/AScreen removed? ☐ Yes ☐ No ☒ N/ACasing left in place? ☐ Yes ☐ No ☒ N/AWas casing cut off below surface? ☐ Yes ☐ No ☒ N/ADid sealing material rise to surface? ☒ Yes ☐ No ☐ N/ADid material settle after 24 hours? ☒ Yes ☐ No ☐ N/AIf yes, was hole retopped? ☒ Yes ☐ No ☐ N/AIf bentonite chips were used, were they hydrated with water from a known safe source? ☒ Yes ☐ No ☐ N/A

Required Method of Placing Sealing Material

☐ Conductor Pipe-Gravity ☒ Conductor Pipe-Pumped☒ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

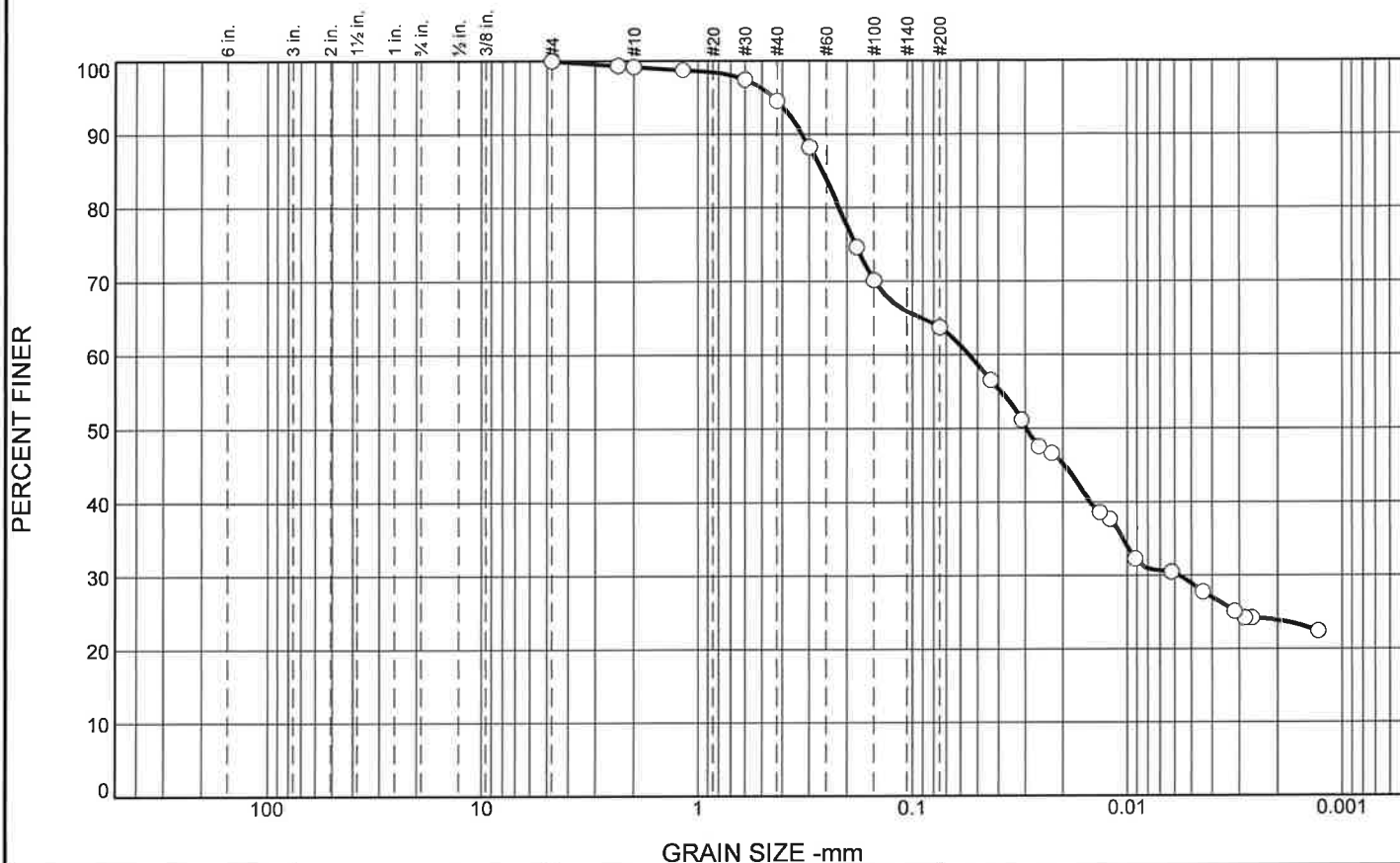
Sealing Materials

☐ Neat Cement Grout ☒ Bentonite Grout☐ Sand-Cement (Concrete) Grout ☒ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:

☐ Bentonite Chips ☐ Bentonite - Cement Grout☐ Granular Bentonite ☐ Bentonite - Sand Slurry

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	0.0	0.8	4.7	30.8	34.8	28.9

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

Material Description

Brown Sandy Lean Clay

PL= 17

Atterberg Limits

LL= 31

PI= 14

Coefficients

D₉₀= 0.3255

D₈₅= 0.2629

D₆₀= 0.0547

D₅₀= 0.0298

D₃₀= 0.0057

D₁₅=

D₁₀=

C_u=

C_c=

Classification

USCS= CL

AASHTO= A-6(6)

Remarks

* (no specification provided)

Sample Number: B223

Depth: 0.5'-5'

Date: 3/14/23

CGC, Inc.

Client: SCS Engineers

Project: Dane Couty Yahara Hills

Project No: C22011-8

Figure

Tested By: JFS

Checked By: KJS

B-223C


Route To: Watershed/Wastewater ☐ Waste Management ☒
Remediation/Redevelopment ☐ Other ☐

Page 1 of 3

Facility/Project Name Dane County Landfill No. 3 (Proposed) SCS#: 25222268.00		License/Permit/Monitoring Number		Boring Number B-223C	
Boring Drilled By: Name of crew chief (first, last) and Firm Scott Klumb Soils & Engineering Services, Inc.		Date Drilling Started 2/24/2023		Date Drilling Completed 2/24/2023	
Drilling Method HSA 4.25" ID & HQ Core					
WI Unique Well No. --	DNR Well ID No. --	Common Well Name --	Final Static Water Level --	Surface Elevation 900.3 Feet MSL	Borehole Diameter 8.3" & 3.8"
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input checked="" type="checkbox"/> State Plane 378,446 N, 2,169,403 E S / C / N SE 1/4 of SE 1/4 of Section 25, T 7 N, R 10 E			Local Grid Location Lat _____ ° _____ ' _____ " _____" Long _____ ° _____ ' _____ " _____" Feet <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W		
Facility ID		County Dane	County Code 13	Civil Town/City/ or Village City of Madison	

Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	
			1	Blind drilled to 29.6' bgs. (See B-223 log for lithology from 0' to 27' bgs.)										
			2											
			3											
			4											
			5											
			6											
			7											
			8											
			9											
			10											
			11											
			12											
			13											
			14											
			15											

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

Signature  Jackie Rennebohm, PG	Firm SCS Engineers 2830 Dairy Drive, Madison, WI 53718
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Form 4400-122A

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Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments	
Number and Type	Length Att. & Recovered (in)								Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200		
			16	Blind drilled to 29.6' bgs. (See B-223 log for lithology from 0' to 27' bgs.)											
			17												
			18												
			19												
			20												
			21												
			22												
			23												
			24												
			25												
			26	DOLOMITE (DL3), gray (10YR 6/1) and light brownish gray (10YR 6/2), massive to thinly bedded with shale, green (glauconite) clay, and sand, trace small round to oval vugs and chert. (Prairie du Chien Group, Shakopee Formation, Willow River Member)		/									
			27			/									
			28			/									
			29			/									
			30			/									
			31			/									
			32			/									
			33			/									
			34			/									
			35			/									
			36	More green (glauconite) clay.	DL3	/									
			37			/									
			38			/									
			39			/									
			40			/									
			16		Two, 0.5" thick dipping sandy layers.		/								
			17				/								
			18				/								
			19				/								
			20				/								
			21			/									
			22			/									
			23			/									
			24			/									
			25			/									
			26			/									
			27			/									
			28			/									
			29			/									
			30			/									
			31			/									
			32			/									
			33			/									
			34			/									
			35			/									
			36			/									
			37			/									
			38			/									
			39			/									
			40			/									

FF=0.87/ft
Percent
Recovery=76%
RQD=50%, fair

FF=1.81/ft
Percent
Recovery=100%
RQD=56%, fair

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

☐ **Verification Only of Fill and Seal****Route to DNR Bureau:**☐ Drinking Water☐ Watershed/Wastewater☐ Remediation/Redevelopment☒ Waste Management☐ Other: _____**1. Well Location Information**

County Dane	WI Unique Well # of Removed Well _____	Hicap # B-223C
-----------------------	--	--------------------------

Latitude / Longitude (see instructions) _____ N _____ W	Format Code <input type="checkbox"/> DD <input type="checkbox"/> DDM	Method Code <input type="checkbox"/> GPS008 <input type="checkbox"/> SCR002 <input type="checkbox"/> OTH001
---	--	--

1/4 1/4 SE or Gov't Lot #	1/4 SE	Section 25	Township 7 N	Range 10	<input checked="" type="checkbox"/> E <input type="checkbox"/> W
------------------------------	--------	----------------------	------------------------	--------------------	---

Well Street Address
7101 US Highway 12 & 18Well City, Village or Town
Madison, WISubdivision Name

Well ZIP Code
53718
Lot #
_____Reason for Removal from Service
Temporary Borehole
WI Unique Well # of Replacement Well
_____**3. Filled & Sealed Well / Drillhole / Borehole Information**☐ Monitoring Well☐ Water Well☒ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy)

02/24/2023If a Well Construction Report is available,
please attach.

Construction Type:

☒ Drilled☐ Driven (Sandpoint)☐ Dug☐ Other (specify): _____

Formation Type:

☒ Unconsolidated Formation☒ Bedrock

Total Well Depth From Ground Surface (ft.) 40.8	Casing Diameter (in.) NA
---	------------------------------------

Lower Drillhole Diameter (in.) 8.3 to 3.8	Casing Depth (ft.) NA
---	---------------------------------

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)? NA	Depth to Water (feet) 14.35
--	---------------------------------------

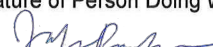
5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" Bentonite Chips	Surface	7	200 lbs	dry mix
Bentonite Grout	7	40.8	72-gallons	2lbs/gal

6. Comments

Boring B-223C

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing Soil & Engineering Services, Inc			License #	Date of Filling & Sealing or Verification (mm/dd/yyyy) 02/24/2023	DNR Use Only	
Street or Route 1102 Stewart St			Telephone Number (608)274-7600		Date Received	Noted By
City Madison			State WI	ZIP Code 53713	Signature of Person Doing Work 	Date Signed 02/24/2023

ST-223


Route To: Watershed/Wastewater ☐ Waste Management ☒
Remediation/Redevelopment ☐ Other ☐

Page 1 of 1

Facility/Project Name Dane County Landfill No. 3 (Proposed) SCS#: 25222268.00		License/Permit/Monitoring Number		Boring Number ST-223	
Boring Drilled By: Name of crew chief (first, last) and Firm Scott Klumb Soils & Engineering Services, Inc.		Date Drilling Started 3/8/2023		Date Drilling Completed 3/8/2023	
Drilling Method SSA					
WI Unique Well No. --	DNR Well ID No. --	Common Well Name --	Final Static Water Level --	Surface Elevation 900.3 Feet MSL	Borehole Diameter 4.3"
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input checked="" type="checkbox"/> State Plane 378,446 N, 2,169,403 E S / C / N SE 1/4 of SE 1/4 of Section 25, T 7 N, R 10 E			Local Grid Location Lat _____ ° _____ ' _____ " _____" Long _____ ° _____ ' _____ " _____" Feet <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W		
Facility ID		County Dane	County Code 13	Civil Town/City/ or Village City of Madison	

Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	
S1	18.5		1	Blind drilled to 1' bgs. (See B-223 log from 0-27' bgs for lithology.)					1.25	M				Shelby tube sample from 1-3 feet bgs.
			2	LEAN CLAY, gray (2.5Y 4/2 to 10YR 4/4), mostly silt with clay, some fine sand, soft, cohesive, uniform, massive, trace roots. (Loess)	CL									
			3	End of boring at 3' bgs in Loess. Abandoned with bentonite chips.										

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

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

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

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☐ **Verification Only of Fill and Seal****Route to DNR Bureau:**☐ Drinking Water☐ Watershed/Wastewater☐ Remediation/Redevelopment☒ Waste Management☐ Other: _____**1. Well Location Information**

County	WI Unique Well # of Removed Well	Hicap #
Dane		ST-223

Latitude / Longitude (see instructions)	Format Code	Method Code
N	<input type="checkbox"/> DD	<input type="checkbox"/> GPS008
W	<input type="checkbox"/> DDM	<input type="checkbox"/> SCR002
		<input type="checkbox"/> OTH001

1/4 1/4 SE	1/4 SE	Section	Township	Range	<input checked="" type="checkbox"/> E
or Gov't Lot #		25	7 N	10	<input type="checkbox"/> W

Well Street Address
7101 US Highway 12 & 18

Well City, Village or Town	Well ZIP Code
Madison, WI	53718

Subdivision Name	Lot #

Reason for Removal from Service	WI Unique Well # of Replacement Well
Temporary Borehole	

3. Filled & Sealed Well / Drillhole / Borehole Information☐ Monitoring Well☐ Water Well☒ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy)

03/08/2023

If a Well Construction Report is available, please attach.

Construction Type:☒ Drilled☐ Driven (Sandpoint)☐ Dug☐ Other (specify): _____**Formation Type:**☒ Unconsolidated Formation☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
3	NA

Lower Drillhole Diameter (in.)	Casing Depth (ft.)
4.3	NA

Was well annular space grouted?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Unknown
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If yes, to what depth (feet)?	Depth to Water (feet)
NA	14.35

5. Material Used to Fill Well / Drillhole
3/8" Bentonite Chips

2. Facility / Owner Information

Facility Name
Dane County Landfill No.3 (Proposed)

Facility ID (FID or PWS)

License/Permit/Monitoring #

Original Well Owner
Dane County Department of Waste and Renewables

Present Well Owner
Dane County Department of Waste and Renewables

Mailing Address of Present Owner
1919 Alliant Energy Center Way

City of Present Owner	State	ZIP Code
Madison	WI	53713

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
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Liner(s) removed?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
-------------------	------------------------------	-----------------------------	---

Liner(s) perforated?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
----------------------	------------------------------	-----------------------------	---

Screen removed?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
-----------------	------------------------------	-----------------------------	---

Casing left in place?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
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Was casing cut off below surface?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
-----------------------------------	------------------------------	-----------------------------	---

Did sealing material rise to surface?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
---------------------------------------	---	-----------------------------	------------------------------

Did material settle after 24 hours?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
-------------------------------------	------------------------------	--	------------------------------

If yes, was hole retopped?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
----------------------------	------------------------------	--	------------------------------

If bentonite chips were used, were they hydrated with water from a known safe source?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
---	---	-----------------------------	------------------------------

Required Method of Placing Sealing Material
<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped

<input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain): _____

Sealing Materials
<input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Bentonite Grout

<input type="checkbox"/> Sand-Cement (Concrete) Grout <input checked="" type="checkbox"/> Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
<input type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout

<input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry
--

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	3	8 lbs	dry mix

--	--	--	--

6. Comments

Shelby Tube ST-223

7. Supervision of Work	DNR Use Only		
Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy) 03/08/2023	Date Received

Soil & Engineering Services, Inc			Noted By
Street or Route	Telephone Number	Comments	

1102 Stewart St	(608)274-7600		
City	State	ZIP Code	Signature of Person Doing Work

Madison	WI	53713	Date Signed
			03/08/2023

B-224

Route To: Watershed/Wastewater ☐ Waste Management ☒
Remediation/Redevelopment ☐ Other ☐

Page 1 of 2

Facility/Project Name Dane County Landfill No. 3 (Proposed) SCS#: 25222268.00			License/Permit/Monitoring Number		Boring Number B-224	
Boring Drilled By: Name of crew chief (first, last) and Firm Tony Kapugi On-site Environmental Services, Inc.			Date Drilling Started 1/9/2023		Date Drilling Completed 1/9/2023	
Drilling Method Direct Push 2" ID						
WI Unique Well No. --	DNR Well ID No. --	Common Well Name --	Final Static Water Level 900.9 Feet MSL		Surface Elevation 906.9 Feet MSL	
					Borehole Diameter 2.3"	
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input checked="" type="checkbox"/> State Plane 378,047 N, 2,167,866 E S/C/N			Lat ° ' " Long ° ' "		Local Grid Location Feet <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
SW 1/4 of SE 1/4 of Section 25, T 7 N, R 10 E						
Facility ID		County Dane	County Code 13	Civil Town/City/ or Village City of Madison		

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	
S1	31		1	SILT (ML), very dark grayish brown (10YR 3/2), organic rich, with roots. (Topsoil)	ML									
			2	LEAN CLAY (CL), olive brown (2.5Y 4/4), mostly silt with clay, some fine sand, soft to medium stiff, cohesive, uniform, massive, trace roots. (Loess)	CL				1.0	M				
			3											
S2	51		4											
			5											
			6	SILTY SAND (SM), olive brown (2.5Y 4/4) and reddish brown (5YR 5/4), mostly fine sand with medium to coarse sand and some clay, fine to coarse gravel (mostly dolomite), uniform, massive. (Till) (Holy Hill Formation, Horicon Member)						W				
S3	60		7											
			8											
			9											
			10	Reddish yellow (5YR 6/6).	SM									
			11											
			12											
			13						2.25	W				
			14											
			15	CLAYEY SAND (SC), reddish yellow (5YR 6/6), mostly fine sand with medium to coarse sand and clay,	SC									

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

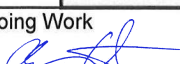
Signature 	Adam Watson	Firm SCS Engineers 2830 Dairy Drive, Madison, WI 53718
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Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	
S4	39		16 17 18	fine to coarse gravel (mostly dolomite), uniform, massive. (Till) (Holy Hill Formation, Horicon Member)	SC				1.5 2.5	W				Refusal due to bedrock at 18.5' bgs. Dolomite bedrock at 22' bgs at boring B-224C.
				DOLOMITE (DOL), tan, white, and gray.		/								
				Refusal, end of boring at 18.5' bgs in dolomite. Abandoned borehole with bentonite grout and bentonite chips.										

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

☐ **Verification Only of Fill and Seal****Route to DNR Bureau:**☐ Drinking Water☐ Watershed/Wastewater☐ Remediation/Redevelopment☒ Waste Management☐ Other: _____

1. Well Location Information				2. Facility / Owner Information			
County Dane		WI Unique Well # of Removed Well _____		Hicap # B-224		Facility Name Dane County Landfill No.3 (Proposed)	
Latitude / Longitude (see instructions) _____ N _____ W		Format Code <input type="checkbox"/> DD <input type="checkbox"/> DDM		Method Code <input type="checkbox"/> GPS008 <input type="checkbox"/> SCR002 <input type="checkbox"/> OTH001		Facility ID (FID or PWS) _____	
1/4 1/4 SW 1/4 SE or Gov't Lot #		Section 25		Township 7 N		Range <input checked="" type="checkbox"/> E <input type="checkbox"/> W	
Well Street Address 7101 US Highway 12 & 18				Original Well Owner Dane County Department of Waste and Renewables			
Well City, Village or Town Madison, WI				Present Well Owner Dane County Department of Waste and Renewables			
Subdivision Name _____				Mailing Address of Present Owner 1919 Alliant Energy Center Way			
Reason for Removal from Service Temporary Borehole				City of Present Owner Madison			
WI Unique Well # of Replacement Well _____				State WI			
3. Filled & Sealed Well / Drillhole / Borehole Information				ZIP Code 53713			
<input type="checkbox"/> Monitoring Well		Original Construction Date (mm/dd/yyyy) 01/09/2023		4. Pump, Liner, Screen, Casing & Sealing Material			
<input type="checkbox"/> Water Well		If a Well Construction Report is available, please attach. _____		Pump and piping removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
<input checked="" type="checkbox"/> Borehole / Drillhole				Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
Construction Type:				Liner(s) perforated? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
<input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug				Screen removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
<input checked="" type="checkbox"/> Other (specify): Geoprobe/Direct Push				Casing left in place? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
Formation Type:				Was casing cut off below surface? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
<input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock				Did sealing material rise to surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
Total Well Depth From Ground Surface (ft.) 18.5		Casing Diameter (in.) NA		Did material settle after 24 hours? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
Lower Drillhole Diameter (in.) 2.3		Casing Depth (ft.) NA		If yes, was hole retopped? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
Was well annular space grouted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown				If bentonite chips were used, were they hydrated with water from a known safe source? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
If yes, to what depth (feet)? NA		Depth to Water (feet) 6		Required Method of Placing Sealing Material			
5. Material Used to Fill Well / Drillhole				<input type="checkbox"/> Conductor Pipe-Gravity <input checked="" type="checkbox"/> Conductor Pipe-Pumped			
3/8" Bentonite Chips		From (ft.) To (ft.)		No. Yards, Sacks Sealant or Volume (circle one)		Mix Ratio or Mud Weight	
Bentonite Grout		0.5 18.5		0.08 lbs 3.8-gallons		dry mix 2lbs/gal	
6. Comments Boring B-224				For Monitoring Wells and Monitoring Well Boreholes Only:			
7. Supervision of Work				<input type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout			
Name of Person or Firm Doing Filling & Sealing On-site Environmental Services, Inc		License # _____		Date of Filling & Sealing or Verification (mm/dd/yyyy) 01/09/2023		Date Received _____	
Street or Route PO Box 280		Telephone Number (608)837-8992		Comments _____		Noted By _____	
City Sun Prairie		State WI		ZIP Code 53590		Signature of Person Doing Work 	
						Date Signed 01/09/2023	

B-224C


Route To: Watershed/Wastewater ☐ Waste Management ☒
Remediation/Redevelopment ☐ Other ☐

Page 1 of 3

Facility/Project Name Dane County Landfill No. 3 (Proposed) SCS#: 25222268.00		License/Permit/Monitoring Number		Boring Number B-224C	
Boring Drilled By: Name of crew chief (first, last) and Firm Scott Klumb Soils & Engineering Services, Inc.		Date Drilling Started 2/8/2023		Date Drilling Completed 2/8/2023	
Drilling Method HSA 4.25" ID & HQ Core					
WI Unique Well No. --	DNR Well ID No. --	Common Well Name --	Final Static Water Level --	Surface Elevation 906.9 Feet MSL	Borehole Diameter 8.3" & 3.8"
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input checked="" type="checkbox"/> State Plane 378,047 N, 2,167,866 E S/C/N SW 1/4 of SE 1/4 of Section 25, T 7 N, R 10 E		Lat _____ ° _____ ' _____ " _____ ° _____ ' _____ " Long _____ ° _____ ' _____ " _____ ° _____ ' _____ "		Local Grid Location Feet <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
Facility ID		County Dane	County Code 13	Civil Town/City/ or Village City of Madison	

Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	
			1	Blind drilled to 22' bgs. (See B-224 log for lithology from 0' to 18.5' bgs.)										
			2											
			3											
			4											
			5											
			6											
			7											
			8											
			9											
			10											
			11											
			12											
			13											
			14											
			15											

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

Signature  Jackie Rennebohm, PG Firm SCS Engineers
2830 Dairy Drive, Madison, WI 53718

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SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number		Use only as an attachment to Form 4400-122.										Page 2 of 3		
Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	
			16	Blind drilled to 22' bgs. (See B-224 log for lithology from 0' to 18.5' bgs.)										
			17											
			18											
			19											
			20											
			21											
Run 1	30		22	DOLOMITE (DL3), very pale brown (10YR 7/3) and light gray (10YR 7/1), massive, sandy, with chert nodules, dendrites, round to oval vugs, and ooids. (Prairie du Chien Group, Shakopee Formation, Willow River Member).	DL3	/							FF=2/ft Percent Recovery=67% RQD=0%, very poor Drill bit jam.	
			23			/								
			24			/								
			25			/								
			26			/								
Run 2	8		27	DOLOMITIC SANDSTONE (DL3), yellow (2.5Y 7/8) and white 2.5Y 8/1), fine to medium sand, poorly sorted, massive, cemented with dolomite and chert clasts, oolitic, with green (glauconite) clay. (Prairie du Chien Group, Shakopee Formation, New Richmond Member)		.							FF=7.5/ft Percent Recovery=36% RQD=0%, very poor	
			28			.								
			29			.								
			30			.								
			31			.								
Run 3	13.5		32	DL3		.							Percent Recovery=7% RQD=0%, very poor	
			33			.								
			34			.								
			35			.								
			36			.								
Run 4	4		37	DL3		.							Percent Recovery=13% RQD=0%, very poor	
			38			.								
			39			.								
Run 5	8		40			.							Percent Recovery=31%	

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

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

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

☐ **Verification Only of Fill and Seal****Route to DNR Bureau:**☐ Drinking Water☐ Watershed/Wastewater☐ Remediation/Redevelopment☒ Waste Management☐ Other: _____**1. Well Location Information**

County	WI Unique Well # of Removed Well	Hicap #
Dane		B-224C
Latitude / Longitude (see instructions)	Format Code	Method Code
N	<input type="checkbox"/> DD	<input type="checkbox"/> GPS008
W	<input type="checkbox"/> DDM	<input type="checkbox"/> SCR002
		<input type="checkbox"/> OTH001
1/4 1/4 SW	Section	Township
1/4 SE	25	7 N
or Gov't Lot #		Range 10
		<input checked="" type="checkbox"/> E
		<input type="checkbox"/> W

Well Street Address

7101 US Highway 12 & 18

Well City, Village or Town

Madison, WI

Subdivision Name

Well ZIP Code

53718

Lot #

Reason for Removal from Service

Temporary Borehole

WI Unique Well # of Replacement Well

3. Filled & Sealed Well / Drillhole / Borehole Information

<input type="checkbox"/> Monitoring Well	Original Construction Date (mm/dd/yyyy)
<input type="checkbox"/> Water Well	02/08/2023
<input checked="" type="checkbox"/> Borehole / Drillhole	If a Well Construction Report is available, please attach.
Construction Type:	
<input checked="" type="checkbox"/> Drilled	<input type="checkbox"/> Driven (Sandpoint)
<input type="checkbox"/> Other (specify):	<input type="checkbox"/> Dug

Formation Type:

☒ Unconsolidated Formation☒ Bedrock

Total Well Depth From Ground Surface (ft.)

46

Casing Diameter (in.)

NA

Lower Drillhole Diameter (in.)

8.3 to 3.8

Casing Depth (ft.)

NA

Was well annular space grouted?

☐ Yes☒ No☐ Unknown

If yes, to what depth (feet)?

Depth to Water (feet)

6

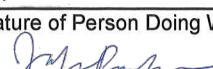
5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" Bentonite Chips	Surface	11.5	300 lbs	dry mix
Bentonite Grout and Fine Sand	11.5	46	90-gallons	3lbs/gal

6. Comments

Boring B-224C

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)	Date Received	Noted By
Soils & Engineering Services, Inc.		02/08/2023		
Street or Route	Telephone Number	Comments		
1102 Stewart St	(608) 274-7600			
City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Madison	WI	53713		02/08/2023

B-225

Route To: Watershed/Wastewater ☐ Waste Management ☒
Remediation/Redevelopment ☐ Other ☐

Page 1 of 2

Facility/Project Name Dane County Landfill No. 3 (Proposed) SCS#: 25222268.00		License/Permit/Monitoring Number		Boring Number B-225	
Boring Drilled By: Name of crew chief (first, last) and Firm Tony Kapugi On-site Environmental Services, Inc.		Date Drilling Started 1/12/2023		Date Drilling Completed 1/12/2023	
Drilling Method Direct Push 2" ID					
WI Unique Well No. --	DNR Well ID No. --	Common Well Name --	Final Static Water Level 898.2 Feet MSL	Surface Elevation 904.2 Feet MSL	Borehole Diameter 2.3"
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input checked="" type="checkbox"/> State Plane 377,948 N, 2,168,814 E S/C/N SE 1/4 of SE 1/4 of Section 25, T 7 N, R 10 E		Lat _____ ' _____" Long _____ ' _____"		Local Grid Location Feet <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
Facility ID		County Dane	County Code 13	Civil Town/City/ or Village City of Madison	

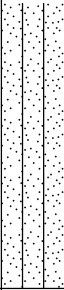


Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	
S1	39		1	SILT (ML), very dark grayish brown (10YR 3/2), organic rich, with roots. (Topsoil)	ML									
			2	LEAN CLAY (CL), weak red (2.5Y 4/2) with black and orange mottling, mostly silt with clay, some fine sand, stiff, cohesive, uniform, massive, trace roots. (Loess)					1.75	M				
			3											
S2	44		4											
			5	At 5' to 9', LEAN CLAY (CL) % g-s-si-cl = 0-12-49-39 LL=47, PI=25 Dark reddish gray (5YR 4/2) and very dark gray (5YR 3/1) with trace gravel.	CL									
			6											
S3	48		7											
			8							M/W				Water at about 6' bgs.
			9											
			10	SILTY SAND (SM), brown (7.5YR 5/4), mostly fine to medium sand and some clay, fine to coarse gravel (mostly dolomite), uniform, massive, very soft, saturated. (Till) (Holy Hill Formation, Horicon Member)	SM									
			11											
			12											
			13							W				
			14											
			15											

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

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

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

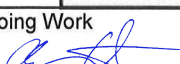
SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number		Use only as an attachment to Form 4400-122.										Page 2 of 2		
Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	
S4	60		16	SILTY SAND (SM), brown (7.5YR 5/4), mostly fine to medium sand and some clay, fine to coarse gravel (mostly dolomite), uniform, massive, very soft, saturated. (Till) (Holy Hill Formation, Horicon Member) Coarser grained.	SM				1.0	W				
			17											
			18											
			19											
S5	60		20	FAT CLAY (CH), light olive brown (2.5Y 5/4), with red, orange, and yellow mottling, with fine to coarse gravel, angular, with chert, soft to stiff. (Ancell Group, St. Peter Formation, Readstown Member) Pinkish gray (7.5YR 6/2), grades to SANDY FAT CLAY (CH) and CLAYEY SAND (SC). CLAYEY SAND (SC), white (5Y 8/1) with pale green (GLEYS 1 6/2), fine to medium sand, stiff. (Ancell Group, St. Peter Formation, Readstown Member)	SS3				1.0	W				
			21											
			22											
			23											
S6	29		24	SILTY CLAYEY SAND (SC-SM), yellowish brown (10YR 5/4), mostly fine sand with medium to coarse sand, loose to cohesive, dry. (Ancell Group, St. Peter Formation, Readstown Member) At 27' yellow (10YR 8/8). Refusal, end of boring at 27.5' bgs in dolomite. Abandoned borehole with bentonite grout and bentonite chips.					1.0	W				
			25											
			26											
			27											

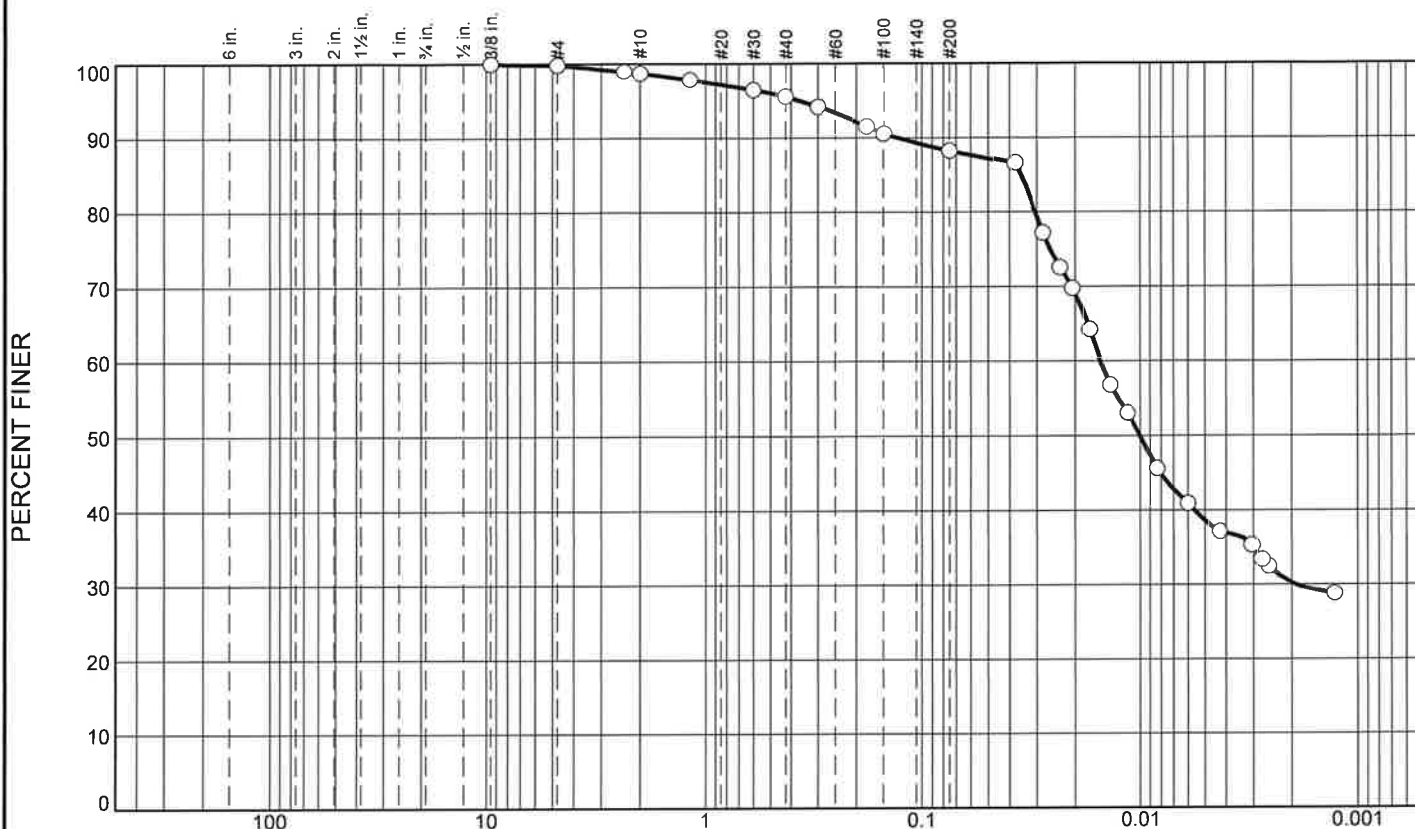
Refusal at 27.5' bgs. Dolomite bedrock at 32' bgs at boring B-225C.

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

☐ **Verification Only of Fill and Seal****Route to DNR Bureau:**☐ Drinking Water☐ Watershed/Wastewater☐ Remediation/Redevelopment☒ Waste Management☐ Other: _____

1. Well Location Information				2. Facility / Owner Information			
County Dane		WI Unique Well # of Removed Well _____		Hicap # B-225		Facility Name Dane County Landfill No.3 (Proposed)	
Latitude / Longitude (see instructions) _____ N _____ W		Format Code <input type="checkbox"/> DD <input type="checkbox"/> DDM		Method Code <input type="checkbox"/> GPS008 <input type="checkbox"/> SCR002 <input type="checkbox"/> OTH001		Facility ID (FID or PWS) _____	
1/4 1/4 SE or Gov't Lot #		Section 25		Township 7 N		Range <input checked="" type="checkbox"/> E <input type="checkbox"/> W	
Well Street Address 7101 US Highway 12 & 18				Original Well Owner Dane County Department of Waste and Renewables			
Well City, Village or Town Madison, WI				Present Well Owner Dane County Department of Waste and Renewables			
Subdivision Name _____				Mailing Address of Present Owner 1919 Alliant Energy Center Way			
Reason for Removal from Service Temporary Borehole				City of Present Owner Madison			
WI Unique Well # of Replacement Well _____				State WI		ZIP Code 53713	
3. Filled & Sealed Well / Drillhole / Borehole Information				4. Pump, Liner, Screen, Casing & Sealing Material			
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input checked="" type="checkbox"/> Borehole / Drillhole		Original Construction Date (mm/dd/yyyy) 01/12/2023		Pump and piping removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input checked="" type="checkbox"/> Other (specify): Geoprobe/Direct Push		If a Well Construction Report is available, please attach. _____		Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock				Liner(s) perforated? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
Total Well Depth From Ground Surface (ft.) 27.5		Casing Diameter (in.) NA		Screen removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
Lower Drillhole Diameter (in.) 2.3		Casing Depth (ft.) NA		Casing left in place? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
Was well annular space grouted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown				Was casing cut off below surface? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
If yes, to what depth (feet)? NA		Depth to Water (feet) ~6		Did sealing material rise to surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
5. Material Used to Fill Well / Drillhole				Did material settle after 24 hours? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
3/8" Bentonite Chips				If yes, was hole retopped? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
Bentonite Grout				If bentonite chips were used, were they hydrated with water from a known safe source? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
				Required Method of Placing Sealing Material			
				<input type="checkbox"/> Conductor Pipe-Gravity <input checked="" type="checkbox"/> Conductor Pipe-Pumped			
				<input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain): _____			
				Sealing Materials			
				<input type="checkbox"/> Neat Cement Grout <input checked="" type="checkbox"/> Bentonite Grout			
				<input type="checkbox"/> Sand-Cement (Concrete) Grout <input checked="" type="checkbox"/> Bentonite Chips			
6. Comments				For Monitoring Wells and Monitoring Well Boreholes Only:			
Boring B-225				<input type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout			
				<input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry			
7. Supervision of Work				DNR Use Only			
Name of Person or Firm Doing Filling & Sealing On-site Environmental Services, Inc		License # _____		Date of Filling & Sealing or Verification (mm/dd/yyyy) 01/12/2023		Date Received _____	
Street or Route PO Box 280		Telephone Number (608)837-8992		Comments _____		Noted By _____	
City Sun Prairie		State WI		ZIP Code 53590		Signature of Person Doing Work 	
						Date Signed 01/12/2023	

Particle Size Distribution Report



GRAIN SIZE -mm

% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	0.2	1.1	3.1	7.3	49.7	38.6

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

* (no specification provided)

Material Description

Gray-Brown Lean Clay, Some Sand, Trace Gravel

Atterberg Limits

PL= 22

LL= 47

PI= 25

Coefficients

D₉₀= 0.1286

D₈₅= 0.0357

D₆₀= 0.0154

D₅₀= 0.0100

D₃₀= 0.0019

D₁₅=

D₁₀=

C_u=

C_c=

Classification

USCS= CL

AASHTO= A-7-6(23)

Remarks

Sample Number: B225

Depth: 5'-9'

Date: 3/14/23

CGC, Inc.

Client: SCS Engineers

Project: Dane Couty Yahara Hills

Project No: C22011-8

Figure

Tested By: JFS

Checked By: KJS

B-225C


Route To: Watershed/Wastewater ☐ Waste Management ☒
Remediation/Redevelopment ☐ Other ☐

Page 1 of 3

Facility/Project Name Dane County Landfill No. 3 (Proposed) SCS#: 25222268.00			License/Permit/Monitoring Number		Boring Number B-225C	
Boring Drilled By: Name of crew chief (first, last) and Firm Scott Klumb Soils & Engineering Services, Inc.			Date Drilling Started 2/17/2023		Date Drilling Completed 2/17/2023	
Drilling Method HSA 4.25" ID & HQ Core						
WI Unique Well No. --	DNR Well ID No. --	Common Well Name --	Final Static Water Level --	Surface Elevation 904.2 Feet MSL		Borehole Diameter 8.3" & 3.8"
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input checked="" type="checkbox"/> State Plane 377,948 N, 2,168,814 E S/C/N SE 1/4 of SE 1/4 of Section 25, T 7 N, R 10 E			Lat --- ° --- ' --- " Long --- ° --- ' --- "		Local Grid Location Feet <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
Facility ID		County Dane	County Code 13	Civil Town/City/ or Village City of Madison		

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	
			1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	Blind drilled to 31.5' bgs. (See B-225 log for lithology from 0' to 27.5' bgs.)										

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

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

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SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number **B-225C** Use only as an attachment to Form 4400-122. Page **2** of **3**

Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	
			16	Blind drilled to 31.5' bgs. (See B-225 log for lithology from 0' to 27.5' bgs.)										
			17											
			18											
			19											
			20											
			21											
			22											
			23											
			24											
			25											
			26											
			27											
			28											
			29											
			30											
			31											
	48		32	DOLOMITE (DL4), light gray (7.5YR 7/1) and light gray (10YR 7/2), massive, sandy, with chert, vugs, and dendrites. (Prarie du Chien Group, Oneota Formation)		/								
			33			/								
			34			/								
			35			/								
			36	More sandy (possibly from sluff though).	DL4	/								
			37			/								
			38			/								
	44		39			/								
			40			/								

FF=1/ft Percent
Recovery=96%
RQD=53%, fair
Inner core barrel
sleeve became
sand locked, had
to manually
hammer out the
core, the core
broke into pieces.

FF=0.82/ft
Percent
Recovery=83%
RQD=15%, very
poor

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

☐ **Verification Only of Fill and Seal****Route to DNR Bureau:**☐ Drinking Water☐ Watershed/Wastewater☐ Remediation/Redevelopment☒ Waste Management☐ Other: _____**1. Well Location Information**

County Dane	WI Unique Well # of Removed Well _____	Hicap # B-225C
-----------------------	--	--------------------------

Latitude / Longitude (see instructions) _____ N _____ W	Format Code <input type="checkbox"/> DD <input type="checkbox"/> DDM	Method Code <input type="checkbox"/> GPS008 <input type="checkbox"/> SCR002 <input type="checkbox"/> OTH001
---	--	--

1/4 1/4 SE or Gov't Lot #	1/4 SE	Section 25	Township 7 N	Range 10	<input checked="" type="checkbox"/> E <input type="checkbox"/> W
------------------------------	--------	----------------------	------------------------	--------------------	---

Well Street Address
7101 US Highway 12 & 18Well City, Village or Town
Madison, WISubdivision Name

Well ZIP Code
53718
Lot #
_____Reason for Removal from Service
Temporary Borehole
WI Unique Well # of Replacement Well
_____**3. Filled & Sealed Well / Drillhole / Borehole Information**☐ Monitoring Well☐ Water Well☒ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy)

02/17/2023If a Well Construction Report is available,
please attach.

Construction Type:

☒ Drilled☐ Driven (Sandpoint)☐ Dug☐ Other (specify): _____

Formation Type:

☒ Unconsolidated Formation☒ Bedrock

Total Well Depth From Ground Surface (ft.) 40.6	Casing Diameter (in.) NA
---	------------------------------------

Lower Drillhole Diameter (in.) 8.3 to 3.8	Casing Depth (ft.) NA
---	---------------------------------

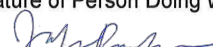
Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)? NA	Depth to Water (feet) ~6
--	------------------------------------

5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" Bentonite Chips	Surface	12	350 lbs	dry mix
Bentonite Grout	12	40.6	190-gallons	2lbs/gal

6. Comments**B-225C****7. Supervision of Work**

Supervision of Work			DNR Use Only	
Name of Person or Firm Doing Filling & Sealing Soils & Engineering Services, Inc.	License # _____	Date of Filling & Sealing or Verification (mm/dd/yyyy) 02/17/2023	Date Received _____	Noted By _____
Street or Route 1102 Stewart St	Telephone Number (608)274-7600		Comments _____	
City Madison	State WI	ZIP Code 53713	Signature of Person Doing Work 	Date Signed 02/17/2023

B-226

Route To: Watershed/Wastewater ☐ Waste Management ☒
Remediation/Redevelopment ☐ Other ☐

Page 1 of 1

Facility/Project Name Dane County Landfill No. 3 (Proposed) SCS#: 25222268.00			License/Permit/Monitoring Number		Boring Number B-226	
Boring Drilled By: Name of crew chief (first, last) and Firm Tony Kapugi On-site Environmental Services, Inc.			Date Drilling Started 1/12/2023		Date Drilling Completed 1/12/2023	
Drilling Method Direct Push 2" ID						
WI Unique Well No. --	DNR Well ID No. --	Common Well Name --	Final Static Water Level 902.2 Feet MSL		Surface Elevation 906.7 Feet MSL	
					Borehole Diameter 2.3"	
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input checked="" type="checkbox"/> State Plane 377,533 N, 2,168,776 E S/C/N NE 1/4 of NE 1/4 of Section 36, T 7 N, R 10 E			Lat --- ° --- ' --- " Long --- ° --- ' --- "		Local Grid Location Feet <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
Facility ID		County Dane	County Code 13	Civil Town/City/ or Village City of Madison		

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	
S1	41		1	SILT (ML), very dark grayish brown (10YR 3/2), organic rich, with roots. (Topsoil)	ML									
			2	LEAN CLAY (CL), brown (7.5YR 4/3) with black mottling, mostly silt with clay, some fine sand, trace gravel, soft to stiff, cohesive, uniform, massive, trace roots. (Loess)										
			3	At 1' to 5', LEAN CLAY (CL) % g-s-si-cl = 0-26-46-28 LL=30, PI=14	CL				1.5	M/W				Measured depth to water at 4.5' bgs.
			4						1.0					
S2	36		5						1.75					
			6	SILTY SAND (SM), brown (7.5YR 5/4), mostly fine sand with medium to coarse sand and some clay, fine to coarse gravel (mostly dolomite), uniform, massive. (Till) (Holy Hill Formation, Horicon Member)	SM					W				
			7											
			8											
			9											
			10	POORLY GRADED SAND WITH SILT AND GRAVEL (SP-SM), yellow (10YR 7/6) and brownish yellow (10YR 6/6), fine to coarse sand and fine to coarse gravel, (mostly dolomite). (Weathered Dolomite Bedrock)	SP-SM									
				Refusal, end of boring at 10' bgs in dolomite. Abandoned borehole with bentonite grout and bentonite chips.										Refusal at 10' bgs due to bedrock. Dolomite bedrock at 11.3' bgs at boring B-226C.

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

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

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

☐ **Verification Only of Fill and Seal****Route to DNR Bureau:**☐ Drinking Water☐ Watershed/Wastewater☐ Remediation/Redevelopment☒ Waste Management☐ Other: _____**1. Well Location Information**

County Dane	WI Unique Well # of Removed Well _____	Hicap # B-226
-----------------------	---	-------------------------

Latitude / Longitude (see instructions) _____ N _____ W	Format Code <input type="checkbox"/> DD <input type="checkbox"/> DDM	Method Code <input type="checkbox"/> GPS008 <input type="checkbox"/> SCR002 <input type="checkbox"/> OTH001
---	--	--

1/4 1/4 NE or Gov't Lot #	1/4 NE	Section 36	Township 7 N	Range 10	<input checked="" type="checkbox"/> E <input type="checkbox"/> W
------------------------------	--------	----------------------	------------------------	--------------------	---

Well Street Address
7101 US Highway 12 & 18Well City, Village or Town
Madison, WISubdivision Name
_____Well ZIP Code
53718Lot #
_____Reason for Removal from Service
Temporary Borehole**3. Filled & Sealed Well / Drillhole / Borehole Information**☐ Monitoring Well☐ Water Well☒ Borehole / DrillholeWI Unique Well # of Replacement Well
_____Original Construction Date (mm/dd/yyyy)
01/12/2023If a Well Construction Report is available, please attach.

Construction Type:

☐ Drilled☐ Driven (Sandpoint)☐ Dug☒ Other (specify): **Geoprobe/Direct Push**

Formation Type:

☒ Unconsolidated Formation☐ Bedrock

Total Well Depth From Ground Surface (ft.) 10	Casing Diameter (in.) NA
---	------------------------------------

Lower Drillhole Diameter (in.) 2.3	Casing Depth (ft.) NA
--	---------------------------------

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)? NA	Depth to Water (feet) 5
--	-----------------------------------

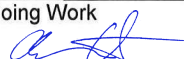
5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" Bentonite Chips	Surface	1	0.16 lbs	dry mix
Bentonite Grout	1	10	1.8-gallons	2lbs/gal

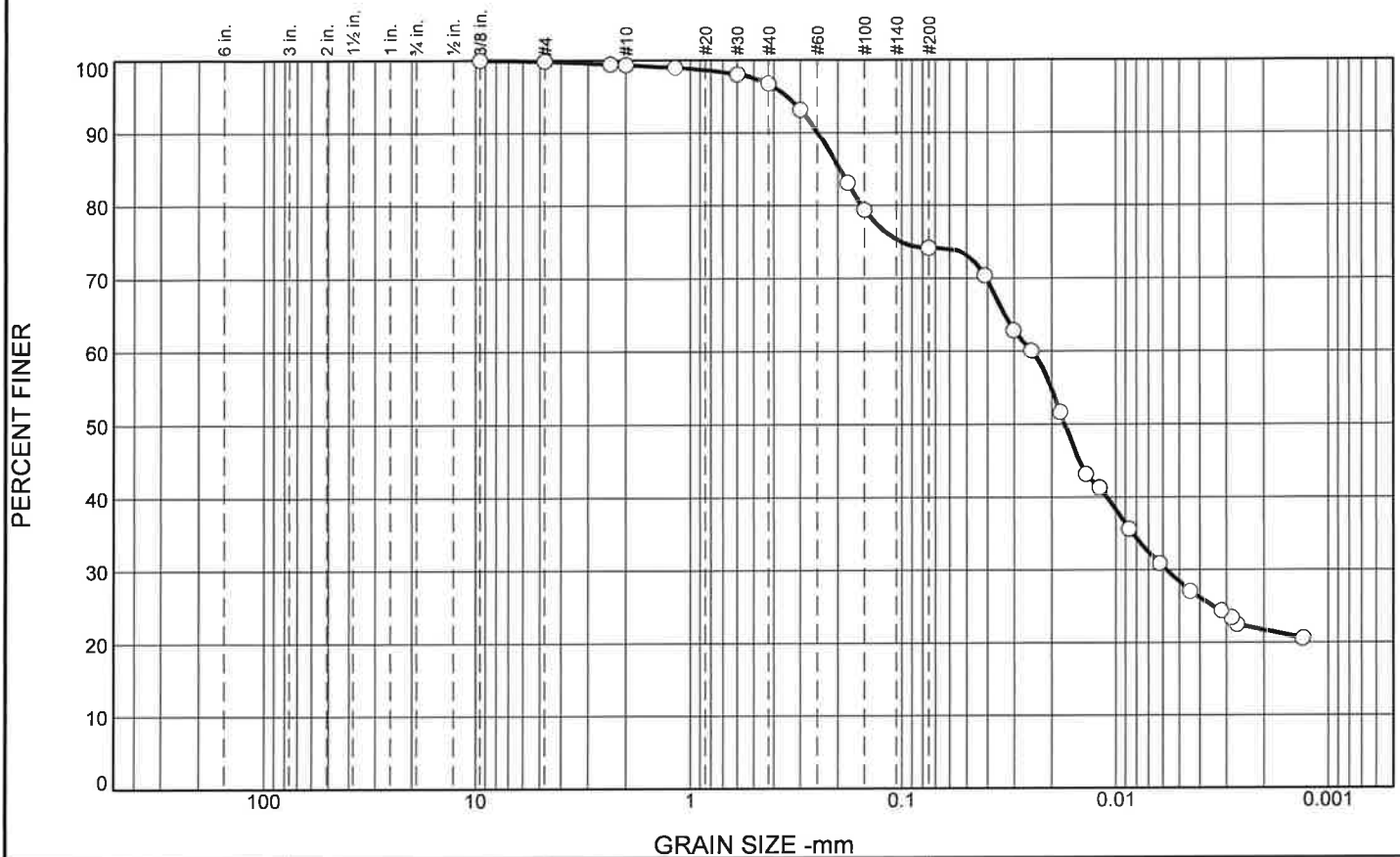
6. Comments

Boring B-226

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing On-site Environmental Services, Inc			License #	Date of Filling & Sealing or Verification (mm/dd/yyyy) 01/12/2023	DNR Use Only		
Street or Route PO Box 280			Telephone Number (608)837-8992		Date Received	Noted By	
City Sun Prairie			State WI	ZIP Code 53590	Signature of Person Doing Work 		Date Signed 01/12/2023

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	0.1	0.5	2.7	22.6	45.7	28.4

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

* (no specification provided)

Material Description

Brown Lean Clay, Some Sand, Trace Gravel

Atterberg Limits

PL= 16

LL= 30

PI= 14

Coefficients

D₉₀= 0.2501

D₈₅= 0.1967

D₆₀= 0.0248

D₅₀= 0.0174

D₃₀= 0.0058

D₁₅=

D₁₀=

C_u=

C_c=

Classification

USCS= CL

AASHTO= A-6(8)

Remarks

Sample Number: B226

Depth: 1'-5'

Date: 3/14/23

CGC, Inc.

Client: SCS Engineers

Project: Dane Couty Yahara Hills

Project No: C22011-8

Figure

Tested By: JFS

Checked By: KJS

B-226C

Route To: Watershed/Wastewater ☐ Waste Management ☒
Remediation/Redevelopment ☐ Other ☐

Page 1 of 3


Facility/Project Name Dane County Landfill No. 3 (Proposed) SCS#: 25222268.00		License/Permit/Monitoring Number		Boring Number B-226C	
Boring Drilled By: Name of crew chief (first, last) and Firm Scott Klumb Soils & Engineering Services, Inc.		Date Drilling Started 2/21/2023		Date Drilling Completed 2/21/2023	
Drilling Method HSA 4.25" ID & HQ Core					
WI Unique Well No. --	DNR Well ID No. --	Common Well Name --	Final Static Water Level --	Surface Elevation 906.7 Feet MSL	Borehole Diameter 8.3" & 3.8"
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input checked="" type="checkbox"/> State Plane 377,533 N, 2,168,776 E S/C/N		Lat --- ° --- ' --- "		Local Grid Location Feet <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
NE 1/4 of NE 1/4 of Section 36, T 7 N, R 10 E		Long --- ° --- ' --- "			
Facility ID		County Dane	County Code 13	Civil Town/City/ or Village City of Madison	

Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments	
Number and Type	Length Att. & Recovered (in)								Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200		
Run 1	22		1	Blind drilled to 10' bgs. (See B-226 log for lithology from 0' to 10' bgs.)											
			2												
			3												
			4												
			5												
			6												
			7												
			8												
			9												
			10												
			11												
			12	DOLOMITE (DL4), light gray (10YR 7/2) and very pale brown (10YR 7/3), massive, with chert, dendrites, glauconite, and round, oval and elongated vugs. (Prairie du Chien Group, Oneota Formation)	DL4	/	/	/	/	/	/				
			13												
			14												
			15												

FF=2.2/ft
Percent
Recovery=39%
RQD=12.5%
very poor

FF=2.2/ft
Percent
Recovery=39%
RQD=12.5%
very poor

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

Signature  Jackie Rennebohm, PG Firm **SCS Engineers**
2830 Dairy Drive, Madison, WI 53718

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be 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		B-226C		Use only as an attachment to Form 4400-122.										Page 2 of 3	
Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments	
Number and Type	Length Att. & Recovered (in)								Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200		
Run 2	44		16	DOLOMITE (DL4), light gray (10YR 7/2) and very pale brown (10YR 7/3), massive, with chert, dendrites, glauconite, and round, oval and elongated vugs. (Prairie du Chien Group, Oneota Formation) Sandy, with trace green (glauconite) clay.										FF=1.08/ft Percent Recovery=73% RQD=33%, poor	
			17												
			18												
			19												
			20												
Run 3	52		21	Less chert, aragonite crystallization in some vugs.										FF=0.62/ft Percent Recovery=87% RQD=37%, poor	
			22												
			23												
			24												
			25												
Run 4	58.5		26	DL4										FF=1.64/ft Percent Recovery=98% RQD=76%, good	
			27												
			28												
			29												
			30												
Run 5	48		31											FF=1/ft Percent Recovery=80% RQD=45%, poor	
			32												
			33												
			34												
			35												
Run 6	42		36	From 36' to 37.5', chert intermixed with green (glauconite) clay.										FF=1.43/ft Percent Recovery=70% RQD=54%, fair	
			37												
			38												
			39												
			40												

[illegible]

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

☐ **Verification Only of Fill and Seal****Route to DNR Bureau:**☐ Drinking Water☐ Watershed/Wastewater☐ Remediation/Redevelopment☒ Waste Management☐ Other: _____**1. Well Location Information**

County Dane	WI Unique Well # of Removed Well _____	Hicap # B-226C
-----------------------	--	--------------------------

Latitude / Longitude (see instructions) _____ N _____ W	Format Code <input type="checkbox"/> DD <input type="checkbox"/> DDM	Method Code <input type="checkbox"/> GPS008 <input type="checkbox"/> SCR002 <input type="checkbox"/> OTH001
---	--	--

1/4 / 1/4 NE or Gov't Lot #	1/4 NE	Section 36	Township 7 N	Range 10	<input checked="" type="checkbox"/> E <input type="checkbox"/> W
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Well Street Address
7101 US Highway 12 & 18Well City, Village or Town
Madison, WISubdivision Name
_____Well ZIP Code
53718Lot #
_____Reason for Removal from Service
Temporary Borehole**3. Filled & Sealed Well / Drillhole / Borehole Information**

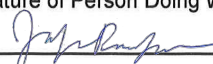
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input checked="" type="checkbox"/> Borehole / Drillhole	WI Unique Well # of Replacement Well _____ Original Construction Date (mm/dd/yyyy) 02/21/2023 If a Well Construction Report is available, please attach.
---	--

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (specify): _____Formation Type:
☒ Unconsolidated Formation ☒ BedrockTotal Well Depth From Ground Surface (ft.)
40.7Lower Drillhole Diameter (in.)
8.3 to 3.8Was well annular space grouted? ☐ Yes ☒ No ☐ UnknownIf yes, to what depth (feet)?
_____Depth to Water (feet)
~4**5. Material Used to Fill Well / Drillhole**

3/8" Bentonite Chips	From (ft.) Surface	To (ft.) 4	No. Yards, Sacks Sealant or Volume (circle one) 100 lbs	Mix Ratio or Mud Weight dry mix
Bentonite Grout	4	40.7	50-gallons	2lbs/gal

6. Comments

Boring B-226C

7. Supervision of WorkName of Person or Firm Doing Filling & Sealing
Soils & Engineering Services, Inc.License #
_____Date of Filling & Sealing or Verification
(mm/dd/yyyy) **02/21/2023**Street or Route
1102 Stewart StTelephone Number
(608) 274-7600City
MadisonState
WIZIP Code
53713Signature of Person Doing Work
Date Signed
02/21/2023**2. Facility / Owner Information**Facility Name
Dane County Landfill No.3 (Proposed)Facility ID (FID or PWS)
_____License/Permit/Monitoring #
_____Original Well Owner
Dane County Department of Waste and RenewablesPresent Well Owner
Dane County Department of Waste and RenewablesMailing Address of Present Owner
1919 Alliant Energy Center WayCity of Present Owner
MadisonState
WIZIP Code
53713**4. Pump, Liner, Screen, Casing & Sealing Material**Pump and piping removed? ☐ Yes ☐ No ☒ N/ALiner(s) removed? ☐ Yes ☐ No ☒ N/ALiner(s) perforated? ☐ Yes ☐ No ☒ N/AScreen removed? ☐ Yes ☐ No ☒ N/ACasing left in place? ☐ Yes ☐ No ☒ N/AWas casing cut off below surface? ☐ Yes ☐ No ☒ N/ADid sealing material rise to surface? ☒ Yes ☐ No ☐ N/ADid material settle after 24 hours? ☒ Yes ☐ No ☐ N/AIf yes, was hole retopped? ☒ Yes ☐ No ☐ N/AIf bentonite chips were used, were they hydrated
with water from a known safe source? ☒ Yes ☐ No ☐ N/A**Required Method of Placing Sealing Material**☐ Conductor Pipe-Gravity ☒ Conductor Pipe-Pumped☒ Screened & Poured
(Bentonite Chips) ☐ Other (Explain): _____**Sealing Materials**☐ Neat Cement Grout ☒ Bentonite Grout☐ Sand-Cement (Concrete) Grout ☒ Bentonite Chips**For Monitoring Wells and Monitoring Well Boreholes Only:**☐ Bentonite Chips ☐ Bentonite - Cement Grout☐ Granular Bentonite ☐ Bentonite - Sand Slurry

B-227

Route To: Watershed/Wastewater ☐ Waste Management ☒
Remediation/Redevelopment ☐ Other ☐

Page 1 of 2

Facility/Project Name Dane County Landfill No. 3 (Proposed) SCS#: 25222268.00			License/Permit/Monitoring Number		Boring Number B-227	
Boring Drilled By: Name of crew chief (first, last) and Firm Tony Kapugi On-site Environmental Services, Inc.			Date Drilling Started 1/12/2023		Date Drilling Completed 1/12/2023	
Drilling Method Direct Push 2" ID						
WI Unique Well No. --	DNR Well ID No. --	Common Well Name --	Final Static Water Level 907.1 Feet MSL		Surface Elevation 911.1 Feet MSL	
					Borehole Diameter 2.3"	
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input checked="" type="checkbox"/> State Plane 377,192 N, 2,168,624 E S/C/N			Lat --- ° --- ' --- "		Local Grid Location Feet <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
NE 1/4 of NE 1/4 of Section 36, T 7 N, R 10 E			Long --- ° --- ' --- "			
Facility ID		County Dane	County Code 13	Civil Town/City/ or Village City of Madison		

Sample			Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments	
Number and Type	Length Att. & Recovered (in)	Standard Penetration								Moisture Content	Liquid Limit	Plasticity Index	P 200			
S1	38		1	SILT (ML), very dark grayish brown (10YR 3/2), organic rich, with roots. (Topsoil)	ML						1.0 1.25 2.25	M/W				Depth to water at 4' bgs.
			2	LEAN CLAY (CL), dark yellowish brown (10YR 4/4) with black mottling, mostly silt with clay, some fine sand, soft, cohesive, uniform, massive, trace roots. (Loess)	CL											
S2	28		3	SILTY SAND (SM), brown (7.5YR 5/4), mostly fine sand with medium to coarse sand and some clay, fine to coarse gravel (mostly dolomite), uniform, massive. (Till) (Holy Hill Formation, Horicon Member)							0.5	W				
S3	50	4														
		5	Yellowish brown (10YR 5/4).													
			6													
			7													
			8													
			9													
			10													
			11													
			12													
			13													
			14													
			15													

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

Signature 	Adam Watson	Firm SCS Engineers 2830 Dairy Drive, Madison, WI 53718
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SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number		Use only as an attachment to Form 4400-122.										Page 2 of 2		
Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	
S4	49		16 17 18 19 20 21 22 23 24 25	1" layer of white (10YR 8/1) sandy clay.	SM				0.5	W				
S5	60		20 21 22 23 24 25						1.25	W				
S6	24		26 27	1" layer of yellow (10YR 7/8) fine sand. CLAYEY SAND (SC), yellowish brown (10YR 5/6), fine to coarse sand, with 1" layer of white clay (10YR 8/1) at bottom of sample, sub-rounded gravel (mostly dolomite). (Weathered Dolomite Bedrock) Refusal, end of boring at 27' bgs in dolomite. Abandoned borehole with bentonite grout and bentonite chips.	SC				1.75 1.0	W				Refusal at 27' bgs due to bedrock. Dolomite bedrock at 29.5' bgs at boring B-227C.

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

☐ **Verification Only of Fill and Seal****Route to DNR Bureau:**☐ Drinking Water☐ Watershed/Wastewater☐ Remediation/Redevelopment☒ Waste Management☐ Other: _____**1. Well Location Information**

County Dane	WI Unique Well # of Removed Well _____	Hicap # B-227
-----------------------	--	-------------------------

Latitude / Longitude (see instructions) _____ N _____ W	Format Code <input type="checkbox"/> DD <input type="checkbox"/> DDM	Method Code <input type="checkbox"/> GPS008 <input type="checkbox"/> SCR002 <input type="checkbox"/> OTH001
---	--	--

1/4 1/4 NE or Gov't Lot #	1/4 NE	Section 36	Township 7 N	Range 10	<input checked="" type="checkbox"/> E <input type="checkbox"/> W
------------------------------	--------	----------------------	------------------------	--------------------	---

Well Street Address
7101 US Highway 12 & 18Well City, Village or Town
Madison, WI

Subdivision Name

Well ZIP Code
53718

Lot #

Reason for Removal from Service
Temporary Borehole**3. Filled & Sealed Well / Drillhole / Borehole Information**

<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input checked="" type="checkbox"/> Borehole / Drillhole	WI Unique Well # of Replacement Well _____ Original Construction Date (mm/dd/yyyy) 01/12/2023 If a Well Construction Report is available, please attach.
---	--

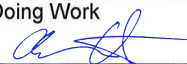
Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (specify): **Geoprobe/Direct Push**Formation Type:
☒ Unconsolidated Formation ☐ BedrockTotal Well Depth From Ground Surface (ft.)
27Lower Drillhole Diameter (in.)
2.3Was well annular space grouted? ☐ Yes ☒ No ☐ UnknownIf yes, to what depth (feet)?
NADepth to Water (feet)
~4**5. Material Used to Fill Well / Drillhole**

3/8" Bentonite Chips	From (ft.) Surface	To (ft.) 1	No. Yards, Sacks Sealant or Volume (circle one) .16 lbs	Mix Ratio or Mud Weight dry mix
Bentonite Grout	1	27	5-gallons	2lbs/gal

6. Comments

Boring B-227

7. Supervision of WorkName of Person or Firm Doing Filling & Sealing
On-site Environmental Services, IncLicense #

Date of Filling & Sealing or Verification
(mm/dd/yyyy) **01/12/2023**Street or Route
PO Box 280City
Sun PrairieState
WIZIP Code
53590Telephone Number
(608)837-8992Signature of Person Doing Work


Comments

Date Signed
01/12/2023**2. Facility / Owner Information**Facility Name
Dane County Landfill No.3 (Proposed)

Facility ID (FID or PWS)

License/Permit/Monitoring #

Original Well Owner
Dane County Department of Waste and RenewablesPresent Well Owner
Dane County Department of Waste and RenewablesMailing Address of Present Owner
1919 Alliant Energy Center WayCity of Present Owner
MadisonState
WIZIP Code
53713**4. Pump, Liner, Screen, Casing & Sealing Material**Pump and piping removed? ☐ Yes ☐ No ☒ N/ALiner(s) removed? ☐ Yes ☐ No ☒ N/ALiner(s) perforated? ☐ Yes ☐ No ☒ N/AScreen removed? ☐ Yes ☐ No ☒ N/ACasing left in place? ☐ Yes ☐ No ☒ N/AWas casing cut off below surface? ☐ Yes ☐ No ☒ N/ADid sealing material rise to surface? ☒ Yes ☐ No ☐ N/ADid material settle after 24 hours? ☒ Yes ☐ No ☐ N/AIf yes, was hole retopped? ☒ Yes ☐ No ☐ N/A

If bentonite chips were used, were they hydrated

with water from a known safe source? ☒ Yes ☐ No ☐ N/A**Required Method of Placing Sealing Material**☐ Conductor Pipe-Gravity ☒ Conductor Pipe-Pumped☒ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____**Sealing Materials**☐ Neat Cement Grout ☒ Bentonite Grout☐ Sand-Cement (Concrete) Grout ☒ Bentonite Chips**For Monitoring Wells and Monitoring Well Boreholes Only:**☐ Bentonite Chips ☐ Bentonite - Cement Grout☐ Granular Bentonite ☐ Bentonite - Sand Slurry

B-227C


Route To: Watershed/Wastewater ☐ Waste Management ☒
Remediation/Redevelopment ☐ Other ☐

Page 1 of 3

Facility/Project Name Dane County Landfill No. 3 (Proposed) SCS#: 25222268.00			License/Permit/Monitoring Number		Boring Number B-227C		
Boring Drilled By: Name of crew chief (first, last) and Firm Scott Klumb Soils & Engineering Services, Inc.			Date Drilling Started 2/21/2023		Date Drilling Completed 2/21/2023		
Drilling Method HSA 4.25" ID & HQ Core							
WI Unique Well No. --		DNR Well ID No. --		Common Well Name --		Final Static Water Level --	
				Surface Elevation 911.1 Feet MSL		Borehole Diameter 8.3" & 3.8"	
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input checked="" type="checkbox"/> State Plane 377,192 N, 2,168,624 E S/C/N NE 1/4 of NE 1/4 of Section 36, T 7 N, R 10 E			Lat _____ ° _____ ' _____ " _____" Long _____ ° _____ ' _____ " _____"		Local Grid Location Feet <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W		
Facility ID		County Dane		County Code 13		Civil Town/City/ or Village City of Madison	

Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	
			1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	Blind drilled to 27' bgs. (See B-227 log for lithology from 0' to 27' bgs.)										

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

Signature  Jackie Rennebohm, PG	Firm SCS Engineers 2830 Dairy Drive, Madison, WI 53718
--	---

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SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number		Use only as an attachment to Form 4400-122.										Page 2 of 3		
Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	
			16	Blind drilled to 27' bgs. (See B-227 log for lithology from 0' to 27' bgs.)										
			17											
			18											
			19											
			20											
			21											
			22											
			23											
			24											
			25											
			26											
			27											
			28											
			29											
Run 1	65		30	DOLOMITE (DL4), light gray (10YR 7/2) and very pale brown (10YR 7/3), sandy, massive, with chert, dendrites, green (glauconite) clay, and round, oval and elongated vugs. (Prairie du Chien Group, Oneota Formation)		/								FF=1.29/ft Percent Recovery=85% RQD=68%, fair
			31			/								
			32			/								
			33			/								
			34			/								
			35			/								
			36			/								
			37			/								
			38			/								
			39			/								
			40			/								
Run 2	46.5				DL4	/								FF=2.1/ft Percent Recovery=78% RQD=38%, poor

Sample			Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)	Standard Penetration								Moisture Content	Liquid Limit	Plasticity Index	P 200		
Run 3	26			41 42 43 44 45	DOLOMITE (DL4), light gray (10YR 7/2) and very pale brown (10YR 7/3), sandy, massive, with chert, dendrites, green (glauconite) clay, and round, oval and elongated vugs. (Prairie du Chien Group, Oneota Formation)	DL4									FF=1.85/ft Percent Recovery=43% RQD=10% very poor
					End of boring at 45.6' bgs in dolomite. Abandoned borehole with bentonite grout and bentonite chips.										

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

☐ **Verification Only of Fill and Seal****Route to DNR Bureau:**☐ Drinking Water☐ Watershed/Wastewater☐ Remediation/Redevelopment☒ Waste Management☐ Other: _____**1. Well Location Information**

County	WI Unique Well # of Removed Well	Hicap #
Dane		B-227C

Latitude / Longitude (see instructions)	Format Code	Method Code
N	<input type="checkbox"/> DD	<input type="checkbox"/> GPS008
W	<input type="checkbox"/> DDM	<input type="checkbox"/> SCR002
		<input type="checkbox"/> OTH001

1/4 / 1/4 NE	1/4 NE	Section	Township	Range	<input checked="" type="checkbox"/> E
or Gov't Lot #		36	7 N	10	<input type="checkbox"/> W

Well Street Address
7101 US Highway 12 & 18

Well City, Village or Town	Well ZIP Code
Madison, WI	53718

Subdivision Name	Lot #

Reason for Removal from Service	WI Unique Well # of Replacement Well
Temporary Borehole	

3. Filled & Sealed Well / Drillhole / Borehole Information

<input type="checkbox"/> Monitoring Well	Original Construction Date (mm/dd/yyyy)
<input type="checkbox"/> Water Well	02/21/2023
<input checked="" type="checkbox"/> Borehole / Drillhole	If a Well Construction Report is available, please attach.

Construction Type:
<input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug
<input type="checkbox"/> Other (specify): _____

Formation Type:
<input checked="" type="checkbox"/> Unconsolidated Formation <input checked="" type="checkbox"/> Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
45.6	NA

Lower Drillhole Diameter (in.)	Casing Depth (ft.)
8.3 to 3.8	NA

Was well annular space grouted?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown
---------------------------------	--

If yes, to what depth (feet)?	Depth to Water (feet)
NA	4

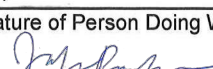
5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" Bentonite Chips	Surface	8	200 lbs	dry mix
Bentonite Grout	8	45.6	100-gallons	2lbs/gal

6. Comments

Boring B-227C

7. Supervision of Work

Supervision of Work			DNR Use Only	
Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)	Date Received	Noted By
Soils & Engineering Services, Inc.		02/21/2023		
Street or Route	Telephone Number		Comments	
1102 Stewart St	(608) 274-7600			
City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Madison	WI	53713		02/21/2023

B-228

Route To: Watershed/Wastewater ☐ Waste Management ☒
Remediation/Redevelopment ☐ Other ☐

Page 1 of 1

Facility/Project Name Dane County Landfill No. 3 (Proposed) SCS#: 25222268.00			License/Permit/Monitoring Number		Boring Number B-228	
Boring Drilled By: Name of crew chief (first, last) and Firm Tony Kapugi On-site Environmental Services, Inc.			Date Drilling Started 1/11/2023		Date Drilling Completed 1/11/2023	
Drilling Method Direct Push 2" ID						
WI Unique Well No. --	DNR Well ID No. --	Common Well Name --	Final Static Water Level --	Surface Elevation 932.2 Feet MSL		Borehole Diameter 2.3"
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input checked="" type="checkbox"/> State Plane 377,263 N, 2,169,326 E S/C/N NE 1/4 of NE 1/4 of Section 36, T 7 N, R 10 E			Lat --- ° --- ' --- " Long --- ° --- ' --- "		Local Grid Location Feet <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
Facility ID		County Dane	County Code 13	Civil Town/City/ or Village City of Madison		

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	
S1	38		1	SILT (ML), very dark grayish brown (10YR 3/2), organic rich, with roots. (Topsoil)	ML									
			2	LEAN CLAY (CL), strong brown (7.5YR 5/6), mostly silt with clay, some fine sand, soft, cohesive, uniform, massive, trace roots. (Loess)	CL									
			3											
			4	CLAYEY SAND (SC), strong brown (7.5YR 5/6), mostly fine sand with medium to coarse sand and some clay, fine to coarse gravel (mostly dolomite), uniform, massive, soft. (Till) (Holy Hill Formation, Horicon Member)	SC									
			5	DOLOMITE, brownish yellow (10YR 6/6), fine grained sand and fine to coarse gravel (mostly dolomite). (Weathered Dolomite Bedrock)	DOL									
				Refusal, end of boring at 5' bgs in dolomite. Abandoned borehole with bentonite chips.										Refusal at 5' bgs due to bedrock. Dolomite bedrock at 9' bgs at boring B-228C.

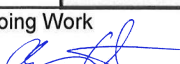
I hereby certify that the information on this form is true and correct to the best of my knowledge.

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

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

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☐ **Verification Only of Fill and Seal****Route to DNR Bureau:**☐ Drinking Water☐ Watershed/Wastewater☐ Remediation/Redevelopment☒ Waste Management☐ Other: _____

1. Well Location Information				2. Facility / Owner Information			
County Dane		WI Unique Well # of Removed Well _____		Hicap # B-228		Facility Name Dane County Landfill No.3 (Proposed)	
Latitude / Longitude (see instructions) _____ N _____ W		Format Code <input type="checkbox"/> DD <input type="checkbox"/> DDM		Method Code <input type="checkbox"/> GPS008 <input type="checkbox"/> SCR002 <input type="checkbox"/> OTH001		Facility ID (FID or PWS) _____	
1/4 1/4 NE or Gov't Lot #		Section 36		Township 7 N		Range <input checked="" type="checkbox"/> E <input type="checkbox"/> W	
Well Street Address 7101 US Highway 12 & 18				Original Well Owner Dane County Department of Waste and Renewables			
Well City, Village or Town Madison, WI				Present Well Owner Dane County Department of Waste and Renewables			
Subdivision Name _____				Mailing Address of Present Owner 1919 Alliant Energy Center Way			
Reason for Removal from Service Temporary Borehole				City of Present Owner Madison			
WI Unique Well # of Replacement Well _____				State WI		ZIP Code 53713	
3. Filled & Sealed Well / Drillhole / Borehole Information				4. Pump, Liner, Screen, Casing & Sealing Material			
<input type="checkbox"/> Monitoring Well		Original Construction Date (mm/dd/yyyy) 01/11/2023		Pump and piping removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
<input type="checkbox"/> Water Well		If a Well Construction Report is available, please attach. _____		Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
<input checked="" type="checkbox"/> Borehole / Drillhole				Liner(s) perforated? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
Construction Type:				Screen removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
<input type="checkbox"/> Drilled		<input type="checkbox"/> Driven (Sandpoint)		<input type="checkbox"/> Dug		Casing left in place? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
<input checked="" type="checkbox"/> Other (specify): Geoprobe/Direct Push				Was casing cut off below surface? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
Formation Type:				Did sealing material rise to surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
<input checked="" type="checkbox"/> Unconsolidated Formation		<input type="checkbox"/> Bedrock		Did material settle after 24 hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A			
Total Well Depth From Ground Surface (ft.) 5		Casing Diameter (in.) NA		If yes, was hole retopped? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A			
Lower Drillhole Diameter (in.) 2.3		Casing Depth (ft.) NA		If bentonite chips were used, were they hydrated with water from a known safe source? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
Was well annular space grouted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown		If yes, to what depth (feet)? NA		Required Method of Placing Sealing Material			
Depth to Water (feet) --				<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped			
5. Material Used to Fill Well / Drillhole				<input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain): _____			
From (ft.) Surface		To (ft.) 5		No. Yards, Sacks Sealant or Volume (circle one) 12 lbs		Mix Ratio or Mud Weight dry mix	
6. Comments Boring B-228							
7. Supervision of Work				DNR Use Only			
Name of Person or Firm Doing Filling & Sealing On-site Environmental Services, Inc		License # _____		Date of Filling & Sealing or Verification (mm/dd/yyyy) 01/11/2023		Date Received _____	
Street or Route PO Box 280		Telephone Number (608)837-8992		Comments _____		Noted By _____	
City Sun Prairie		State WI		ZIP Code 53590		Signature of Person Doing Work 	
						Date Signed 01/11/2023	

B-228C


Route To: Watershed/Wastewater ☐ Waste Management ☒
Remediation/Redevelopment ☐ Other ☐

Page 1 of 4

Facility/Project Name Dane County Landfill No. 3 (Proposed) SCS#: 25222268.00		License/Permit/Monitoring Number		Boring Number B-228C	
Boring Drilled By: Name of crew chief (first, last) and Firm Dylan Martin Subsurface Exploration Services		Date Drilling Started 2/27/2023		Date Drilling Completed 2/28/2023	
Drilling Method HSA 4.25" ID & NQ Core					
WI Unique Well No. --	DNR Well ID No. --	Common Well Name --	Final Static Water Level --	Surface Elevation 932.2 Feet MSL	Borehole Diameter 8.3" & 3"
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input checked="" type="checkbox"/> State Plane 377,263 N, 2,169,326 E S/C/N NE 1/4 of NE 1/4 of Section 36, T 7 N, R 10 E		Lat --- ° --- ' --- " Long --- ° --- ' --- "		Local Grid Location Feet <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
Facility ID		County Dane	County Code 13	Civil Town/City/ or Village City of Madison	

Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	
			1	Blind drilled to 8.5' bgs. (See B-228 log for lithology from 0' to 5' bgs.)										
			2											
			3											
			4											
			5											
			6											
			7											
			8											
S1	1	50/<1"	9	DOLOMITE (DL2), light brownish gray (2.5Y 6/2), light olive brown (2.5Y 5/3), and yellow (2.5Y 7/6), massive, with trace round to oval vugs, chert, and dendrites. (Sinnipee Group, Platteville Formation)		/								
			10			/								
			11			/								
			12		DL2	/								
			13			/								
			14			/								
			15			/								
Run 1	48												FF=0.75/ft Percent Recovery=89% RQD=18.5%, very poor	

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

Signature 	Adam Watson	Firm SCS Engineers 2830 Dairy Drive, Madison, WI 53718
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SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number		Use only as an attachment to Form 4400-122.										Page 2 of 4		
Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	
Run 2	64		16	DOLOMITE (DL2), light brownish gray (2.5Y 6/2), light olive brown (2.5Y 5/3), and yellow (2.5Y 7/6), massive, with trace round to oval vugs, chert, and dendrites. (Sinnipee Group, Platteville Formation)	DL2									FF=1.13/ft Percent Recovery=100% RQD=30%, poor
			17											
			18											
			19											
			20	Gray (GLE Y 1 5/N) and pale brown (2.5Y 7/4), massive to thinly bedded with shale and or silt, bedding is slightly wavy to nodular, fossiliferous.										
Run 3	60		21										FF=0.6/ft Percent Recovery=100% RQD=77%, good	
			22											
			23											
			24											
			25											
Run 4	30		26	SANDSTONE (SS2), brownish yellow (10YR 6/8) and reddish yellow (7.5YR 6/8), fine to medium sand, well sorted, massive, planar, and low-angle cross-bedding, trace iron staining and iron inclusions. (Ancell Group, St. Peter Formation, Tonti Member)	SS2								FF=0.8/ft Percent Recovery=50% RQD=7%, very poor	
			27											
			28											
			29											
			30											
Run 5	45		31											FF=1.6ft Percent Recovery=75% RQD=0%, very poor
			32											
			33											
			34	Calcite veins.										
			35											
Run 6	28		36		SS2								FF=1.74/ft Percent Recovery=47% RQD=0%, very poor	
			37											
			38											
			39	Light yellow (10YR 8/8 and 10YR 7/8), slightly more iron inclusions and staining.										
			40											

[illegible]

Sample	
Number and Type	Length Att. & Recovered (in)
Blow Counts	
Depth In Feet	
Soil/Rock Description And Geologic Origin For Each Major Unit	
U S C S	
Graphic Log	
Well Diagram	
PID/FID	
Standard Penetration	
Moisture Content	
Liquid Limit	
Plasticity Index	
P 200	
RQD/ Comments	

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☐ **Verification Only of Fill and Seal****Route to DNR Bureau:**☐ Drinking Water☐ Watershed/Wastewater☐ Remediation/Redevelopment☒ Waste Management☐ Other: _____**1. Well Location Information**

County Dane	WI Unique Well # of Removed Well _____	Hicap # B-228C
-----------------------	--	--------------------------

Latitude / Longitude (see instructions) _____ N _____ W	Format Code <input type="checkbox"/> DD <input type="checkbox"/> DDM	Method Code <input type="checkbox"/> GPS008 <input type="checkbox"/> SCR002 <input type="checkbox"/> OTH001
---	--	--

1/4 / 1/4 NE or Gov't Lot #	1/4 NE	Section 36	Township 7 N	Range 10	<input checked="" type="checkbox"/> E <input type="checkbox"/> W
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Well Street Address
7101 US Highway 12 & 18Well City, Village or Town
Madison, WISubdivision Name

Well ZIP Code
53718
Lot #
_____Reason for Removal from Service
Temporary Borehole
WI Unique Well # of Replacement Well
_____**3. Filled & Sealed Well / Drillhole / Borehole Information**☐ Monitoring Well☐ Water Well☒ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy)

02/28/2023If a Well Construction Report is available,
please attach.

Construction Type:

☒ Drilled☐ Driven (Sandpoint)☐ Dug☐ Other (specify): _____

Formation Type:

☒ Unconsolidated Formation☒ Bedrock

Total Well Depth From Ground Surface (ft.)

64.1

Casing Diameter (in.)

NA

Lower Drillhole Diameter (in.)

8.3 to 3.0

Casing Depth (ft.)

NA

Was well annular space grouted?

☐ Yes☒ No☐ Unknown

If yes, to what depth (feet)?

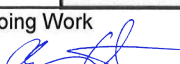
NA

Depth to Water (feet)

--**5. Material Used to Fill Well / Drillhole****3/8" Bentonite Chips****Bentonite Grout**

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	25	175 lbs	dry mix
25	64.1	30-gallons	2lbs/gal

6. Comments**Boring B-228C****7. Supervision of Work**




Name of Person or Firm Doing Filling & Sealing			License #		Date of Filling & Sealing or Verification (mm/dd/yyyy) 02/28/2023		DNR Use Only	
Subsurface Exploration Surfaces							Date Received	Noted By
Street or Route			Telephone Number		Comments			
2900 Lowell Dr.			(920) 544-4226					
City Green Bay			State WI		ZIP Code 54311		Signature of Person Doing Work 	
							Date Signed 02/28/2023	

B-229

Route To: Watershed/Wastewater ☐ Waste Management ☒
Remediation/Redevelopment ☐ Other ☐

Page 1 of 1

Facility/Project Name Dane County Landfill No. 3 (Proposed) SCS#: 25222268.00			License/Permit/Monitoring Number		Boring Number B-229	
Boring Drilled By: Name of crew chief (first, last) and Firm Tony Kapugi On-site Environmental Services, Inc.			Date Drilling Started 1/11/2023		Date Drilling Completed 1/11/2023	
Drilling Method Direct Push 2" ID						
WI Unique Well No. --	DNR Well ID No. --	Common Well Name --	Final Static Water Level --	Surface Elevation 924.2 Feet MSL		Borehole Diameter 2.3"
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input checked="" type="checkbox"/> State Plane 377,272 N, 2,169,720 E S/C/N NE 1/4 of NE 1/4 of Section 36, T 7 N, R 10 E			Lat _____ ' _____" Long _____ ' _____"		Local Grid Location Feet <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
Facility ID		County Dane	County Code 13	Civil Town/City/ or Village City of Madison		

Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	
S1	53		1	SILT (ML), very dark grayish brown (10YR 3/2), organic rich, with roots. (Topsoil)	ML				1.75	M				Refusal at 6' bgs due to bedrock.
		2	LEAN CLAY (CL), brown (7.5YR 4/3), mostly silt with clay, some fine sand, soft, cohesive, uniform, massive, trace roots. (Loess)	CL										
		3	POORLY GRADED GRAVEL WITH SAND (GP), yellow (10YR 7/6), fine to coarse gravel (mostly dolomite) with fine sand. (Weathered Dolomite Bedrock)	GP										
4														
5														
6														
S2	12			Refusal, end of boring at 6' bgs in dolomite. Abandoned borehole with bentonite chips.										

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

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

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☐ **Verification Only of Fill and Seal****Route to DNR Bureau:**☐ Drinking Water☐ Watershed/Wastewater☐ Remediation/Redevelopment☒ Waste Management☐ Other: _____**1. Well Location Information**

County	WI Unique Well # of Removed Well	Hicap #
Dane		B-229
Latitude / Longitude (see instructions)	Format Code	Method Code
N	<input type="checkbox"/> DD	<input type="checkbox"/> GPS008
W	<input type="checkbox"/> DDM	<input type="checkbox"/> SCR002
		<input type="checkbox"/> OTH001
1/4 1/4 NE	Section	Township
or Gov't Lot #	36	7 N
		Range 10
		<input checked="" type="checkbox"/> E
		<input type="checkbox"/> W

Well Street Address

7101 US Highway 12 & 18

Well City, Village or Town

Madison, WI

Subdivision Name

Well ZIP Code

53718

Lot #

Reason for Removal from Service

Temporary Borehole

WI Unique Well # of Replacement Well

3. Filled & Sealed Well / Drillhole / Borehole Information

<input type="checkbox"/> Monitoring Well	Original Construction Date (mm/dd/yyyy)
<input type="checkbox"/> Water Well	01/11/2023
<input checked="" type="checkbox"/> Borehole / Drillhole	If a Well Construction Report is available, please attach.

Construction Type:

☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (specify): Geoprobe/Direct Push

Formation Type:

☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)

6

Casing Diameter (in.)

NA

Lower Drillhole Diameter (in.)

2.3

Casing Depth (ft.)

NA

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)?

NA

Depth to Water (feet)

--

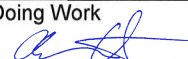
5. Material Used to Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	6	9 lbs	dry mix

6. Comments

Boring B-229

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)	DNR Use Only	
On-site Environmental Services, Inc		01/11/2023	Date Received	Noted By
Street or Route	Telephone Number	Comments		
PO Box 280	(608) 837-8992			
City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Sun Prairie	WI	53590		01/11/2023

B-229C

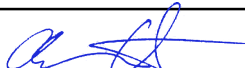
Route To: Watershed/Wastewater ☐ Waste Management ☒
Remediation/Redevelopment ☐ Other ☐

Page 1 of 1

Facility/Project Name Dane County Landfill No. 3 (Proposed) SCS#: 25222268.00		License/Permit/Monitoring Number		Boring Number B-229C	
Boring Drilled By: Name of crew chief (first, last) and Firm Dylan Martin Subsurface Exploration Services		Date Drilling Started 2/28/2023		Date Drilling Completed 2/28/2023	
Drilling Method HSA 4.25" ID					
WI Unique Well No. --	DNR Well ID No. --	Common Well Name --	Final Static Water Level --	Surface Elevation 924.2 Feet MSL	Borehole Diameter 8.3"
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input checked="" type="checkbox"/> State Plane 377,272 N, 2,169,720 E S/C/N NE 1/4 of NE 1/4 of Section 36, T 7 N, R 10 E		Lat --- ° --- ' --- " Long --- ° --- ' --- "		Local Grid Location Feet <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
Facility ID		County Dane	County Code 13	Civil Town/City/ or Village City of Madison	

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	
			1 2 3 4	Blind drilled to 4.5' bgs. (See log B-229 from 0' to 4.5' for lithology.)										
				End of boring at 4.5' bgs in dolomite. Abandoned with bentonite chips.										

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

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

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

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☐ **Verification Only of Fill and Seal****Route to DNR Bureau:**☐ Drinking Water☐ Watershed/Wastewater☐ Remediation/Redevelopment☒ Waste Management☐ Other: _____**1. Well Location Information**

County	WI Unique Well # of Removed Well	Hicap #
Dane		B-229C
Latitude / Longitude (see instructions)	Format Code	Method Code
N	<input type="checkbox"/> DD	<input type="checkbox"/> GPS008
W	<input type="checkbox"/> DDM	<input type="checkbox"/> SCR002
		<input type="checkbox"/> OTH001
1/4 1/4 NE	Section	Township
or Gov't Lot #	36	7 N
		Range 10
		<input checked="" type="checkbox"/> E
		<input type="checkbox"/> W

Well Street Address

7101 US Highway 12 & 18

Well City, Village or Town

Madison, WI

Subdivision Name

Well ZIP Code

53718

Lot #

Reason for Removal from Service

Temporary Borehole

WI Unique Well # of Replacement Well

3. Filled & Sealed Well / Drillhole / Borehole Information

<input type="checkbox"/> Monitoring Well	Original Construction Date (mm/dd/yyyy)
<input type="checkbox"/> Water Well	02/28/2023
<input checked="" type="checkbox"/> Borehole / Drillhole	If a Well Construction Report is available, please attach.

Construction Type:

☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (specify): Geoprobe/Direct Push

Formation Type:

☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)

4.5

Casing Diameter (in.)

NA

Lower Drillhole Diameter (in.)

8.3

Casing Depth (ft.)

NA

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)?

NA

Depth to Water (feet)

--

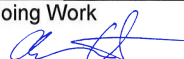
5. Material Used to Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	4.5	12.5 lbs	dry mix

6. Comments

Boring B-229C

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)	Date Received	Noted By
Subsurface Exploration Services		03/01/2023		
Street or Route	Telephone Number	Comments		
2900 Lowell Drive	(920) 544-4226			
City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Green Bay	WI	54311		03/01/2023

B-230

Route To: Watershed/Wastewater ☐ Waste Management ☒
Remediation/Redevelopment ☐ Other ☐

Page 1 of 2

Facility/Project Name Dane County Landfill No. 3 (Proposed) SCS#: 25222268.00			License/Permit/Monitoring Number		Boring Number B-230	
Boring Drilled By: Name of crew chief (first, last) and Firm Tony Kapugi On-site Environmental Services, Inc.			Date Drilling Started 1/12/2023		Date Drilling Completed 1/12/2023	
Drilling Method Direct Push 2" ID						
WI Unique Well No. --	DNR Well ID No. --	Common Well Name --	Final Static Water Level 865.4 Feet MSL		Surface Elevation 868.9 Feet MSL	
					Borehole Diameter 2.3"	
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input checked="" type="checkbox"/> State Plane 378,701 N, 2,166,493 E S/C/N			Lat --- ° --- ' --- "		Local Grid Location Feet <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
SE 1/4 of SW 1/4 of Section 25, T 7 N, R 10 E			Long --- ° --- ' --- "			
Facility ID		County Dane	County Code 13	Civil Town/City/ or Village City of Madison		

Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	
S1	38		1	SILT (ML), very dark grayish brown (10YR 3/2), organic rich, with roots. (Topsoil) LEAN CLAY (CL), grayish brown (2.5Y 5/2), mostly silt with clay, some fine sand, stiff, cohesive, uniform, massive, trace roots. (Loess)	ML								Measured depth to water at 3.5' bgs.	
		2	CL						1.0 1.75	M				
		3												
		4												
S2	42		5	Light yellowish brown (10YR 6/4) and very soft.										
		6												
		7												
		8	SM											
9														
10														
S3	44		11	SILTY SAND (SM), light yellowish brown (10YR 6/4), fine sand with medium to coarse sand and fine to coarse gravel with lenses of clay. (Outwash) (Holy Hill Formation) Yellow (10YR 7/6).										
		12												
		13												
		14												
		15												

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

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

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[illegible]

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

☐ **Verification Only of Fill and Seal****Route to DNR Bureau:**☐ Drinking Water☐ Watershed/Wastewater☐ Remediation/Redevelopment☒ Waste Management☐ Other: _____**1. Well Location Information**

County Dane	WI Unique Well # of Removed Well _____	Hicap # B-230
-----------------------	--	-------------------------

Latitude / Longitude (see instructions) _____ N _____ W	Format Code <input type="checkbox"/> DD <input type="checkbox"/> DDM	Method Code <input type="checkbox"/> GPS008 <input type="checkbox"/> SCR002 <input type="checkbox"/> OTH001
---	--	--

1/4 1/4 SE or Gov't Lot #	1/4 SW	Section 25	Township 7 N	Range 10	<input checked="" type="checkbox"/> E <input type="checkbox"/> W
------------------------------	--------	----------------------	------------------------	--------------------	---

Well Street Address
7101 US Highway 12 & 18Well City, Village or Town
Madison, WISubdivision Name
_____Well ZIP Code
53718Lot #
_____Reason for Removal from Service
Temporary Borehole**3. Filled & Sealed Well / Drillhole / Borehole Information**☐ Monitoring Well☐ Water Well☒ Borehole / DrillholeWI Unique Well # of Replacement Well
_____Original Construction Date (mm/dd/yyyy)
01/12/2023If a Well Construction Report is available,
please attach.

Construction Type:

☐ Drilled☐ Driven (Sandpoint)☐ Dug☒ Other (specify): **Geoprobe/Direct Push**

Formation Type:

☒ Unconsolidated Formation☐ Bedrock

Total Well Depth From Ground Surface (ft.) 25.5	Casing Diameter (in.) NA
---	------------------------------------

Lower Drillhole Diameter (in.) 2.3	Casing Depth (ft.) NA
--	---------------------------------

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)? NA	Depth to Water (feet) 3.5
--	-------------------------------------

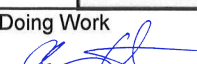
5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" Bentonite Chips	Surface	1	.16 lbs	dry mix
Bentonite Grout	1	25.5	5-gallons	2lbs/gal

6. Comments

Boring B-230

7. Supervision of Work


Supervision of Work			DNR Use Only	
Name of Person or Firm Doing Filling & Sealing On-site Environmental Services, Inc	License # _____	Date of Filling & Sealing or Verification (mm/dd/yyyy) 01/12/2023	Date Received _____	Noted By _____
Street or Route PO Box 280		Telephone Number (608)837-8992	Comments _____	
City Sun Prairie	State WI	ZIP Code 53590	Signature of Person Doing Work 	Date Signed 01/12/2023

B-231


Route To: Watershed/Wastewater ☐ Waste Management ☒
Remediation/Redevelopment ☐ Other ☐

Page 1 of 2

Facility/Project Name Dane County Landfill No. 3 (Proposed) SCS#: 25222268.00		License/Permit/Monitoring Number		Boring Number B-231	
Boring Drilled By: Name of crew chief (first, last) and Firm Tony Kapugi On-site Environmental Services, Inc.		Date Drilling Started 1/11/2023		Date Drilling Completed 1/11/2023	
Drilling Method Direct Push 2" ID					
WI Unique Well No. --	DNR Well ID No. --	Common Well Name --	Final Static Water Level --	Surface Elevation 911.4 Feet MSL	Borehole Diameter 2.3"
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input checked="" type="checkbox"/> State Plane 376,569 N, 2,166,730 E S/C/N NE 1/4 of NW 1/4 of Section 36, T 7 N, R 10 E		Lat _____ ' _____" Long _____ ' _____"		Local Grid Location Feet <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
Facility ID		County Dane	County Code 13	Civil Town/City/ or Village City of Madison	


Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	
S1	29		1	SILT (ML), very dark grayish brown (10YR 3/2), organic rich, with roots. (Topsoil)	ML									
			2	LEAN CLAY (CL), dark yellowish brown (10YR 4/4), mostly silt with clay, some fine sand, soft, cohesive, uniform, massive, trace roots. (Loess)										
			3											
			4		CL									
S2	33		5											
			6											
			7	CLAYEY SAND (SC), dark yellowish brown (10YR 4/4), mostly fine sand with medium to coarse sand, fine to coarse gravel (mostly dolomite), uniform, massive, very soft. (Till) (Holy Hill Formation, Horicon Member)					1.5	M				
			8											
S3	43		9											
			10	Strong brown (7.5YR 5/8), with more clay.	SC									
			11											
			12											
			13						2.0	M/W				Hard drilling from 13' bgs to bottom of boring.
			14											
			15											

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

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

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SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number		Use only as an attachment to Form 4400-122.										Page 2 of 2		
Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	
S4	53		16 17 18 19 20 21	SILTY SAND WITH GRAVEL (SM), yellow (2.5Y 7/8), fine to coarse gravel (mostly dolomite) and sand, with calcite crystal at top of sample. (Weathered Dolomite Bedrock)	SM									
S5	12			Refusal, end of boring at 21' bgs in dolomite. Abandoned borehole with bentonite grout and bentonite chips.										Refusal at 21' bgs due to bedrock.

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☐ **Verification Only of Fill and Seal****Route to DNR Bureau:**☐ Drinking Water☐ Watershed/Wastewater☐ Remediation/Redevelopment☒ Waste Management☐ Other: _____**1. Well Location Information**

County Dane	WI Unique Well # of Removed Well _____	Hicap # B-231
-----------------------	--	-------------------------

Latitude / Longitude (see instructions) _____ N _____ W	Format Code <input type="checkbox"/> DD <input type="checkbox"/> DDM	Method Code <input type="checkbox"/> GPS008 <input type="checkbox"/> SCR002 <input type="checkbox"/> OTH001
---	--	--

1/4 1/4 NE or Gov't Lot #	1/4 NW	Section 36	Township 7 N	Range 10	<input checked="" type="checkbox"/> E <input type="checkbox"/> W
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Well Street Address
7101 US Highway 12 & 18Well City, Village or Town
Madison, WI

Subdivision Name

Well ZIP Code
53718

Lot #

Reason for Removal from Service
Temporary Borehole**3. Filled & Sealed Well / Drillhole / Borehole Information**

<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input checked="" type="checkbox"/> Borehole / Drillhole	WI Unique Well # of Replacement Well _____ Original Construction Date (mm/dd/yyyy) 01/11/2023 If a Well Construction Report is available, please attach.
---	--

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (specify): **Geoprobe/Direct Push**Formation Type:
☒ Unconsolidated Formation ☐ BedrockTotal Well Depth From Ground Surface (ft.)
21Lower Drillhole Diameter (in.)
2.3Was well annular space grouted? ☐ Yes ☒ No ☐ UnknownIf yes, to what depth (feet)?
NADepth to Water (feet)
--**5. Material Used to Fill Well / Drillhole**

3/8" Bentonite Chips	From (ft.) Surface	To (ft.) 1	No. Yards, Sacks Sealant or Volume (circle one) .16 lbs	Mix Ratio or Mud Weight dry mix
Bentonite Grout	1	21	3.75-gallons	2lbs/gal

6. Comments

Boring B-231

7. Supervision of WorkName of Person or Firm Doing Filling & Sealing
On-site Environmental Services, IncLicense #

Date of Filling & Sealing or Verification
(mm/dd/yyyy) **01/11/2023**Street or Route
PO Box 280City
Sun PrairieState
WIZIP Code
53590**2. Facility / Owner Information**Facility Name
Dane County Landfill No.3 (Proposed)

Facility ID (FID or PWS)

License/Permit/Monitoring #

Original Well Owner
Dane County Department of Waste and RenewablesPresent Well Owner
Dane County Department of Waste and RenewablesMailing Address of Present Owner
1919 Alliant Energy Center WayCity of Present Owner
MadisonState
WIZIP Code
53713**4. Pump, Liner, Screen, Casing & Sealing Material**Pump and piping removed? ☐ Yes ☐ No ☒ N/ALiner(s) removed? ☐ Yes ☐ No ☒ N/ALiner(s) perforated? ☐ Yes ☐ No ☒ N/AScreen removed? ☐ Yes ☐ No ☒ N/ACasing left in place? ☐ Yes ☐ No ☒ N/AWas casing cut off below surface? ☐ Yes ☐ No ☒ N/ADid sealing material rise to surface? ☒ Yes ☐ No ☐ N/ADid material settle after 24 hours? ☒ Yes ☐ No ☐ N/AIf yes, was hole retopped? ☒ Yes ☐ No ☐ N/AIf bentonite chips were used, were they hydrated
with water from a known safe source? ☒ Yes ☐ No ☐ N/ARequired Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☒ Conductor Pipe-Pumped☒ Screened & Poured
(Bentonite Chips) ☐ Other (Explain): _____Sealing Materials
☐ Neat Cement Grout ☒ Bentonite Grout☐ Sand-Cement (Concrete) Grout ☒ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:





☐ Bentonite Chips ☐ Bentonite - Cement Grout☐ Granular Bentonite ☐ Bentonite - Sand SlurrySignature of Person Doing Work
Date Signed
01/11/2023

B-232

Route To: Watershed/Wastewater ☐ Waste Management ☒
Remediation/Redevelopment ☐ Other ☐

Page 1 of 2

Facility/Project Name Dane County Landfill No. 3 (Proposed) SCS#: 25222268.00			License/Permit/Monitoring Number		Boring Number B-232	
Boring Drilled By: Name of crew chief (first, last) and Firm Tony Kapugi On-site Environmental Services, Inc.			Date Drilling Started 1/11/2023		Date Drilling Completed 1/11/2023	
Drilling Method Direct Push 2" ID						
WI Unique Well No. --	DNR Well ID No. --	Common Well Name --	Final Static Water Level 898.8 Feet MSL		Surface Elevation 913.2 Feet MSL	
					Borehole Diameter 2.3"	
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input checked="" type="checkbox"/> State Plane 377,857 N, 2,167,320 E S/C/N NE 1/4 of NW 1/4 of Section 36, T 7 N, R 10 E			Lat --- ° --- ' --- " Long --- ° --- ' --- "		Local Grid Location Feet <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
Facility ID		County Dane	County Code 13	Civil Town/City/ or Village City of Madison		



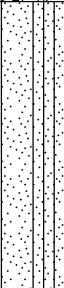
Sample			Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments		
Number and Type	Length Att. & Recovered (in)	Standard Penetration								Moisture Content	Liquid Limit	Plasticity Index	P 200				
S1	40		1	SILT (ML), very dark grayish brown (10YR 3/2), organic rich, with roots. (Topsoil)	ML					1.5 2.0	M						
			2	LEAN CLAY (CL), yellowish brown (10YR 5/4), mostly silt with clay, some fine sand, soft to stiff, cohesive, uniform, massive, trace roots. (Loess)	CL												
			3														
S2	43		4	SILTY SAND (SM), brown (7.5YR 5/4), mostly fine sand with medium to coarse sand and some clay, fine to coarse gravel (mostly dolomite), uniform, massive. (Till) (Holy Hill Formation, Horicon Member)						0.75	M						
			5														
			6														
S3	36		7	Olive brown (2.5Y 4/3).	SM							W			Measured depth to water at 14.4' bgs.		
			8														
			9														
			10	Yellowish red (5YR 4/6).													
			11														
			12														
			13														
			14														
			15														

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

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

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SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number		Use only as an attachment to Form 4400-122.										Page 2 of 2		
Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	
S4	50		16	SILTY GRAVEL WITH SAND (GM), yellow (10YR 7/6), fine to coarse gravel (mostly dolomite) and fine to coarse sand, with lenses of clay. (Weathered Dolomite Bedrock)	SM					W				
			17											
			18											
S5	41		19	POORLY GRADED SAND AND SILT (SP-SM), white (5YR 8/1), mostly fine to coarse sand and trace gravel (mostly dolomite), with stiff, light grayish green clay (SGY 6/2) and yellow (5Y 8/6) gravel. (Weathered Sandstone Bedrock)	GM					W				
			20											
			21											
S6	52		22	No gravel.	SP-SM					W				
			23											
			24											
S7	17		25	Refusal, end of boring at 31.5' bgs in sandstone. Abandoned borehole with bentonite grout and bentonite chips.									Refusal at 31.5' bgs due to bedrock.	
			26											
			27											

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

☐ **Verification Only of Fill and Seal****Route to DNR Bureau:**☐ Drinking Water☐ Watershed/Wastewater☐ Remediation/Redevelopment☒ Waste Management☐ Other: _____**1. Well Location Information**

County Dane	WI Unique Well # of Removed Well _____	Hicap # B-232
-----------------------	--	-------------------------

Latitude / Longitude (see instructions) _____ N _____ W	Format Code <input type="checkbox"/> DD <input type="checkbox"/> DDM	Method Code <input type="checkbox"/> GPS008 <input type="checkbox"/> SCR002 <input type="checkbox"/> OTH001
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1/4 / 1/4 NW or Gov't Lot #	1/4 NE	Section 36	Township 7 N	Range 10	<input checked="" type="checkbox"/> E <input type="checkbox"/> W
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Well Street Address 7101 US Highway 12 & 18

Well City, Village or Town Madison, WI	Well ZIP Code 53718
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Subdivision Name	Lot #
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Reason for Removal from Service Temporary Borehole	WI Unique Well # of Replacement Well _____
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3. Filled & Sealed Well / Drillhole / Borehole Information☐ Monitoring Well☐ Water Well☒ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy)

01/11/2023If a Well Construction Report is available,
please attach.**Construction Type:**☐ Drilled☐ Driven (Sandpoint)☐ Dug☒ Other (specify): **Geoprobe/Direct Push****Formation Type:**☒ Unconsolidated Formation☐ Bedrock

Total Well Depth From Ground Surface (ft.) 31.5	Casing Diameter (in.) NA
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Lower Drillhole Diameter (in.) 2.3	Casing Depth (ft.) NA
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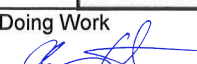
Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)? NA	Depth to Water (feet) 14
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5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" Bentonite Chips	Surface	1	.16 lbs	dry mix
Bentonite Grout	1	31.5	6-gallons	2lbs/gal

6. Comments**Boring B-232****7. Supervision of Work**

Supervision of Work			DNR Use Only	
Name of Person or Firm Doing Filling & Sealing On-site Environmental Services, Inc	License # _____	Date of Filling & Sealing or Verification (mm/dd/yyyy) 01/11/2023	Date Received _____	Noted By _____
Street or Route PO Box 280		Telephone Number (608)837-8992	Comments _____	
City Sun Prairie	State WI	ZIP Code 53590	Signature of Person Doing Work 	
			Date Signed 01/11/2023	

B-233


Route To: Watershed/Wastewater ☐ Waste Management ☒
Remediation/Redevelopment ☐ Other ☐

Page 1 of 1

Facility/Project Name Dane County Landfill No. 3 (Proposed) SCS#: 25222268.00		License/Permit/Monitoring Number		Boring Number B-233	
Boring Drilled By: Name of crew chief (first, last) and Firm Tony Kapugi On-site Environmental Services, Inc.		Date Drilling Started 1/11/2023		Date Drilling Completed 1/11/2023	
Drilling Method Direct Push 2" ID					
WI Unique Well No. --	DNR Well ID No. --	Common Well Name --	Final Static Water Level --	Surface Elevation 929.0 Feet MSL	Borehole Diameter 2.3"
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input checked="" type="checkbox"/>		Lat <u> </u> ° <u> </u> ' <u> </u> "		Local Grid Location	
State Plane 376,886 N, 2,167,404 E S / C / N		Long <u> </u> ° <u> </u> ' <u> </u> "		Feet <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
NE 1/4 of NW 1/4 of Section 36, T 7 N, R 10 E					
Facility ID		County Dane	County Code 13	Civil Town/City/ or Village City of Madison	

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	
S1	39		1	SILT (ML), very dark grayish brown (10YR 3/2), organic rich, with roots. (Topsoil)	ML									
			2	LEAN CLAY (CL), dark yellowish brown (10YR 4/6), mostly silt with clay, some fine sand, soft, cohesive, uniform, massive, trace roots. (Loess)	CL									
S2	34		3	SILTY SAND (SM), yellowish red (5YR 4/6), mostly fine sand with medium to coarse sand and some clay, fine to coarse gravel (mostly dolomite), uniform, massive. (Till) (Holy Hill Formation, Horicon Member)	SM				2.5	M				
			4											
			5	POORLY GRADED SAND AND SILT (SP-SM), yellow (10YR 7/6) and very dark brown (10YR 2/2), fine to coarse sand and gravel (mostly dolomite). (Weathered Dolomite Bedrock)	SP-SM									
			6	Yellow (10YR 8/8).						M				
			7											
			8											
				Refusal, end of boring at 8.5' bgs in dolomite. Abandoned borehole with bentonite chips.										Refusal at 8.5' bgs due to bedrock.

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

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

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

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

☐ **Verification Only of Fill and Seal****Route to DNR Bureau:**☐ Drinking Water☐ Watershed/Wastewater☐ Remediation/Redevelopment☒ Waste Management☐ Other: _____**1. Well Location Information**

County	WI Unique Well # of Removed Well	Hicap #
Dane		B-233
Latitude / Longitude (see instructions)	Format Code	Method Code
N	<input type="checkbox"/> DD	<input type="checkbox"/> GPS008
W	<input type="checkbox"/> DDM	<input type="checkbox"/> SCR002
		<input type="checkbox"/> OTH001
1/4 1/4 NW	Section	Township
1/4 NE	36	7 N
or Gov't Lot #		Range 10
		<input checked="" type="checkbox"/> E
		<input type="checkbox"/> W

Well Street Address

7101 US Highway 12 & 18

Well City, Village or Town

Madison, WI

Subdivision Name

Well ZIP Code

53718

Lot #

Reason for Removal from Service

Temporary Borehole

WI Unique Well # of Replacement Well

3. Filled & Sealed Well / Drillhole / Borehole Information

<input type="checkbox"/> Monitoring Well	Original Construction Date (mm/dd/yyyy)
<input type="checkbox"/> Water Well	01/11/2023
<input checked="" type="checkbox"/> Borehole / Drillhole	If a Well Construction Report is available, please attach.

Construction Type:

☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (specify): Geoprobe/Direct Push

Formation Type:

☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)

8.5

Casing Diameter (in.)

NA

Lower Drillhole Diameter (in.)

2.3

Casing Depth (ft.)

NA

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)?

NA

Depth to Water (feet)

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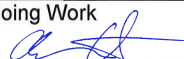
5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" Bentonite Chips	Surface	8.5	15 lbs	dry mix

6. Comments

Boring B-223

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)	DNR Use Only	
On-site Environmental Services, Inc		01/11/2023	Date Received	Noted By
Street or Route	Telephone Number	Comments		
PO Box 280	(608) 837-8992			
City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Sun Prairie	WI	53590		01/11/2023