

## 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-212

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-212	
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 864.9 Feet MSL	Surface Elevation 870.9 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 379,823 N, 2,168,049 E S / C / N NW 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	

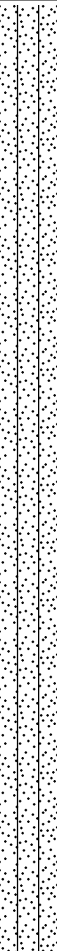

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	
S1	42		1	SILT (ML), dark brown (10YR 3/2), organic rich, silty with roots. (Topsoil)	ML									
			2	LEAN CLAY (CL), gray/brown (2.5Y 5/2) to olive brown (2.5Y 4/4), orange mottling, mostly silt with clay, some fine sand, cohesive, uniform, massive with trace roots and sticks. (Loess)										
			3	At 1' to 5', LEAN CLAY (CL) % g-s-si-cl = 0-5-55-40 LL=47, PI=25	CL									
S2	43		4											
			5											
			6	Grayish brown (2.5Y 5/2) with pieces of gray/white sandstone and fine subrounded gravel										
S3	56		7	SILTY SAND (SM), dark yellow brown (10YR 4/6), mostly fine sand with medium and coarse sand and some clay, fine and coarse gravel (mostly dolomite), uniform, massive. (Till) (Holy Hill Formation, Horicon Member)					0.25	W				Depth to water at ~6 feet.
			8											
			9											
			10											
			11											
			12		SM									
			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
---------------	--

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	
S4	53		16	SILTY SAND (SM), dark yellow brown (10YR 4/6), mostly fine sand with medium and coarse sand and some clay, fine and coarse gravel (mostly dolomite), uniform, massive. (Till) (Holy Hill Formation, Horicon Member)	SM					W				
			17											
			18											
			19											
			20											
S5	30		21							W				
			22											
			23											
			24											
			25											
S6	58		26							W				
			27											
			28											
			29											
			30											
S7	43		31	POORLY GRADED SAND WITH SILT (SP-SM), yellow (10YR 7/8), fine sand with medium to coarse sand, and fine to coarse gravel. (Outwash) (Holy Hill Formation)	SP-SM					W				
			32											
			33											
			34											
			35											
S8	39		36							W				
			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 <b>Dane</b>	WI Unique Well # of Removed Well _____	Hicap # <b>B-212</b>
-----------------------	---	-------------------------

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 NW or Gov't Lot #	1/4 SE	Section <b>25</b>	Township <b>7 N</b>	Range <b>10</b>	<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**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**☐ Monitoring Well☐ Water Well☒ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy)

**01/09/2023**If a Well Construction Report is available, please attach.  
\_\_\_\_\_

Construction Type:

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

Formation Type:

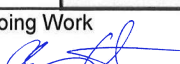
☒ Unconsolidated Formation☐ BedrockTotal Well Depth From Ground Surface (ft.)  
**40**Casing Diameter (in.)  
**NA**Lower Drillhole Diameter (in.)  
**2.3**Casing Depth (ft.)  
**NA**Was well annular space grouted? ☐ Yes ☒ No ☐ UnknownIf yes, to what depth (feet)?  
**NA**Depth to Water (feet)  
**~6****5. Material Used to Fill Well / Drillhole**

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
<b>3/8" Bentonite Chips</b>	<b>Surface</b>	<b>0.5</b>	<b>0.8 lbs</b>	<b>dry mix</b>
<b>Bentonite Grout</b>	<b>0.5</b>	<b>40</b>	<b>7-gallons</b>	<b>2lbs/gal</b>

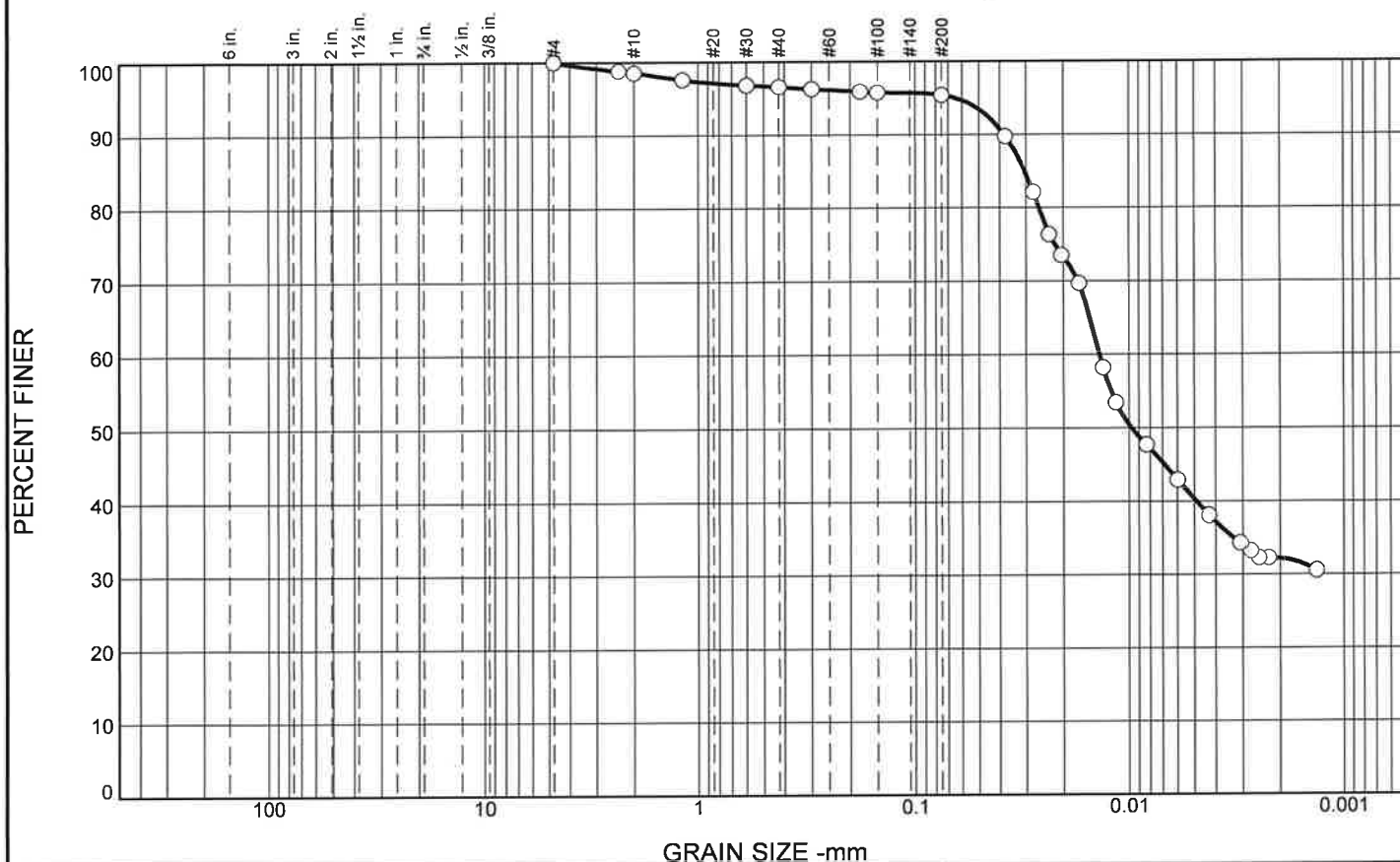
**6. Comments**

Boring B-212

**7. Supervision of Work**

Supervision of Work			DNR Use Only	
Name of Person or Firm Doing Filling & Sealing <b>On-site Environmental Services, Inc</b>	License # _____	Date of Filling & Sealing or Verification (mm/dd/yyyy) <b>01/09/2023</b>	Date Received _____	Noted By _____
Street or Route <b>PO Box 280</b>		Telephone Number <b>( 608 )837-8992</b>	Comments _____	
City <b>Sun Prairie</b>	State <b>WI</b>	ZIP Code <b>53590</b>	Signature of Person Doing Work 	Date Signed <b>01/09/2023</b>

# Particle Size Distribution Report



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

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

\* (no specification provided)

## Material Description

Brown Lean Clay, Trace Sand

## Atterberg Limits

PL= 22

LL= 47

PI= 25

## Coefficients

D<sub>90</sub>= 0.0382

D<sub>85</sub>= 0.0305

D<sub>60</sub>= 0.0137

D<sub>50</sub>= 0.0098

D<sub>30</sub>=

D<sub>15</sub>=

D<sub>10</sub>=

C<sub>u</sub>=

C<sub>c</sub>=

## Classification

USCS= CL

AASHTO= A-7-6(26)

## Remarks

Sample Number: B212

Depth: 1'-5'

Date: 3/8/23

**CGC, Inc.**

Client: SCS Engineers

Project: Dane Couty Yahara Hills

Project No: C22011-8

Figure

Tested By: JFS

Checked By: KJS

B-213


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-213	
Boring Drilled By: Name of crew chief (first, last) and Firm Tony Kapugi On-site Environmental Services, Inc.			Date Drilling Started 1/10/2023		Date Drilling Completed 1/10/2023	
Drilling Method Direct Push 2" ID						
WI Unique Well No. --	DNR Well ID No. --	Common Well Name --	Final Static Water Level 866.8 Feet MSL		Surface Elevation 884.2 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 379,579 N, 2,168,300 E S / C / N NW 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	28		1	SILT (ML), very dark grayish brown (10YR 3/2), organic rich, with roots. (Topsoil)	ML									
			2	SANDY LEAN CLAY (CL), reddish brown (5YR 4/4), mostly silt with clay, some fine sand, soft, cohesive, uniform, massive, trace roots and gravel. (Loess)	CL				1.25	M				
			3											
			4											
S2	43		5	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					M				
			6											
			7											
			8											
S3	53		9							M				
			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 	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	
S4	51		16		SM									
			17	CLAYEY SAND (SC), yellowish red (5YR 5/6), mostly fine sand, with medium to coarse sand and some clay, fine to coarse gravel (mostly dolomite), uniform, massive. (Till) (Holy Hill Formation, Horicon Member)										
S5	58		18											
			20		SC									
S6	59		22											
			24	POORLY GRADED SAND (SP), yellow (10YR 7/6), fine with medium to coarse sand and fine to coarse gravel. (Outwash) (Holy Hill Formation)										
S7	58		26											
			28		SP									
S8	58		30											
			32											
			33	SILTY SAND (SM), yellow (10YR 7/6), fine sand. (Outwash) (Holy Hill Formation)										
			35	Yellow (10YR 7/6), with alternating layers of fine to coarse sand with yellowish red (5YR 4/6) sand.	SM									

Measured depth to water at 17.4' bgs.

[illegible]



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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 <b>Dane</b>	WI Unique Well # of Removed Well _____	Hicap # <b>B-213</b>
-----------------------	---	-------------------------

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

Well Street Address <b>7101 US Highway 12 &amp; 18</b>
---

Well City, Village or Town <b>Madison, WI</b>	Well ZIP Code <b>53718</b>
--	-------------------------------

Subdivision Name	Lot #
------------------	-------

Reason for Removal from Service <b>Temporary Borehole</b>	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)

**01/10/2023**

If a Well Construction Report is available, please attach.

**Construction Type:**☐ Drilled☐ Driven (Sandpoint)☐ Dug☒ Other (specify): **Geoprobe/Direct Push****Formation Type:**☒ Unconsolidated Formation☐ Bedrock

Total Well Depth From Ground Surface (ft.) <b>40</b>	Casing Diameter (in.) <b>NA</b>
---	------------------------------------

Lower Drillhole Diameter (in.) <b>2.3</b>	Casing Depth (ft.) <b>NA</b>
--	---------------------------------

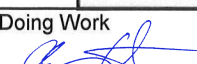
Was well annular space grouted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown
---

If yes, to what depth (feet)? <b>NA</b>	Depth to Water (feet) <b>~17</b>
--	-------------------------------------

**5. Material Used to Fill Well / Drillhole**

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
<b>3/8" Bentonite Chips</b>	<b>Surface</b>	<b>0.5</b>	<b>0.8 lbs</b>	<b>dry mix</b>
<b>Bentonite Grout</b>	<b>0.5</b>	<b>40</b>	<b>7-gallons</b>	<b>2lbs/gal</b>

**6. Comments****Boring B-213****7. Supervision of Work**

Supervision of Work			DNR Use Only	
Name of Person or Firm Doing Filling & Sealing <b>On-site Environmental Services, Inc</b>	License # _____	Date of Filling & Sealing or Verification (mm/dd/yyyy) <b>01/10/2023</b>	Date Received _____	Noted By _____
Street or Route <b>PO Box 280</b>		Telephone Number <b>( 608 )837-8992</b>	Comments _____	
City <b>Sun Prairie</b>	State <b>WI</b>	ZIP Code <b>53590</b>	Signature of Person Doing Work 	
			Date Signed <b>01/10/2023</b>	



B-214

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

Page 1 of 3

Facility/Project Name <b>Dane County Landfill No. 3 (Proposed)</b> SCS#: 25222268.00		License/Permit/Monitoring Number		Boring Number <b>B-214</b>	
Boring Drilled By: Name of crew chief (first, last) and Firm <b>Tony Kapugi</b> <b>On-site Environmental Services, Inc.</b>		Date Drilling Started <b>1/10/2023</b>		Date Drilling Completed <b>1/10/2023</b>	
Drilling Method <b>2" ID</b>					
WI Unique Well No. --	DNR Well ID No. --	Common Well Name --	Final Static Water Level <b>867.5 Feet MSL</b>	Surface Elevation <b>888.8 Feet MSL</b>	Borehole Diameter <b>2.3"</b>
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input checked="" type="checkbox"/> State Plane <b>379,570 N, 2,168,653 E S / C / N</b> <b>NE 1/4 of SE 1/4 of Section 25, T 7 N, R 10 E</b>		Lat <b>° ' "</b> Long <b>° ' "</b>		Local Grid Location Feet <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
Facility ID		County <b>Dane</b>	County Code <b>13</b>	Civil Town/City/ or Village <b>City of Madison</b>	

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	32		1	SILT (ML), very dark grayish brown (10YR 3/2), organic rich, with roots. (Topsoil)	ML									
			2	CLAYEY SAND (SC), strong brown (7.5YR 4/6), mostly silt with clay, some fine sand, soft, cohesive, uniform, massive, trace roots and gravel. (Till) (Holy Hill Formation, Horicon Member)	SC				0.5	M				
			3											
			4											
			5											
S2	26		6	POORLY GRADED SAND (SP), very pale brown (10YR 7/4), fine sand with medium to coarse sand and fine to coarse gravel, with trace pieces of sandstone. (Outwash) (Holy Hill Formation)										
			7											
			8							M				
			9											
			10											
S3	41		11											
			12	Sandy clay from 12' to 13' bgs, no pieces of sandstone.										
			13							M				
			14											
			15											

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

Signature 	Firm <b>SCS Engineers</b> 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	40		16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40	No clay.          Yellow (10YR 7/6), with trace silt.          No silt.          Brownish yellow (10YR 6/6), with trace silt.          Yellow (10YR 7/6).					4.0	M/W				Measured depth to water at 21.3' bgs.		
S5	52										W					
S6	41				SP						W					
S7	40										W					
S8	43										W					

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		
					End of boring at 40' bgs in outwash. Abandoned borehole with bentonite grout and bentonite chips.										

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County <b>Dane</b>	WI Unique Well # of Removed Well _____	Hicap # <b>B-214</b>
-----------------------	--	-------------------------

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 SE	Section <b>25</b>	Township <b>7 N</b>	Range <b>10</b>	<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**☐ Monitoring Well☐ Water Well☒ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy)

**01/10/2023**If a Well Construction Report is available,  
please attach.  
\_\_\_\_\_

Construction Type:

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

Formation Type:

☒ Unconsolidated Formation☐ Bedrock

Total Well Depth From Ground Surface (ft.)

**40**

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)

**~19****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
<b>Surface</b>	<b>1</b>	<b>.16 lbs</b>	<b>dry mix</b>
<b>1</b>	<b>40</b>	<b>7-gallons</b>	<b>2lbs/gal</b>

**6. Comments****Boring B-214****7. Supervision of Work**

Name of Person or Firm Doing Filling &amp; Sealing

On-site Environmental Services, Inc

License #

Date of Filling &amp; Sealing or Verification

(mm/dd/yyyy) **01/10/2023****DNR Use Only**

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

**01/10/2023**

B-215

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

Page 1 of 2

Facility/Project Name <b>Dane County Landfill No. 3 (Proposed) SCS#: 25222268.00</b>		License/Permit/Monitoring Number		Boring Number <b>B-215</b>	
Boring Drilled By: Name of crew chief (first, last) and Firm <b>Tony Kapugi On-site Environmental Services, Inc.</b>		Date Drilling Started <b>1/10/2023</b>		Date Drilling Completed <b>1/10/2023</b>	
Drilling Method <b>Direct Push 2" ID</b>					
WI Unique Well No. --	DNR Well ID No. --	Common Well Name --	Final Static Water Level <b>869.2 Feet MSL</b>	Surface Elevation <b>885.3 Feet MSL</b>	Borehole Diameter <b>2.3"</b>
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input checked="" type="checkbox"/> State Plane <b>379,646 N, 2,168,963 E S/C/N</b> <b>NE 1/4 of SE 1/4 of Section 25, T 7 N, R 10 E</b>		Lat <b>° ' "</b> Long <b>° ' "</b>		Local Grid Location Feet <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
Facility ID		County <b>Dane</b>	County Code <b>13</b>	Civil Town/City/ or Village <b>City of Madison</b>	

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	SILTY SAND (SM), reddish yellow (7.5YR 6/6), 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									
			3											
			4											
S2	52		5											
			6											
			7											
			8											
S3	40		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 	Firm <b>SCS Engineers</b> 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.

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	48		16		SM					4.0	W			Cold weather may have affected the pocket penetrometer reading.
			17											
			18											
	19		CLAYEY SAND (SC), reddish yellow (7.5YR 6/6), mostly fine sand with medium to coarse sand and fine gravel, soft, cohesive, uniform, massive. (Till) (Holy Hill Formation, Horicon Member)	SC										
	20													
S5	51		21	SILTY SANDS (SM), light brown (7.5YR 6/4), mostly fine sand with medium to coarse sand and some clay, fine to coarse gravel (mostly dolomite), uniform, massive. (Till) (Holy Hill Formation, Horicon Member)	SM					2.5 1.5 3.0	W			Drilling became difficult within the last 10' of the boring.
			22											
			23											
			24											
			25											
			26											
S6	57		27	SILTY SAND (SM), light brown (7.5YR 6/4), fine to coarse sand and trace fine to coarse gravel (mostly dolomite). (Outwash) (Holy Hill Formation)							W			
			28											
			29											
			30											
			31											
			32											
S7	56		33		SM						W		Refusal at 34 feet bgs.	
			34											
			Refusal, end of boring at 34' bgs in outwash. 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-215
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
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 &amp; 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	01/10/2023
<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.)

34

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)

~16

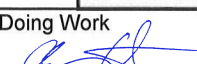
**5. Material Used to Fill Well / Drillhole**

	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	34	6-gallons	2lbs/gal

**6. Comments**

Boring B-215

**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		01/10/2023	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		01/10/2023

B-216


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-216	
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 2" ID						
WI Unique Well No. --	DNR Well ID No. --	Common Well Name --	Final Static Water Level 872.0 Feet MSL		Surface Elevation 883.0 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 379,277 N, 2,168,017 E S / C / N NW 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		

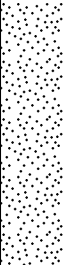
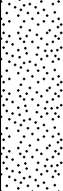




Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	
S1	52		1	SILT (ML), dark brown (7.5YR 3/2), organic rich, with roots. (Topsoil)	ML									
			2	CLAYEY SAND (SC), reddish brown (5YR 4/6), mostly fine sand with medium to coarse sand and some clay, fine to coarse gravel (mostly dolomite), and trace pieces of white sandstone, uniform, massive. (Till) (Holy Hill Formation, Horicon Member)	SC									
			3											
			4											
S2	46		5	SILTY SAND (SM), reddish brown (5YR 4/6), mostly fine sand with medium to coarse sand and some clay, fine to coarse gravel (mostly dolomite), and trace pieces of sandstone, uniform, massive. (Till) (Holy Hill Formation, Horicon Member)										
			6											
			7											
			8											
S3	30		9											
			10											
			11											
			12											
			13											
			14											
			15											
													Depth to water at 11' 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-216		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	46		16	POORLY GRADED SAND (SP), strong brown (7.5YR 4/6), fine sand with medium to coarse sand and fine to coarse gravel, with trace lenses of clay. (Outwash) (Holy Hill Formation)	SP										
			17												
			18												
			19												
S5	51		20	Yellow (10YR 7/6).											
			21												
			22												
			23												
S6	30		24	SILTY SAND (SM), very pale brown (10YR 7/4), fine to medium sand. (Outwash) (Holy Hill Formation)	SM										
			25												
			26												
			27												
S7	47		28	POORLY GRADED SAND (SP), strong brown (7.5YR 4/6), fine sand with medium to coarse sand and fine to coarse gravel, with trace lenses of clay. (Outwash) (Holy Hill Formation)	SP										
			29												
			30												
			31												
S8	26		32	SILTY SAND WITH GRAVEL (SM), yellow (10YR 7/6), fine sand with medium to coarse sand and fine to coarse gravel. (Outwash) (Holy Hill Formation)	SM										
			33												
			34												
			35												
S8	26		36	Brown (10YR 4/3), fine to coarse broken angular pieces of dolomite.											
			37	End of boring at 37' bgs due to refusal on possible bedrock. Abandoned borehole with bentonite grout and bentonite chips.											



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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 <b>Dane</b>		WI Unique Well # of Removed Well _____		Hicap # <b>B-216</b>		Facility Name <b>Dane County Landfill No.3 (Proposed)</b>	
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 NW 1/4 SE or Gov't Lot #		Section <b>25</b>		Township <b>7 N</b>		Range <input checked="" type="checkbox"/> E <input type="checkbox"/> W	
Well Street Address <b>7101 US Highway 12 &amp; 18</b>				Original Well Owner <b>Dane County Department of Waste and Renewables</b>			
Well City, Village or Town <b>Madison, WI</b>				Present Well Owner <b>Dane County Department of Waste and Renewables</b>			
Subdivision Name _____				Mailing Address of Present Owner <b>1919 Alliant Energy Center Way</b>			
Reason for Removal from Service <b>Temporary Borehole</b>				City of Present Owner <b>Madison</b>			
WI Unique Well # of Replacement Well _____				State <b>WI</b>		ZIP Code <b>53713</b>	
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) <b>01/09/2023</b>		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): <b>Geoprobe/Direct Push</b>		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		Total Well Depth From Ground Surface (ft.) <b>37</b>		Liner(s) perforated? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
Casing Diameter (in.) <b>NA</b>		Lower Drillhole Diameter (in.) <b>2.3</b>		Screen removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
Casing Depth (ft.) <b>NA</b>		Was well annular space grouted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown		Casing left in place? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
If yes, to what depth (feet)? <b>NA</b>		Depth to Water (feet) <b>~11</b>		Was casing cut off below surface? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
5. Material Used to Fill Well / Drillhole		From (ft.)		To (ft.)		No. Yards, Sacks Sealant or Volume (circle one)	
3/8" Bentonite Chips		Surface		0.5		0.08 lbs	
Bentonite Grout		0.5		37		7-gallons	
						Mix Ratio or Mud Weight <b>dry mix</b>	
						<b>2lbs/gal</b>	
6. Comments <b>Boring B-216</b>							
7. Supervision of Work				DNR Use Only			
Name of Person or Firm Doing Filling & Sealing <b>On-site Environmental Services, Inc</b>		License # _____		Date of Filling & Sealing or Verification (mm/dd/yyyy) <b>01/09/2023</b>		Date Received _____	
Street or Route <b>PO Box 280</b>		Telephone Number <b>( 608 )837-8992</b>		Comments _____		Noted By _____	
City <b>Sun Prairie</b>		State <b>WI</b>		ZIP Code <b>53590</b>		Signature of Person Doing Work 	
						Date Signed <b>01/09/2023</b>	

B-217


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-217	
Boring Drilled By: Name of crew chief (first, last) and Firm Tony Kapugi On-site Environmental Services, Inc.			Date Drilling Started 1/10/2023		Date Drilling Completed 1/10/2023	
Drilling Method Direct Push 2" ID						
WI Unique Well No. --	DNR Well ID No. --	Common Well Name --	Final Static Water Level 881.4 Feet MSL		Surface Elevation 902.3 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 379,187 N, 2,168,817 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	41		1	SILT (ML), very dark grayish brown (10YR 3/2), organic rich, with roots. (Topsoil)	ML									
		2	LEAN CLAY (CL), dark reddish brown (2.5YR 3/4), and brown (7.5YR 4/4), mostly silt with clay, some fine sand, soft, cohesive, uniform, massive, trace roots. (Loess)	CL										
		3	At 0.5' to 4' LEAN CLAY (CL) % g-s-si-cl = 4-31-35-30											
		4	LL=44, PI=24											
S2	31		5	SILTY SAND (SM), strong brown (7.5YR 4/6), mostly fine to medium sand and fine to coarse gravel (mostly dolomite), trace clay, uniform, massive. (Till) (Holy Hill Formation, Horicon Member)										
		6												
		7												
		8												
S3	43		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 	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	51		16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31						0.25	M				Measured depth to water at 20.85 bgs.
S5	60			With some sorted sand (SP-SM) and silt (ML) layers.	SM						W			Driller noted drilling became difficult/hard at 22' bgs.
S6	60			Strong brown (7.5YR 5/6), dense, very hard.					4.0	W				
S7	12			Refusal, end of boring at 31' bgs in till. Abandoned borehole with bentonite grout and bentonite chips.						W				Refusal due to bedrock. Dolomite bedrock at 31' bgs at boring B-217C.



**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 <b>Dane</b>	WI Unique Well # of Removed Well _____	Hicap # <b>B-217</b>
-----------------------	---	-------------------------

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 <b>25</b>	Township <b>7 N</b>	Range <b>10</b>	<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****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) <b>01/10/2023</b> 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.)  
**31**Lower Drillhole Diameter (in.)  
**2.3**Was well annular space grouted? ☐ Yes ☒ No ☐ UnknownIf yes, to what depth (feet)?  
**NA**Depth to Water (feet)  
**~20****5. Material Used to Fill Well / Drillhole**

3/8" Bentonite Chips	From (ft.) <b>Surface</b>	To (ft.) <b>1</b>	No. Yards, Sacks Sealant or Volume (circle one) <b>.16 lbs</b>	Mix Ratio or Mud Weight <b>dry mix</b>
Bentonite Grout	<b>1</b>	<b>31</b>	<b>5.5-gallons</b>	<b>2lbs/gal</b>

**6. Comments**

Boring B-217

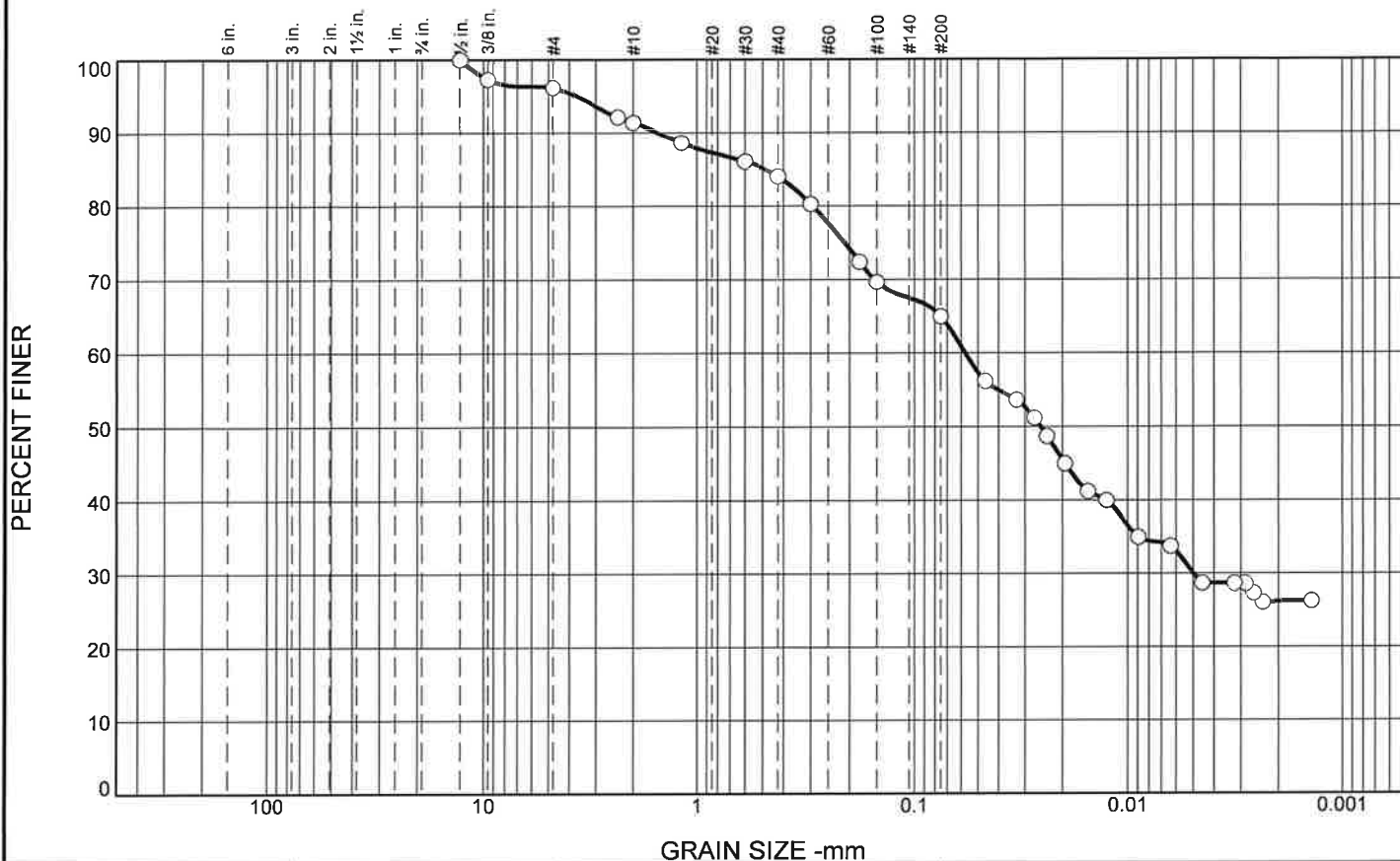
**7. Supervision of Work**Name of Person or Firm Doing Filling & Sealing  
**On-site Environmental Services, Inc**License #  
\_\_\_\_\_  
Date of Filling & Sealing or Verification  
(mm/dd/yyyy) **01/10/2023**Street or Route  
**PO Box 280**City  
**Sun Prairie**State  
**WI**ZIP Code  
**53590****2. 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 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  
**Madison**State  
**WI**ZIP 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 SlurrySignature of Person Doing Work  
Date Signed  
**01/10/2023**

# Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	3.9	4.7	7.3	19.1	35.0	30.0

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

\* (no specification provided)

## Material Description

Brown Lean Clay, Some Sand, Trace Gravel

## Atterberg Limits

PL= 20

LL= 44

PI= 24

## Coefficients

D<sub>90</sub>= 1.5418

D<sub>85</sub>= 0.4848

D<sub>60</sub>= 0.0575

D<sub>50</sub>= 0.0253

D<sub>30</sub>= 0.0050

D<sub>15</sub>=

D<sub>10</sub>=

C<sub>u</sub>=

C<sub>c</sub>=

## Classification

USCS= CL

AASHTO= A-7-6(14)

## Remarks

Sample Number: B217

Depth: 0.5'-4'

Date: 3/8/23

**CGC, Inc.**

Client: SCS Engineers

Project: Dane Couty Yahara Hills

Project No: C22011-8

Figure

Tested By: JFS

Checked By: KJS

B-217C


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-217C	
Boring Drilled By: Name of crew chief (first, last) and Firm Scott Klumb Soils & Engineering Services, Inc.			Date Drilling Started 2/14/2023		Date Drilling Completed 2/15/2023	
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 902.3 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 379,187 N, 2,168,817 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	
			1	Blind drilled to 31' bgs. (See B-217 log for lithology from 0' to 31' 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 <b>SCS Engineers</b> 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-217C** 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' bgs. (See B-217 log for lithology from 0' to 31' bgs.)												
			17													
			18													
			19													
			20													
			21													
			22													
			23													
			24													
			25													
			26													
			27													
			28													
			29													
			30													
			31													
Run 1	120		32	DOLOMITE (DL1), gray (10YR 6/1) to light yellowish brown (10YR 6/4), massive to planar laminated bedding, trace chert, fossiliferous. (Sinnipee Group, Galena Formation). From approximately 33' to 51.5' bgs, dolomite is interbedded with black shale, the bedding is mottled.		/										
			33			/										
			34			/										
			35			/										
			36			/										
			37			/										
			38			/										
			39			/										
			40			/										

FF=0.6/ft,  
Percent  
Recovery=100%,  
RQD=73%, fair

**SOIL BORING LOG INFORMATION SUPPLEMENT**  
Form 4400-122A

Boring Number **B-217C** 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 2	120		41	DOLOMITE (DL1), gray (10YR 6/1) to light yellowish brown (10YR 6/4), massive to planar laminated bedding, trace chert, fossiliferous. (Sinnipee Group, Galena Formation).	DL1	/								FF=0.6/ft, Percent Recovery=100%, RQD=98%, Excellent
		/												
		/												
		/												
		/												
		/												
		/												
		/												
		/												
		/												
		/												
			42											
			43											
			44											
			45											
			46											
			47											
			48											
			49											
			50											
			51											
			End of boring at 51.5' 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**

County <b>Dane</b>	WI Unique Well # of Removed Well _____	Hicap # <b>B-217C</b>
-----------------------	--	--------------------------

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 <b>25</b>	Township <b>7 N</b>	Range <b>10</b>	<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****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) <b>02/15/2023</b> 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.) <b>51.5</b>	Casing Diameter (in.) <b>NA</b>
---	------------------------------------

Lower Drillhole Diameter (in.) <b>8.3 to 3.8</b>	Casing Depth (ft.) <b>NA</b>
---	---------------------------------

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

If yes, to what depth (feet)? <b>51.5</b>	Depth to Water (feet) <b>~20</b>
--	-------------------------------------

**5. Material Used to Fill Well / Drillhole**

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Bentonite Chips	Surface	17.5	100 lbs	dry mix
Bentonite Grout	17.5	51.5	50-gallons	2lbs/gal

**6. Comments**

Boring B-217C

**7. Supervision of Work**

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) <b>02/15/2023</b>	Date Received _____	Noted By _____
Street or Route <b>1102 Stewart St</b>		Telephone Number <b>( 608 )274-7600</b>	Comments _____	
City <b>Madison</b>	State <b>WI</b>	ZIP Code <b>53713</b>	Signature of Person Doing Work <i>Bridget Russell</i>	Date Signed <b>02/15/2023</b>





B-218




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-218	
Boring Drilled By: Name of crew chief (first, last) and Firm Tony Kapugi On-site Environmental Services, Inc.		Date Drilling Started 1/10/2023		Date Drilling Completed 1/10/2023	
Drilling Method Direct Push 2" ID					
WI Unique Well No. --	DNR Well ID No. --	Common Well Name --	Final Static Water Level --	Surface Elevation 889.0 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 379,292 N, 2,169,464 E S / C / N NE 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	29		1	SILT (ML),very dark grayish brown (10YR 3/2), organic rich, with roots. (Topsoil)	ML					0.25, 1.5-2.0	M			
			2	LEAN CLAY (CL), strong brown (7.5YR 4/6), mostly silt with clay, some fine sand, soft, cohesive, uniform, massive, trace roots and rock. (Loess)	CL									
S2	49		5	SILTY SAND (SM), strong brown (7.5YR 4/6), mostly fine sand with medium to coarse sand and some clay, fine to coarse gravel (mostly dolomite), uniform, massive, very soft. (Till) (Holy Hill Formation, Horicon Member)						2.0	W			
			6											
S3	40		10	Trace lenses of clay and pieces of gray, very fine grained dolomite.										
			11											
			12											
			13	Refusal, end of boring at 13' bgs in till. Abandoned borehole with bentonite grout and bentonite chips.						3.0	W			Refusal due to bedrock. Dolomite bedrock at 14.5' bgs at boring B-218C.

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 <b>Dane</b>	WI Unique Well # of Removed Well _____	Hicap # <b>B-218</b>
-----------------------	--	-------------------------

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 SE	Section <b>25</b>	Township <b>7 N</b>	Range <b>10</b>	<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****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) <b>01/10/2023</b> 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.)  
**13**Lower Drillhole Diameter (in.)  
**2.3**Was well annular space grouted? ☐ Yes ☒ No ☐ UnknownIf yes, to what depth (feet)?  
**NA**Depth to Water (feet)  
**~6****5. Material Used to Fill Well / Drillhole**

3/8" Bentonite Chips	From (ft.) <b>Surface</b>	To (ft.) <b>1</b>	No. Yards, Sacks Sealant or Volume (circle one) <b>.16 lbs</b>	Mix Ratio or Mud Weight <b>dry mix</b>
Bentonite Grout	<b>1</b>	<b>13</b>	<b>2-gallons</b>	<b>2lbs/gal</b>

**6. Comments**

Boring B-218

**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) **01/10/2023**Street or Route  
**PO Box 280**City  
**Sun Prairie**State  
**WI**ZIP 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 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  
**Madison**State  
**WI**ZIP 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 SlurrySignature of Person Doing Work  
Date Signed  
**01/10/2023**

B-218C


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-218C	
Boring Drilled By: Name of crew chief (first, last) and Firm Scott Klumb Soils & Engineering Services, Inc.		Date Drilling Started 2/16/2023		Date Drilling Completed 2/16/2023	
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 889.0 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 379,292 N, 2,169,464 E S/C/N NE 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 14.6' bgs. (See B-218 log for lithology from 0' to 13' bgs.)										
			2											
			3											
			4											
			5											
			6											
			7											
			8											
			9											
			10											
			11											
			12											
			13											
			14											
			15	DOLOMITE (DL2), light brownish gray (10YR 6/2)	DL2	/								

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

County <b>Dane</b>	WI Unique Well # of Removed Well _____	Hicap # <b>B-218C</b>
-----------------------	--	--------------------------

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 SE	Section <b>25</b>	Township <b>7 N</b>	Range <b>10</b>	<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****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) <b>02/16/2023</b> 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.)  
**40.6**Lower Drillhole Diameter (in.)  
**3.8 - 8.3**Was well annular space grouted? ☐ Yes ☒ No ☐ UnknownIf yes, to what depth (feet)?  
**NA**Depth to Water (feet)  
**~6****5. Material Used to Fill Well / Drillhole**

3/8" Bentonite Chips	From (ft.) <b>Surface</b>	To (ft.) <b>2.25</b>	No. Yards, Sacks Sealant or Volume (circle one) <b>50 lbs</b>	Mix Ratio or Mud Weight <b>dry mix</b>
Bentonite Grout	<b>2.25</b>	<b>40.6</b>	<b>50-gallons</b>	<b>2lbs/gal</b>

**6. Comments**

Boring B-218C

**7. Supervision of Work**Name of Person or Firm Doing Filling & Sealing  
**Soils & Engineering Services, Inc**Street or Route  
**1102 Stewart St**City  
**Madison**License #  
\_\_\_\_\_Date of Filling & Sealing or Verification  
(mm/dd/yyyy) **02/16/2023**State  
**WI**Date of Filling & Sealing or Verification  
(mm/dd/yyyy) **02/16/2023**Telephone Number  
**( 608 )274-7600**Signature of Person Doing Work  
*Bridget Russell***DNR Use Only**Date Received  
\_\_\_\_\_Comments  
\_\_\_\_\_Date Signed  
**02/16/2023**



ST-218


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-218	
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 889.0 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 379,292 N, 2,169,464 E S / C / N		Local Grid Location	
NE 1/4 of SE 1/4 of Section 25, T 7 N, R 10 E		Lat _____ ° _____ ' _____ "		Feet <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
Long _____ ° _____ ' _____ "		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	15.5		1	Blind drilled to 2' bgs. (See B-218 log for lithology from 0'-13' bgs.)										
			2	LEAN CLAY, brown (10YR 4/4), mostly silt with clay, some fine sand, soft, cohesive, uniform, massive, trace roots. (Loess)	CL				0.75	M				Shelby tube sample from 2-3.5 feet bgs.
			3	End of boring at 3.5' 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.

**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 <b>Dane</b>		WI Unique Well # of Removed Well _____		Hicap # <b>ST-218</b>		Facility Name <b>Dane County Landfill No.3 (Proposed)</b>	
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 1/4 SE or Gov't Lot #		Section <b>25</b>		Township <b>7 N</b>		Range <input checked="" type="checkbox"/> E <input type="checkbox"/> W	
Well Street Address <b>7101 US Highway 12 &amp; 18</b>				Original Well Owner <b>Dane County Department of Waste and Renewables</b>			
Well City, Village or Town <b>Madison, WI</b>				Present Well Owner <b>Dane County Department of Waste and Renewables</b>			
Subdivision Name _____				Mailing Address of Present Owner <b>1919 Alliant Energy Center Way</b>			
Reason for Removal from Service <b>Temporary Borehole</b>				City of Present Owner <b>Madison</b>			
WI Unique Well # of Replacement Well _____				State <b>WI</b>			
3. Filled & Sealed Well / Drillhole / Borehole Information				ZIP Code <b>53713</b>			
<input type="checkbox"/> Monitoring Well		Original Construction Date (mm/dd/yyyy) <b>03/08/2023</b>		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 checked="" 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 type="checkbox"/> Other (specify): _____				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.) <b>3.5</b>		Casing Diameter (in.) <b>NA</b>		Did material settle after 24 hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A			
Lower Drillhole Diameter (in.) <b>4.3</b>		Casing Depth (ft.) <b>NA</b>		If yes, was hole retopped? <input type="checkbox"/> Yes <input checked="" 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)? <b>~6</b>				Required Method of Placing Sealing Material			
5. Material Used to Fill Well / Drillhole				<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped			
From (ft.) <b>Surface</b>		To (ft.) <b>3.5</b>		No. Yards, Sacks Sealant or Volume (circle one) <b>7 lbs</b>		Mix Ratio or Mud Weight <b>dry mix</b>	
3/8" Bentonite Chips							
6. Comments <b>Shelby Tube ST-218</b>				7. Supervision of Work			
Name of Person or Firm Doing Filling & Sealing <b>Soils &amp; Engineering Services, Inc</b>		License # _____		Date of Filling & Sealing or Verification (mm/dd/yyyy) <b>03/08/2023</b>		DNR Use Only	
Street or Route <b>1102 Stewart St</b>		Telephone Number <b>( 608 )274-7600</b>		Date Received _____		Noted By _____	
City <b>Madison</b>		State <b>WI</b>		ZIP Code <b>53713</b>		Signature of Person Doing Work 	
						Date Signed <b>03/08/2023</b>	

B-219


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-219	
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 --	Surface Elevation 901.8 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 378,846 N, 2,168,087 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		

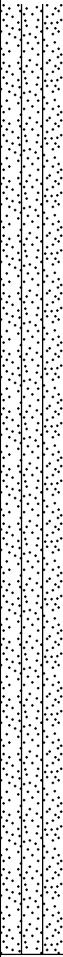
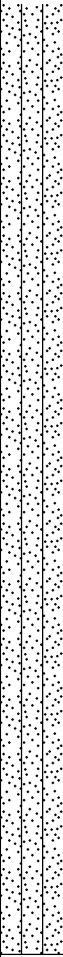
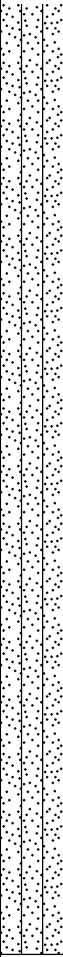

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	
S1	17		1	SILT (ML), very dark grayish brown (10YR 3/2), organic rich, with roots. (Topsoil)	ML									
			2	CLAYEY SAND (SC), very dark grayish brown (10YR 3/2) and dark yellowish brown (10YR 3/4), mostly silt with clay, some fine sand, soft, cohesive, uniform, massive, trace roots. (Loess)	SC				1.25 1.5	M				
			3	From 0.8' to 5', CLAYEY SAND (SC) % g-s-si-cl = 4-59-18-19 LL=42, PI=23										
			4											
S2	26		5	SILTY SAND (SM), strong brown (7.5YR 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					M				
			6											
			7											
			8											
S3	41		9		SM					M				
			10	Strong brown (7.5YR 4/6) and red (2.5YR 4/8).										
			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	57		16	SILTY SAND (SM), strong brown (7.5YR 5/6), mostly fine sand with medium to coarse sand and some clay, fine to coarse gravel (mostly dolomite), uniform, massive. (Till) (Holy Hill Formation, Horicon Member)										
			17											
			18											
			19											
			20											
S5	55		21		SM									
			22											
			23											
			24											
			25											
S6	58		26											
			27											
			28											
			29											
			30											
S7	36		31	CLAYEY SAND (SC), strong brown (7.5YR 5/6), mostly fine sand with medium to coarse sand, fine to coarse gravel (mostly dolomite), uniform, massive. (Till) (Holy Hill Formation, Horicon Member)	SC									
			32											
			33											
				POORLY GRADED SAND WITH SILT (SP-SM), olive yellow (2.5Y 6/6), fine to medium sand. (Weathered Dolomite Bedrock) Refusal, end of boring at 33' bgs in dolomite. Abandoned borehole with bentonite grout and bentonite chips.										

Refusal due to bedrock. Dolomite bedrock at 35' bgs at boring B-219C.



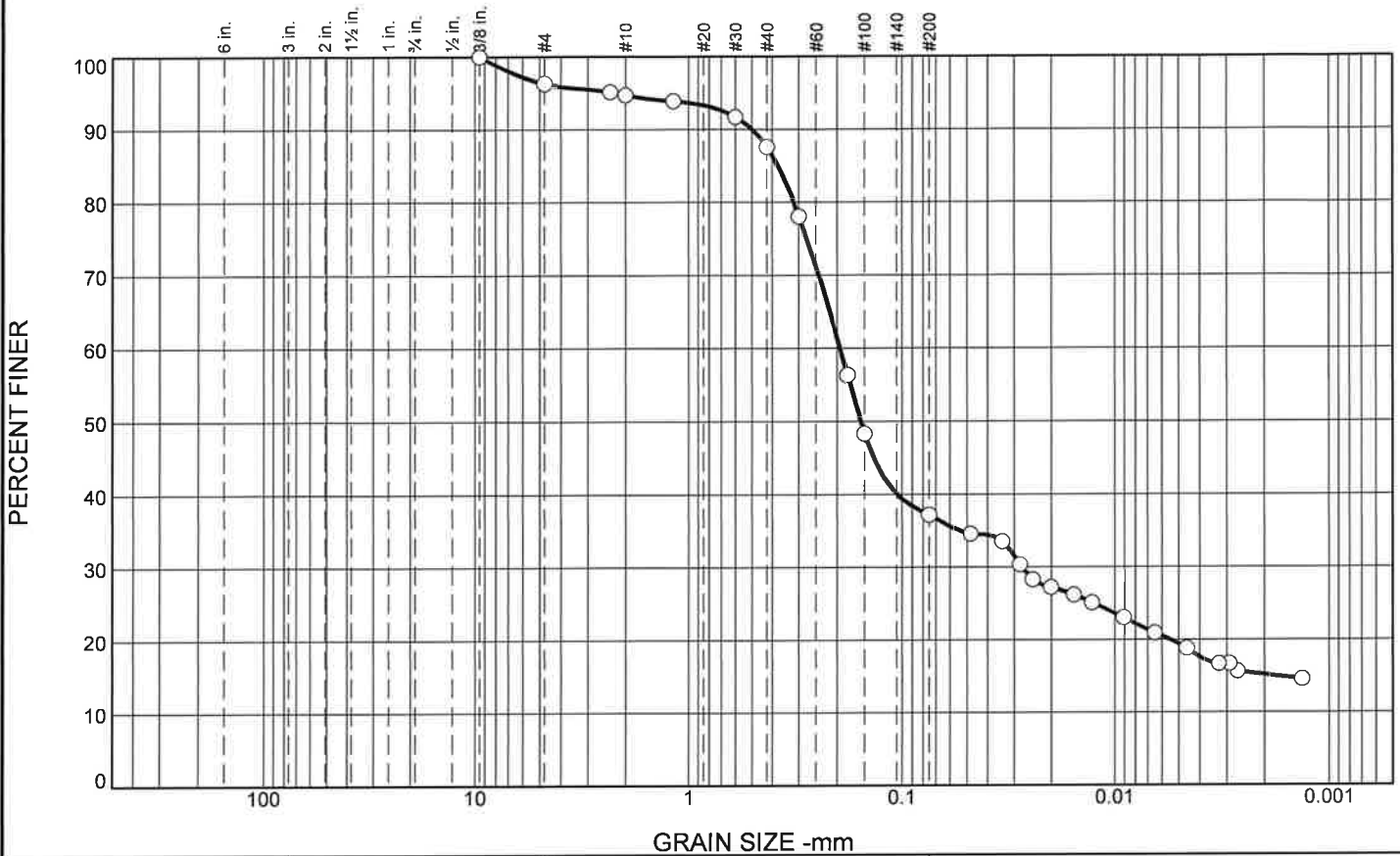
**Notice:** Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, 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 <b>Dane</b>		WI Unique Well # of Removed Well _____		Hicap # <b>B-219</b>		Facility Name <b>Dane County Landfill No.3 (Proposed)</b>			
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 <b>25</b>		Township <b>7 N</b>		Range <input checked="" type="checkbox"/> E <input type="checkbox"/> W			
Well Street Address <b>7101 US Highway 12 &amp; 18</b>				Original Well Owner <b>Dane County Department of Waste and Renewables</b>					
Well City, Village or Town <b>Madison, WI</b>				Present Well Owner <b>Dane County Department of Waste and Renewables</b>					
Subdivision Name _____				Mailing Address of Present Owner <b>1919 Alliant Energy Center Way</b>					
Reason for Removal from Service <b>Temporary Borehole</b>				City of Present Owner <b>Madison</b>					
WI Unique Well # of Replacement Well _____				State <b>WI</b>		ZIP Code <b>53713</b>			
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) <b>01/09/2023</b>		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): <b>Geoprobe/Direct Push</b>				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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A					
Total Well Depth From Ground Surface (ft.) <b>33</b>				If yes, was hole retopped? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A					
Casing Diameter (in.) <b>NA</b>				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					
Lower Drillhole Diameter (in.) <b>2.3</b>				Required Method of Placing Sealing Material					
Casing Depth (ft.) <b>NA</b>				<input type="checkbox"/> Conductor Pipe-Gravity <input checked="" type="checkbox"/> Conductor Pipe-Pumped					
Was well annular space grouted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown				<input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain): _____					
If yes, to what depth (feet)? <b>NA</b>				Sealing Materials					
Depth to Water (feet) <b>~26</b>				<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					
5. Material Used to Fill Well / Drillhole				For Monitoring Wells and Monitoring Well Boreholes Only:					
3/8" Bentonite Chips		From (ft.) <b>Surface</b>		To (ft.) <b>0.5</b>		No. Yards, Sacks Sealant or Volume (circle one) <b>0.08 lbs</b>		Mix Ratio or Mud Weight <b>dry mix</b>	
Bentonite Grout		<b>0.5</b>		<b>33</b>		<b>5-gallons</b>		<b>2lbs/gal</b>	
6. Comments <b>Boring B-219</b>									
7. Supervision of Work						DNR Use Only			
Name of Person or Firm Doing Filling & Sealing <b>On-site Environmental Services, Inc</b>		License # _____		Date of Filling & Sealing or Verification (mm/dd/yyyy) <b>01/09/2023</b>		Date Received _____		Noted By _____	
Street or Route <b>PO Box 280</b>				Telephone Number <b>( 608 )837-8992</b>		Comments _____			
City <b>Sun Prairie</b>		State <b>WI</b>		ZIP Code <b>53590</b>		Signature of Person Doing Work 		Date Signed <b>01/09/2023</b>	



# Particle Size Distribution Report



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

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

\* (no specification provided)

## Material Description

Brown Clayey Sand, Trace Gravel

## Atterberg Limits

PL= 19

LL= 42

PI= 23

## Coefficients

D<sub>90</sub>= 0.4982

D<sub>85</sub>= 0.3778

D<sub>60</sub>= 0.1949

D<sub>50</sub>= 0.1564

D<sub>30</sub>= 0.0276

D<sub>15</sub>= 0.0017

D<sub>10</sub>=

C<sub>u</sub>=

C<sub>c</sub>=

## Classification

USCS= SC

AASHTO= A-7-6(3)

## Remarks

Sample Number: B219

Depth: 10"-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-219C


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-219C	
Boring Drilled By: Name of crew chief (first, last) and Firm John Wagner Subsurface Exploration Services			Date Drilling Started 2/7/2023		Date Drilling Completed 2/8/2023	
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 901.8 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 378,846 N, 2,168,087 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 35' bgs. (See B-219 log for lithology from 0' to 33' 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 	Firm SCS Engineers 2830 Dairy Drive, Madison, WI 53718
--	--

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**SOIL BORING LOG INFORMATION SUPPLEMENT**  
Form 4400-122A

Boring Number **B-219C** 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 35' bgs. (See B-219 log for lithology from 0' to 33' bgs.)											
			17												
			18												
			19												
			20												
			21												
			22												
			23												
			24												
			25												
			26												
			27												
			28												
			29												
			30												
			Run 1												
32															
33															
34															
35															
36															
37															
38															
			39												
			40												

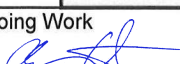
FF=3/ft Percent  
Recovery=20%  
RQD=18%, very  
poor

**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 2	24		41	DOLOMITE (DL2), brownish yellow (2.5Y 6/6), thinly bedded with shale and/or silt, bedding is wavy, with trace small round vugs and gray/green clay. (Sinnipee Group, Platteville Formation).	DL2								FF=3/ft Percent Recovery=40% RQD=9%, very poor	
			42											
			43											
			44											
			45											
Run 3	12		46	Dark gray (2.5Y 4/1) and dark grayish brown (2.5Y 4/2), massive to thinly bedded with shale, with trace small round vugs, fossiliferous.									FF=3/ft Percent Recovery=33% RQD=11%, very poor	
			47											
			48											
Run 4	24		49	End of boring at 50' bgs in dolomite. Abandoned borehole with bentonite grout and bentonite chips.									FF=1.5/ft Percent Recovery=100% RQD=12.5%, very poor	
			50											

**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 <b>Dane</b>		WI Unique Well # of Removed Well _____		Hicap # <b>B-219C</b>		Facility Name <b>Dane County Landfill No.3 (Proposed)</b>	
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 <b>25</b>		Township <b>7 N</b>		Range <input checked="" type="checkbox"/> E <input type="checkbox"/> W	
Well Street Address <b>7101 US Highway 12 &amp; 18</b>				Original Well Owner <b>Dane County Department of Waste and Renewables</b>			
Well City, Village or Town <b>Madison, WI</b>				Present Well Owner <b>Dane County Department of Waste and Renewables</b>			
Subdivision Name _____				Mailing Address of Present Owner <b>1919 Alliant Energy Center Way</b>			
Reason for Removal from Service <b>Temporary Borehole</b>				City of Present Owner <b>Madison</b>			
WI Unique Well # of Replacement Well _____				State <b>WI</b>			
3. Filled & Sealed Well / Drillhole / Borehole Information				ZIP Code <b>53713</b>			
<input type="checkbox"/> Monitoring Well		Original Construction Date (mm/dd/yyyy) <b>02/07/2023</b>		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 checked="" type="checkbox"/> Drilled		<input type="checkbox"/> Driven (Sandpoint)		Screen removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
<input type="checkbox"/> Other (specify): _____		<input type="checkbox"/> Dug		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 checked="" 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.) <b>50</b>		Casing Diameter (in.) <b>NA</b>		Did material settle after 24 hours? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
Lower Drillhole Diameter (in.) <b>8.3 to 3.0</b>		Casing Depth (ft.) <b>NA</b>		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		Depth to Water (feet) <b>~26</b>		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			
5. Material Used to Fill Well / Drillhole				Required Method of Placing Sealing Material			
3/8" Bentonite Chips				<input type="checkbox"/> Conductor Pipe-Gravity <input checked="" type="checkbox"/> Conductor Pipe-Pumped			
Bentonite Grout				<input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain): _____			
6. Comments				Sealing Materials			
Boring B-121				<input type="checkbox"/> Neat Cement Grout <input checked="" type="checkbox"/> Bentonite Grout			
7. Supervision of Work				<input type="checkbox"/> Sand-Cement (Concrete) Grout <input checked="" type="checkbox"/> Bentonite Chips			
Name of Person or Firm Doing Filling & Sealing Subsurface Exploration Services		License # _____		Date of Filling & Sealing or Verification (mm/dd/yyyy) <b>02/08/2023</b>		DNR Use Only	
Street or Route <b>2900 Lowell Dr.</b>		Telephone Number <b>( 920 ) 544-4226</b>		Date Received _____		Noted By _____	
City <b>Green Bay</b>		State <b>WI</b>		ZIP Code <b>54311</b>		Signature of Person Doing Work 	
						Date Signed <b>02/08/2023</b>	

B-220



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-220	
Boring Drilled By: Name of crew chief (first, last) and Firm Tony Kapugi On-site Environmental Services, Inc.		Date Drilling Started 1/10/2023		Date Drilling Completed 1/10/2023	
Drilling Method Direct Push 2" ID					
WI Unique Well No. --	DNR Well ID No. --	Common Well Name --	Final Static Water Level --	Surface Elevation 899.0 Feet MSL	Borehole Diameter 2.3"
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input checked="" type="checkbox"/>		Lat <input type="text"/> ° <input type="text"/> ' <input type="text"/> "		Local Grid Location	
State Plane 378,850 N, 2,169,023 E S/C/N		Long <input type="text"/> ° <input type="text"/> ' <input type="text"/> "		Feet <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
SE 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		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									
			2	LEAN CLAY (CL), yellowish brown (10YR 5/4), with orange brown mottling, mostly silt with clay, some fine sand, soft, cohesive, uniform, massive, trace roots. (Loess)	CL									
S2	40		3	At 0.8' to 5' LEAN CLAY (CL) % g-s-si-cl = 2-28-43-27 LL= 33, PI=17										
			4											
			5	SILTY SAND (SM), yellowish brown (10YR 5/4), mostly fine sand with medium to coarse sand and some clay, fine to coarse gravel (mostly dolomite), uniform, massive. (Till) (Holy Hill Formation, Horicon Member)	SM									
			6											
			7											
			8	POORLY GRADED SAND WITH GRAVEL (SP), yellow (10YR 8/8), fine to coarse with fine to coarse gravel, mostly dolomite. (Weathered Dolomite Bedrock)	SP									
			9	Refusal, end of boring at 9' bgs in dolomite. Abandoned borehole with bentonite grout and bentonite chips.										Refusal at 9' bgs due to bedrock. Dolomite bedrock at 9.9' bgs at boring B-220C.

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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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 <b>Dane</b>	WI Unique Well # of Removed Well _____	Hicap # <b>B-220</b>
-----------------------	--	-------------------------

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 <b>25</b>	Township <b>7 N</b>	Range <b>10</b>	<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**☐ Monitoring Well☐ Water Well☒ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy)

**01/10/2023**If a Well Construction Report is available,  
please attach.  
\_\_\_\_\_

Construction Type:

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

Formation Type:

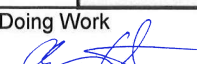
☒ Unconsolidated Formation☐ BedrockTotal Well Depth From Ground Surface (ft.)  
**9**  
Casing Diameter (in.)  
**NA**Lower Drillhole Diameter (in.)  
**2.3**  
Casing Depth (ft.)  
**NA**Was well annular space grouted? ☐ Yes ☒ No ☐ UnknownIf yes, to what depth (feet)?  
**NA**  
Depth to Water (feet)  
**~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
<b>3/8" Bentonite Chips</b>	<b>Surface</b>	<b>1</b>	<b>.16 lbs</b>	<b>dry mix</b>
<b>Bentonite Grout</b>	<b>1</b>	<b>9</b>	<b>1.75-gallons</b>	<b>2lbs/gal</b>

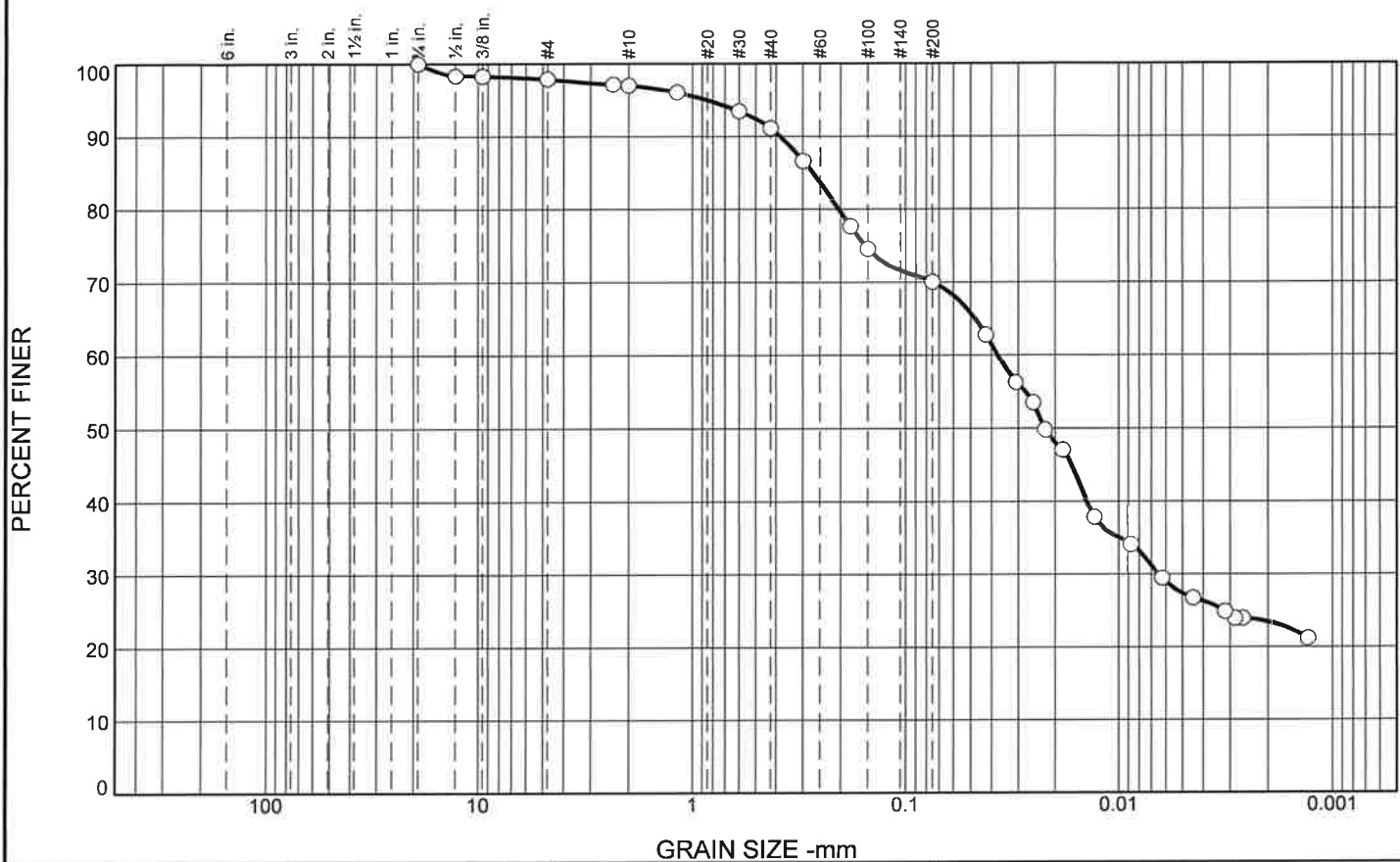
**6. Comments**

Boring B-220

**7. Supervision of Work**

Supervision of Work			DNR Use Only	
Name of Person or Firm Doing Filling & Sealing <b>On-site Environmental Services, Inc</b>	License # _____	Date of Filling & Sealing or Verification (mm/dd/yyyy) <b>01/10/2023</b>	Date Received _____	Noted By _____
Street or Route <b>PO Box 280</b>		Telephone Number <b>( 608 )837-8992</b>	Comments _____	
City <b>Sun Prairie</b>	State <b>WI</b>	ZIP Code <b>53590</b>	Signature of Person Doing Work 	Date Signed <b>01/10/2023</b>

# Particle Size Distribution Report



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

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
3/4	100.0		
1/2	98.3		
3/8	98.3		
#4	97.9		
#8	97.1		
#10	97.0		
#16	96.0		
#30	93.5		
#40	91.1		
#50	86.6		
#80	77.6		
#100	74.6		
#200	70.0		

\* (no specification provided)

## Material Description

Brownean Clay, Some Sand, Trace Gravel

## Atterberg Limits

PL= 16

LL= 33

PI= 17

## Coefficients

D<sub>90</sub>= 0.3833

D<sub>50</sub>= 0.0226

D<sub>10</sub>=

D<sub>85</sub>= 0.2721

D<sub>30</sub>= 0.0065

C<sub>u</sub>=

D<sub>60</sub>= 0.0375

D<sub>15</sub>=

C<sub>c</sub>=

## Classification

USCS= CL

AASHTO= A-6(10)

## Remarks

Sample Number: B220

Depth: 0.8'-5'

Date: 3/14/23

**CGC, Inc.**

Client: SCS Engineers

Project: Dane Couty Yahara Hills

Project No: C22011-8

Figure

Tested By: JFS

Checked By: KJS

B-220A

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-220A	
Boring Drilled By: Name of crew chief (first, last) and Firm Tony Kapugi On-site Environmental Services, Inc.		Date Drilling Started 1/10/2023		Date Drilling Completed 1/10/2023	
Drilling Method Direct Push 2" ID					
WI Unique Well No. --	DNR Well ID No. --	Common Well Name --	Final Static Water Level --	Surface Elevation 899.0 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 378,850 N, 2,169,023 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	Blind drilled to 9.8' bgs (see B-220 log for lithology from 0' to 9' bgs).										
				Refusal, end of boring at 9.8' bgs dolomite. Abandoned borehole with bentonite grout and 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 <b>Dane</b>	WI Unique Well # of Removed Well _____	Hicap # <b>B-220A</b>
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 #	Section <b>25</b>	Township <b>7 N</b> Range <b>10</b> <input checked="" type="checkbox"/> E <input type="checkbox"/> W

## Well Street Address

7101 US Highway 12 &amp; 18

## Well 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) <b>01/10/2023</b> 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.)

9.8

Lower Drillhole Diameter (in.)

2.3

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

If yes, to what depth (feet)?

NA

Depth to Water (feet)

~6

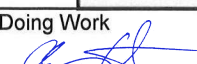
**5. Material Used to Fill Well / Drillhole**

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" Bentonite Chips	Surface	1	.16 lbs	dry mix
Bentonite Grout	1	9.8	2-gallons	2lbs/gal

**6. Comments**

Boring B-220A

**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) 01/10/2023	<b>DNR Use Only</b>	
Street or Route PO Box 280	Telephone Number ( 608 ) 837-8992	Comments	Date Received	Noted By
City Sun Prairie	State WI	ZIP Code 53590	Signature of Person Doing Work 	Date Signed 01/10/2023

B-220C



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-220C	
Boring Drilled By: Name of crew chief (first, last) and Firm Dylan Martin Subsurface Exploration Services		Date Drilling Started 2/17/2023		Date Drilling Completed 2/20/2023	
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 899.0 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 378,850 N, 2,169,023 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	
Run 1	60		1	Blind drilled to 10' bgs. (See B-220 log for lithology from 0' to 9.9' bgs.)										
			2											
			3											
			4											
			5											
			6											
			7											
			8											
			9											
			10											
			11	DOLOMITE (DL2), pale brown (2.5Y 7/4), massive to thinly bedded with shale and/or silt, bedding is wavy to slightly nodular, minor chert, trace round to oval vugs, fossiliferous. (Sinnipee Group, Platteville Formation)	DL2	/								
			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		B-220C		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	60		16	DOLOMITE (DL2), pale brown (2.5Y 7/4), massive to thinly bedded with shale and/or silt, bedding is wavy to slightly nodular, minor chert, trace round to oval vugs, fossiliferous. (Sinnipee Group, Platteville Formation)	DL2	/							FF=3.6/ft Percent Recovery=100% RQD=8%, very poor		
			17			/									
			18			/									
			19			/									
			20			/									
			21			/									
			22			/									
			23			/									
			24			/									
			25			/									
Run 3	60		26	DOLOMITE (DL2), pale brown (2.5Y 7/4), massive to thinly bedded with shale and/or silt, bedding is wavy to slightly nodular, minor chert, trace round to oval vugs, fossiliferous. (Sinnipee Group, Platteville Formation)	DL2	/							FF=2.4/ft Percent Recovery=100% RQD=36%, poor		
			27			/									
			28			/									
			29			/									
			30			/									
			31			/									
			32			/									
			33			/									
			34			/									
			35			/									
Run 4	54		36	SANDSTONE (SS1), gray (5Y 5/1), fine to coarse grained, poorly sorted, cemented by shaly dolomite, with green (glauconite) clay. (Ancell Group, Glenwood Formation)	SS1	.							FF=1.6/ft Percent Recovery=90% RQD=7%, very poor		
			37			.									
			38			.									
Run 5	11		39	Dolomitic/sandstone, cemented with dolomite, trace green (glauconite) clay.		.							FF=3.3/ft Percent Recovery=69% RQD=0%, very poor		
			40			.									
Run 6	47		41	DOLOMITE (DL3), gray (5Y 5/1) and light gray (5Y 7/1), sandy, massive, with oval to round vugs, glauconite, and sulfides (pyrite). (Prairie du Chien Group, Shakopee Formation, Willow River Member).	DL3	/							FF=1.53/ft Percent Recovery=98% RQD=44%, poor		
			42			/									
			43			/									
			44			/									
			45			/									
			46			/									
			47			/									
			48			/									
			49			/									
			50			/									
Run 7	60		51	From ~37.5' to 38.5' bgs, thinly bedded with silt.		/							FF=1.4/ft Percent Recovery=100% RQD=52%, fair		
			52			/									
			53			/									
			54			/									
			55			/									

**SOIL BORING LOG INFORMATION SUPPLEMENT**  
Form 4400-122A

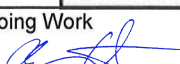
Boring Number **B-220C** Use only as an attachment to Form 4400-122. Page **3** of **3**

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 8	48		41	From 40' to 42' bgs, thinly bedded with silt and green (glauconite) clay. DOLOMITE (DL3), gray (5Y 5/1) and light gray (5Y 7/1), sandy, massive, with oval to round vugs, glauconite, and sulfides (pyrite). (Prairie du Chien Group, Shakopee Formation, Willow River Member). From 42' to 44' more sandy and thinnly bedded with green clay and silt	DL3	/									
			42												
			43												
			44												
				End of boring at 44' bgs in dolomite. Abandoned borehole with bentonite grout and bentonite chips.											

FF=2/ft Percent Recovery=100%  
RQD=85%, good

**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 <b>Dane</b>		WI Unique Well # of Removed Well _____		Hicap # <b>B-220C</b>		Facility Name <b>Dane County Landfill No.3 (Proposed)</b>	
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 <b>25</b>		Township <b>7 N</b>		Range <input checked="" type="checkbox"/> E <input type="checkbox"/> W	
Well Street Address <b>7101 US Highway 12 &amp; 18</b>				Original Well Owner <b>Dane County Department of Waste and Renewables</b>			
Well City, Village or Town <b>Madison, WI</b>				Present Well Owner <b>Dane County Department of Waste and Renewables</b>			
Subdivision Name _____				Mailing Address of Present Owner <b>1919 Alliant Energy Center Way</b>			
Reason for Removal from Service <b>Temporary Borehole</b>				City of Present Owner <b>Madison</b>			
WI Unique Well # of Replacement Well _____				State <b>WI</b>		ZIP Code <b>53713</b>	
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) <b>02/20/2023</b>		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 checked="" 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 type="checkbox"/> Other (specify): _____				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 checked="" type="checkbox"/> Bedrock				Did material settle after 24 hours? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
Total Well Depth From Ground Surface (ft.) <b>44</b>				If yes, was hole retopped? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
Casing Diameter (in.) <b>NA</b>				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			
Lower Drillhole Diameter (in.) <b>8.3 to 3.0</b>				Required Method of Placing Sealing Material			
Casing Depth (ft.) <b>NA</b>				<input type="checkbox"/> Conductor Pipe-Gravity <input checked="" type="checkbox"/> Conductor Pipe-Pumped			
Was well annular space grouted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown				<input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain): _____			
If yes, to what depth (feet)? <b>NA</b>				Sealing Materials			
Depth to Water (feet) <b>~6</b>				<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			
5. Material Used to Fill Well / Drillhole				For Monitoring Wells and Monitoring Well Boreholes Only:			
3/8" Bentonite Chips		From (ft.) <b>Surface</b>		To (ft.) <b>5</b>		No. Yards, Sacks Sealant or Volume (circle one) <b>125 lbs</b>	
Bentonite Grout		<b>5</b>		<b>44</b>		<b>35-gallons</b>	
						<b>dry mix</b>	
						<b>2lbs/gal</b>	
6. Comments <b>Boring B-220C</b>							
7. Supervision of Work				DNR Use Only			
Name of Person or Firm Doing Filling & Sealing Subsurface Exploration Services		License # _____		Date of Filling & Sealing or Verification (mm/dd/yyyy) <b>02/20/2023</b>		Date Received _____	
Street or Route <b>2900 Lowell Dr</b>		Telephone Number <b>( 920 ) 544-4226</b>		Comments _____		Noted By _____	
City <b>Green Bay</b>		State <b>WI</b>		ZIP Code <b>54311</b>		Signature of Person Doing Work 	
						Date Signed <b>02/20/2023</b>	

ST-220


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 ST-220	
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 890 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 378,850 N, 2,169,023 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	
<div></div>			1	Blind drilled to 1' bgs. (See B-220 log from 0'-9' bgs for lithology.)	CL	<div></div>								
			2	LEAN CLAY, mostly silt with clay, some fine sand, soft, cohesive, uniform, massive, trace roots. (Loess)										
			3	End of boring at 3 feet below ground surface (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.



Boring Number		ST-220		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		
S1	14								1.5	M					Shelby tube sample from 1-3 feet bgs.

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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 <b>Dane</b>		WI Unique Well # of Removed Well _____		Hicap # <b>ST-220</b>		Facility Name <b>Dane County Landfill No.3 (Proposed)</b>	
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 <b>25</b>		Township <b>7 N</b>		Range <input checked="" type="checkbox"/> E <input type="checkbox"/> W	
Well Street Address <b>7101 US Highway 12 &amp; 18</b>				Original Well Owner <b>Dane County Department of Waste and Renewables</b>			
Well City, Village or Town <b>Madison, WI</b>				Present Well Owner <b>Dane County Department of Waste and Renewables</b>			
Subdivision Name _____				Mailing Address of Present Owner <b>1919 Alliant Energy Center Way</b>			
Reason for Removal from Service <b>Temporary Borehole</b>				City of Present Owner <b>Madison</b>			
WI Unique Well # of Replacement Well _____				State <b>WI</b>		ZIP Code <b>53713</b>	
<b>3. Filled &amp; Sealed Well / Drillhole / Borehole Information</b>				<b>4. Pump, Liner, Screen, Casing &amp; Sealing Material</b>			
<input type="checkbox"/> Monitoring Well		Original Construction Date (mm/dd/yyyy) <b>03/08/2023</b>		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 checked="" 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 type="checkbox"/> Other (specify): _____				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 checked="" 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.) <b>3</b>				If yes, was hole retopped? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A			
Casing Diameter (in.) <b>NA</b>				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			
Lower Drillhole Diameter (in.) <b>4.3</b>				Required Method of Placing Sealing Material			
Casing Depth (ft.) <b>NA</b>				<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped			
Was well annular space grouted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown				<input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain): _____			
If yes, to what depth (feet)? <b>NA</b>				Sealing Materials			
Depth to Water (feet) <b>~6</b>				<input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Bentonite Grout			
				<input type="checkbox"/> Sand-Cement (Concrete) Grout <input checked="" type="checkbox"/> Bentonite Chips			
<b>5. Material Used to Fill Well / Drillhole</b>				For Monitoring Wells and Monitoring Well Boreholes Only:			
3/8" Bentonite Chips		From (ft.) <b>Surface</b>		To (ft.) <b>3</b>		No. Yards, Sacks Sealant or Volume (circle one) <b>8 lbs</b>	
						Mix Ratio or Mud Weight <b>dry mix</b>	
<b>6. Comments</b>							
Shelby Tube ST-220							
<b>7. Supervision of Work</b>				<b>DNR Use Only</b>			
Name of Person or Firm Doing Filling & Sealing <b>Soils &amp; Engineering Services, Inc</b>		License # _____		Date of Filling & Sealing or Verification (mm/dd/yyyy) <b>03/08/2023</b>		Date Received _____	
Street or Route <b>1102 Stewart St.</b>		Telephone Number <b>( 608 )274-7600</b>		Comments _____		Noted By _____	
City <b>Madison</b>		State <b>WI</b>		ZIP Code <b>53713</b>		Signature of Person Doing Work 	
						Date Signed _____	

B-221

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-221	
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 2" ID					
WI Unique Well No. --	DNR Well ID No. --	Common Well Name --	Final Static Water Level 882.5 Feet MSL	Surface Elevation 892.8 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 378,832 N, 2,169,690 E S/C/N SE 1/4 of SE 1/4 of Section 25, T 7 N, R 10 E		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), brown (10YR 4/3), mostly silt with clay, some fine sand, soft, cohesive, uniform, massive, trace roots and rock, medium stiff. (Loess)	CL				1.0 1.25	M				
			3											
S2	24		4											
			5	CLAYEY SAND (SC), brown (7.5YR 5/4), mostly fine sand with medium to coarse sand, fine to coarse gravel (mostly dolomite), uniform, massive, soft. (Till) (Holy Hill Formation, Horicon Member)	SC				0.75	M				
			6											
S3	60		7											
			8											
			9											
			10	Lenses of sand.										
			11											
			12	SILTY SAND (SM), reddish yellow (7.5YR 6/6), mostly fine sand with medium to coarse sand and some clay, fine to coarse gravel (mostly dolomite), uniform, massive, very dense/hard. (Till) (Holy Hill Formation, Horicon Member)	SM				4.5+	W				Measured depth to water at 10.25' bgs.
			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]



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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 <b>Dane</b>	WI Unique Well # of Removed Well _____	Hicap # <b>B-221</b>
-----------------------	--	-------------------------

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 <b>25</b>	Township <b>7 N</b>	Range <b>10</b>	<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****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) <b>01/11/2023</b> 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.)  
**19.5**Lower Drillhole Diameter (in.)  
**2.3**Was well annular space grouted? ☐ Yes ☒ No ☐ UnknownIf yes, to what depth (feet)?  
**NA**Depth to Water (feet)  
**10.25****5. Material Used to Fill Well / Drillhole**

3/8" Bentonite Chips

Bentonite Grout

**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  
**Madison**State  
**WI**ZIP 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

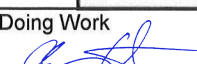
☐ Neat Cement Grout ☒ Bentonite Grout☐ Sand-Cement (Concrete) Grout ☒ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:

☐ Bentonite Chips ☐ Bentonite - Cement Grout☐ Granular Bentonite ☐ Bentonite - Sand Slurry**6. Comments**

Boring B-221

**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) 01/11/2023	<b>DNR Use Only</b>	
Street or Route PO Box 280	City Sun Prairie	State WI	ZIP Code 53590	Date Received Noted By
Telephone Number ( 608 )837-8992		Comments		
Signature of Person Doing Work 		Date Signed 01/11/2023		



B-221C

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

Page 1 of 3

Facility/Project Name <b>Dane County Landfill No. 3 (Proposed)</b> SCS#: 25222268.00		License/Permit/Monitoring Number		Boring Number <b>B-221C</b>	
Boring Drilled By: Name of crew chief (first, last) and Firm <b>John Wagner Subsurface Exploration Services</b>		Date Drilling Started <b>2/22/2023</b>		Date Drilling Completed <b>2/23/2023</b>	
WI Unique Well No. --		DNR Well ID No. --		Common Well Name --	
Final Static Water Level --		Surface Elevation <b>892.8 Feet MSL</b>		Borehole Diameter <b>8.3"</b>	
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input checked="" type="checkbox"/> State Plane <b>378,832 N, 2,169,690 E S/C/N</b> <b>SE 1/4 of SE 1/4 of Section 25, T 7 N, R 10 E</b>		Lat <b>---</b> ° <b>---</b> ' <b>---</b> " Long <b>---</b> ° <b>---</b> ' <b>---</b> "		Local Grid Location Feet <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
Facility ID		County <b>Dane</b>		County Code <b>13</b>	
				Civil Town/City/ or Village <b>City of Madison</b>	

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	Blind drilled to 20' bgs. (See B-221 log for lithology from 0' to 19.5' 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 	Firm <b>SCS Engineers</b> 2830 Dairy Drive, Madison, WI 53718
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This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

[illegible]

[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 <b>Dane</b>	WI Unique Well # of Removed Well _____	Hicap # <b>B-221C</b>
-----------------------	--	--------------------------

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 <b>25</b>	Township <b>7 N</b>	Range <b>10</b>	<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**Subdivision Name  
\_\_\_\_\_Well ZIP Code  
**53718**Lot #  
\_\_\_\_\_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)  
**02/23/2023**If a Well Construction Report is available,  
please attach.  
\_\_\_\_\_

## Construction Type:

☒ Drilled☐ Driven (Sandpoint)☐ Dug☐ Other (specify): \_\_\_\_\_

## Formation Type:

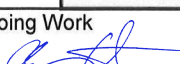
☒ Unconsolidated Formation☒ BedrockTotal Well Depth From Ground Surface (ft.)  
**40**Casing Diameter (in.)  
**NA**Lower Drillhole Diameter (in.)  
**8.3**Casing Depth (ft.)  
**NA**Was well annular space grouted? ☐ Yes ☒ No ☐ UnknownIf yes, to what depth (feet)?  
**NA**Depth to Water (feet)  
**~10****5. 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	150 lbs	dry mix
Bentonite Grout	7	40	35-gallons	2lbs/gal

**6. Comments**

Boring B-221C

**7. Supervision of Work**

Supervision of Work			DNR Use Only	
Name of Person or Firm Doing Filling & Sealing Subsurface Exploration Services	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy) 02/23/2023	Date Received	Noted By
Street or Route 2900 Lowell Dr.			Comments	
City Green Bay			Signature of Person Doing Work 	
State WI			Date Signed 02/23/2023	
ZIP Code 54311				

B-222



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

Page 1 of 2

Facility/Project Name <b>Dane County Landfill No. 3 (Proposed)</b> SCS#: 25222268.00			License/Permit/Monitoring Number		Boring Number <b>B-222</b>	
Boring Drilled By: Name of crew chief (first, last) and Firm <b>Tony Kapugi</b> <b>On-site Environmental Services, Inc.</b>			Date Drilling Started <b>1/9/2023</b>		Date Drilling Completed <b>1/9/2023</b>	
Drilling Method <b>Direct Push</b> <b>2" ID</b>						
WI Unique Well No. --	DNR Well ID No. --	Common Well Name --	Final Static Water Level <b>893.2 Feet MSL</b>		Surface Elevation <b>900.2 Feet MSL</b>	
					Borehole Diameter <b>2.3"</b>	
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input checked="" type="checkbox"/> State Plane <b>378,425 N, 2,168,164 E S / C / N</b> <b>SW 1/4 of SE 1/4 of Section 25, T 7 N, R 10 E</b>			Lat <b>---</b> ° <b>---</b> ' <b>---</b> " Long <b>---</b> ° <b>---</b> ' <b>---</b> "		Local Grid Location Feet <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
Facility ID		County <b>Dane</b>	County Code <b>13</b>	Civil Town/City/ or Village <b>City of Madison</b>		

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, dark yellowish brown (10YR 4/6), mostly silt with clay, some fine sand, soft, cohesive, uniform, massive, trace roots. (Loess)	CL				1.25	M				
			3											
S2	44		4											
			5	SILTY SAND (SM), brown (10YR 4/3), 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				
			6	Red (2.5YR 4/6) with more sand.										
S3	58		7											
			8											
			9	POORLY GRADED SAND (SP), strong brown (7.5YR 5/8), fine sand with medium to coarse sand and fine to coarse gravel. (Outwash) (Holy Hill Formation)	SP									
			10											
			11	CLAYEY SAND (SC), strong brown ( 7.5YR 5/8), mostly fine sand with medium to coarse sand and some clay, fine to coarse gravel (mostly dolomite), with lenses of silt, uniform, massive. (Till) (Holy Hill Formation, Horicon Member)	SC					W				
			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 <b>SCS Engineers</b> 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	24		16 17	SILTY SAND (SM), reddish yellow (7.5YR 6/8), mostly fine sand with medium to coarse sand and some clay, fine to coarse gravel (mostly dolomite), uniform, massive. (Till) (Holy Hill Formation, Horicon Member)  Refusal, end of boring at 17' bgs in till. Abandoned borehole with bentonite grout and bentonite chips.	SM	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></di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