

December 5, 2025  
File No. 27225277.00

Mr. Mike Smith, P.E.  
Iowa Department of Natural Resources  
Land Quality Bureau  
6200 Park Avenue  
Des Moines, Iowa 50321

Subject: Landfill Gas Monitoring Probe Installation  
Scott County Landfill  
Permit No. 82-SDP-03-77C

Dear Mike:

SCS Engineers, on behalf of the Waste Commission of Scott County, is submitting the boring logs and construction documentation following the installation of landfill gas monitoring probes associated with the Scott County Landfill (Landfill).

Monitoring GP-11 and GP-12 were installed in September 2025. A work plan that included the proposed locations of the gas probes south of the Landfill, dated June 28, 2023 (Doc #107077), was approved on June 30, 2023 (Doc #107092). The westernmost proposed gas probe, labeled as GP-10, was on the other side of Donaldson Creek from the Landfill. As the creek would function as a barrier to landfill gas migration from the Landfill, GP-10 was determined not to be necessary and was not installed, as approved by the Iowa Department of Natural Resources in email correspondence on August 22, 2025 (Doc #113711).

Boring logs and construction documentation for the newly installed monitoring probes are attached. A site map including the locations of the new monitoring wells is included in Figure 1.

If you have any questions regarding this submittal, please contact Nathan Ohrt at (319) 331-9613.

Sincerely,



Nathan Ohrt  
Senior Project Professional  
SCS Engineers

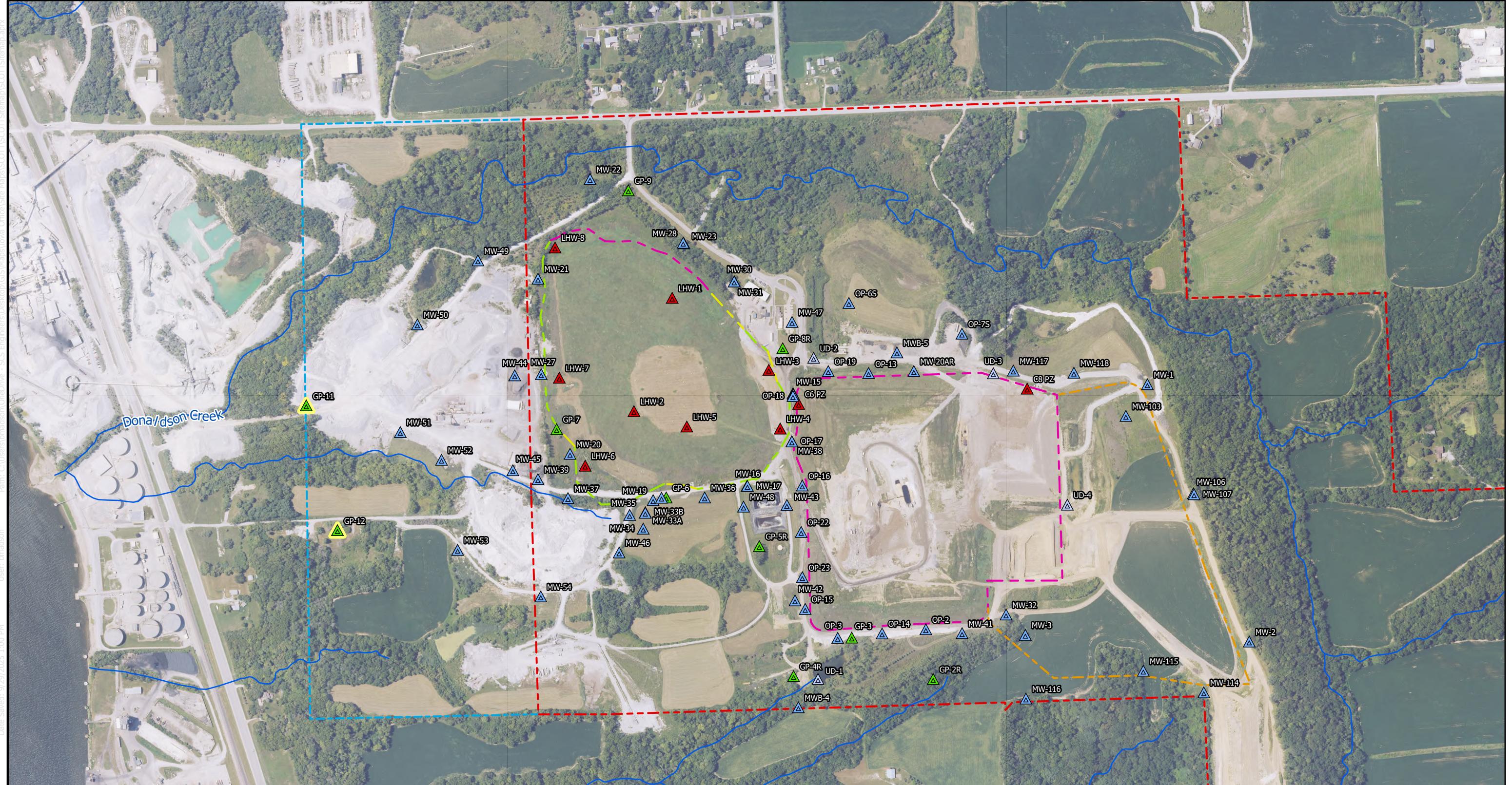
NPO/TCB

Copies: Bryce Stalcup, Waste Commission of Scot County  
Brian Seals, Waste Commission of Scott County



Timothy C. Buelow, P.E.  
VP - Senior Project Advisor  
SCS Engineers





## New LFG Monitoring Points

### Legend

- ▲ New LFG Monitoring Point
- ▲ Monitoring Well
- ▲ Underdrain Location
- ▲ Leachate Monitoring Point
- ▲ Gas Monitoring Point
- Interpolated Waste Boundary
- Approximate Future Waste Boundary
- Located Waste Boundary
- Approximate Waste Boundary
- Stream

Waste Commission of  
 Scott County Landfill  
 Davenport, Iowa  
 Project No: 27225277.26  
 Drawing Date: September  
 2025

0 485 970 1,940  
 Feet

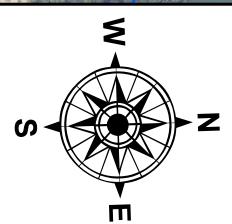


Figure 1

# SOIL BORING LOG AND MONITORING WELL CONSTRUCTION DIAGRAM

Boring / Well Number: <b>GP-11</b>	Facility Name: <b>Scott County Landfill</b>	Facility Street Address: <b>11555 110th Avenue, Davenport, IA</b>			
Boring Depth (ft) X Diameter (in): <b>36.0 x 7.25</b>		Drilling Method: <b>Hollow Stem Auger</b>			
Well Contractor Name: <b>Ryan Peterson</b> Registration Number: <b>10115</b>		Logged by: <b>Austin Henderson</b>			
Ground Surface Elevation (ASL): <b>645.1</b>		Top of Casing Elevation (ASL): <b>648.55</b>			
Date: <b>9/02/2025</b>	Date: <b>9/02/2025</b>	UST Number:			
Start Time: <b>9:00</b>	End Time: <b>11:00</b>	LUST Number:			
Depth (feet)	Well Construction Details	Blow Count if applicable	Sample No.*	PID / FID Type	Rock Formations, Soil, Color and Classifications, Observations (moisture, odor, etc.) First column for USCS
5		1	SS	GP	<b>GRAVEL</b>
10		2	SS	GP	<b>GRAVEL</b> Trace clay/sand
15		3	SS	CL	<b>SILTY CLAY</b> Brown, trace gravel
		4	SS	CL	<b>SILTY CLAY</b> Brown
		5	SS		
		6	SS		
		7	SS		
		8	SS		
		9	SS	SC	<b>SAND</b> Brown, very fine, trace clay

IOWA DNR DNR TEMPLATE.GRD IA.DNR.GDT 10/9/25

ND-Non detectable    DT-Direct push    SS-Split Spoon

Observations	Date:	<b>9/02/2025</b>		
Water Level (ASL)	Level:	▽		
Static Water Level Symbol	Time:	<b>10:30</b>		

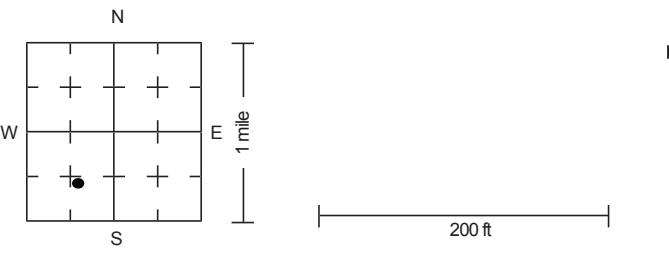
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25				10	SS	CL	<b>SILTY CLAY</b> Brown-grey			
26				11	SS	CL	<b>SILTY CLAY</b> Brown			
27				12	SS	CL	<b>SANDY CLAY (TII)</b> Brown, trace gravel, brown sand layers at 31'			
28				13	SS					
29				14	SS					
30				15	SS					
31				16	SS					
32				17	SS					
33				18	SS					
34										<b>BOTTOM OF BORING</b>
35										

ND-Non detectable    DT-Direct push    SS-Split Spoon

Observations	Date:	<b>9/02/2025</b>			
Water Level (ASL)	Level:	▽			
Static Water Level Symbol	Time:	<b>10:30</b>			

# WELL RECORD FORM - GP-11

PWSID# or PWTS No. _____	PWTS Permit No. _____	GeoSam WNumber (IGS use only) _____																																																																						
<b>Site Identification</b> <p>Property owner Linwood Mining &amp; Minerals Other ID _____      Address 11555 110th Avenue City Davenport      Tenant Waste Commission of Scott County      Well depth 35 ft Date completed 9 / 2 / 2025</p>																																																																								
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<b>Well Development</b> Explain: _____																																																																								
<b>Well Disinfection</b> System Water Volume _____ gal/ft <sup>3</sup> Chemical _____ Chemical Concentration _____ mg/L Contact Time _____ hrs																																																																								
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<b>Certified Pump Installer</b> Company _____ Name _____ Certification no. _____																																																																								
<b>Well Use</b> <input type="checkbox"/> Domestic <input type="checkbox"/> Public supply <input type="checkbox"/> Livestock <input type="checkbox"/> Heat pump <input type="checkbox"/> Commercial <input type="checkbox"/> Irrigation # of borehole(s) _____ <input checked="" type="checkbox"/> Monitoring <input type="checkbox"/> Other _____																																																																								

# SOIL BORING LOG AND MONITORING WELL CONSTRUCTION DIAGRAM

Boring / Well Number: <b>GP-12</b>		Facility Name: <b>Scott County Landfill</b>		Facility Street Address: <b>11555 110th Avenue, Davenport, IA</b>		
Boring Depth (ft) X Diameter (in): <b>36.0 x 7.25</b>				Drilling Method: <b>Hollow Stem Auger</b>		
Well Contractor Name: <b>Ryan Peterson</b> Registration Number: <b>10115</b>				Logged by: <b>Austin Henderson</b>		
Ground Surface Elevation (ASL): <b>651.8</b>		Top of Casing Elevation (ASL): <b>655.21</b>				
Date: <b>9/02/2025</b>		Date: <b>9/02/2025</b>		UST Number:		LUST Number:
Start Time: <b>12:00</b>		End Time: <b>2:00</b>				
Depth (feet)	Well Construction Details		Blow Count if applicable	Sample No.*	PID / FID Type	Rock Formations, Soil, Color and Classifications, Observations (moisture, odor, etc.) First column for USCS
5			1	SS		CL <b>SILTY CLAY</b> Dark Brown, trace organics
10			2	SS		CL <b>SILTY CLAY</b> Brown-grey, trace sand
15			3	SS		CL <b>SILTY CLAY</b> Grey-brown, trace gravel
			4	SS		
			5	SS		
			6	SS		
			7	SS		
			8	SS		
			9	SS		

IOWA DNR DNR TEMPLATE.GRD IA.DNR.GDT 10/9/25

ND-Non detectable    DT-Direct push    SS-Split Spoon

Observations	Date:	<b>9/02/2025</b>			
Water Level (ASL)	Level:	▽			
Static Water Level Symbol	Time:	<b>1:30</b>			

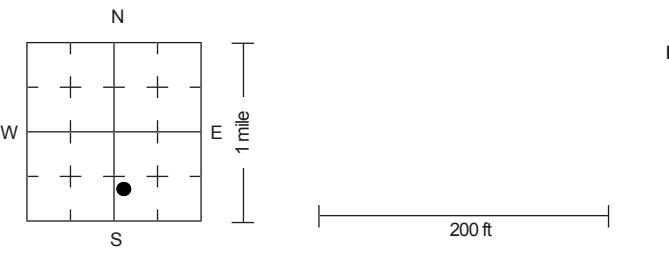
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				11	SS	CL	<b>SILTY-SANDY CLAY</b>
				12	SS	CL	<b>SANDY CLAY</b> Grey-brown, trace gravel, grey fine-coarse sand layers at 31'
				13	SS		
				14	SS		
				15	SS		
				16	SS		
				17	SS		
				18	SS		
							<b>BOTTOM OF BORING</b>

ND-Non detectable    DT-Direct push    SS-Split Spoon

Observations	Date:	<b>9/02/2025</b>			
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Static Water Level Symbol	Time:	<b>1:30</b>			

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<b>Pump Installation</b> Date _____ / _____ / _____ Depth to intake _____ ft Type of pump _____ Rated capacity _____ GPM Pump diameter _____ in Final Yield _____ GPM																																																																	
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_____ ft	_____ ft	_____ GPM	_____ hrs																																																														
Water level measurement: <input type="checkbox"/> Sonic <input type="checkbox"/> Tape <input type="checkbox"/> Airline <input type="checkbox"/> E-line <input type="checkbox"/> Estimate Water yield measurement: <input type="checkbox"/> Orifice <input type="checkbox"/> Volumetric <input type="checkbox"/> Estimate Main water-supply zone from _____ ft to _____ ft below GL																																																																	
<b>Well Development</b> Explain: _____																																																																	
<b>Well Disinfection</b> System Water Volume _____ gal/ft <sup>3</sup> Chemical _____ Chemical Concentration _____ mg/L Contact Time _____ hrs																																																																	
<b>Certified Well Driller</b> Company Terracon Name Ryan Peterson Certification no. 10115																																																																	
<b>Certified Pump Installer</b> Company _____ Name _____ Certification no. _____																																																																	
<b>Well Use</b> <input type="checkbox"/> Domestic <input type="checkbox"/> Public supply <input type="checkbox"/> Livestock <input type="checkbox"/> Heat pump <input type="checkbox"/> Commercial <input type="checkbox"/> Irrigation # of borehole(s) _____ <input checked="" type="checkbox"/> Monitoring <input type="checkbox"/> Other _____																																																																	