



1690 All-State Court
Suite #100
West Des Moines, IA 50265
515-631-6160
File No. 27226457.00

September 10, 2026

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

Subject: Monitoring Well and Landfill Gas Monitoring Probes Installation
Scott Area Landfill
Permit No. 82-SDP-09-92P

Dear Mike:

SCS Engineers, on behalf of the Waste Commission of Scott County, is submitting the boring logs and construction documentation for one groundwater monitoring well and three landfill gas monitoring probes installed at the Scott Area Landfill (Landfill).

Monitoring well MW-41R was installed in June 2026 to replace Hydrologic Monitoring System Plan (HMSP) monitoring well MW-41, which was abandoned as part of the construction of Cell 10. Abandonment documentation for MW-41 was submitted on February 19, 2026 (Doc #116194).

Landfill gas monitoring probe GP-2R2 was installed in June 2026 to replace monitoring probe GP-2R, which was abandoned as part of the construction of Cell 10. Abandonment documentation for GP-2R was submitted on February 19, 2026 (Doc #116194).

Monitoring probes GP-10 and GP-13 were installed in June 2026. These monitoring probes were included in the landfill gas monitoring network associated with the Landfill as approved in Special Provision No. 6 of the renewed permit dated April 13, 2026 (Doc #116840)

Boring logs and construction documentation for the newly installed monitoring points 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 the number below.

Sincerely,



Nathan Ohrt
Senior Project Professional
SCS Engineers
319-331-9613
nohrt@scsengineers.com



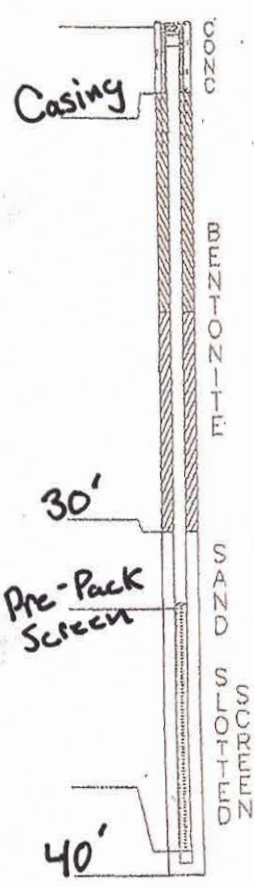
Timothy C. Buelow, P.E.
VP, Senior Project Advisor
SCS Engineers
515-681-5455
tbuelow@scsengineers.com

Copies: Mr. Brian Seals, Waste Commission of Scott County
 Mr. Bryce Stalcup, Waste Commission of Scott County
 Mr. Daniel Watterson, Iowa Department of Natural Resources

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION DIAGRAM

Boring/Well # **MW- 41R** Facility **Scott Area** Facility **11555 110th Ave Davenport, IA**
 Name **Landfill** Address
 Boring Depth (ft) X Diameter (in) **40' x 2.75"** Drilling Method **Direct Push / HSA**
 Well Contractor **14360** Logged by **Calvin Harris**
 Registration # **14360**
 Ground Surface Elevation (ASL): **694.8** Top of Casing Elevation (ASL): **697.40**
 Date: **6/23/26** Date: **6/23/26** UST Number LUST Number
 Start Time **3:00** End Time **5:45**

Depth in Feet	Well Construction Details	Blow Count If Applicable	Sample No. Type	PID/FID Reading (ppm)	Rock Formations, Soil, Color and Classifications, Observations (moisture, odor, etc.) First column for USCS
					0-1 0-6' Fat brown Clay
					1-2
					2-3
					3-4
					4-5
					5-6 6'-25' Grey / Brown
					6-7 Lean clay
					7-8
					8-9
					9-10
					10-11
					11-12
					12-13
					13-14
					14-15
					15-16
					16-17
					17-18
					18-19
					19-20 25'-40' Grey / Brown
					fat dense clay
					33'-Wet / Moisture



CS (continuous sampler) LAB (sample collected for laboratory analysis)

WATER LEVEL	Date:					
OBSERVATIONS:	Time:					
	Level:					

MONITORING WELL / PIEZOMETER CONSTRUCTION DOCUMENTATION FORM

Disposal Site Name: Scott Area Landfill Permit No.: 82-SDP-09-92P
Well/Piezometer No.: MW-41R Date Started: 6/23/2026 Date Completed: 6/23/2026
Applicable Requirements¹: ☒ 567 IAC 113 ☐ 567 IAC 115 ☐ Site Permit
☐ 567 IAC 114 ☐ 567 IAC 139 ☐ Other: _____

A. SURVEYED LOCATION² AND ELEVATION OF POINT

Elevations (MSL): Ground Surface: 694.8 Top of Protective Casing: 697.8
Top of Well Casing: 697.40
Site Coordinates: Northing: 551505.6 Easting: 2414410.6
World Coordinates: Latitude: 41.47922615 Longitude: -90.67484829
Elevation and Coordinate Systems: _____

B. SOIL BORING INFORMATION

Certified Well Contractor EcoSource Consultants
Address 1001 Raccoon Street City, State, Zip Code Des Moines, IA 50309
Name of driller Sid Trotter Cert No. 14360
Drilling method Direct Push/HSA Drilling fluid NA Bore hole diameter 7.25 inches
Soil sampling method Continuous Sampler Depth of boring 40 feet

C. MONITORING WELL INSTALLATION

Casing material	Seal (minimum 3 ft. length above filter pack)
Length of casing: <u>32.6 feet (including stick-up)</u>	Material: <u>Bentonite chips</u>
Casing diameter: <u>2 inches</u>	Placement method: <u>poured</u>
Casing joint type: <u>threaded</u>	Quantity: <u>NA</u>
Casing/screen joint type: <u>threaded</u>	Backfill (if different from seal)
Screen material: <u>PVC</u>	Material: _____
Screen opening size: <u>0.010 inch</u>	Placement method: _____
Screen length: <u>10 feet</u>	Quantity: _____
Depth of Well	Surface seal design
Filter Pack: <u>Pre-packed screen</u>	Material of protective casing: <u>Metal</u>
Material: <u>Silica sand</u>	Material of grout between
Grain Size: <u>NA</u>	protective casing and well casing: <u>None</u>
Quantity: <u>NA</u>	Protective cap
Well cap: <u>Expandable plug (J plug)</u>	Material: <u>Metal</u>
Material: <u>Plastic</u>	Vented?: ☒ Y ☐ N Locking?: ☒ Y ☐ N
Vented?: ☒ Y ☐ N	

¹ Refer to the site's permit to determine applicable requirements. Note that some sites may only be regulated by their permit versus current landfill chapters. If the permit and rule are silent regarding applicable requirements, then 567 IAC Chapter 39 shall apply, which requires use of the Well Log (Well Record) Form, not this form. If the applicable requirements have been modified and approved by the DNR, then note under Other.

² The location does not need to be surveyed by a licensed surveyor. A handheld GPS reading accurate to +/- 30 feet is acceptable when an aerial photograph showing the location (pin) is included with this form. The site coordinates should be the same coordinate system currently used for survey control and mapping of the site.

D. GROUNDWATER MEASUREMENT (± 0.01 foot below top of inner well casing)

Water level Moisture at 33 feet Stabilization time <24 hours
Well development method None
Average depth of frost line 3.5 feet

DRILLER'S CERTIFICATION

I certify under penalty of law I believe the information reported above is true, accurate, and complete.

Signature  Certification # 14360 Date 8/14/2026

Note: Attach well log, boring log, and map showing new monitoring well/piezometer location in relation to existing wells or piezometers. Complete one form for each well plugged and submit within 30 days to the local county agent, DNR project officer, and Daniel Watterson Daniel.Watterson@dnr.iowa.gov. DNR prefers that the forms be completed and submitted electronically.

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION DIAGRAM

Boring/Well # 6P-2R2	Facility Name scott Area Landfill	Facility Address 11555 110th Ave. Davenport, IA
Boring Depth (ft) X Diameter (in) 20' x 2.75"	Drilling Method Direct Push / Rotary Auger	Well Contractor 14360
Registration #	Logged by Calvin Harris	
Ground Surface Elevation (ASL): 685.7	Top of Casing Elevation (ASL): 689.10	
Date: 6/24/28	Date: 6/24/26	UST Number
Start Time 8:30	End Time 9:30	LUST Number

Depth in Feet	Well Construction Details	Blow Count If Applicable	Sample No.	Type	PID/FID Reading (ppm)	Rock Formations, Soil, Color and Classifications, Observations (moisture, odor, etc.) First column for USCS
	The diagram shows a vertical well casing. The top 5 feet are labeled 'CONCRETE'. Below that is 'BENTONITE'. A 'Slotted Screen' is located in the 'SAND' layer. Below the sand is another 'SLOTTED SCREEN'. The total depth is marked as 20 feet.					0-1 1-2 0-4' Brown fat clay 2-3 3-4 4'-10' brown lean clay 4-5 5-6 10'-25' gray/brown lean clay 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18 18-19 19-20
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

CS (continuous sampler) LAB (sample collected for laboratory analysis)

WATER LEVEL	Date:				
OBSERVATIONS:	Time:				
	Level:				

MONITORING WELL / PIEZOMETER CONSTRUCTION DOCUMENTATION FORM

Disposal Site Name: Scott Area Landfill Permit No.: 82-SDP-09-92P
Well/Piezometer No.: GP-2R2 Date Started: 6/24/2026 Date Completed: 6/24/2026
Applicable Requirements¹: ☒ 567 IAC 113 ☐ 567 IAC 115 ☐ Site Permit
☐ 567 IAC 114 ☐ 567 IAC 139 ☐ Other: _____

A. SURVEYED LOCATION² AND ELEVATION OF POINT

Elevations (MSL): Ground Surface: 685.7 Top of Protective Casing: 689.5
Top of Well Casing: 689.10
Site Coordinates: Northing: 551222.5 Easting: 2414612.2
World Coordinates: Latitude: 41.47843163 Longitude: -90.67414651
Elevation and Coordinate Systems: _____

B. SOIL BORING INFORMATION

Certified Well Contractor EcoSource Consultants
Address 1001 Raccoon Street City, State, Zip Code Des Moines, IA 50309
Name of driller Sid Trotter Cert No. 14360
Drilling method Direct Push/Rotary Drilling fluid NA Bore hole diameter 7.25 inches
Soil sampling method Continuous Sampler Depth of boring 20 feet

C. MONITORING WELL INSTALLATION

Casing material	Seal (minimum 3 ft. length above filter pack)
Length of casing: <u>8.4 feet (including stick-up)</u>	Material: <u>Sand</u>
Casing diameter: <u>2 inches</u>	Placement method: <u>poured</u>
Casing joint type: <u>threaded</u>	Quantity: <u>NA</u>
Casing/screen joint type: <u>threaded</u>	Backfill (if different from seal)
Screen material: <u>PVC</u>	Material: _____
Screen opening size: <u>0.010 inch</u>	Placement method: _____
Screen length: <u>15 feet</u>	Quantity: _____
Depth of Well	Surface seal design
Filter Pack: _____	Material of protective casing: <u>Metal</u>
Material: <u>Silica sand</u>	Material of grout between
Grain Size: <u>0.88 mm</u>	protective casing and well casing: <u>None</u>
Quantity: <u>NA</u>	Protective cap
Well cap: <u>Expandable plug (J plug)</u>	Material: <u>Metal</u>
Material: <u>Plastic</u>	Vented?: ☒ Y ☐ N Locking?: ☒ Y ☐ N
Vented?: ☐ Y ☒ N	

¹ Refer to the site's permit to determine applicable requirements. Note that some sites may only be regulated by their permit versus current landfill chapters. If the permit and rule are silent regarding applicable requirements, then 567 IAC Chapter 39 shall apply, which requires use of the Well Log (Well Record) Form, not this form. If the applicable requirements have been modified and approved by the DNR, then note under Other.

² The location does not need to be surveyed by a licensed surveyor. A handheld GPS reading accurate to +/- 30 feet is acceptable when an aerial photograph showing the location (pin) is included with this form. The site coordinates should be the same coordinate system currently used for survey control and mapping of the site.

D. GROUNDWATER MEASUREMENT (± 0.01 foot below top of inner well casing)

Water level NA Stabilization time NA
Well development method NA
Average depth of frost line 3.5 feet

DRILLER'S CERTIFICATION

I certify under penalty of law I believe the information reported above is true, accurate, and complete.

Signature  Certification # 14360 Date 8/14/2026

Note: Attach well log, boring log, and map showing new monitoring well/piezometer location in relation to existing wells or piezometers.

Complete one form for each well plugged and submit within 30 days to the local county agent, DNR project officer, and Daniel Watterson with the DNR's Water Supply Section at Daniel.Watterson@dnr.iowa.gov. DNR prefers that the forms be completed and submitted electronically.

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION DIAGRAM

Boring/Well # 6P-10	Facility Scott Area	Facility 11555
Name Landfill	Address	
Boring Depth (ft) X Diameter (in) 20' x 2.75"	Drilling Method Direct Push / Rotary Auger	
Well Contractor 14360	Logged by Calvin Harris	
Registration #		
Ground Surface Elevation (ASL): 705.2	Top of Casing Elevation (ASL): 708.70	
Date: 6/25/26	Date: 6/25/26	
Start Time 12:00	End Time 12:45	
UST Number	LUST Number	

Depth in Feet	Well Construction Details	Blow Count If Applicable	Sample No.	Type*	PID/FID Reading (ppm)	Rock Formations, Soil, Color and Classifications, Observations (moisture, odor, etc.) First column for USCS
						0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18 18-19 19-20
						0-1' brown fat clay 1'-15' lean hard dense clay gray 15'-20' brown fat clay Wet @ 17'

CS (continuous sampler) LAB (sample collected for laboratory analysis)

WATER LEVEL	Date:				
OBSERVATIONS:	Time:				
	Level:				

MONITORING WELL / PIEZOMETER CONSTRUCTION DOCUMENTATION FORM

Disposal Site Name: Scott Area Landfill Permit No.: 82-SDP-09-92P
Well/Piezometer No.: GP-10 Date Started: 6/25/2026 Date Completed: 6/25/2026
Applicable Requirements¹: ☒ 567 IAC 113 ☐ 567 IAC 115 ☐ Site Permit
☐ 567 IAC 114 ☐ 567 IAC 139 ☐ Other: _____

A. SURVEYED LOCATION² AND ELEVATION OF POINT

Elevations (MSL): Ground Surface: 705.2 Top of Protective Casing: 709.1
Top of Well Casing: 708.70
Site Coordinates: Northing: 553174.4 Easting: 2414690.2
World Coordinates: Latitude: 41.48377883 Longitude: -90.67363059
Elevation and Coordinate Systems: _____

B. SOIL BORING INFORMATION

Certified Well Contractor EcoSource Consultants
Address 1001 Raccoon Street City, State, Zip Code Des Moines, IA 50309
Name of driller Sid Trotter Cert No. 14360
Drilling method Direct Push/Rotary Drilling fluid NA Bore hole diameter 7.25 inches
Soil sampling method Continuous Sampler Depth of boring 17 feet

C. MONITORING WELL INSTALLATION

Casing material	Seal (minimum 3 ft. length above filter pack)
Length of casing: <u>8.5 feet (including stick-up)</u>	Material: <u>Sand</u>
Casing diameter: <u>2 inches</u>	Placement method: <u>poured</u>
Casing joint type: <u>threaded</u>	Quantity: <u>NA</u>
Casing/screen joint type: <u>threaded</u>	Backfill (if different from seal)
Screen material: <u>PVC</u>	Material: _____
Screen opening size: <u>0.010 inch</u>	Placement method: _____
Screen length: <u>12 feet</u>	Quantity: _____
Depth of Well	Surface seal design
Filter Pack: _____	Material of protective casing: <u>Metal</u>
Material: <u>Silica sand</u>	Material of grout between
Grain Size: <u>0.88 mm</u>	protective casing and well casing: <u>None</u>
Quantity: <u>NA</u>	Protective cap
Well cap: <u>Expandable plug (J plug)</u>	Material: <u>Metal</u>
Material: <u>Plastic</u>	Vented?: ☒ Y ☐ N Locking?: ☒ Y ☐ N
Vented?: ☐ Y ☒ N	

¹ Refer to the site's permit to determine applicable requirements. Note that some sites may only be regulated by their permit versus current landfill chapters. If the permit and rule are silent regarding applicable requirements, then 567 IAC Chapter 39 shall apply, which requires use of the Well Log (Well Record) Form, not this form. If the applicable requirements have been modified and approved by the DNR, then note under Other.

² The location does not need to be surveyed by a licensed surveyor. A handheld GPS reading accurate to +/- 30 feet is acceptable when an aerial photograph showing the location (pin) is included with this form. The site coordinates should be the same coordinate system currently used for survey control and mapping of the site.

D. GROUNDWATER MEASUREMENT (± 0.01 foot below top of inner well casing)

Water level Wet at 17 feet Stabilization time <24 hours
Well development method NA
Average depth of frost line 3.5 feet

DRILLER'S CERTIFICATION

I certify under penalty of law I believe the information reported above is true, accurate, and complete.

Signature  Certification # 14360 Date 8/14/2026

Note: Attach well log, boring log, and map showing new monitoring well/piezometer location in relation to existing wells or piezometers.

Complete one form for each well plugged and submit within 30 days to the local county agent, DNR project officer, and Daniel Watterson with the DNR's Water Supply Section at Daniel.Watterson@dnr.iowa.gov. DNR prefers that the forms be completed and submitted electronically.

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION DIAGRAM

Boring/Well # GP-13	Facility Scott Area	Facility 11555 110th Ave. Danversport, IA
Name Landfill		Address
Boring Depth (ft) X Diameter (in) 25' x 2.75"		Drilling Method Direct Push Rotor's Auger
Well Contractor 14360		Logged by Calvin Harris
Registration #		
Ground Surface Elevation (ASL): 697.7		Top of Casing Elevation (ASL): 701.70
Date: 6/24/26	Date: 6/24/26	UST
Start Time 1:00	End Time 1:30	Number
		LUST
		Number

Depth In Feet	Well Construction Details	Blow Count If Applicable	Sample No.	Type*	PID/FID Reading (ppm)	Rock Formations, Soil, Color and Classifications, Observations (moisture, odor, etc.) First column for USCS
						0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18 18-19 19-20
						0-7' fat brown clay 7'-25' gray/brown fat clay (soft)

CS (continuous sampler) LAB (sample collected for laboratory analysis)

WATER LEVEL	Date:				
OBSERVATIONS:	Time:				
	Level:				

MONITORING WELL / PIEZOMETER CONSTRUCTION DOCUMENTATION FORM

Disposal Site Name: Scott Area Landfill Permit No.: 82-SDP-09-92P
Well/Piezometer No.: GP-13 Date Started: 6/24/2026 Date Completed: 6/24/2026
Applicable Requirements¹: ☒ 567 IAC 113 ☐ 567 IAC 115 ☐ Site Permit
☐ 567 IAC 114 ☐ 567 IAC 139 ☐ Other: _____

A. SURVEYED LOCATION² AND ELEVATION OF POINT

Elevations (MSL): Ground Surface: 697.7 Top of Protective Casing: 701.9
Top of Well Casing: 701.70
Site Coordinates: Northing: 552276.4 Easting: 2414665.9
World Coordinates: Latitude: 41.48131774 Longitude: -90.67382569
Elevation and Coordinate Systems: _____

B. SOIL BORING INFORMATION

Certified Well Contractor EcoSource Consultants
Address 1001 Raccoon Street City, State, Zip Code Des Moines, IA 50309
Name of driller Sid Trotter Cert No. 14360
Drilling method Direct Push/Rotary Drilling fluid NA Bore hole diameter 7.25 inches
Soil sampling method Continuous Sampler Depth of boring 25 feet

C. MONITORING WELL INSTALLATION

Casing material	Seal (minimum 3 ft. length above filter pack)
Length of casing: <u>8.5 feet</u>	Material: <u>Sand</u>
Casing diameter: <u>2 inches</u>	Placement method: <u>poured</u>
Casing joint type: <u>threaded</u>	Quantity: <u>NA</u>
Casing/screen joint type: <u>threaded</u>	Backfill (if different from seal)
Screen material: <u>PVC</u>	Material: _____
Screen opening size: <u>0.010 inch</u>	Placement method: _____
Screen length: <u>20 feet</u>	Quantity: _____
Depth of Well	Surface seal design
Filter Pack: _____	Material of protective casing: <u>Metal</u>
Material: <u>Silica sand</u>	Material of grout between
Grain Size: <u>0.88 mm</u>	protective casing and well casing: <u>None</u>
Quantity: <u>NA</u>	Protective cap
Well cap: <u>Expandable plug (J plug)</u>	Material: <u>Metal</u>
Material: <u>Plastic</u>	Vented?: ☒ Y ☐ N Locking?: ☒ Y ☐ N
Vented?: ☐ Y ☒ N	

¹ Refer to the site's permit to determine applicable requirements. Note that some sites may only be regulated by their permit versus current landfill chapters. If the permit and rule are silent regarding applicable requirements, then 567 IAC Chapter 39 shall apply, which requires use of the Well Log (Well Record) Form, not this form. If the applicable requirements have been modified and approved by the DNR, then note under Other.

² The location does not need to be surveyed by a licensed surveyor. A handheld GPS reading accurate to +/- 30 feet is acceptable when an aerial photograph showing the location (pin) is included with this form. The site coordinates should be the same coordinate system currently used for survey control and mapping of the site.

D. GROUNDWATER MEASUREMENT (± 0.01 foot below top of inner well casing)

Water level NA Stabilization time NA
Well development method NA
Average depth of frost line 3.5 feet

DRILLER'S CERTIFICATION

I certify under penalty of law I believe the information reported above is true, accurate, and complete.

Signature  Certification # 14360 Date 8/14/2026

Note: Attach well log, boring log, and map showing new monitoring well/piezometer location in relation to existing wells or piezometers.

Complete one form for each well plugged and submit within 30 days to the local county agent, DNR project officer, and Daniel Watterson with the DNR's Water Supply Section at Daniel.Watterson@dnr.iowa.gov. DNR prefers that the forms be completed and submitted electronically.