



411 6th Avenue SE, Suite 400
Cedar Rapids, IA 52401
(319) 365-9565
foth.com

May 15, 2026

Brian Rath, P.E.
Iowa Department of Natural Resources
6200 Park Avenue
Suite 200
Des Moines, IA 50321

RE: Spring 2026 Statistical Notifications
Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Dear Brian Rath, P.E.:

On behalf of the Cedar Rapids Linn County Solid Waste Agency (Agency), Foth Infrastructure & Environment, LLC (Foth) is submitting the notification and placement of notice in the operating record for the Appendix II constituents detected, statistically significant increases (SSIs) over background, and statistically significant levels (SSLs) over the groundwater protection standard (GWPS) for the Spring 2026 semiannual statistical evaluation at Site 1. In accordance with "Unnumbered Amendment Regarding Semiannual Water Quality Reports," the field sampling forms, laboratory reports, and the statistical report associated with the March 2026 monitoring event will be submitted with the 2026 Annual Water Quality Report (AWQR).

1. Report Priority

The following request was submitted with the 2025 AWQR (Foth, 2026) and is awaiting the Iowa Department of Natural Resources (IDNR) review and approval.

- ◆ Amend the Permit and the Methane Monitoring Plan by adding MW-35 and MW-104A as subsurface methane monitoring locations, as detailed in Table 13 of the 2025 AWQR (Foth, 2026). It is noted that waste material not connected to Site 1 was encountered at approximately 7-19 feet below ground surface during drilling at MW-104A as further discussed in the 2014 AWQR (Foth, 2015a). Although the waste material encountered at MW-104A is not associated with Site 1, it appears to be shallow, aged, and not a likely contributor to methane generation. It is also recognized that this material lies within Agency property boundaries. The initial quarterly monitoring event conducted in December 2025 did not detect methane at this well. Should methane be detected in subsequent monitoring events, the waste material at this location will be considered during the development of a methane mitigation strategy.

2. Summary of the Monitoring Networks and Sampling Schedules

A summary of the groundwater monitoring network and the status of the sampling schedules is outlined in Table 1 of Attachment 1.

In March 2026, semiannual corrective action, background, and delineation monitoring were conducted at upper bedrock wells MW-12, MW-13, MW-16, MW-17, MW-32, MW-37, and MW-101A and deeper bedrock wells MW-14, MW-33, MW-38, MW-101B, and MW-109B. In accordance with Permit Amendment #16, annual detection, assessment, corrective action, and delineation monitoring will be conducted in Fall 2026 at upper bedrock wells AW-1, AW-2, AW-3, AW-4, AW-5, MW-20, MW-21, MW-23, MW-24, MW-26, MW-28, MW-30, MW-34, MW-35, VP-3, VP-4, MW-105A, MW-106A, MW-107A, and MW-109A and deeper bedrock wells AW-6, CRL-9, MW-11, MW-15, MW-18, MW-19, MW-22, MW-25, MW-31, MW-36, MW-102B, MW-104B, MW-105B, MW-107B, and MW-108B.

The groundwater monitoring locations are depicted in Figure 1 of Attachment 2. Low-flow or no-purge sampling was continued during the March 2026 sampling event in accordance with the standard operating procedures provided in Appendix B of *Response to DNR Comments dated March 10, 2015* (Foth, 2015b). The low-flow and no-purge sampling rates and equipment utilized will be identified on the field sampling forms submitted with the 2026 AWQR.

3. Appendix II Detections

The Appendix II constituents detected in the groundwater monitoring wells under the corrective action monitoring program during the March 2026 sampling event are presented in Tables 2 and 3 of Attachment 1.

4. Corrective Action and Delineation Monitoring SSIs and SSLs

Summaries of the corrective action and delineation monitoring SSIs and SSLs are provided in Tables 4 and 5 of Attachment 1. The future monitoring schedules are provided in Table 1 of Attachment 1.

5. References

Foth Infrastructure & Environment (Foth), 2015a. *2014 Annual Water Quality Report, Cedar Rapids/Linn County Solid Waste Agency Site No. 1, DNR Permit No. 57-SDP-03-75C, Project I.D.: 14C061.00*. January 29. [Doc. No. 82643, 82499, 82502, 82503].

Foth, 2015b. *Response to DNR Comments dated March 10, 2015, Cedar Rapids/Linn County Solid Waste Agency Site 1, Permit No. 57-SDP-03-75C*. May 6. [Doc. No. 83348].

Foth, 2026. *2025 Annual Water Quality Report, Cedar Rapids Linn County Solid Waste Agency Site 1, Cedar Rapids, Iowa, IDNR Permit No. 57-SDP-03-75C, Project I.D.: 25C051.00*. January 27. [Doc. No. 115860].

Iowa Department of Natural Resources (Matthew R. Phoenix, P.E.), Letter to Karmin McShane, 12 May 2016. "Cedar Rapids/Linn County Solid Waste Agency Sanitary Landfill (Site #1 –

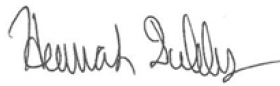
Cedar Rapids), 2015 Annual Water Quality Report and 2015 Statistical Notifications, Permit No. 57-SDP-03-75C." [Doc. No. 86317].

Iowa Department of Natural Resources (Matthew Graesch), Letter to Karmin McShane, 16 Apr 2019. "Cedar Rapids/Linn County Solid Waste Agency Sanitary Landfill #1, Permit No. 57-SDP-03-75C, 2019 Annual Water Quality Report (Doc No. 94330)." [Doc. No.94910].

Thank you for your consideration of this matter. Please contact us at our numbers listed below if you have any questions or need additional information.

Sincerely,

Foth Infrastructure & Environment, LLC



Hannah Dubbs
Project Environmental Scientist
(319) 297-2055



Gina Wilming
Senior Project Manager
(319) 297-2065

cc: Garrett Prestegard, Cedar Rapids Linn County Solid Waste Agency
Joe Horaney, Cedar Rapids Linn County Solid Waste Agency
IDNR Field Office #1

Enclosures

Attachment 1: Tables
Attachment 2: Figure

Attachment 1
Tables

Table 1
Monitoring Program Implementation Schedule
Spring 2026 Statistical Notifications
Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Monitoring Well	Monitoring Program	Sampling Date and Constituents ^(1,2)	Upcoming Sampling Dates and Constituents ^(1,2)		Full Appendix II Sample Dates	
		Mar. 2026	Fall 2026	Spring 2027	Previously Collected	Next Event
Upper Bedrock Monitoring Locations						
<i>Downgradient Monitoring Locations</i>						
AW-1	Corrective Action		Appendix II, TSS		Aug. 2008, Mar. 2009, Sep. 2010, Sep. 2015, Aug. 2020, Aug. 2025	Fall 2030
AW-2	Corrective Action		Appendix II, TSS		Aug. 2008, Mar. 2009, Sep. 2010, Sep. 2015, Aug. 2020, Aug. 2025	Fall 2030
AW-3	Assessment		Appendix II, TSS		Aug. 2008, Mar. 2009, Sep. 2010, Mar. 2016, Jun. 2016, Aug. 2020, Aug. 2025	Fall 2030
AW-4	Assessment		Appendix II, TSS		Aug. 2008, Mar. 2009, Mar. 2016, Jun. 2016, Aug. 2020, Aug. 2025	Fall 2030
AW-5	Assessment		Appendix II, TSS		Aug. 2008, Mar. 2009, Sep. 2015, Aug. 2020, Aug. 2025	Fall 2030
MW-12	Corrective Action	Appendix II, TSS	Appendix II, TSS	Appendix II, TSS	Aug. 2008, Mar. 2009, Sep. 2010, Sep. 2015, Aug. 2020, Aug. 2025	Fall 2030
MW-13	Corrective Action	Appendix II, TSS	Appendix II, TSS	Appendix II, TSS	Aug. 2008, Mar. 2009, Sep. 2010, Sep. 2015, Aug. 2020, Aug. 2025	Fall 2030
MW-16	Corrective Action	Appendix II, TSS	Appendix II, TSS	Appendix II, TSS	Aug. 2008, Mar. 2009, Sep. 2010, Sep. 2015, Aug. 2020, Aug. 2025	Fall 2030
MW-17	Corrective Action	Appendix II, TSS	Appendix II, TSS	Appendix II, TSS	Aug. 2008, Mar. 2009, Sep. 2010, Sep. 2015, Aug. 2020, Aug. 2025	Fall 2030
MW-20	Corrective Action		Appendix II, TSS		Aug. 2008, Mar. 2009, Sep. 2015, Aug. 2020, Aug. 2025	Fall 2030
MW-21	Assessment		Appendix II, TSS		Aug. 2008, Mar. 2009, Sep. 2010, Sep. 2015, Aug. 2020, Aug. 2025	Fall 2030
MW-23	Assessment		Appendix II, TSS		Aug. 2008, Mar. 2009, Sep. 2010, Sep. 2015, Aug. 2020, Aug. 2025	Fall 2030
MW-24	Corrective Action		Appendix II, TSS		Aug. 2008, Mar. 2009, Sep. 2010, Sep. 2015, Aug. 2020, Aug. 2025	Fall 2030
MW-26	Assessment		Appendix II, TSS		Aug. 2008, Mar. 2009, Sep. 2010, Sep. 2015, Aug. 2020, Jan. 2023, Mar. 2023	Fall 2028

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Monitoring Well	Monitoring Program	Sampling Date and Constituents ^(1,2)	Upcoming Sampling Dates and Constituents ^(1,2)		Full Appendix II Sample Dates	
		Mar. 2026	Fall 2026	Spring 2027	Previously Collected	Next Event
Upper Bedrock Monitoring Locations Continued						
<i>Downgradient Monitoring Locations Continued</i>						
MW-28	Assessment		Appendix II, TSS		Aug. 2008, Mar. 2009, Sep. 2015, Aug. 2020, Aug. 2025	Fall 2030
MW-30	Corrective Action		Appendix II, TSS		Aug. 2008, Mar. 2009, Sep. 2010, Sep. 2015, Aug. 2020, Aug. 2025	Fall 2030
MW-32	Corrective Action	Appendix II, TSS	Appendix II, TSS	Appendix II, TSS	Aug. 2008, Mar. 2009, Sep. 2010, Sep. 2015, Aug. 2020, Aug. 2025	Fall 2030
MW-34	Corrective Action		Appendix II, TSS		Aug. 2008, Mar. 2009, Sep. 2010, Sep. 2015, Aug. 2020, Aug. 2025	Fall 2030
MW-35	Assessment ⁽³⁾		Appendix II, TSS		Aug. 2008, Mar. 2009, Sep. 2010, Sep. 2015, Aug. 2020, Aug. 2025	Fall 2030
VP-3	Assessment		Appendix II, TSS		Aug. 2008, Mar. 2009, Sep. 2015, Aug. 2020, Aug. 2025	Fall 2030
VP-4	Assessment		Appendix II, TSS		Aug. 2008, Mar. 2009, Jul. 2019, Sep. 2009, Sep. 2015, Aug. 2020, Aug. 2025	Fall 2030
<i>Background Monitoring Locations</i>						
MW-37	Background	Appendix II, TSS	Appendix II, TSS	Appendix II, TSS	Aug. 2008, Mar. 2009, Sep. 2015, Sep. 2015, Mar. 2016, Aug. 2020, Aug. 2025	Fall 2030
MW-101A	Background	Appendix II, TSS	Appendix II, TSS	Appendix II, TSS	Oct. 2015, Mar. 2016, Aug. 2020, Aug. 2025	Fall 2030
<i>Delineation Monitoring Locations</i>						
MW-105A	Delineation		Appendix I, TSS		N/A - Delineation Monitoring	N/A
MW-106A	Delineation		Appendix I, TSS		N/A - Delineation Monitoring	N/A
MW-107A	Delineation		Appendix I, TSS		N/A - Delineation Monitoring	N/A
MW-109A	Delineation		Appendix I, TSS		N/A - Delineation Monitoring	N/A

Table 1
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Monitoring Well	Monitoring Program	Sampling Date and Constituents ^(1,2)	Upcoming Sampling Dates and Constituents ^(1,2)		Full Appendix II Sample Dates	
		Mar. 2026	Fall 2026	Spring 2027	Previously Collected	Next Event
Deeper Bedrock Monitoring Locations Continued						
<i>Downgradient Monitoring Locations Continued</i>						
AW-6	Corrective Action		Appendix II, TSS		Aug. 2008, Mar. 2009, Sep. 2010, Sep. 2015, Aug. 2020, Aug. 2025	Fall 2030
CRL-9	Corrective Action		Appendix II, TSS		Aug. 2008, Mar. 2009, Sep. 2010, Sep. 2015, Aug. 2020, Aug. 2025	Fall 2030
MW-11	Assessment		Appendix II, TSS		Aug. 2008, Mar. 2009, Sep. 2010, Sep. 2015, Aug. 2020, Aug. 2025	Fall 2030
MW-14	Corrective Action	Appendix II, TSS	Appendix II, TSS	Appendix II, TSS	Aug. 2008, Mar. 2009, Sep. 2010, Sept. 2015, Aug. 2020, Aug. 2025	Fall 2030
MW-15	Assessment		Appendix II, TSS		Aug. 2008, Mar. 2009, Jun. 2016, Aug. 2016, Aug. 2020, Aug. 2025	Fall 2030
MW-18	Assessment		Appendix II, TSS		Aug. 2008, Mar. 2009, Jul. 2015, Sep. 2015, Aug. 2020, Aug. 2025	Fall 2030
MW-19	Assessment		Appendix II, TSS		Aug. 2008, Mar. 2009, Jul. 2015, Sep. 2015, Aug. 2020, Aug. 2025	Fall 2030
MW-22	Corrective Action		Appendix II, TSS		Aug. 2008, Mar. 2009, Sep. 2010, Sep. 2015, Aug. 2020, Aug. 2025	Fall 2030
MW-25	Assessment		Appendix II, TSS		Aug. 2008, Mar. 2009, Sep. 2015, Aug. 2020, Aug. 2025	Fall 2030
MW-31	Detection		Appendix I, TSS		Aug. 2008, Mar. 2009	N/A - Detection
MW-33	Corrective Action	Appendix II, TSS	Appendix II, TSS	Appendix II, TSS	Aug. 2008, Mar. 2009, Sep. 2010, Sep. 2015, Aug. 2020, Aug. 2025	Fall 2030
MW-36	Corrective Action		Appendix II, TSS		Aug. 2008, Mar. 2009, Sep. 2010, Sep. 2015, Aug. 2020, Aug. 2025	Fall 2030
<i>Background Monitoring Locations</i>						
MW-38	Background	Appendix II, TSS	Appendix II, TSS	Appendix II, TSS	Aug. 2008, Mar. 2009, Sep. 2010, Sep. 2015, Mar. 2016, Aug. 2016, Aug. 2020, Aug. 2025	Fall 2030
MW-101B	Background	Appendix II, TSS	Appendix II, TSS	Appendix II, TSS	Sep. 2015, Mar. 2016, Sep. 2016, Aug. 2020, Aug. 2025	Fall 2030

Table 1
Monitoring Program Implementation Schedule
Spring 2026 Statistical Notifications
Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Monitoring Well	Monitoring Program	Sampling Date and Constituents ^(1,2)	Upcoming Sampling Dates and Constituents ^(1,2)		Full Appendix II Sample Dates	
		Mar. 2026	Fall 2026	Spring 2027	Previously Collected	Next Event
Deeper Bedrock Monitoring Locations Continued						
<i>Delineation Monitoring Locations</i>						
MW-102B	Delineation		Appendix I, TSS		N/A - Delineation Monitoring	N/A
MW-104B	Delineation		Arsenic, TSS ⁽³⁾		N/A - Delineation Monitoring	N/A
MW-105B	Delineation		Appendix I, TSS		N/A - Delineation Monitoring	N/A
MW-107B	Delineation		Appendix I, TSS		N/A - Delineation Monitoring	N/A
MW-108B	Delineation		Appendix I without Cobalt, TSS ⁽⁴⁾		N/A - Delineation Monitoring	N/A
MW-109B	Delineation	Appendix I, TSS	Appendix I, TSS	Appendix I, TSS	N/A - Delineation Monitoring	N/A

Comments:

N/A = Not Applicable

⁽¹⁾ In Mar. 2026, semiannual corrective action, background, and delineation monitoring was continued at upper bedrock wells MW-12, MW-13, MW-16, MW-17, MW-32, MW-37, and MW-101A and deeper bedrock wells MW-14, MW-33, MW-38, MW-101B, and MW-109B. In accordance with Permit Amendment #16, annual detection, assessment, corrective action, and delineation monitoring will be conducted in Fall 2026 at upper bedrock wells AW-1, AW-2, AW-3, AW-4, AW-5, MW-20, MW-21, MW-23, MW-24, MW-26, MW-28, MW-30, MW-34, MW-35, VP-3, VP-4, MW-105A, MW-106A, MW-107A, and MW-109A and deeper bedrock wells AW-6, CRL-9, MW-11, MW-15, MW-18, MW-19, MW-22, MW-25, MW-31, MW-36, MW-102B, MW-104B, MW-105B, MW-107B, and MW-108B.

⁽²⁾ Appendix II locations were sampled for the Appendix I and detected Appendix II constituents in Mar. 2026, and will be sampled for the Appendix I and detected Appendix II constituents in Fall 2026 and Spring 2026. In accordance with Permit Amendment #6, resampling for the full Appendix II list at assessment, corrective action, and background monitoring wells is conducted every five years.

⁽³⁾ The Iowa Department of Natural Resources (IDNR) approved retaining MW-104B as an arsenic delineation monitoring well in the letter dated May 12, 2016 (IDNR, 2016).

⁽⁴⁾ The IDNR approved the removal of cobalt from the list of analytes at MW-108B in the letter dated April 16, 2019 (IDNR, 2019).

Table 2
March 2026 Appendix II Detections - Upper Bedrock Corrective Action Monitoring Locations
Spring 2026 Statistical Notifications
Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Constituent	Unit	MW-12 (d)	MW-13 (d)	MW-16 (d)	MW-17 (d)	MW-32 (d)	MW-37 (b)	MW-101A (b)
1,1-Dichloroethane	ug/L	2.12		1.47				
1,2-Dichlorobenzene	ug/L	0.787 J	2.28	0.69 J		0.625 J		
1,4-Dichlorobenzene	ug/L	2.18	15.3	2.94		3.31		
Acetone	ug/L		5.13 J					
Arsenic	mg/L	0.149	0.0984	0.158	0.047	0.143		
Barium	mg/L	0.446	0.781	0.0604	0.0695	0.807	0.0388	0.0637
Benzene	ug/L		2.6			0.69		
Chlorobenzene	ug/L	2.19	3.9	1.54		15.1		
Chloroethane	ug/L		3.33 J					
Chromium	mg/L	0.00259 J						
cis-1,2-Dichloroethene	ug/L	3.39		0.83 J				
Cobalt	mg/L	0.00418	0.0016	0.0216	0.00649	0.00308	0.00048 J	0.000174 J
Nickel	mg/L	0.0706	0.0236	0.169	0.0123	0.024		
Thallium	mg/L	0.00493						
Tin	mg/L					0.00565 J+		
Total Suspended Solids	mg/L	41	73	30	59	37		
Vanadium	mg/L		0.00181 J					
Vinyl Chloride	ug/L	0.46 J						
Zinc	mg/L			0.0159 J				

(d) = downgradient

(b) = background

mg/L = milligrams per liter

ug/L = micrograms per liter

Table 3
March 2026 Appendix II Detections - Deeper Bedrock Corrective Action Monitoring Locations
Spring 2026 Statistical Notifications
Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Constituent	Unit	MW-14 (d)	MW-33 (d)	MW-38 (b)	MW-101B (b)
1,1-Dichloroethane	ug/L	1.49			
1,2-Dichlorobenzene	ug/L	0.864 J			
1,4-Dichlorobenzene	ug/L	5.26	0.799 J		
Arsenic	mg/L	0.0132	0.0477	0.00126 J	0.000604 J
Barium	mg/L	0.516	0.578	0.0459	0.101
Benzene	ug/L	0.415 J			
Chlorobenzene	ug/L	1.39	4.51		
Chloroethane	ug/L	1.26 J			
cis-1,2-Dichloroethene	ug/L	0.881 J			
Cobalt	mg/L	0.000783	0.00137		0.000183 J
Nickel	mg/L	0.0208	0.00745		
Total Suspended Solids	mg/L	37	11.5		

(d) = downgradient

(b) = background

mg/L = milligrams per liter

ug/L = micrograms per liter

Table 4
Summary of Ongoing and Newly Identified SSIs
Spring 2026 Statistical Notifications
Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Well	Constituent ⁽¹⁾	Units	Most Recent Result ⁽²⁾	Background Standard ⁽³⁾	Lower Confidence Limit	GWPS ⁽³⁾	Sample Dates		
							Initial Exceedance (above background)	Resample(s) ⁽⁴⁾	5th Background Sample
Upper Bedrock Monitoring Locations									
<i>Corrective Action Monitoring Locations - Assessment Constituents</i>									
MW-12	1,1-Dichloroethane	ug/L	2.12	1.00	7.2	140	Spring 2010	N/S	Mar. 2010
	1,4-Dichlorobenzene	ug/L	2.18	1.00	2.2	75	Fall 2009	N/S	Mar. 2010
	Barium	mg/L	0.446	0.1392	0.16	2	Fall 2011	N/S	Mar. 2010
	Chlorobenzene	ug/L	2.19	1.00	2.5	100	Fall 2009	N/S	Mar. 2010
	cis-1,2-Dichloroethene	ug/L	3.39	1.00	4.1	70	Fall 2009	N/S	Mar. 2010
	Nickel	mg/L	0.0706	0.0522	0.06	0.1	Fall 2009	N/S	Mar. 2010
	Thallium	mg/L	0.00493	0.001	0.0012	0.002	Spring 2013	N/S	Mar. 2010
MW-13	1,2-Dichlorobenzene	ug/L	2.28	1.00	2.1	600	Fall 2010	N/S	Mar. 2010
	1,4-Dichlorobenzene	ug/L	15.3	1.00	12.1	75	Fall 2009	N/S	Mar. 2010
	Barium	mg/L	0.781	0.1392	0.58	2	Fall 2011	N/S	Mar. 2010
	Benzene	ug/L	2.6	0.500	3.78	5	Fall 2009	N/S	Mar. 2010
	Chlorobenzene	ug/L	3.9	1.00	4.2	100	Fall 2009	N/S	Mar. 2010
MW-16	1,1-Dichloroethane	ug/L	1.47	1.00	1.5	140	Spring 2010	N/S	Mar. 2010
	1,4-Dichlorobenzene	ug/L	2.94	1.00	2.5	75	Fall 2010	N/S	Mar. 2010
	Chlorobenzene	ug/L	1.54	1.00	1.4	100	Fall 2010	N/S	Mar. 2010
	Cobalt	mg/L	0.0216	0.008	0.0018	0.008	Spring 2026	N/S	Mar. 2010
	Nickel	mg/L	0.169	0.0522	0.06	0.1	Fall 2010	N/S	Mar. 2010
MW-17	No SSIs								
MW-32	1,4-Dichlorobenzene	ug/L	3.31	1.00	3.3	75	Fall 2009	N/S	Mar. 2010
	Barium	mg/L	0.807	0.1392	0.75	2	Fall 2011	N/S	Mar. 2010
	Benzene	ug/L	0.69	0.500	1.38	5	Fall 2009	N/S	Mar. 2010
	Chlorobenzene	ug/L	15.1	1.00	8.8	100	Fall 2009	N/S	Mar. 2010
Deeper Bedrock Monitoring Locations									
<i>Corrective Action Monitoring Locations - Assessment Constituents</i>									
MW-14	1,1-Dichloroethane	ug/L	1.49	1.00	1.7	140	Fall 2010	N/S	Mar. 2010
	1,4-Dichlorobenzene	ug/L	5.26	1.00	5.3	75	Spring 2011	N/S	Mar. 2010
	Barium	mg/L	0.516	0.138	0.17	2	Fall 2011	N/S	Mar. 2010
	Chlorobenzene	ug/L	1.39	1.00	2.6	100	Fall 2010	N/S	Mar. 2010
	Nickel	mg/L	0.0208	0.00735	0.014	0.1	Fall 2009	N/S	Mar. 2010
MW-33	Barium	mg/L	0.578	0.138	0.46	2	Fall 2011	N/S	Mar. 2010
	Chlorobenzene	ug/L	4.51	1.00	3.7	100	Fall 2009	N/S	Mar. 2010
	Cobalt	mg/L	0.00137	0.0008033	0.0012	0.0021	Fall 2016	N/S	Mar. 2010
	Nickel	mg/L	0.00745	0.00735	0.006	0.1	Fall 2015	N/S	Mar. 2010

Table 4
Summary of Ongoing and Newly Identified SSIs
Spring 2026 Statistical Notifications
Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Well	Constituent ⁽¹⁾	Units	Most Recent Result ⁽²⁾	Background Standard ⁽³⁾	Lower Confidence Limit	GWPS ⁽³⁾	Sample Dates		
							Initial Exceedance (above background)	Resample(s) ⁽⁴⁾	5th Background Sample
Deeper Bedrock Monitoring Locations Continued									
<i>Delineation Monitoring Locations - Assessment Constituents</i>									
MW-109B	1,4-Dichlorobenzene	ug/L	1.78	1.00	1.1	75	Nov. 2017	Mar. 2018	Nov. 2018
	Barium	mg/L	0.619	0.138	0.66	2	Nov. 2017	Mar. 2018	Nov. 2018
	Chlorobenzene	ug/L	7.48	1.00	6.5	100	Nov. 2017	Mar. 2018	Nov. 2018
	Nickel	mg/L	0.0321	0.00735	0.034	0.1	Nov. 2017	Mar. 2018	Nov. 2018

* For assessment monitoring locations, all current results are below background. If confirmed by a second event, location may return to detection monitoring in accordance with IAC 113.10(6)e. However, three consecutive events will be utilized to make the determination to return to detection monitoring to limit frequent fluctuation of wells moving between the detection and assessment monitoring program.

** LCL has exceeded the GWPS, this well/constituent pair is now identified as an SSL.

*** Non-MSWLF Unit source of the SSI identified.

Comments:

GWPS = Groundwater Protection Standard

LCL = lower confidence limit

mg/L = milligrams per liter

MSWLF = municipal solid waste landfill

N/S = Not resampled; SSI was declared in lieu of conducting resample(s).

SSI = statistically significant increase

SSL = statistically significant level

ug/L = micrograms per liter

⁽¹⁾ List contains constituents which have been identified as SSIs in Spring 2026. Unless otherwise noted, all current results listed in this table are above background. SSIs were declared in lieu of conducting resamples.

⁽²⁾ Most recent results are from Mar. 2026.

⁽³⁾ Source of background standards and GWPS values are provided in the Spring 2026 statistical evaluation memo, which will be submitted with the 2026 Annual Water Quality Report (AWQR). N/A = not applicable.

⁽⁴⁾ Upper and deeper bedrock detection, assessment, and corrective action monitoring locations initiated the Appendix I/II monitoring required by the 2007 rule revisions with assessment monitoring for the full Appendix II list starting in Aug. 2008. Since locations were already in assessment monitoring, the initial statistical exceedances over background were declared as SSIs in lieu of conducting resample(s).

• No SSLs were identified for the assessment constituents in the upper and deeper bedrock corrective action monitoring locations. These locations will continue corrective action monitoring in Fall 2026 as listed in Table 1. A summary of the statistical comparisons for the corrective action constituents is provided in Table 5.

• No SSLs were identified for the assessment constituents in deeper bedrock delineation monitoring well MW-109B. MW-109B will continue delineation monitoring in Fall 2026 as listed in Table 1. A summary of the statistical comparisons for the corrective action constituents is provided in Table 5.

Table 5
Summary of Ongoing and Newly Identified SSLs
Spring 2026 Statistical Notifications
Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Well ⁽¹⁾	Constituent ⁽¹⁾	Units	Most Recent Result ⁽¹⁾	Upper Confidence Limit ⁽²⁾	GWPS ⁽³⁾	Initial Exceedance	Consecutive Compliance Dates		
							1st Occurrence	Most Recent	Duration
Upper Bedrock Monitoring Locations									
<i>Corrective Action Monitoring Locations</i>									
MW-12	Arsenic	mg/L	0.149	0.1287	0.01	Fall 2010	N/A	N/A	N/A
MW-13	Arsenic	mg/L	0.0984	0.0554	0.01	Fall 2010	N/A	N/A	N/A
MW-16	Arsenic	mg/L	0.158	0.1282	0.01	Fall 2011	N/A	N/A	N/A
MW-17	Arsenic	mg/L	0.0470	0.0566	0.01	Fall 2010	N/A	N/A	N/A
MW-32	Arsenic	mg/L	0.143	0.0971	0.01	Fall 2011	N/A	N/A	N/A
Deeper Bedrock Monitoring Locations									
<i>Corrective Action Monitoring Locations</i>									
MW-14	Arsenic	mg/L	0.0132	0.0248	0.01	Fall 2011	N/A	N/A	N/A
MW-33	Arsenic	mg/L	0.0477	0.0390	0.01	Fall 2011	N/A	N/A	N/A
<i>Delineation Monitoring Locations</i>									
MW-109B	Arsenic	mg/L	0.0173	0.0193	0.01	Winter 2018	N/A	N/A	N/A
	Cobalt	mg/L	0.0161	0.01705	0.0021	Fall 2018	N/A	N/A	N/A
	Thallium	mg/L	0.00449	0.00457	0.002	Fall 2018	N/A	N/A	N/A

* This well/contaminant pair has been compliant for 3 consecutive years and no longer has an SSL.

** Non-MSWLF Unit source of the SSL identified.

Comments:

GWPS = Groundwater Protection Standard

MSWLF = municipal solid waste landfill

mg/L = milligrams per liter

N/A = Not applicable; indicates the analyte/well pair has not achieved compliance with the GWPS (i.e., upper confidence limit or the upper 95% confidence limit on the trend line is lower than the GWPS for a period of three consecutive years).

SSL = statistically significant level

⁽¹⁾ The most recent results are from the Mar. 2026 event.

⁽²⁾ If a decreasing trend was identified, the value is the upper 95% confidence limit on the trend line.

⁽³⁾ Source of GWPS values are provided in the Spring 2026 statistical evaluation memo, which will be submitted with the 2026 Annual Water Quality Report (AWQR). N/A = not applicable.

- For the corrective action constituents in the upper bedrock corrective action monitoring locations, SSLs over the GWPS remained for arsenic in MW-12, MW-13, MW-16, MW-17, and MW-32. While compliance with the GWPS was not achieved, statistically significant decreasing trends were identified for arsenic in MW-12 and MW-17.

- For the corrective action constituents in the deeper bedrock corrective action and delineation monitoring locations, SSLs over the GWPS remained for arsenic in MW-14, MW-33, and MW-109B; for cobalt in MW-109B, and for thallium in MW-109B. While compliance with the GWPS was not achieved, statistically significant decreasing trends were identified for arsenic, cobalt, and thallium in MW-109B.

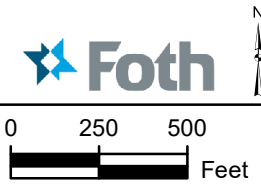
- No changes are recommended for the upper and deeper bedrock corrective action and delineation monitoring locations based on the corrective action statistical results conducted during the Spring 2026 statistical evaluation.

Attachment 2
Figure



NOTES:
 1. Aerial imagery was flown in Fall 2024 and provided by Linn County, Iowa.

LEGEND	
MW-38	◆ Deeper Bedrock Background Well
MW-27	◆ Deeper Bedrock Monitoring Well
MW-37	◆ Upper Bedrock Background Well
MW-26	◆ Upper Bedrock Monitoring Well
	▭ Parcels



Cedar Rapids Linn County Solid Waste Agency	
FIGURE 1	
HMSP MONITORING NETWORK SITE 1	
Date: JANUARY 2026	Revision Date:
Drawn By: DAT	Checked By: GMN
Project: 25C051.00	

This drawing is neither a legally recorded map nor a survey and is not intended to be used as one. This drawing is a compilation of records, information and data used for reference purposes only.