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November 6, 2026

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

RE: Fall 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 Fall 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 August 2026 monitoring event will be submitted with the 2026 Annual Water Quality Report (AWQR).

1. Report Priority

No actions or activities are on hold due to the completion of the Iowa Department of Natural Resources (IDNR) review or comment. There are no changes to the Hydrologic Monitoring System Plan (HMSP) requested in this report.

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 August 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 was also conducted in August 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 August 2026 sampling event in accordance with the standard operating procedures provided in Appendix B of *Response to DNR Comments dated March 10, 2015* (Foth, 2015). 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 assessment and corrective action monitoring program during the August 2026 sampling event are presented in Tables 2 and 3 of Attachment 1.

Single detections of acetone and m/p-cresol were identified at background location MW-37 in August 2026. Acetone has not been detected in either upper bedrock background well prior to the August 2026 event. m/p-Cresol was detected at MW-37 in September 2015 and was not added as a background constituent. The August 2026 detected metals data at MW-37 were removed from the upper bedrock background dataset due to the potential impact indicated by these detections and will be listed as crossed-out concentrations in Table 14 of the 2026 AWQR. As indicated in Table 1, retest samples will be collected for acetone and m/p-cresol prior to the next semiannual event to determine whether MW-37 remains suitable as a background well.

4. Detection Monitoring SSIs

The detection monitoring SSI summary is presented in Table 4 of Attachment 1. No upper bedrock wells are in detection monitoring. A single Double Quantification Rule (DQR) detection was identified for toluene at deeper bedrock detection monitoring well MW-31. Under the retesting plan, an SSI is not declared until one subsequent resample result confirms the DQR detection. A retest sample will be collected for toluene in MW-31 prior to the next semiannual sampling event. The future monitoring schedule is provided in Table 1 of Attachment 1.

5. Assessment, Corrective Action, and Delineation Monitoring SSIs and SSLs

Summaries of the assessment, corrective action, and delineation monitoring SSIs and SSLs are provided in Tables 5 and 6 of Attachment 1.

Single DQR detections were initially identified for o-toluidine and sulfide in CRL-9 during the August 2025 five-year full Appendix II sampling event. Retests collected in December 2025 were non-detect; therefore, SSIs were not declared during the Winter 2025 statistical evaluation. In August 2026, CRL-9 again showed single DQR detections of o-toluidine and sulfide. Under the retesting plan, an SSI is not declared until one subsequent resample result confirms the DQR detections. Therefore, retest samples will be collected for o-toluidine and sulfide in CRL-9 prior to the next semiannual sampling event.

Compliance with the GWPS was achieved for thallium in MW-20 and cobalt in MW-105A starting with the Fall 2024 statistical evaluation and remained through the Fall 2026 statistical evaluation. In accordance with 567 Iowa Administrative Code (IAC) 101.110(9)e(2), cobalt in MW-105A will return to an assessment constituent in 2027. While thallium in MW-20 is eligible to return to an assessment constituent, professional judgment was used to retain thallium at MW-20 in

corrective action. The most recent result exceeded the GWPS, the upper confidence limit remains only slightly below the GWPS, and concentrations have fluctuated around the decreasing trend line. Therefore, additional data is appropriate to provide greater confidence that compliance with the GWPS will be maintained before thallium at MW-20 exits corrective action.

In addition, compliance with the GWPS was newly achieved for vinyl chloride in MW-34 in Fall 2026. In accordance with 567 IAC 101.110(9)e(2), vinyl chloride in MW-34 will return to an assessment constituent in 2030 if the constituent/well pair remains below the GWPS in the interim statistical evaluations.

The future monitoring schedules are provided in Table 1 of Attachment 1.

6. References

Foth Infrastructure & Environment, LLC (Foth), 2015. *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].

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
Fall 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 [2]			Full Appendix II Sample Dates	
		Aug. 2026	Winter 2026	Spring 2027	Fall 2027	Previously Collected	Next Event
Upper Bedrock Monitoring Locations							
Downgradient Monitoring Locations							
AW-1	Corrective Action	Appendix II, TSS			Appendix II, TSS	Aug. 2008, Mar. 2009, Sep. 2010, Sep. 2015, Aug. 2020, Aug. 2025	Fall 2030
AW-2	Corrective Action	Appendix II, TSS			Appendix II, TSS	Aug. 2008, Mar. 2009, Sep. 2010, Sep. 2015, Aug. 2020, Aug. 2025	Fall 2030
AW-3	Assessment	Appendix II, TSS			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			Appendix II, TSS	Aug. 2008, Mar. 2009, Mar. 2016, Jun. 2016, Aug. 2020, Aug. 2025	Fall 2030
AW-5	Assessment	Appendix II, TSS			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			Appendix II, TSS	Aug. 2008, Mar. 2009, Sep. 2015, Aug. 2020, Aug. 2025	Fall 2030
MW-21	Assessment	Appendix II, TSS			Appendix II, TSS	Aug. 2008, Mar. 2009, Sep. 2010, Sep. 2015, Aug. 2020, Aug. 2025	Fall 2030
MW-23	Assessment	Appendix II, TSS			Appendix II, TSS	Aug. 2008, Mar. 2009, Sep. 2010, Sep. 2015, Aug. 2020, Aug. 2025	Fall 2030
MW-24	Corrective Action	Appendix II, TSS			Appendix II, TSS	Aug. 2008, Mar. 2009, Sep. 2010, Sep. 2015, Aug. 2020, Aug. 2025	Fall 2030
MW-26	Assessment	Appendix II, TSS			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 [2]			Full Appendix II Sample Dates	
		Aug. 2026	Winter 2026	Spring 2027	Fall 2027	Previously Collected	Next Event
Upper Bedrock Monitoring Locations Continued							
Downgradient Monitoring Locations Continued							
MW-28	Assessment	Appendix II, TSS			Appendix II, TSS	Aug. 2008, Mar. 2009, Sep. 2015, Aug. 2020, Aug. 2025	Fall 2030
MW-30	Corrective Action	Appendix II, TSS			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			Appendix II, TSS	Aug. 2008, Mar. 2009, Sep. 2010, Sep. 2015, Aug. 2020, Aug. 2025	Fall 2030
MW-35	Assessment	Appendix II, TSS			Appendix II, TSS	Aug. 2008, Mar. 2009, Sep. 2010, Sep. 2015, Aug. 2020, Aug. 2025	Fall 2030
VP-3	Assessment	Appendix II, TSS			Appendix II, TSS	Aug. 2008, Mar. 2009, Sep. 2015, Aug. 2020, Aug. 2025	Fall 2030
VP-4	Assessment	Appendix II, TSS			Appendix II, TSS	Aug. 2008, Mar. 2009, Jul. 2019, Sep. 2009, Sep. 2015, Aug. 2020, Aug. 2025	Fall 2030
Background Monitoring Locations							
MW-37	Background	Appendix II, TSS	Acetone, m/p-Cresol [3]	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
Delineation Monitoring Locations							
MW-105A	Delineation	Appendix I, TSS			Appendix I, TSS	N/A - Delineation Monitoring	N/A
MW-106A	Delineation	Appendix I, TSS			Appendix I, TSS	N/A - Delineation Monitoring	N/A
MW-107A	Delineation	Appendix I, TSS			Appendix I, TSS	N/A - Delineation Monitoring	N/A
MW-109A	Delineation	Appendix I, TSS			Appendix I, TSS	N/A - Delineation Monitoring	N/A
Deeper Bedrock Monitoring Locations							
Downgradient Monitoring Locations							
AW-6	Corrective Action	Appendix II, TSS			Appendix II, TSS	Aug. 2008, Mar. 2009, Sep. 2010, Sep. 2015, Aug. 2020, Aug. 2025	Fall 2030

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Fall 2026 Statistical Notifications
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Monitoring Well	Monitoring Program	Sampling Date and Constituents [1,2]	Upcoming Sampling Dates and Constituents [2]			Full Appendix II Sample Dates	
		Aug. 2026	Winter 2026	Spring 2027	Fall 2027	Previously Collected	Next Event
Deeper Bedrock Monitoring Locations Continued							
Downgradient Monitoring Locations Continued							
CRL-9	Corrective Action	Appendix II, TSS	o-Toluidine, Sulfide [4]		Appendix II, TSS	Aug. 2008, Mar. 2009, Sep. 2010, Sep. 2015, Aug. 2020, Aug. 2025	Fall 2030
MW-11	Assessment	Appendix II, TSS			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			Appendix II, TSS	Aug. 2008, Mar. 2009, Jun. 2016, Aug. 2016, Aug. 2020, Aug. 2025	Fall 2030
MW-18	Assessment	Appendix II, TSS			Appendix II, TSS	Aug. 2008, Mar. 2009, Jul. 2015, Sep. 2015, Aug. 2020, Aug. 2025	Fall 2030
MW-19	Assessment	Appendix II, TSS			Appendix II, TSS	Aug. 2008, Mar. 2009, Jul. 2015, Sep. 2015, Aug. 2020, Aug. 2025	Fall 2030
MW-22	Corrective Action	Appendix II, TSS			Appendix II, TSS	Aug. 2008, Mar. 2009, Sep. 2010, Sep. 2015, Aug. 2020, Aug. 2025	Fall 2030
MW-25	Assessment	Appendix II, TSS			Appendix II, TSS	Aug. 2008, Mar. 2009, Sep. 2015, Aug. 2020, Aug. 2025	Fall 2030
MW-31	Detection	Appendix I, TSS	Toluene [5]		TBD	Aug. 2008, Mar. 2009	N/A
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			Appendix II, TSS	Aug. 2008, Mar. 2009, Sep. 2010, Sep. 2015, Aug. 2020, Aug. 2025	Fall 2030
Background Monitoring Locations							
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

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Monitoring Well	Monitoring Program	Sampling Date and Constituents [1,2]	Upcoming Sampling Dates and Constituents [2]			Full Appendix II Sample Dates	
		Aug. 2026	Winter 2026	Spring 2027	Fall 2027	Previously Collected	Next Event
Deeper Bedrock Monitoring Locations Continued							
Delineation Monitoring Locations							
MW-102B	Delineation	Appendix I, TSS			Appendix I, TSS	N/A - Delineation Monitoring	N/A
MW-104B	Delineation	Arsenic, TSS [6]			Arsenic, TSS [6]	N/A - Delineation Monitoring	N/A
MW-105B	Delineation	Appendix I, TSS			Appendix I, TSS	N/A - Delineation Monitoring	N/A
MW-107B	Delineation	Appendix I, TSS			Appendix I, TSS	N/A - Delineation Monitoring	N/A
MW-108B	Delineation	Appendix I without Cobalt, TSS [7]			Appendix I without Cobalt, TSS [7]	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
TBD = to be determined

[1] In Aug. 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 was also conducted in Aug. 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. Semiannual and annual monitoring will continue in 2027 according to the monitoring schedule described above, unless otherwise noted.

[2] Appendix II locations were sampled for the Appendix I and detected Appendix II constituents in Aug. 2026, and will be sampled for the Appendix I and detected Appendix II constituents in Spring and Fall 2027. 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] Single detections of acetone and m/p-cresol were identified at background location MW-37 in Aug. 2026. Retest samples will be collected for acetone and m/p-cresol prior to the next semiannual event to determine whether MW-37 remains suitable as a background well.

[4] As further discussed in Table 5, retest samples will be collected for o-toluidine and sulfide in CRL-9 prior the next semiannual sampling event.

[5] As further discussed in Table 4, a retest sample will be collected for toluene in MW-31 prior to the next semiannual sampling event. The results will be used to determine the appropriate future sampling schedule.

[6] 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).

[7] 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
August 2026 Appendix II Detections - Upper Bedrock Assessment and Corrective Action Monitoring Locations
Fall 2026 Statistical Notifications
Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Constituent	Unit	AW-1 (d)	AW-2 (d)	AW-3 (d)	AW-4 (d)	AW-5 (d)	MW-12 (d)	MW-13 (d)	MW-16 (d)	MW-17 (d)	MW-20 (d)	MW-21 (d)	MW-23 (d)
1,1-Dichloroethane	ug/L		1.03				2.48	0.758 J	0.868 J			0.527 J	
1,2-Dichlorobenzene	ug/L	0.484 J					2.28	1.63	1.16				
1,4-Dichlorobenzene	ug/L	0.921 J					8.34	13.1	4.85				
Acetone	ug/L												
Antimony	mg/L				0.00247								
Arsenic	mg/L	0.0290	0.0195	0.00418	0.00324	0.00986	0.110	0.0373	0.0733	0.0603	0.0282	0.00111 J+	
Barium	mg/L	0.427	0.491	0.084	0.107	0.165	0.558	0.832	0.105	0.0973	0.192	0.154	0.124
Benzene	ug/L							3.15	0.260 J				
Bis(2-ethylhexyl) phthalate	ug/L												
Cadmium	mg/L				0.000869								0.000304 J
Chlorobenzene	ug/L	6.23	1.77				3.52	3.74	1.42			0.4 J	
Chloroethane	ug/L							3.36 J					
Chromium	mg/L		0.0183		0.00591								
cis-1,2-Dichloroethene	ug/L		2.69				2.77						
Cobalt	mg/L	0.000816 J	0.00196		0.0109	0.00393	0.00399	0.00175	0.000557 J	0.00409	0.00269	0.00123	0.0023
Copper	mg/L		0.00162 J		0.149	0.00245						0.00119 J	0.00294
Lead	mg/L		0.00149			0.000628							0.000437 J
m/p-Cresol	ug/L												
Nickel	mg/L	0.0158	0.0162		0.165	0.00949	0.0738	0.0115	0.0349	0.00747	0.0448	0.0241	0.0138
Selenium	mg/L				0.00137 J	0.00178 J							
Silver	mg/L				0.000394 J	0.000132 J							0.000159 J
Thallium	mg/L		0.00591			0.000277 J	0.00159				0.00265	0.00183	0.00146
Tin	mg/L			0.00273 J									0.00279 J
Toluene	mg/L						0.533 J						
Total Suspended Solids	mg/L	22	14.5	4.33 J	5	75	34.6	117	45.9	98	21.7		2.63
trans-1,2-Dichloroethene	ug/L												
Vanadium	mg/L	0.0000971 J	0.000763	0.000304	0.00315	0.00566	0.000386	0.00341	0.000839	0.000548	0.000299	0.000233 J	0.00212
Vinyl Chloride	ug/L												
Zinc	mg/L		0.0233		0.0106 J				0.0191 J		0.043	0.06	0.101

Comments:
(d) = downgradient
(b) = background
mg/L = milligrams per liter
ug/L = micrograms per liter

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

Constituent	Unit	MW-24 (d)	MW-26 (d)	MW-28 (d)	MW-30 (d)	MW-32 (d)	MW-34 (d)	MW-35 (d)	VP-3 (d)	VP-4 (d)	MW-37 (b)	MW-101A (b)
1,1-Dichloroethane	ug/L				7.09		0.697 J					
1,2-Dichlorobenzene	ug/L	4.66				0.616 J	0.723 J					
1,4-Dichlorobenzene	ug/L	9.45				3.47	2.43					
Acetone	ug/L					5.17 J	8.59 J				12.6 (1)	
Antimony	mg/L											
Arsenic	mg/L	0.0168	0.00137		0.0108	0.208	0.0243	0.00722	0.0029	0.00273	~~0.000905 J~~	0.000346 J
Barium	mg/L	0.711	0.178	0.167	0.223	0.81	0.367	0.163	0.365	0.0779	~~0.0577~~	0.101
Benzene	ug/L	6.37			0.458 J	1.28	0.472 J					
Bis(2-ethylhexyl) phthalate	ug/L	0.662 J										
Cadmium	mg/L											
Chlorobenzene	ug/L	53.5				11.6	2.49					
Chloroethane	ug/L				7.46							
Chromium	mg/L											0.00642
cis-1,2-Dichloroethene	ug/L				4.82							
Cobalt	mg/L				0.00121	0.00294	0.00261	0.014			~~0.00262~~	
Copper	mg/L	0.00217	0.000498 J			0.00131 J	0.000998 J	0.00145 J		0.000526 J	~~0.000624 J~~	0.000667 J
Lead	mg/L	0.000284 J	0.000205 J				0.000252 J	0.000374 J				
m/p-Cresol	ug/L					0.338 J					219 (1)	
Nickel	mg/L	0.00357	0.00112 J		0.0194	0.0191	0.0315	0.025			~~0.00212~~	0.00111 J
Selenium	mg/L							0.00282			~~0.00119 J~~	0.00298
Silver	mg/L											
Thallium	mg/L	0.000428			0.000445							
Tin	mg/L											
Toluene	mg/L	2.93		0.48 J		1.37	1.44				0.467 J	
Total Suspended Solids	mg/L	6.25	21.7	6.75	16.3	22.9	44	11.5	13	1.8 J	3.24 J	
trans-1,2-Dichloroethene	ug/L				0.959 J		0.557 J					
Vanadium	mg/L	0.000623	0.000747 J+	0.000476 J+	0.000442	0.00202	0.00202	0.00102 J+	0.000167 J	0.000172 J	~~0.000445~~	0.00119
Vinyl Chloride	ug/L				0.670 J							
Zinc	mg/L			0.00713 J	0.088			0.0284				

Comments:
(d) = downgradient
(b) = background
mg/L = milligrams per liter
ug/L = micrograms per liter

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

(1) Single detections of acetone and m/p-cresol were identified at background location MW-37 in Aug. 2026. Acetone has not been detected in either upper bedrock background well prior to the Aug. 2026 event. m/p-Cresol was detected at MW-37 in Sep. 2015 and was not added as a background constituent. The Aug. 2026 detected metals data at MW-37 were removed from the upper bedrock background dataset due to the potential impact indicated by these detections and will be listed as crossed-out concentrations in Table 14 of the 2026 Annual Water Quality Report (AWQR). As indicated in Table 1, retest samples will be collected for acetone and m/p-cresol prior to the next semiannual event to determine whether MW-37 remains suitable as a background well.

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

Constituent	Unit	AW-6 (d)	CRL-9 (d)	MW-11 (d)	MW-14 (d)	MW-15 (d)	MW-18 (d)	MW-19 (d)
1,1-Dichloroethane	ug/L	3.03		1.19	0.777 J			
1,2-Dichlorobenzene	ug/L				1.75			
1,4-Dichlorobenzene	ug/L				12.8			
Acetone	ug/L							
Arsenic	mg/L	0.000420 J	0.0352		0.0373	0.000591 J	0.00811	
Barium	mg/L	0.155	0.388	0.0522	0.946	0.0354	0.0192	0.0336 J+
Benzene	ug/L		2.63		0.904			
Chlorobenzene	ug/L				1.53			
Chloroethane	ug/L				2.37 J			
Chromium	mg/L		0.00690					
cis-1,2-Dichloroethene	ug/L							
Cobalt	mg/L	0.00894	0.00368	0.000909 J	0.00163	0.00281		
Copper	mg/L	0.00261	0.000623 J		0.000993 J			
Lead	mg/L		0.000193 J		0.000220 J			
Nickel	mg/L	0.0310	0.0150	0.00405	0.0202	0.00951	0.00808	0.0151
o-Toluidine	ug/L		25.7					
Selenium	mg/L		0.000982 J					
Sulfide	mg/L		1.19					
Toluene	ug/L							
Total Suspended Solids	mg/L	1.63 J	18	1.38 J	81	3	5.5	3
Vanadium	mg/L	0.000641	0.00109	0.000252 J	0.00178		0.000524	0.000573
Zinc	mg/L		0.0127 J		0.00958 J			

(d) = downgradient

(b) = background

mg/L = milligrams per liter

ug/L = micrograms per liter

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

Constituent	Unit	MW-22 (d)	MW-25 (d)	MW-31 (d)	MW-33 (d)	MW-36 (d)	MW-38 (b)	MW-101B (b)
1,1-Dichloroethane	ug/L	1.05						
1,2-Dichlorobenzene	ug/L	0.488 J						
1,4-Dichlorobenzene	ug/L	0.781 J			0.855 J	1.52		
Acetone	ug/L	3.83 J						
Arsenic	mg/L	0.0440	0.00252	0.00035 J	0.0367	0.0638	0.00124	0.000521 J
Barium	mg/L	0.651	0.306	0.0919	0.491	0.618	0.0510	0.131
Benzene	ug/L							
Chlorobenzene	ug/L	2.65			4.89	5.44		
Chloroethane	ug/L							
Chromium	mg/L							
cis-1,2-Dichloroethene	ug/L	0.561 J	1.12					
Cobalt	mg/L	0.00296			0.00116	0.00114		
Copper	mg/L			0.00137 J		0.000606 J		
Lead	mg/L							
Nickel	mg/L	0.0269			0.00787	0.00611		0.00191 J
o-Toluidine	ug/L							
Selenium	mg/L							0.00199 J
Sulfide	mg/L						0.386 J	0.386 J
Toluene	ug/L		1.93	1.77		1.24		
Total Suspended Solids	mg/L	35	2.63	6.75	10.5	19.4		
Vanadium	mg/L	0.00148			0.000181 J	0.000357	0.000406	0.000268 J
Zinc	mg/L							

(d) = downgradient

(b) = background

mg/L = milligrams per liter

ug/L = micrograms per liter

Table 4
Summary of Well/Detected Constituent Pairs With No Previous SSIs
Fall 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 (Aug. 2026)	Background Standard [2]
Deeper Bedrock Monitoring Locations				
Detection Monitoring Locations				
MW-31	Arsenic	mg/L	0.00035 J	0.00225
	Barium	mg/L	0.0919	0.138
	Copper	mg/L	0.00137 J	0.0108
	Toluene	mg/L	**1.77***	1.00
	Total Suspended Solids	mg/L	6.75	N/A

* Current result is above background, if confirmed by retest sample(s) an SSI will be identified (1-of-2 retesting plan for groundwater prediction limits and DQR constituents).

** Current result is a confirmed SSI. Appendix II sampling will be completed within 90 days.

Comments:

DQR = double quantification rule

mg/L = milligrams per liter

N/A = not applicable

SSI = statistically significant increase

[1] List contains constituents detected above the laboratory method detection limit (MDL) and includes J-flagged concentrations.

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

• A single DQR detection was identified for toluene at MW-31. Under the retesting plan, an SSI is not declared until one subsequent resample result confirms the DQR detection. As indicated in Table 1, a retest sample will be collected for toluene in MW-31 prior to the next semiannual sampling event.

Table 5
Summary of Ongoing and Newly Identified SSIs
Fall 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									
Assessment Monitoring Locations									
AW-3	Arsenic	mg/L	0.00418	0.00205	0.0025	0.01	Fall 2011	N/S	Mar. 2010
AW-4	Arsenic	mg/L	0.00324	0.00205	0.0012	0.01	Spring 2012	N/S	Mar. 2010
	Cadmium	mg/L	0.000869	0.0005	0.0002	0.005	Fall 2019	N/S	Mar. 2010
	Cobalt	mg/L	0.0109	0.008	0.0022	0.008	Fall 2025	N/S	Mar. 2010
	Copper	mg/L	0.149	0.0225	0.015	1.3	Sep. 2015	Jan. 2016	Mar. 2010
	Nickel	mg/L	0.165	0.0522	0.025	0.1	Fall 2019	N/S	Mar. 2010
AW-5	Arsenic	mg/L	0.00986	0.00205	0.0062	0.01	Fall 2011	N/S	Mar. 2010
	Barium	mg/L	0.165	0.1447	0.13	2	Fall 2011	N/S	Mar. 2010
	Vanadium	mg/L	0.00566	0.00392	0.0025	0.035	Fall 2026	N/S	Mar. 2010
MW-21	Barium	mg/L	0.154	0.1447	0.23	2	Fall 2011	N/A	Mar. 2010
	Thallium	mg/L	0.00183	0.0004	0.0010	0.002	Spring 2015	N/S	Mar. 2010
MW-23	Thallium	mg/L	0.00146	0.0004	0.0010	0.002	Spring 2015	N/S	Mar. 2010
	Zinc	mg/L	0.101	0.0805	0.08	2	Fall 2011	N/S	Mar. 2010
MW-26	Barium	mg/L	0.178	0.1447	0.19	2	Fall 2011	N/S	Mar. 2010
MW-28	Barium	mg/L	0.167	0.1447	0.23	2	Fall 2011	N/S	Mar. 2010
MW-35	Arsenic	mg/L	0.00722	0.00205	0.0042	0.01	Fall 2011	N/S	Mar. 2010
	Barium	mg/L	0.163	0.1447	0.15	2	Fall 2011	N/S	Mar. 2010
	Cobalt	mg/L	0.014	0.008	0.0047	0.008	Spring 2014	N/S	Mar. 2010
VP-3	Arsenic	mg/L	0.0029	0.00205	0.0048	0.01	Fall 2010	N/S	Mar. 2010
	Barium	mg/L	0.365	0.1447	0.50	2	Fall 2011	N/S	Mar. 2010
VP-4	Arsenic	mg/L	0.00273	0.00205	0.0031	0.01	Fall 2011	N/S	Sep. 2010
Corrective Action Monitoring Locations - Assessment Constituents									
AW-1	Barium	mg/L	0.427	0.1447	0.31	2	Fal 2011	N/S	Mar. 2010
	Chlorobenzene	ug/L	6.23	1.00	4.8	100	Fall 2009	N/S	Mar. 2010
AW-2	1,1-Dichloroethane	ug/L	1.03	1.00	1.1	140	Spring 2010	N/S	Mar. 2010
	Barium	mg/L	0.491	0.1447	0.35	2	Fall 2011	N/S	Mar. 2010
	Chlorobenzene	ug/L	1.77	1.00	1.6	100	Fall 2009	N/S	Mar. 2010
	Chromium	mg/L	0.0183	0.00642	0.003	0.1	Fall 2026	N/S	Mar. 2010
	cis-1,2-Dichloroethene	ug/L	2.69	1.00	3.5	70	Fall 2009	N/S	Mar. 2010
MW-12	1,1-Dichloroethane	ug/L	2.48	1.00	7.2	140	Spring 2010	N/S	Mar. 2010
	1,2-Dichlorobenzene	ug/L	2.28	1.00	1.0	600	Fall 2010	N/S	Mar. 2010
	1,4-Dichlorobenzene	ug/L	8.34	1.00	2.2	75	Fall 2009	N/S	Mar. 2010
	Barium	mg/L	0.558	0.1447	0.16	2	Fall 2011	N/S	Mar. 2010

Table 5
Summary of Ongoing and Newly Identified SSIs
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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 Continued									
Corrective Action Monitoring Locations - Assessment Constituents Continued									
MW-12	Chlorobenzene	ug/L	3.52	1.00	2.6	100	Fall 2009	N/S	Mar. 2010
Continued	cis-1,2-Dichloroethene	ug/L	2.77	1.00	4.1	70	Fall 2009	N/S	Mar. 2010
	Nickel	mg/L	0.0738	0.0522	0.062	0.1	Fall 2009	N/S	Mar. 2010
	Thallium	mg/L	0.00159	0.0004	0.0012	0.002	Spring 2013	N/S	Mar. 2010
MW-13	1,2-Dichlorobenzene	ug/L	1.63	1.00	2.1	600	Fall 2010	N/S	Mar. 2010
	1,4-Dichlorobenzene	ug/L	13.1	1.00	12.2	75	Fall 2009	N/S	Mar. 2010
	Barium	mg/L	0.832	0.1447	0.58	2	Fall 2011	N/S	Mar. 2010
	Benzene	ug/L	3.15	0.500	3.76	5	Fall 2009	N/S	Mar. 2010
	Chlorobenzene	ug/L	3.74	1.00	4.1	100	Fall 2009	N/S	Mar. 2010
MW-16	1,2-Dichlorobenzene	ug/L	1.16	1.00	0.7	600	Spring 2016	N/S	Mar. 2010
	1,4-Dichlorobenzene	ug/L	4.85	1.00	2.6	75	Fall 2010	N/S	Mar. 2010
	Chlorobenzene	ug/L	1.42	1.00	1.4	100	Fall 2010	N/S	Mar. 2010
MW-17	No SSIs								
MW-20	Arsenic	mg/L	0.0282	0.00205	0.008	0.01	Spring 2012	N/S	Mar. 2010
	Barium	mg/L	0.192	0.1447	0.14	2	Fall 2011	N/S	Mar. 2010
MW-24	1,2-Dichlorobenzene	ug/L	4.66	1.00	3.9	600	Spring 2010	N/S	Mar. 2010
	1,4-Dichlorobenzene	ug/L	9.45	1.00	7.5	75	Fall 2009	N/S	Mar. 2010
	Barium	mg/L	0.711	0.1447	0.76	2	Fall 2011	N/S	Mar. 2010
	Benzene	mg/L	6.37	0.500	4.10	5	Fall 2009	N/S	Mar. 2010
	Chlorobenzene	ug/L	53.5	1.00	34.3	100	Fall 2009	N/S	Mar. 2010
	Thallium	mg/L	0.000428	0.0004	0.0005	0.002	Fall 2016	N/S	Mar. 2010
	Toluene	ug/L	2.93	1.00	0.45	1000	Fall 2026	N/S	Mar. 2010
MW-30	1,1-Dichloroethane	ug/L	7.09	1.00	8.0	140	Spring 2010	N/S	Mar. 2010
	Barium	mg/L	0.223	0.1447	0.18	2	Fall 2011	N/S	Mar. 2010
	Chloroethane	ug/L	7.46	1.00	9.5	2800	Fall 2009	N/S	Mar. 2010
	cis-1,2-Dichloroethene	ug/L	4.82	1.00	5.1	70	Fall 2009	N/S	Mar. 2010
	Thallium	mg/L	0.000445	0.0004	0.0010	0.002	Spring 2016	N/S	Mar. 2010
	Zinc	mg/L	0.088	0.0805	0.07	2	Fall 2011	N/S	Mar. 2010
MW-32	1,4-Dichlorobenzene	ug/L	3.47	1.00	3.3	75	Fall 2009	N/S	Mar. 2010
	Barium	mg/L	0.81	0.1447	0.77	2	Fall 2011	N/S	Mar. 2010
	Benzene	ug/L	1.28	0.500	1.38	5	Fall 2009	N/S	Mar. 2010
	Chlorobenzene	ug/L	11.6	1.00	8.9	100	Fall 2009	N/S	Mar. 2010
	Toluene	ug/L	1.37	1.00	0.50	1000	Fall 2025	N/S	Mar. 2010

Table 5
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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 Continued									
Corrective Action Monitoring Locations - Assessment Constituents Continued									
MW-34	1,4-Dichlorobenzene	ug/L	2.43	1.00	3.0	75	Fall 2009	N/S	Mar. 2010
	Barium	mg/L	0.367	0.1447	0.25	2	Fall 2011	N/S	Mar. 2010
	Chlorobenzene	ug/L	2.49	1.00	2.7	100	Fall 2009	N/S	Mar. 2010
	Toluene	ug/L	1.44	1.00	0.50	1000	Fall 2017	N/S	Mar. 2010
Delineation Monitoring Locations - Assessment Constituents									
MW-105A	No SSIs								
MW-106A	Barium	mg/L	0.344	0.1447	0.17	2	Sep. 2013	Nov. 2013	Sep. 2014
	Nickel	mg/L	0.0857	0.0522	0.022	0.1	Fall 2019	N/S	Sep. 2014
MW-107A	Barium	mg/L	0.167	0.1447	0.10	2	Fall 2022	N/S	Sep. 2014
MW-109A	Barium	mg/L	0.216	0.1447	0.19	2	Mar. 2018	Jun. 2018	Nov. 2018
	Selenium	mg/L	0.00443	0.00324	0.0026	0.05	Jun. 2018	Sep. 2018	Nov. 2018
Deeper Bedrock Monitoring Locations									
Assessment Monitoring Locations									
MW-11	1,1-Dichloroethane	ug/L	1.19	1.00	1.2	140	Fall 2009	N/S	Mar. 2010
MW-15	Cobalt	mg/L	0.00281	0.0008164	0.0016	0.0021	Fall 2016	N/S	Mar. 2011
	Nickel	mg/L	0.00951	0.00735	0.006	0.1	Mar. 2016	Jun. 2016	Mar. 2011
MW-18	Arsenic	mg/L	0.00811	0.00225	0.001	0.01	Fall 2024	N/S	Mar. 2010
	Nickel	mg/L	0.00808	0.0074	0.009	0.1	Mar. 2015	Jun. 2015	Mar. 2010
MW-19	Nickel	mg/L	0.0151	0.00735	0.008	0.1	Mar. 2015	Jun. 2015	Mar. 2010
MW-25	Arsenic	mg/L	0.00252	0.00225	0.001	0.01	Mar. 2015	N/S	Mar. 2010
	Barium	mg/L	0.306	0.138	0.19	2	Fall 2011	N/S	Mar. 2010
	cis-1,2-Dichloroethene	ug/L	1.12	1.00	0.5	70	Mar. 2016	N/S	Mar. 2010
	Toluene	ug/L	1.93	1.00	0.2	1000	Fall 2026	N/S	Mar. 2010
Corrective Action Monitoring Locations - Assessment Constituents									
AW-6	1,1-Dichloroethane	ug/L	3.03	1.00	2.1	140	Fall 2009	N/S	Mar. 2010
	Barium	mg/L	0.155	0.138	0.10	2	Fall 2011	N/S	Mar. 2010
	Nickel	mg/L	0.031	0.00735	0.026	0.1	Spring 2015	N/S	Mar. 2010
CRL-9	Barium	mg/L	0.388	0.138	0.43	2	Fall 2011	N/S	Mar. 2010
	Benzene	ug/L	2.63	0.500	1.58	5	Fall 2009	N/S	Mar. 2010
	Chromium	mg/L	0.0069	0.005	0.002	0.1	Fall 2019	N/S	Mar. 2010
	Nickel	mg/L	0.015	0.00735	0.018	0.1	Spring 2015	N/S	Mar. 2010
MW-14	1,2-Dichlorobenzene	ug/L	1.75	1.00	1.2	600	Fall 2011	N/S	Mar. 2010
	1,4-Dichlorobenzene	ug/L	12.8	1.00	5.4	75	Spring 2011	N/S	Mar. 2010

Table 5
Summary of Ongoing and Newly Identified SSIs
Fall 2026 Statistical Notifications
Cedar Rapids Linn County Solid Waste Agency Site 1
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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									
Corrective Action Monitoring Locations - Assessment Constituents Continued									
MW-14	Barium	mg/L	0.946	0.138	0.22	2	Fall 2011	N/S	Mar. 2010
Continued	Benzene	ug/L	0.904	0.500	2.03	5	Fall 2009	N/S	Mar. 2010
	Chlorobenzene	ug/L	1.53	1.00	2.6	100	Fall 2010	N/S	Mar. 2010
	Cobalt	mg/L	0.00163	0.0008164	0.0008	0.0021	Fall 2016	N/S	Mar. 2010
	Nickel	mg/L	0.0202	0.00735	0.014	0.1	Fall 2009	N/S	Mar. 2010
MW-22	1,1-Dichloroethane	ug/L	1.05	1.00	1.6	140	Fall 2009	N/S	Mar. 2010
	Barium	mg/L	0.651	0.138	0.61	2	Fall 2011	N/S	Mar. 2010
	Chlorobenzene	ug/L	2.65	1.00	3.1	100	Fall 2009	N/S	Mar. 2010
	Nickel	mg/L	0.0269	0.00735	0.029	0.1	Spring 2015	N/S	Mar. 2010
MW-33	Barium	mg/L	0.491	0.138	0.46	2	Fall 2011	N/S	Mar. 2010
	Chlorobenzene	ug/L	4.89	1.00	3.7	100	Fall 2009	N/S	Mar. 2010
	Cobalt	mg/L	0.00116	0.0008164	0.0012	0.0021	Fall 2016	N/S	Mar. 2010
	Nickel	mg/L	0.00787	0.00735	0.006	0.1	Fall 2015	N/S	Mar. 2010
MW-36	1,4-Dichlorobenzene	ug/L	1.52	1.00	1.7	75	Spring 2011	N/S	Mar. 2010
	Barium	mg/L	0.618	0.138	0.60	2	Fall 2011	N/S	Mar. 2010
	Chlorobenzene	ug/L	5.44	1.00	6.4	100	Fall 2010	N/S	Mar. 2010
	Cobalt	mg/L	0.00114	0.0008164	0.0013	0.0021	Fall 2016	N/S	Mar. 2010
	Toluene	ug/L	1.24	1.00	0.50	1000	Fall 2026	N/S	Mar. 2010
Delineation Monitoring Locations - Assessment Constituents									
MW-102B	Cobalt	mg/L	0.00139	0.0008164	0.0007	0.0021	Aug. 2016	N/S	Sep. 2014
MW-104B	No SSI for Arsenic								
MW-105B	1,1-Dichloroethane	ug/L	3.02	1.00	2.9	140	Sep. 2013	Nov. 2013	Sep. 2014
	Arsenic	mg/L	0.00279	0.00225	0.0008	0.01	Fall 2019	N/S	Sep. 2014
	Chromium	ug/L	0.148	0.005	0.0025	0.1	Fall 2026	N/S	Sep. 2014
	Nickel	mg/L	0.0183	0.00735	0.010	0.1	Spring 2015	N/S	Sep. 2014
	Vanadium	mg/L	0.0049	0.0025	0.0010	0.035	Fall 2026	N/S	Sep. 2014
MW-107B	Barium	mg/L	0.272	0.138	0.28	2	Sep. 2013	Nov. 2013	Sep. 2014
	Cobalt	mg/L	0.00132	0.0008164	0.0012	0.0021	Aug. 2016	N/S	Sep. 2014
	Nickel	mg/L	0.0107	0.00735	0.010	0.1	Mar. 2015	N/S	Sep. 2014
	Thallium	mg/L	0.00166	0.0004	0.0019	0.002	Mar. 2015	N/S	Sep. 2014
MW-108B	Barium	mg/L	0.206	0.138	0.18	2	Nov. 2017	Mar. 2018	Nov. 2018

Table 5
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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									
Delineation Monitoring Locations - Assessment Constituents Continued									
MW-109B	1,4-Dichlorobenzene	ug/L	1.57	1.00	1.2	75	Nov. 2017	Mar. 2018	Nov. 2018
	Barium	mg/L	0.659	0.138	0.65	2	Nov. 2017	Mar. 2018	Nov. 2018
	Chlorobenzene	ug/L	7.43	1.00	6.6	100	Nov. 2017	Mar. 2018	Nov. 2018
	Nickel	mg/L	0.0369	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 567 IAC 101.110(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 Fall 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 Aug. 2026.

[3] Source of background standards and GWPS values are provided in the Fall 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).

• Single DQR detections were initially identified for o-toluidine and sulfide in CRL-9 during the Aug. 2025 five-year full Appendix II sampling event. Retests collected in Dec. 2025 were non-detect; therefore, SSIs were not declared during the Winter 2025 statistical evaluation. In Aug. 2026, CRL-9 again showed single DQR detections of o-toluidine and sulfide. Under the retesting plan, an SSI is not declared until one subsequent resample result confirms the DQR detections. Therefore, retest samples will be collected for o-toluidine and sulfide in CRL-9 prior to the next semiannual sampling event. Since SSIs have not yet been declared, these analyte/well pairs are not listed in this table. Details regarding the future sampling schedules are provided in Table 1.

Table 5
Summary of Ongoing and Newly Identified SSIs
Fall 2026 Statistical Notifications
Cedar Rapids Linn County Solid Waste Agency Site 1
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Comments Continued:

• No SSLs were identified for the upper and deeper bedrock assessment monitoring locations. None of the upper and deeper bedrock assessment monitoring locations have had all Appendix II constituents below background for three consecutive sampling events; therefore, the upper and deeper bedrock assessment monitoring locations will not exit assessment monitoring at this time. Details regarding the future sampling schedules are provided in Table 1.

• No SSLs were identified for the assessment constituents in the upper and deeper bedrock corrective action and delineation monitoring locations. These locations will continue corrective action monitoring and delineation monitoring in 2027 as listed in Table 1. A summary of the statistical comparisons for the corrective action constituents is provided in Table 6.

Table 6
Summary of Ongoing and Newly Identified SSLs
Fall 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									
Corrective Action Monitoring Locations									
AW-1	Arsenic	mg/L	0.029	0.0436	0.01	Fall 2011	N/A	N/A	N/A
AW-2	Arsenic	mg/L	0.0195	0.0173	0.01	Spring 2012	N/A	N/A	N/A
	Thallium	mg/L	0.00591	0.0045	0.002	Spring 2010	N/A	N/A	N/A
MW-12	Arsenic	mg/L	0.11	0.1268	0.01	Fall 2010	N/A	N/A	N/A
MW-13	Arsenic	mg/L	0.0373	0.0550	0.01	Fall 2010	N/A	N/A	N/A
MW-16	Arsenic	mg/L	0.0733	0.1268	0.01	Fall 2011	N/A	N/A	N/A
MW-17	Arsenic	mg/L	0.0603	0.0577	0.01	Fall 2010	N/A	N/A	N/A
MW-20	Thallium	mg/L	0.00265	0.00193	0.002	Fall 2013	**Fall 2024**	**Fall 2026**	**3 years***
MW-24	Arsenic	mg/L	0.0168	0.0467	0.01	Fall 2011	N/A	N/A	N/A
MW-30	Arsenic	mg/L	0.0108	0.0119	0.01	Fall 2010	N/A	N/A	N/A
MW-32	Arsenic	mg/L	0.208	0.1090	0.01	Fall 2011	N/A	N/A	N/A
MW-34	Arsenic	mg/L	0.0243	0.0347	0.01	Fall 2011	N/A	N/A	N/A
	Vinyl Chloride	ug/L	<1.00	1.42	2	Spring 2010	Fall 2026	N/A	0.5 years
Delineation Monitoring Locations									
MW-105A	Cobalt	mg/L	0.00376	0.00441	0.008	Spring 2015	**Fall 2024**	**Fall 2026**	**3 years***
MW-106A	Arsenic	mg/L	0.0184	0.0162	0.01	Fall 2016	N/A	N/A	N/A
	Cobalt	mg/L	0.0408	0.02044	0.008	Fall 2015	N/A	N/A	N/A
Deeper Bedrock Monitoring Locations									
Corrective Action Monitoring Locations									
AW-6	Cobalt	mg/L	0.00894	0.00915	0.0021	Fall 2016	N/A	N/A	N/A
CRL-9	Arsenic	mg/L	0.0352	0.0409	0.01	Fall 2011	N/A	N/A	N/A
	Cobalt	mg/L	0.00368	0.00489	0.0021	Fall 2016	N/A	N/A	N/A
MW-14	Arsenic	mg/L	0.0373	0.0253	0.01	Fall 2011	N/A	N/A	N/A
MW-22	Arsenic	mg/L	0.044	0.0517	0.01	Fall 2011	N/A	N/A	N/A
	Cobalt	mg/L	0.00296	0.00311	0.0021	Spring 2019	N/A	N/A	N/A
MW-33	Arsenic	mg/L	0.0367	0.0389	0.01	Fall 2011	N/A	N/A	N/A
MW-36	Arsenic	mg/L	0.0638	0.0692	0.01	Fall 2011	N/A	N/A	N/A
Delineation Monitoring Locations									
MW-105B	Cobalt	mg/L	0.00803	0.00372	0.0021	Spring 2019	N/A	N/A	N/A
MW-109B	Arsenic	mg/L	0.0198	0.0195	0.01	Winter 2018	N/A	N/A	N/A
	Cobalt	mg/L	0.0178	0.01722	0.0021	Fall 2018	N/A	N/A	N/A
	Thallium	mg/L	0.0063	0.0050	0.002	Fall 2018	N/A	N/A	N/A

Table 6
Summary of Ongoing and Newly Identified SSLs
Fall 2026 Statistical Notifications
Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

* 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:

< = less than. The sample result was not detected above the method detection limit (MDL).

GWPS = Groundwater Protection Standard

mg/L = milligrams per liter

MSWLF = municipal solid waste landfill

N/A = Not applicable; indicates the analyte/well pair has not achieved compliance with the GWPS (i.e., upper confident 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

ug/L = micrograms per liter

(1) The most recent results are from the Aug. 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 Fall 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 and delineation monitoring locations, SSLs over the GWPS remained for arsenic in AW-1, AW-2, MW-12, MW-13, MW-16, MW-17, MW-24, MW-30, MW-32, MW-34, and MW-106A; for cobalt in MW-106A; and for thallium in AW-2. While compliance with the GWPS was not achieved, statistically significant decreasing trends were identified for arsenic in AW-1, MW-12, MW-17, MW-24, MW-30, and MW-34. Note that the Fall 2026 statistical evaluation no longer identified a statistically significant decreasing trend for thallium in AW-2.

• Compliance with the GWPS was achieved for thallium in MW-20 and cobalt in MW-105A starting with the Fall 2024 statistical evaluation and remained through the Fall 2026 statistical evaluation. In accordance with 567 IAC 101.110(9)e(2), cobalt in MW-105A will return to an assessment constituent in 2027. While thallium in MW-20 is eligible to return to an assessment constituent, professional judgment was used to retain thallium at MW-20 in corrective action. The most recent result exceeded the GWPS, the upper confidence limit remains only slightly below the GWPS, and concentrations have fluctuated around the decreasing trend line. Therefore, additional data is appropriate to provide greater confidence that compliance with the GWPS will be maintained before thallium at MW-20 exits corrective action.

• In addition, compliance with the GWPS was newly achieved for vinyl chloride in MW-34 in Fall 2026. In accordance with 567 IAC 101.110(9)e(2), vinyl chloride in MW-34 will return to an assessment constituent in 2030 if the constituent/well pair remains below the GWPS in the interim statistical evaluations.

• For the corrective action constituents in the deeper bedrock corrective action and delineation monitoring locations, SSLs over the GWPS remained for arsenic in CRL-9, MW-14, MW-22, MW-33, MW-36, and MW-109B; for cobalt in AW-6, CRL-9, MW-22, MW-105B, and MW-109B; and for thallium in MW-109B. While compliance with the GWPS was not achieved, statistically significant decreasing trends were identified for arsenic and cobalt in MW-109B. Note that the Fall 2026 statistical evaluation no longer identified a statistically significant decreasing trend for 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 Fall 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

Foth

N

0 250 500 Feet

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.

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

Path: Q:\Cedar Rapids Linn Co SWA IA\25C051.00\GIS\mxd\Site 1 2025 AWQR\Figure 1 - HMSP Monitoring Network.mxd Date: 1/8/2026