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June 3, 2025

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

RE: Spring 2025 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 2025 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 2025 monitoring event will be submitted with the 2025 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 March 2025, 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 2025 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. In addition, MW-33 will be resampled for lead prior to the next semiannual event since the

March 2025 result was rejected during data validation. Further details will be included in the data validation report, which will be submitted in Appendix B of the 2025 AWQR.

The groundwater monitoring locations are depicted in Figure 1 of Attachment 2. Low-flow or no-purge sampling was continued during the March 2025 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 2025 AWQR.

3. Appendix II Detections

The Appendix II constituents detected in the groundwater monitoring wells under the corrective action monitoring program during the March 2025 sampling event are presented in Tables 2 and 3 of Attachment 1.

4. Groundwater Assessment, 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), 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. #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. #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. #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



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cc: Garrett Prestegard, Cedar Rapids Linn County Solid Waste Agency
Karmin McShane, Cedar Rapids Linn County Solid Waste Agency
IDNR Field Office #1
Foth Project File

Enclosures

Attachment 1: Tables
Attachment 2: Figure

Attachment 1
Tables

Table 1
Monitoring Program Implementation Schedule
Spring 2025 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	
		Mar. 2025	Summer 2025	Fall 2025	Spring 2026	Previously Collected	Next Event
Upper Bedrock Monitoring Locations							
Downgradient Monitoring Locations							
AW-1	Corrective Action			Full Appendix II, TSS		Aug. 2008, Mar. 2009, Sep. 2010, Sep. 2015, Aug. 2020	Fall 2025
AW-2	Corrective Action			Full Appendix II, TSS		Aug. 2008, Mar. 2009, Sep. 2010, Sep. 2015, Aug. 2020	Fall 2025
AW-3	Assessment			Full Appendix II, TSS		Aug. 2008, Mar. 2009, Sep. 2010, Mar. 2016, Jun. 2016, Aug. 2020	Fall 2025
AW-4	Assessment			Full Appendix II, TSS		Aug. 2008, Mar. 2009, Mar. 2016, Jun. 2016, Aug. 2020	Fall 2025
AW-5	Assessment			Full Appendix II, TSS		Aug. 2008, Mar. 2009, Sep. 2015, Aug. 2020	Fall 2025
MW-12	Corrective Action	Appendix II, TSS		Full Appendix II, TSS	Appendix II, TSS	Aug. 2008, Mar. 2009, Sep. 2010, Sep. 2015, Aug. 2020	Fall 2025
MW-13	Corrective Action	Appendix II, TSS		Full Appendix II, TSS	Appendix II, TSS	Aug. 2008, Mar. 2009, Sep. 2010, Sep. 2015, Aug. 2020	Fall 2025
MW-16	Corrective Action	Appendix II, TSS		Full Appendix II, TSS	Appendix II, TSS	Aug. 2008, Mar. 2009, Sep. 2010, Sep. 2015, Aug. 2020	Fall 2025
MW-17	Corrective Action	Appendix II, TSS		Full Appendix II, TSS	Appendix II, TSS	Aug. 2008, Mar. 2009, Sep. 2010, Sep. 2015, Aug. 2020	Fall 2025
MW-20	Corrective Action			Full Appendix II, TSS		Aug. 2008, Mar. 2009, Sep. 2015, Aug. 2020	Fall 2025
MW-21	Assessment			Full Appendix II, TSS		Aug. 2008, Mar. 2009, Sep. 2010, Sep. 2015, Aug. 2020	Fall 2025
MW-23	Assessment			Full Appendix II, TSS		Aug. 2008, Mar. 2009, Sep. 2010, Sep. 2015, Aug. 2020	Fall 2025
MW-24	Corrective Action			Full Appendix II, TSS		Aug. 2008, Mar. 2009, Sep. 2010, Sep. 2015, Aug. 2020	Fall 2025
MW-26	Assessment			Appendix II, TSS		Aug. 2008, Mar. 2009, Sep. 2010, Sep. 2015, Aug. 2020, Jan. 2023, Mar. 2023	Fall 2028
MW-28	Assessment			Full Appendix II, TSS		Aug. 2008, Mar. 2009, Sep. 2015, Aug. 2020	Fall 2025
MW-30	Corrective Action			Full Appendix II, TSS		Aug. 2008, Mar. 2009, Sep. 2010, Sep. 2015, Aug. 2020	Fall 2025
MW-32	Corrective Action	Appendix II, TSS		Full Appendix II, TSS	Appendix II, TSS	Aug. 2008, Mar. 2009, Sep. 2010, Sep. 2015, Aug. 2020	Fall 2025
MW-34	Corrective Action			Full Appendix II, TSS		Aug. 2008, Mar. 2009, Sep. 2010, Sep. 2015, Aug. 2020	Fall 2025

Table 1
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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	
		Mar. 2025	Summer 2025	Fall 2025	Spring 2026	Previously Collected	Next Event
Upper Bedrock Monitoring Locations Continued							
Downgradient Monitoring Locations							
MW-35	Assessment ⁽³⁾			Full Appendix II, TSS		Aug. 2008, Mar. 2009, Sep. 2010, Sep. 2015, Aug. 2020	Fall 2025
VP-3	Assessment			Full Appendix II, TSS		Aug. 2008, Mar. 2009, Sep. 2015, Aug. 2020	Fall 2025
VP-4	Assessment			Full Appendix II, TSS		Aug. 2008, Mar. 2009, Jul. 2019, Sep. 2009, Sep. 2015, Aug. 2020	Fall 2025
Background Monitoring Locations							
MW-37	Background	Appendix II, TSS		Full Appendix II, TSS	Appendix II, TSS	Aug. 2008, Mar. 2009, Sep. 2015, Sep. 2015, Mar. 2016, Aug. 2020	Fall 2025
MW-101A	Background	Appendix II, TSS		Full Appendix II, TSS	Appendix II, TSS	Oct. 2015, Mar. 2016, Aug. 2020	Fall 2025
Delineation Monitoring Locations							
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
Deeper Bedrock Monitoring Locations							
Downgradient Monitoring Locations							
AW-6	Corrective Action			Full Appendix II, TSS		Aug. 2008, Mar. 2009, Sep. 2010, Sep. 2015, Aug. 2020	Fall 2025
CRL-9	Corrective Action			Full Appendix II, TSS		Aug. 2008, Mar. 2009, Sep. 2010, Sep. 2015, Aug. 2020	Fall 2025
MW-11	Assessment			Full Appendix II, TSS		Aug. 2008, Mar. 2009, Sep. 2010, Sep. 2015, Aug. 2020	Fall 2025
MW-14	Corrective Action	Appendix II, TSS		Full Appendix II, TSS	Appendix II, TSS	Aug. 2008, Mar. 2009, Sep. 2010, Sept. 2015, Aug. 2020	Fall 2025
MW-15	Assessment			Full Appendix II, TSS		Aug. 2008, Mar. 2009, Jun. 2016, Aug. 2016, Aug. 2020	Fall 2025
MW-18	Assessment			Full Appendix II, TSS		Aug. 2008, Mar. 2009, Jul. 2015, Sep. 2015, Aug. 2020	Fall 2025
MW-19	Assessment			Full Appendix II, TSS		Aug. 2008, Mar. 2009, Jul. 2015, Sep. 2015, Aug. 2020	Fall 2025
MW-22	Corrective Action			Full Appendix II, TSS		Aug. 2008, Mar. 2009, Sep. 2010, Sep. 2015, Aug. 2020	Fall 2025

Table 1
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Spring 2025 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	
		Mar. 2025	Summer 2025	Fall 2025	Spring 2026	Previously Collected	Next Event
Deeper Bedrock Monitoring Locations Continued							
Downgradient Monitoring Locations							
MW-25	Assessment			Full Appendix II, TSS		Aug. 2008, Mar. 2009, Sep. 2015, Aug. 2020	Fall 2025
MW-31	Detection			Appendix I, TSS		Aug. 2008, Mar. 2009	N/A - Detection
MW-33	Corrective Action	Appendix II, TSS	Lead, TSS ⁽⁴⁾	Full Appendix II, TSS	Appendix II, TSS	Aug. 2008, Mar. 2009, Sep. 2010, Sep. 2015, Aug. 2020	Fall 2025
MW-36	Corrective Action			Full Appendix II, TSS		Aug. 2008, Mar. 2009, Sep. 2010, Sep. 2015, Aug. 2020	Fall 2025
Background Monitoring Locations							
MW-38	Background	Appendix II, TSS		Full Appendix II, TSS	Appendix II, TSS	Aug. 2008, Mar. 2009, Sep. 2010, Sep. 2015, Mar. 2016, Aug. 2016, Aug. 2020	Fall 2025
MW-101B	Background	Appendix II, TSS		Full Appendix II, TSS	Appendix II, TSS	Sep. 2015, Mar. 2016, Sep. 2016, Aug. 2020	Fall 2025
Delineation Monitoring Locations							
MW-102B	Delineation			Appendix I, TSS		N/A - Delineation Monitoring	N/A
MW-104B	Delineation			Arsenic, TSS ⁽⁵⁾		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 ⁽⁶⁾		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. 2025, 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 2025 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. 2025. Except for MW-26, the five-year resampling of the full Appendix II list will be conducted at assessment, corrective action, and background monitoring wells in Fall 2025 in accordance with Permit Amendment #6. In Fall 2025, MW-26 will be sampled for the Appendix I and detected Appendix II constituents. Resampling for the full Appendix II list is scheduled for Fall 2028 at MW-26.

⁽³⁾ In accordance with 567 IAC 113.10(9)e(2), cobalt in MW-35 returned as an assessment constituent in 2025 since compliance with the GWPS was maintained for three consecutive years. Since cobalt was the only corrective action constituent in MW-35, MW-35 returned to an assessment monitoring location in 2025.

Table 1
Monitoring Program Implementation Schedule
Spring 2025 Statistical Notifications
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Comments Continued:

⁽⁴⁾ As further detailed in the data validation report, which will be submitted in Appendix B of the 2025 Annual Water Quality Report (AWQR), the Mar. 2025 lead results for MW-33, MW-38, and MW-101 were rejected due to the associated field blank detection; therefore, resampling was recommended for lead at MW-33. Resampling was not recommended for MW-38 and MW-101B since they are background wells. While ongoing background monitoring is helpful to evaluate for potential changes in background conditions, a sufficient background data set has been established for lead in the deeper bedrock monitoring network.

⁽⁵⁾ 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).

⁽⁶⁾ 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 2025 Appendix II Detections - Upper Bedrock Corrective Action Monitoring Locations
Spring 2025 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	2.89	0.83 J	0.959 J				
1,2-Dichlorobenzene	ug/L	0.988 J	2.25	0.906 J		0.561 J		
1,4-Dichlorobenzene	ug/L	2.47	14.5	4.52		2.63		
2-Butanone	ug/L	3.2 J						
Antimony	mg/L	0.00132 J						
Arsenic	mg/L	0.0405	0.0411	0.0973	0.0532	0.409		
Barium	mg/L	0.851	0.846	0.112	0.103	0.748	0.0605	0.122
Benzene	ug/L		2.9	0.254 J		0.245 J		
bis(2-Ethylhexyl)phthalate	ug/L				9.09 J			
Chlorobenzene	ug/L	2.56	3.72	1.64		4.74		
Chloroethane	ug/L		2.73 J					
cis-1,2-Dichloroethene	ug/L	3.69		0.387 J				
Cobalt	mg/L	0.00177	0.00178	0.000832	0.0072	0.00549	0.000202 J	0.00138
Nickel	mg/L	0.0118	0.0119	0.0391	0.0105	0.0847		0.00277 J
Selenium	mg/L							0.00318 J
Toluene	ug/L			0.589 J				
Total Suspended Solids	mg/L	16.5	110	73	68	80		3.75
Vanadium	mg/L	0.00227 J	0.00225 J			0.00173 J		
Vinyl Chloride	ug/L	0.454 J						
Zinc	mg/L			0.0227				

(d) = downgradient

(b) = background

Table 3
March 2025 Appendix II Detections - Deeper Bedrock Corrective Action Monitoring Locations
Spring 2025 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	1.05			
1,2-Dichlorobenzene	ug/L	1.33			
1,4-Dichlorobenzene	ug/L	7.62	1.03		
Arsenic	mg/L	0.0112	0.0456	0.00102 J	0.000536 J
Barium	mg/L	0.539	0.615	0.0456	0.118
Benzene	ug/L	0.755			
Chlorobenzene	ug/L	1.85	5.62		
Chloroethane	ug/L	1.28 J			
cis-1,2-Dichloroethene	ug/L	0.369 J			
Cobalt	mg/L	0.000538	0.0013		0.000246 J
Lead	mg/L		0.000755 R	0.000525 R	0.000672 R
Nickel	mg/L	0.0138	0.00696		
Selenium	mg/L				0.00215 J
Tin	mg/L				0.00552
Total Suspended Solids	mg/L	32	14.8		
Zinc	mg/L	0.197			

(d) = downgradient

(b) = background

Table 4
Summary of Ongoing and Newly Identified SSIs
Spring 2025 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									
Corrective Action Monitoring Locations - Assessment Constituents									
MW-12	1,1-Dichloroethane	ug/L	2.89	1.00	12.2	140	Spring 2010	N/S	Mar. 2010
	1,4-Dichlorobenzene	ug/L	2.47	1.00	2.2	75	Fall 2009	N/S	Mar. 2010
	Barium	mg/L	0.851	0.1354	0.16	2	Fall 2011	N/S	Mar. 2010
	Chlorobenzene	ug/L	2.56	1.00	2.6	100	Fall 2009	N/S	Mar. 2010
	cis-1,2-Dichloroethene	ug/L	3.69	1.00	4.2	70	Fall 2009	N/S	Mar. 2010
MW-13	1,2-Dichlorobenzene	ug/L	2.25	1.00	2.2	600	Fall 2010	N/S	Mar. 2010
	1,4-Dichlorobenzene	ug/L	14.5	1.00	12.1	75	Fall 2009	N/S	Mar. 2010
	Barium	mg/L	0.846	0.1354	0.57	2	Fall 2011	N/S	Mar. 2010
	Benzene	ug/L	2.9	0.500	3.84	5	Fall 2009	N/S	Mar. 2010
	Chlorobenzene	ug/L	3.72	1.00	4.2	100	Fall 2009	N/S	Mar. 2010
MW-16	1,4-Dichlorobenzene	ug/L	4.52	1.00	2.4	75	Fall 2010	N/S	Mar. 2010
	Chlorobenzene	ug/L	1.64	1.00	1.4	100	Fall 2010	N/S	Mar. 2010
MW-17	No SSIs								
MW-32	1,4-Dichlorobenzene	ug/L	2.63	1.00	3.3	75	Fall 2009	N/S	Mar. 2010
	Barium	mg/L	0.748	0.1354	0.75	2	Fall 2011	N/S	Mar. 2010
	Chlorobenzene	ug/L	4.74	1.00	8.8	100	Fall 2009	N/S	Mar. 2010
	Nickel	mg/L	0.0847	0.0522	0.019	0.1	Spring 2015	N/S	Mar. 2010
Deeper Bedrock Monitoring Locations									
Corrective Action Monitoring Locations - Assessment Constituents									
MW-14	1,1-Dichloroethane	ug/L	1.05	1.00	1.7	140	Fall 2010	N/S	Mar. 2010
	1,2-Dichlorobenzene	ug/L	1.33	1.00	1.2	600	Fall 2011	N/S	Mar. 2010
	1,4-Dichlorobenzene	ug/L	7.62	1.00	5.2	75	Spring 2011	N/S	Mar. 2010
	Barium	mg/L	0.539	0.138	0.17	2	Fall 2011	N/S	Mar. 2010
	Benzene	ug/L	0.755	0.500	2.19	5	Fall 2009	N/S	Mar. 2010
	Chlorobenzene	ug/L	1.85	1.00	2.7	100	Fall 2010	N/S	Mar. 2010
	Nickel	mg/L	0.0138	0.00735	0.014	0.1	Fall 2009	N/S	Mar. 2010
	Zinc	mg/L	0.197	0.0366	0.01	2	Fall 2010	N/S	Mar. 2010
MW-33	1,4-Dichlorobenzene	ug/L	1.03	1.00	0.5	75	Fall 2023	N/S	Mar. 2010
	Barium	mg/L	0.615	0.138	0.45	2	Fall 2011	N/S	Mar. 2010
	Chlorobenzene	ug/L	5.62	1.00	3.6	100	Fall 2009	N/S	Mar. 2010
	Cobalt	mg/L	0.0013	0.0008513	0.0012	0.0021	Fall 2016	N/S	Mar. 2010

Table 4
Summary of Ongoing and Newly Identified SSIs
Spring 2025 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									
Delineation Monitoring Locations - Assessment Constituents									
MW-109B	1,4-Dichlorobenzene	ug/L	1.72	1.00	1.1	75	Nov. 2017	Mar. 2018	Nov. 2018
	Barium	mg/L	0.613	0.138	0.66	2	Nov. 2017	Mar. 2018	Nov. 2018
	Chlorobenzene	ug/L	7.21	1.00	6.5	100	Nov. 2017	Mar. 2018	Nov. 2018
	Nickel	mg/L	0.0315	0.00735	0.035	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:

N/A = Not applicable.

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

GWPS = Groundwater Protection Standard

⁽¹⁾ List contains constituents which have been identified as SSIs in Spring 2025. 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. 2025

⁽³⁾ Source of background standards and GWPS values are provided in the Spring 2025 statistical evaluation memo, which will be submitted with the 2025 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 2025 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 2025 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 2025 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									
MW-12	Arsenic	mg/L	0.0405	0.1274	0.01	Fall 2010	N/A	N/A	N/A
MW-13	Arsenic	mg/L	0.0411	0.0542	0.01	Fall 2010	N/A	N/A	N/A
MW-16	Arsenic	mg/L	0.0973	0.1286	0.01	Fall 2011	N/A	N/A	N/A
MW-17	Arsenic	mg/L	0.0532	0.0650	0.01	Fall 2010	N/A	N/A	N/A
MW-32	Arsenic	mg/L	0.409	0.0889	0.01	Fall 2011	N/A	N/A	N/A
Deeper Bedrock Monitoring Locations									
Corrective Action Monitoring Locations									
MW-14	Arsenic	mg/L	0.0112	0.0253	0.01	Fall 2011	N/A	N/A	N/A
MW-33	Arsenic	mg/L	0.0456	0.0388	0.01	Fall 2011	N/A	N/A	N/A
Delineation Monitoring Locations									
MW-109B	Arsenic	mg/L	0.0165	0.0202	0.01	Winter 2018	N/A	N/A	N/A
	Cobalt	mg/L	0.0157	0.0178	0.0021	Fall 2018	N/A	N/A	N/A
	Thallium	mg/L	0.00382	0.00464	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

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).

⁽¹⁾ The most recent results are from the Mar. 2025 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 2025 statistical evaluation memo, which will be submitted with the 2025 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 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 2025 statistical evaluation.

Attachment 2
Figure

