

April 20, 2026

Ms. Alexis Slade, Environmental Engineer
Iowa Department of Natural Resources
6200 Park Avenue, Suite 200
Des Moines, Iowa 50321



**RE: 2026 Spring Semi-Annual Water Quality Notification
Boone County Sanitary Landfill 08-SDP-01-75P**

Dear Ms. Slade:

HMSP

At the Boone County Sanitary Landfill, the following monitoring wells are the upgradient/background wells for the facility: MW88-2, MW-91-8, MW98-28, MW02-15A, and MW02-30A.

The following downgradient monitoring points remain in the detection monitoring system: MW88-3, MW91-10, MW94-18, MW96-23, MW96-24, MW09-40, MW21-43, GWD-1, and GU-4.

The following downgradient wells are in the assessment monitoring system: MW96-21.

The following downgradient monitoring points are in the corrective action monitoring system: MW98-25, MW06-37, MW06-38, and MW06-39.

Notification of Results of Spring Sampling, Analysis, and Statistical Evaluation

Wells in the Detection Monitoring System

Prediction Limit exceedances **for inorganic** compounds:
None.

Prediction Limit exceedances **for VOC** include:
None.

Wells in the Assessment Monitoring System

Prediction Limit exceedances **for inorganic** compounds:
None.

Prediction Limit exceedances **for VOC** include:
None.

Historic Appendix II Compound Detections in Assessment Monitoring Points:

Full Appendix II sample collection events are highlighted in green in Assessment Monitoring Well MW96-21.

MW96-21 (green highlights indicate full Appendix II sample analyses were performed)

Date	dichlorodifluoromethane ug/L	bis(2-ethylhexyl)phthalate ug/L	beta (BHC) ug/L	VOC ug/L
9/19/2017	<1.0	<6	<0.05	<1.0
3/8/2018	NT	NT	NT	<1.0
9/24/2018	<1.0	<6	<0.05	<1.0
3/25/2019	NT	NT	NT	<1.0
9/3/2019	NT	NT	NT	<1.0
3/26/2020	NT	NT	NT	<1.0
9/4/2020	NT	NT	NT	<1.0
3/6/2021	NT	NT	NT	<1.0
9/7/2021	NT	NT	NT	<1.0
3/28/2022	NT	NT	NT	<1.0
9/14/2022	NT	NT	NT	<1.0
3/20/2023	NT	NT	NT	<1.0
9/12/2023	<1.0	<6	<0.05	<1.0
3/12/2024	<1.0	<6	<0.05	<1.0
9/30/2024	NT	NT	NT	<1.0
3/24/2025	NT	NT	NT	<1.0
9/9/2025	NT	NT	NT	<1.0
3/23/2026	NT	NT	NT	<1.0

NT = Not Tested

VOC = Appendix I volatile organic compounds

Current Appendix II Compound Detections in Assessment Monitoring Points:

None.

Wells in the Corrective Action Monitoring System

Prediction Limit exceedances **for inorganic** compounds:

MW98-25 – cobalt, nickel

Prediction Limit exceedances (detections above MRL) **for VOC** include:

MW98-25 – 1,1-dichloroethane, 1,4-dichlorobenzene, chlorobenzene, chloroethane, cis-1,2-dichloroethene

Historic Appendix II Compound Detections in Corrective Action Monitoring Points:

Detection of compounds beyond the Appendix I list are summarized below for the Corrective Action monitoring points. Full Appendix II sample collection events are highlighted in green. Note, there is no requirement in rule for on-going sampling of the full Appendix II sample list at MW-37, MW-38, or MW-39. Ongoing Appendix II sampling is only required at point of compliance well MW98-25 (next event is scheduled in September 2027).

MW98-25

Date	dichlorodifluoromethane ug/L	bis(2- ethylhexyl)phthalate ug/L	beta (BHC) ug/L	VOC (yes/ND)
3/17/2008	NT	NT	NT	yes
6/4/2008	NT	NT	NT	yes
7/22/2008	6.2	<6.0	<0.05	yes
9/12/2008	2.6	<6.0	0.14	yes
12/11/2008	<1.0	13.0	<0.05	yes
3/4/2009	21.6	<6.0	<0.05	yes
9/21/2009	16.6	<6.0	<0.05	yes
3/25/2010	34.6	<6.0	<0.05	yes
9/25/2010	28.2	<6.0	<0.05	yes
3/30/2011	32.0	<6.0	<0.05	yes
9/15/2011	12.6	<6.0	<0.05	yes
3/7/2012	34.5	<6.0	<0.05	yes
9/12/2012	4.2	<6.0	<0.05	yes
3/20/2013	13.0	<6.0	<0.05	yes
9/27/2013	1.3	10.0	<0.05	yes
3/14/2014	1.5	<6.0	0.07	yes
9/19/2014	24.3	<6.0	<0.05	yes
3/17/2015	ND	<6.0	<0.05	yes
9/11/2015	14.7	<6.0	<0.05	yes
3/16/2016	ND	<6.0	<0.05	yes
9/8/2016	6.6	<6.0	<0.05	yes
3/18/2017	18.8	<6.0	<0.05	yes
9/19/2017	6.9	6.0	<0.05	yes
3/8/2018	38.4	NT	NT	yes
9/24/2018	1.6	NT	NT	yes
3/25/2019	3.8	NT	NT	yes
9/3/2019	<1.0	NT	NT	ND
3/26/2020	19.4	NT	NT	yes
9/4/2020	19.4	NT	NT	yes
3/6/2021	8.6	NT	NT	yes
9/7/2021	4.8	NT	NT	yes
3/28/2022	1.7	NT	NT	yes
9/14/2022	<1.0	<6.0	<0.05	ND
3/20/2023	3.3	NT	NT	yes
9/12/2023	2.1	NT	NT	yes
3/12/2024	<1.0	NT	NT	yes
9/30/2024	<1.0	NT	NT	yes
3/24/2025	2.0	NT	NT	yes
9/9/2025	NT	NT	NT	yes
3/23/2026	NT	NT	NT	yes

NT = Not Tested

ND = Non-Detected

VOC = Appendix I volatile organic compounds

MW06-37 and MW06-38 and MW06-39

Date	dichlorodifluoromethane ug/L	bis(2- ethylhexyl)phthalate ug/L	beta (BHC) ug/L	VOC (yes/ND)
3/17/2008	NT	NT	NT	ND
6/4/2008	NT	NT	NT	ND
7/22/2008	<1	<6	<0.05	ND
9/12/2008	<1	<6	<0.05	ND
12/11/2008	<1	<6	<0.05	ND
3/4/2009	NT	NT	NT	ND
9/21/2009	NT	NT	NT	ND
3/25/2010	NT	NT	NT	ND
9/25/2010	NT	NT	NT	ND
3/30/2011	NT	NT	NT	ND
9/15/2011	NT	NT	NT	ND
3/7/2012	NT	NT	NT	ND
9/12/2012	NT	NT	NT	ND
3/20/2013	NT	NT	NT	ND
9/27/2013	NT	NT	NT	ND
3/14/2014	NT	NT	NT	ND
9/19/2014	NT	NT	NT	ND
3/17/2015	NT	NT	NT	ND
9/11/2015	NT	NT	NT	ND
3/16/2016	NT	NT	NT	ND
9/8/2016	NT	NT	NT	ND
3/17/2017	NT	NT	NT	ND
9/19/2017	NT	NT	NT	ND
3/8/2018	NT	NT	NT	ND
9/24/2018	NT	NT	NT	ND
3/25/2019	NT	NT	NT	ND
9/3/2019	NT	NT	NT	ND
3/26/2020	NT	NT	NT	ND
9/4/2020	NT	NT	NT	ND
3/6/2021	NT	NT	NT	ND
9/7/2021	NT	NT	NT	ND
3/28/2022	NT	NT	NT	ND
9/14/2022	NT	NT	NT	ND
3/20/2023	NT	NT	NT	ND
9/12/2023	NT	NT	NT	ND
3/12/2024	NT	NT	NT	ND
9/30/2024	NT	NT	NT	ND
3/24/2025	NT	NT	NT	ND
9/9/2025	NT	NT	NT	ND
3/23/2026	NT	NT	NT	ND

NT = Not Tested

ND = Non-Detected

VOC = Appendix I volatile organic compounds

Current Appendix II Compound Detections in Corrective Action Monitoring Points:

None.

The following **SSL** are recorded:

MW98-25 – cobalt (95% LCL = 9.074 ug/L, greater than the 7.0 ug/L site-specific GWPS).

Wells returning to detection monitoring:

None.

This notification is intended to satisfy requirements of Iowa Administrative Code (IAC) 567-113.10(5)"c"(1); 113.10(6)"d"(1); and 113.10(6)"g".

The water quality results for the Spring of 2026 will be fully evaluated in the Annual Water Quality Report in accordance with IAC 567-113.10(10).

Please feel free to contact our office at (515) 733-4144 with any questions you may have.

Sincerely,

HLW Engineering Group



Todd Whipple, CPG
Project Manager

cc: *John Roosa, Administrator*

GROUND WATER STATISTICS

FOR THE

BOONE COUNTY SANITARY LANDFILL

First Semi-Annual Monitoring Event in 2026

Prepared for:
Boone County Landfill Administration
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Boone, Boone County, IA

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April 2026
