

March 20, 2026

Mr. Michael Smith, P.E.  
Land Quality Bureau  
Iowa Department of Natural Resources  
6200 Park Avenue, Suite 200  
Des Moines, Iowa 50321



**RE: 2026 Spring Water Quality Notification Letter  
Delaware County Sanitary Landfill 28-SDP-01-74C**

Dear Mr. Smith:

**HMSP**

At the Delaware County Sanitary Landfill, the following monitoring wells are the upgradient/background wells for the facility: MW-11 and MW-20.

The following monitoring points remain in the detection monitoring system: MW-11 and MW-20.

The following wells are in the assessment monitoring system: MW-5, MW-6, MW-7, MW-8, MW-21, MW-23, MW-24, and MW-25.

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

**Detection Monitoring System**

None

**Assessment Monitoring System**

Verified **inorganic compound** detections that exceed the Prediction Limit:

MW-5 – barium, nickel  
MW-6 - none  
MW-7 - barium  
MW-8 – arsenic, barium, cadmium, cobalt, nickel  
MW-21 - barium  
MW-23 - none  
MW-24 – none  
MW-25 - barium

Verified **VOC** detections that exceed the Prediction Limit:

- MW-5 – none
- MW-6 – none
- MW-7 – none
- MW-8 – cis-1,2-dichloroethene
- MW-21 - 1,1-dichloroethane
- MW-23 - tetrachloroethene
- MW-24 - none
- MW-25- none

**Historic Appendix II Compound Detections (green highlights indicate full Appendix II sample events)**

*Bis(2-ethylhexyl) phthalate detections (ug/L)*

Date	MW-5	MW-6	MW-7	MW-8	MW-21	MW-23	MW-24	MW-25
3/14/2011	NT	24.0	<8	NT	NT	NT	NT	NT
3/15/2012	NT	<10	NT	NT	NT	NT	NT	NT
4/3/2013	<8	NT	NT	<12.0	NT	<8.0	NT	NT
9/11/2013	NT	10.0	NT	NT	<8	NT	NT	NT
4/11/2014	<8	<10	NT	<8	<8	9.0	NT	NT
9/22/2014	NT	<10	NT	NT	NT	<10	NT	NT
4/21/2015	NT	<10	NT	NT	NT	<10	NT	NT
9/8/2015	NT	<10	NT	NT	NT	NT	NT	NT
2/25/2016	NT	<8	NT	NT	NT	<10	NT	NT
9/6/2016	NT	12.0	NT	NT	NT	<10	NT	NT
3/6/2017	NT	<8	NT	NT	NT	<10	NT	NT
6/15/2017	NT	NT	NT	NT	NT	NT	7.0	NT
9/5/2017	NT	<6	NT	NT	NT	<6	NT	NT
3/2/2018	NT	<6	<6	NT	NT	<6	<6	NT
9/4/2018	NT	NT	NT	NT	NT	NT	NT	NT
3/27/2019	76.0	NT	NT	42.0	NT	64.0	NT	NT
9/7/2019	NT	NT	NT	NT	NT	NT	NT	NT
3/30/2020	NT	NT	NT	NT	NT	NT	NT	NT
9/1/2020	NT	NT	NT	NT	NT	NT	NT	6.0
3/3/2021	NT	NT	NT	NT	NT	NT	NT	NT
9/10/2021	NT	NT	NT	NT	NT	NT	NT	9.0
3/4/2022	NT	<6	NT	NT	NT	NT	NT	<6
9/2/2022	NT	NT	NT	NT	NT	NT	NT	<6
3/21/2023	NT	NT	<6	NT	NT	NT	<6	<6
9/26/2023	NT	NT	NT	NT	NT	NT	NT	NT
3/1/2024	13.0	NT	NT	21.0	<6	<6	NT	NT
9/11/2024	<6	NT	NT	<6	NT	NT	NT	NT
3/17/2025	NT	NT	NT	NT	NT	NT	NT	NT
9/17/2025	NT	NT	NT	NT	NT	NT	NT	NT
3/2/2026	NT	NT	NT	NT	NT	NT	NT	NT

**Dichlorodifluoromethane detections (ug/L)**

Date	MW-5	MW-6	MW-7	MW-8	MW-21	MW-23	MW-24	MW-25
3/20/2009	<1.0	NT	<1.0	1.8	<1.0	<1.0	NT	NT
6/15/2009	NT	NT	NT	<1.0	NT	NT	NT	NT
7/13/2009	NT	NT	NT	2.5	NT	NT	NT	NT
9/2/2009	NT	NT	NT	2.2	NT	NT	NT	NT
3/24/2010	NT	NT	NT	1.4	NT	NT	NT	NT
6/10/2010	NT	NT	NT	<1.0	NT	NT	NT	NT
9/16/2010	NT	NT	NT	<1.0	NT	NT	NT	NT
10/20/2010	NT	NT	NT	2.2	NT	NT	NT	NT
3/14/2011	NT	<1.0	<1.0	3.0	NT	NT	NT	NT
9/12/2011	NT	NT	NT	<1.0	NT	NT	NT	NT
3/15/2012	NT	NT	NT	1.7	NT	NT	NT	NT
4/3/2013	<1.0	NT	NT	1.1	NT	<1.0	NT	NT
9/11/2013	NT	NT	NT	1.3	2.2	NT	NT	NT
4/11/2014	<1.0	NT	NT	1.1	<1.0	<1.0	NT	NT
9/22/2014	NT	NT	NT	1.3	NT	NT	NT	NT
4/21/2015	NT	NT	NT	1.6	NT	NT	NT	NT
9/8/2015	NT	NT	NT	<1.0	NT	NT	NT	NT
2/25/2016	NT	<1.0	NT	<1.0	NT	NT	NT	NT
9/6/2016	NT	NT	NT	<1.0	2.8	NT	NT	NT
3/6/2017	NT	<1.0	NT	<1.0	1.3	NT	NT	NT
6/15/2017	NT	NT	NT	NT	NT	NT	<1.0	NT
9/5/2017	NT	NT	NT	<1.0	1.2	NT	NT	NT
3/2/2018	NT	NT	<1.0	<1.0	3.1	NT	<1.0	NT
9/4/2018	NT	NT	NT	NT	NT	NT	NT	NT
3/27/2019	<1.0	NT	NT	<1.0	NT	<1.0	NT	NT
9/7/2019	NT	NT	NT	NT	NT	NT	NT	NT
3/30/2020	NT	NT	NT	NT	NT	NT	NT	NT
9/1/2020	NT	NT	NT	NT	NT	NT	NT	<1.0
3/3/2021	NT	NT	NT	NT	NT	NT	NT	NT
9/10/2021	NT	NT	NT	NT	NT	NT	NT	<1.0
3/4/2022	NT	<1.0	NT	NT	NT	NT	NT	NT
9/2/2022	NT	NT	NT	NT	NT	NT	NT	NT
3/21/2023	NT	NT	<1.0	NT	NT	NT	<1.0	NT
9/26/2023	NT	NT	NT	NT	NT	NT	NT	NT
3/1/2024	<1.0	NT	NT	<1.0	2.0	<1.0	NT	NT
9/11/2024	NT	NT	NT	NT	<1.0	NT	NT	NT
3/17/2025	NT	NT	NT	NT	NT	NT	NT	NT
9/17/2025	NT	NT	NT	NT	NT	NT	NT	NT
3/2/2026	NT	NT	NT	NT	NT	NT	NT	NT

**1,1-Dichloropropene (ug/L)**

Date	MW-5	MW-6	MW-7	MW-8	MW-21	MW-23	MW-24	MW-25
3/14/2011	NT	<1	<1	NT	NT	NT	NT	NT
3/15/2012	NT	NT	NT	NT	NT	NT	NT	NT
4/3/2013	<1	NT	NT	<1	NT	<1	NT	NT
9/11/2013	NT	NT	NT	NT	<1	NT	NT	NT
4/11/2014	<1	NT	NT	<1	<1	<1	NT	NT
9/22/2014	NT	NT	NT	NT	NT	NT	NT	NT
4/21/2015	NT	NT	NT	NT	NT	NT	NT	NT
9/8/2015	NT	NT	NT	NT	NT	NT	NT	NT
2/25/2016	NT	<1	NT	NT	NT	NT	NT	NT
9/6/2016	NT	NT	NT	NT	NT	NT	NT	NT
3/6/2017	NT	<1	NT	NT	NT	NT	NT	NT
6/15/2017	NT	NT	NT	NT	NT	NT	<1	NT
9/5/2017	NT	NT	NT	NT	NT	NT	NT	NT
3/2/2018	NT	NT	<1	NT	NT	NT	<1	NT
9/4/2018	NT	NT	NT	NT	NT	NT	NT	NT
3/27/2019	<1	NT	NT	<1	NT	<1	NT	NT
9/7/2019	NT	NT	NT	NT	NT	NT	NT	NT
3/30/2020	NT	NT	NT	NT	NT	NT	NT	NT
9/1/2020	NT	NT	NT	NT	NT	NT	NT	<1
3/3/2021	NT	NT	NT	NT	NT	NT	NT	NT
9/10/2021	NT	NT	NT	NT	NT	NT	NT	4.5
3/4/2022	NT	<1	NT	NT	NT	NT	NT	<1
9/2/2022	NT	NT	NT	NT	NT	NT	NT	<1
3/21/2023	NT	NT	<1	NT	NT	NT	<1	<1
9/26/2023	NT	NT	NT	NT	NT	NT	NT	NT
3/1/2024	<1	NT	NT	<1	<1	<1	NT	NT
9/11/2024	NT	NT	NT	NT	NT	NT	NT	NT
3/17/2025	NT	NT	NT	NT	NT	NT	NT	NT
9/17/2025	NT	NT	NT	NT	NT	NT	NT	NT
3/2/2026	NT	NT	NT	NT	NT	NT	NT	NT

**Current Appendix II Compound Detections**

None

**The following SSL are recorded**

MW-8 arsenic (12.146 ug/L 95% LCL) exceeds the Statewide GWPS of 10.0 ug/L.

MW-8 cobalt (7.283 ug/L 95% LCL) exceeds the Site-Specific GWPS of 2.2 ug/L.

MW-8 nickel (121.613 ug/L 95% LCL) exceeds the Statewide GWPS of 100.0 ug/L.

Corrective action responses related to MW-8 are temporarily suspended through the fall of 2027 as approved in the July 16, 2024 IDNR Letter (Doc #110483). Delineation and assessment activities in the vicinity of MW-8 are currently underway and will be reported prior to June 30, 2026.

**Wells returning to the detection monitoring system**

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 the permit and 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: Mr. Michael Schmitz, Chairman  
Ms. Erin Learn, Secretary/Treasurer

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**Results of the Ground Water Statistics  
for Delaware County Sanitary Landfill**

**First Semi-Annual Monitoring Event in 2026**

*Prepared for:*  
Delaware County Sanitary Landfill  
Delaware County, Iowa

*Prepared by:*  
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**March 2026**

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