

May 23, 2024

Mr. Brian L. Rath, P.E., Environmental Engineer Senior  
Land Quality Bureau  
Iowa Department of Natural Resources  
502 East 9<sup>th</sup> Street  
Des Moines, Iowa 50319-0034



**RE: 2024 Spring Water Quality Notification Letter  
Floyd-Mitchell-Chickasaw Counties Sanitary Landfill 66-SDP-01-73P  
Operating RCRA Subtitle D Landfill & Closed Landfill**

Dear Mr. Rath:

**HMSP**

At the Floyd-Mitchell-Chickasaw Counties Sanitary Landfill, MW-4, MW-5, MW-9 and MW-14 are the upgradient/background wells for both the Operating RCRA Subtitle D Landfill and for the Closed Landfill at the facility.

The following downgradient monitoring points remain in the detection monitoring system:

Operating Landfill - None

Closed Landfill – None

The following downgradient wells are in the assessment monitoring system:

Operating Landfill – MW-11, MW-12, MW-15, and MW-16

Closed Landfill – MW-2, MW-3, MW-6, and MW-7

There are no wells in the Corrective Action Monitoring System.

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

**Wells in the Detection Monitoring System**

Not Applicable

**Wells in the Assessment Monitoring System**

Verified *inorganic compound* concentrations that exceed the Prediction Limits:

***Operating Landfill***

MW-11 – none

MW-12 - none

MW-15 – none

MW-16 – none

***Closed Landfill***

MW-2 - none

MW-3 - none

MW-6 - none

MW-7 - none

Verified VOC concentrations that exceed the Prediction Limits:

**Operating Landfill**

- MW-11 - none
- MW-12 – none
- MW-15 – none
- MW-16 – none

**Closed Landfill**

- MW-2 – none
- MW-3 - none
- MW-6 - none
- MW-7 - none

**Historic Appendix II Compound Detections**

***Bis(2-ethylhexyl) phthalate detections (ug/L) (Green Highlights = Full Appendix II Samples)***

Date	MW-11	MW-12	MW-15	MW-16	MW-2	MW-3	MW-6	MW-7
10/21/2013	NT	NT	50.0	---	NT	NT	NT	NT
4/8/2014	<8	NT	<8	---	NT	NT	NT	NT
10/14/2014	<8	NT	<10	---	NT	NT	NT	NT
4/14/2015	NT	NT	11.0	---	NT	NT	NT	NT
9/22/2015	NT	NT	<10	---	NT	NT	NT	NT
4/12/2016	NT	NT	<10	---	NT	NT	NT	NT
10/11/2016	NT	NT	19.0	---	<8	NT	NT	NT
4/20/2017	NT	NT	<6	---	NT	NT	<6	<6
10/12/2017	NT	NT	15.0	---	35.0	NT	NT	NT
4/23/2018	NT	NT	<6	---	<6	NT	6.0	<6
7/5/2018	NT	NT	NT	---	NT	NT	8.0	NT
10/12/2018	NT	NT	6.0	---	<6	<6	<6	NT
4/16/2019	<6	16.0	7.0	---	<6	NT	<6	NT
10/17/2019	NT	<6	7.0	---	25.0	<6	10.0	NT
4/9/2020	NT	16.0	<6	NT	<6	NT	<6	NT
10/8/2020	NT	<6	<6	8.0	<6	NT	<6	NT
12/9/2020	NT	NT	NT	<6	NT	NT	NT	NT
4/15/2021	NT	<6	<6	NT	<6	NT	<6	NT
10/28/2021	NT	<6	<6	6.0	12.0	NT	<6	NT
4/13/2022	NT	<6	<6	lab error	11.0	NT	<6	NT
10/19/2022	NT	NT	NT	19.0	<6	NT	NT	NT
4/6/2023	NT	NT	NT	<6	NT	NT	7.0	<6
10/10/2023	NT	NT	NT	NT	NT	NT	<6	NT
4/11/2024	<6	NT	<6	NT	NT	NT	NT	NT

**Current Appendix II Compound Detections**

None

**Recorded SSL**

None.

**Corrective Action Monitoring System**

Not Applicable.

**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 2024 will be fully evaluated in the Annual Water Quality Report in accordance with the unnumbered permit amendments dated May 22, 2013, July 10, 2014, 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: *Christian Fox, FMC Director*  
*Lori King, FMC Manager*

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**GROUND WATER STATISTICS**

**FOR THE**

**FLOYD-MITCHELL-CHICKASAW COUNTIES**

**SANITARY LANDFILL**

**First Semi-Annual Monitoring Event in 2024**

Prepared for:  
**Floyd-Mitchell-Chickasaw Counties Solid Waste Management Agency**  
3354 330<sup>th</sup> Street  
Mitchell County, IA

Prepared by:  
Jeffrey A. Holmgren  
**Otter Creek Environmental Services, LLC**  
40W565 Foxwick Court  
Elgin, IL 60124  
(847) 464-1355

**May 2024**

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**GROUND WATER STATISTICS**

**FOR THE**

**FLOYD-MITCHELL-CHICKASAW COUNTIES**

**CLOSED SANITARY LANDFILL**

**First Semi-Annual Monitoring Event in 2024**

Prepared for:  
**Floyd-Mitchell-Chickasaw Counties Solid Waste Management Agency**  
3354 330<sup>th</sup> Street  
Mitchell County, IA

Prepared by:  
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