

July 11, 2025

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



**RE: 2025 Spring Water Quality Notification Letter
Floyd-Mitchell-Chickasaw Counties Sanitary Landfill 66-SDP-01-73P
Operating RCRA Subtitle D Landfill & Closed Landfill**

Dear Mr. Smith:

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 – cobalt, nickel

MW-6 - arsenic

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
10/17/2024	NT	NT	NT	NT	NT	<6	NT	NT
4/10/2025	NT	<6	NT	NT	NT	NT	NT	NT

Current Appendix II Compound Detections

None

HLW Engineering Group, 204 West Broad Street, P.O. Box 314, Story City, Iowa 50248
 (515) 733-4144  (515) 733-4146 Fax

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 2025 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

GROUND WATER STATISTICS
FOR THE
FLOYD-MITCHELL-CHICKASAW COUNTIES
SANITARY LANDFILL

First Semi-Annual Monitoring Event in 2025

Prepared for:
Floyd-Mitchell-Chickasaw Counties Solid Waste Management Agency
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Mitchell County, IA

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July 2025
