



April 9, 2024

JOHN ROOSA ADMINISTRATOR  
BOONE COUNTY LANDFILL  
BOONE COUNTY HEALTH & SANITATION  
1268 224<sup>TH</sup> LANE  
BOONE IA 50036

**RE: Boone County Sanitary Landfill**  
**Permit No. 08-SDP-01-75**  
**2023 Annual Water Quality Report (Doc [#108985](#))**

Dear Mr. Roosa:

The Iowa Department of Natural Resources (DNR) has reviewed the 2023 Annual Water Quality Report (AWQR), dated January 30, 2024, as prepared by HLW Engineering Group and the DNR has the following comments:

**2023 AWQR**  
**Report Priority**

None.

**Sampling Summary**

Monitoring is approved for:

1. Background monitoring points: MW88-2, MW91-8, MW02-15A, MW98-28, and MW02-30A.
2. Detection monitoring points: MW94-18, MW09-40, MW91-10, MW96-24, MW88-3, MW96-23, MW21-43, and groundwater underdrains GWD-1, and GU-4.
3. Well MW96-21 is in assessment monitoring.

In addition, the following are corrective action assessment monitoring wells, whose purpose is to monitor the ongoing remedial action that consisted of the installation of the North Cut-off Trench; MW98-25, MW06-37, MW06-38, MW06-39, SRAMP #1, and SRAMP #2. Sampling of these wells shall take place in accordance with paragraph 113.10(9)"e", which governs the completion of corrective actions.

**GU-3**

After reviewing the sampling results for GU-3 in the AWQRs from 2021 through 2023, the continued presence of Benzene over the groundwater protection standard shows that PECS-3 is

not effective. The DNR is requesting a schedule for completion of connecting GU-3 to the leachate collection system per 113.10(2)"a"(3) by **Friday, May 10, 2024.**

**Monitoring Well Maintenance and Performance Reevaluation**

The DNR has no comments.

**Leachate Control System Performance Evaluation Report**

The DNR has no comments.

**Gas Monitoring Report**

The DNR has no comments.

For any questions or comments, contact me at [\(515\)587-7638](tel:5155877638) or [geoffrey.spain@dnr.iowa.gov](mailto:geoffrey.spain@dnr.iowa.gov).

Sincerely,

Geoffrey Spain  
Environmental Engineer  
Land Quality Bureau

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