



April 30, 2024

BRIAN WARD
PAGE COUNTY LANDFILL ASSOCIATION
2032 N AVE
CLARINDA IA 51632

**Re: Page County Sanitary Landfill
Permit #73-SDP-01-75P
2023 Annual Water Quality Report (Doc [#108984](#))**

Dear Mr. Ward:

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

2023 AWQR

Report Priority

One request has been addressed in the "Leachate Evaluation Report" section.

Sampling Summary

Monitoring is approved for:

1. Background monitoring points: MW-17, and MW-44.
2. Detection monitoring points: MW-13, MW-14, and groundwater underdrain GWD-1.
3. Wells MW-1d, MW-3, MW-7, MW-10, MW-16, and MW-19, are in assessment monitoring.

Monitoring well MW-1 was removed from background and placed in assessment monitoring due to a prediction limit exceedance. It was renamed "MW-1d."

In addition, the following are corrective action assessment monitoring wells: MW-18, and MW-20. Sampling of these wells shall take place in accordance with paragraph 113.10(9)"e", which governs the completion of corrective actions.

Monitoring Well Maintenance and Performance Re-Evaluation

The monitoring well maintenance plan is present and future maintenance is planned out. The 5 feet of groundwater separation is shown to be maintained. The DNR has no further comments.

Leachate Evaluation Report

Page County Sanitary Landfill has been authorized to recirculate leachate over composite lined landfill cells since April 17, 2014. No leachate was recirculated in 2023. The DNR is open to considering reduced monitoring for the leachate piezometers in the unlined and non-subtitle D areas per the request in the AWQR.

Gas Monitoring Report

Explosive gas concentrations were not found above the lower explosive limit (LEL). The DNR has no further comments.

For any questions, please contact me at [\(515\) 725-8358](tel:5157258358) or geoffrey.spain@dnr.iowa.gov.

Sincerely,

Geoffrey Spain
Environmental Engineer
Land Quality Bureau

Enclosures

cc: Todd Whipple, CPG
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