

May 30, 2025

TONY AGNITSCH
CHEROKEE COUNTY SOLID WASTE COMMISSION
1805 LINDEN STREET
CHEROKEE IA 51012

**RE: Cherokee County Sanitary Landfill
2024 Annual Water Quality Report, Leachate Control System Performance Evaluation Report,
and Landfill Gas Annual Report (Doc [#112492](#))
18-SDP-01-75P**

Dear Mr. Agnitsch:

The Iowa Department of Natural Resources (DNR) has reviewed the 2024 Annual Water Quality Report, dated March 11, 2025, as submitted by SCS Engineers. The DNR has the following comments:

Report Priority

None.

Sampling Summary – Closed Site

Monitoring for the closed site includes:

- 1) Background monitoring point: MW-11.
- 2) Downgradient monitoring points: MW-7, MW-9R, MW-10R, MW-12, and MW-13R.
- 3) The following monitoring points are currently in assessment monitoring; MW-7, MW-9R, MW-10R, MW-12, and MW-13R.
- 4) The DNR acknowledges the Statistically Significant Increases above background found in all downgradient wells except MW-7. None were above the groundwater protection standard, so the DNR has no further comments.

Sampling Summary – Open Site

Monitoring for the open site includes:

- 1) Background monitoring points: MW-21 and MW-23.
- 2) Downgradient monitoring points: MW-16, MW-27, MW-35, MW-42R, and GWD-2.

Monitoring Well Maintenance and Performance Reevaluation

The monitoring well maintenance plan is present and future maintenance is planned out. The DNR has no further comments.

Leachate Control System Performance Evaluation Report

For the closed unlined areas, leachate levels have no increasing or decreasing trend. For the lined areas, no head level measurements have exceeded 12". The DNR concurs with the recommendations listed in section 1.4 of the report.

Gas Monitoring Report

The DNR is concerned about the single probe (GP-2) that measured 100% of the Lower Explosive Limit so close to the HHW facility, even with all other probes measuring 0%. Please provide a schedule for the installation of a continuous explosive gas monitor for the building.

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

Sincerely,

Geoffrey Spain
Environmental Engineer
Land Quality Bureau

cc: Sean Marczewski
SCS Engineers
1690 All State Court, Suite 100
West Des Moines, IA 50265

Field Office #3