



February 29, 2024

JOE FARRIS
MAHASKA COUNTY SOLID WASTE MANAGEMENT COMMISSION
2979 HWY 63
OSKALOOSA IOWA 52577

Re: Mahaska County Sanitary Landfill
Permit No. 62-SDP-01-74
2023 Annual Water Quality Report ([Document No. 108848](#))

Dear Mr. Farris:

The Iowa Department of Natural Resources (DNR) has reviewed the 2023 Annual Water Quality Report, dated January 18, 2024, as submitted by SCS Engineers. The DNR has the following comments:

Report Priority

None requested.

General Comments

Please proceed with improvements to monitoring point GU-1 to facilitate the collection of samples prior to the 1st semi-annual sampling event.

Leachate Control System Performance Evaluation Report

No comment.

Gas Monitoring Report

Thank you for the discussion on the effectiveness of the improvements to gas venting that were made in 2021. It is not apparent from the graph presented if the improvements to the gas venting system are showing a positive effect. Please continue to provide annual updates and include in the next annual report a statistical evaluation of explosive gas level trends. If the evaluation shows increasing or inconclusive trends, an action plan, including a schedule and tasks, to bracket the limits of gas migration and mitigate the situation shall also be included.

If you have any questions please contact me at [\(515\) 229-8356](tel:515-229-8356) or at mike.smith@dnr.iowa.gov.

Sincerely,

Michael W. Smith, P.E.
Environmental Engineer Senior
Land Quality Bureau

cc: Barb Davis, Chair
Mahaska County Solid Waste Commission
2979 Highway 63 2
Oskaloosa, IA 52577

Timothy Buelow, P.E.
SCS Engineers
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