

June 5, 2026

Alexis Slade
Environmental Engineer
Iowa Department of Natural Resources
6200 Park Avenue Suite 200
Des Moines, Iowa 50321



**RE: Installation of Leachate Pump
Cass County Sanitary Landfill
IDNR Permit No. 15-SDP-01-75P
HLW PN 6055-24A.200**

Dear Ms Slade:

On behalf of the Cass County Environmental Control Agency, we are requesting permission to have a low volume solar powered leachate pump installed in a persistent leachate seepage area at the closed Cass County SLF, IDNR Permit No. 15-SDP-01-75P.

The initial HLW monthly landfill inspection was conducted on July 25, 2024. At that time several small leachate seeps were noted near a terrace channel east of PZ-5R. These seeps were reported to IDNR in the Fall Semi-Annual Engineer's Inspection Report dated October 1, 2024 (Doc #110990). A figure was attached to that report showing the approximate location of the seeps. The seeps were in the unlined disposal area that was closed with a 2' soil cap.

Two attempts have been made to repair these areas:

- Fall 2024 – the seepage areas were cored out and backfilled during terrace repairs.
- August 2025 – a trench was excavated into the waste mass and backfilled with clean rock to promote vertical leachate movement into the waste mass rather than lateral movement.

This work was documented in past semi-annual inspection reports. Both attempts led to temporary cessation of the seepage.

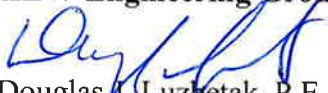
As noted in the 2026 Spring Semi-Annual Engineer's Inspection Report dated April 10, 2026 (Doc #116830), "Minor seepage was noted during this inspection." A figure was provided with the report indicating that the seepage had resumed in the previously repaired area(s).

The Agency is seeking permission to have a PVC extraction point with a solar powered pump installed in the rock trench constructed during August, 2025. Leachate will be pumped to a tote on the landfill surface. Staff will regularly check the level in the tote and the pump will be equipped with a shut off sensor in the tote to ensure the tote does not overflow. When the tote is nearing capacity the leachate will be hauled to the leachate storage lagoon. The tote system may be temporary until the system operates long enough to determine typical expected leachate volumes. At that time a larger tank or other means of conveyance may be installed to transport the leachate to the lagoon.

Due to the nature of the system components the system will only be operated seasonally (will not be operated during the winter).

Thank you for your consideration of this request, and please let me know if you have any questions or desire additional information in support of this request.

Respectfully submitted,
HLW Engineering Group, LLC


Douglas J. Luzbetak, P.E.
Project Manager

cc: Chris Jahnke, Director, Cass County SLF (electronic copy)