

Our ref.: 12666637-LTR-04

Sent Via Electronic Mail

May 1, 2026

Mr. Brian Rath
Iowa Department of Natural Resources

Spring 2026 Semi-Annual Engineering Inspection
Viking Pump Foundry Sand Landfill
Permit No. 7-SDP-12-89P-FSL

Dear Mr. Rath:

This letter serves as a semi-annual report of the engineering inspection, which follows the scope and format of previous reports. The spring 2026 semi-annual engineering inspection of the Viking Pump (Viking) Foundry Sand Landfill (landfill) located in Cedar Falls, Iowa was conducted by GHD Services Inc. (GHD) on April 21, 2026.

The following sections summarize the observations made during the inspection and recommendations made to Viking. Attachment 1 provides select photographs from the inspection.

1. Weather Conditions

The weather was clear and dry with a gentle breeze during the inspection. The inspection was initiated in late morning and the air temperature was in the low 70 degrees Fahrenheit range. There was no recent rainfall.

2. Permits and Plans

A *Construction Completion Report* for the landfill was submitted to the Iowa Department of Natural Resources (IDNR) in November 2014. A revised permit was issued by the IDNR on September 24, 2025, and expires December 24, 2028.

The current Viking contact for the permit is:

Mr. Evan Arachikavitz
E-Mail: earachikavitz@idexcorp.com
Phone: +1 319 222-2428

3. Access Roads

The gravel access roads within the landfill footprint, constructed in late 2023, remain in good condition. The access road into the Site remains free of foundry sand. The hammer head turnouts appear to be providing sufficient access for vehicle turning. As of the April 2026 inspection, crushed foundry sand has reached the level of the roads.

4. Equipment and Manpower

Viking contracts with Wapsie Pines Lawn Care & Landscaping, to use a dozer and sheepsfoot roller for breaking down foundry sand blocks, spreading, and leveling at the foundry sands. The following individuals at Viking are certified landfill operators and supervise operation of the landfill:

- Randy Hansen
- Evan Arachikavitz

Evan Arachikavitz is the responsible official.

5. Landfill Operations

As specified in the approved Operations Plan, soil cover is not placed on the landfill. No problems with dust generation, runoff, or erosion outside the fill area were noted at the time of the inspection. Erosion of foundry sand into the low area inside the cell at the south perimeter was noted. This area was west of the access road. The eroded foundry sand was completely captured within the cell and minor regrading is planned to reduce run-off velocity and restore capacity at the toe of the slope to contain potential future erosion.

Foundry sand blocks are placed along the gravel access roads. The large blocks of foundry sand are occasionally crushed as required for continued landfill operation. The majority of the landfill surface showed imprint from the shallow feet of a compactor. During the inspection, all foundry sand was observed within the landfill berm. No operations were observed during the inspection.

Two woody saplings were identified within the fill area and will be removed.

6. Drainage Structures

The landfill areas with final cover on the north and west sides of the landfill flow to the unnamed ditch west of the landfill. Surface water from the east flows to the south to a stormwater retention pond and leaves the Site at Viking Road and enters the City of Cedar Falls stormwater system. No erosion in drainage pathways was observed. Vegetation has been established and is in good condition.

The Site conditions were moderately dry. Although there was surface water present in the vicinity of surface water point SW-1, it did not appear to be flowing. The stormwater pond and east drainage channel had a small volumes of water, but appeared stagnant.

7. Signage

A new entrance sign was placed in 2026 (see photographic log included in Attachment 1).

8. Leachate Control

The landfill has one collection sump. Leachate is pumped to the Viking sanitary sewer and discharged to the City of Cedar Falls under a discharge permit with the City of Cedar Falls. Viking provides quarterly discharge reports to the City of Cedar Falls that provide flow records and parameter concentrations in accordance with its discharge permit. During each semi-annual sampling event, the leachate is also sampled and analyzed for IDNR required list of parameters. All leachate lab data and copies of the discharge concentrations and flows are reported to the IDNR in the annual groundwater monitoring reports.

A leachate clean-out riser observed broken (no release of leachate) in fall 2025 was repaired.

9. Groundwater and Surface Water Monitoring System

The spring 2026 semi-annual groundwater and surface water sampling event was completed by GHD personnel on April 20 through 22, 2026. All wells in the groundwater monitoring network were functioning properly during the sampling event.

10. Summary of Landfill Inspection Form

A copy of the Summary of Landfill Inspection form is provided in Attachment 2.

11. Closing

Should you have any questions or comments regarding this submittal, please do not hesitate to contact Michael Alowitz of GHD at +1 515 414-3934.

Regards,



Michael Alowitz
Senior Engineer

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michael.alowitz@ghd.com

MA/jlf/LTR-04/S4

Encl.: Attachment 1 - Photographic Log
Attachment 2 - Summary of Landfill Inspection

Copy to: Evan Arachikavitz, Viking (via e-mail)
Tom McCarthy, IDNR Field Office 1 - Manchester (via e-mail)
Margaret Zuckweiler, GHD (via e-mail)
Thao Larson, GHD (via e-mail)

Attachments

Attachment 1

Photographic Log

Site Photographs (April 21, 2026)



Photo 1 New sign at entrance to the landfill.



Photo 2 Area of foundry sand erosion into the low-lying perimeter of the cell. No evidence of a release outside the cell was observed.

Site Photographs (April 21, 2026)



Photo 3 The far white leachate clean-out riser was repaired since the October 2025 inspection. Photograph also shows one of the two woody saplings slated for removal.



Photo 4 Standing water near monitoring well MW-15.

Site Photographs (April 21, 2026)



Photo 5 Grass cover on north side of landfill, looking east.



Photo 6 Gravel access road with crushed foundry sand near elevation of road surface. Staged blocks before brushing in the background. Looking east.

Attachment 2

Summary of Landfill Inspection

