

August 12, 2026
File No. 27224317.26

Mr. Mike Smith, P.E.
Iowa Department of Natural Resources
Land Quality Bureau
6200 Park Avenue, Suite 200
Des Moines, Iowa 50321

Subject: 2026 Semi-Annual Sampling Notification
Great River Regional Waste Authority Sanitary Landfill
Phase 2 MSWLF Unit
Permit No. 56-SDP-07-80P

Dear Mike:

SCS Engineers, on behalf of the Great River Regional Waste Authority (GRRWA), is submitting herewith a summary of the 1st 2026 semi-annual sampling event for the Phase 2 municipal solid waste landfill unit (Phase 2 MSWLF unit) at the GRRWA Sanitary Landfill (Landfill) in general accordance with Iowa Administrative Code (IAC) 567-113.10(5).

During the November 2025 sampling event, a statistically significant increase (SSI) above background was indicated for nickel in monitoring well MW-29. As approved in Iowa Department of Natural Resources correspondence dated March 2, 2026 (Doc #116303), the results of the 1st 2026 sampling event were to be used as a retesting sample in lieu of a standalone retesting sampling event.

Groundwater sampling was completed on June 11, 2026; however, monitoring points GU-1, GU-2, GU-3A, GU-4A, and the Phase 2 underdrain (PH2-UD) were dry. The associated field sheets were completed. The samples were shipped and received at the laboratory with acceptable preservation requirements and appropriate temperatures. Statistical evaluation was performed using analytical data received from the laboratory. The field sheets, laboratory analytical reports, data validation documentation, and output from the statistical evaluation will be included in the 2026 Annual Water Quality Report.

Statistical evaluation results for the 1st 2026 semi-annual sampling event are summarized in Table 1.

Table 1
1st 2026 Statistical Evaluation Summary

Monitoring Point	Monitoring Program	Indicated SSIs
MW-26	Detection	None
MW-28	Detection	None
MW-29	Detection	Nickel
PHW-UD	Detection	Not calculated (dry)
GU-3A	Detection	Not calculated (dry)
GU-4A	Background Collection	Not calculated (dry, insufficient data)



As the SSI for nickel in monitoring well MW-29 was again indicated, the SSI remains outstanding, and a second retest for the 1-of-3 retesting scheme will be attempted in August 2026.

Apart from nickel in monitoring well MW-29, no other monitoring well/constituent pairs indicated SSIs above background. Two samples have been collected from monitoring point GU-4A. Upon the collection of six samples for GU-4A, intrawell prediction limits will be calculated for analysis.

The background dataset for monitoring well MW-26 was updated during this reporting period. Indicated outliers were not confirmed due to a lack of physical cause or explanation (additionally noted that the concentrations, with the exception of thallium, were less than 10% of the groundwater protection standards (GWPSs)); there were no statistically significant increasing trends; and the Welch's t-test/Mann-Whitney showed no statistically significant difference between the existing background dataset and the new data. Therefore, the background dataset was updated to include the new data from the four most recent samples.

Discharge from monitoring points GU-1 and GU-2 is treated with the leachate, and the monitoring points are not statistically evaluated. As neither GU-1 nor GU-2 produced a sample during this reporting period, sampling will be attempted again during the 2nd 2026 routine semi-annual sampling event.

No changes to the Phase 2 MSWLF unit monitoring program are recommended based on the results from the June 2026 semi-annual sampling event.

Services were performed in general accordance with IAC 567-113.10 and the current requirements for implementation of the Hydrologic Monitoring System Plan (HMSP) for the Phase 2 MSWLF unit.

If you have any questions regarding this notification, please contact Nathan Ohrt at (319) 331-9613.

Sincerely,



Nathan Ohrt
Senior Project Professional
SCS Engineers



Timothy C. Buelow, P.E.
VP, Senior Project Advisor
SCS Engineers

NPO/TCB

Copies: Mr. Trenton Burgess, Great River Regional Waste Authority