

August 18, 2025  
File No. 27224317.25

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

Subject: 2025 Spring 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 1<sup>st</sup> 2025 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).

A sampling event was attempted in April 2025 to collect samples from monitoring points GU-3A, GU-4A, and Phase 2 Underdrain; each of the monitoring points was dry. Groundwater sampling was completed on May 15, 2025; however, monitoring points GU-3A and GU-1 were dry, while monitoring points GU-2 and Phase 2 Underdrain, although not completely dry, did not have sufficient flow to produce a sample. 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 2025 Annual Water Quality Report.

Statistical evaluation results for the 1<sup>st</sup> 2025 semi-annual sampling event are summarized in Table 1.

**Table 1**  
**1<sup>st</sup> 2025 Statistical Evaluation Summary**

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



There were no monitoring well/constituent pairs with indicated SSIs above background. One sample has been collected from monitoring point GU-4A. Upon the collection of six samples for GU-4A, intrawell prediction limits will be calculated for analysis.

Background datasets for monitoring wells MW-28 and MW-29 were updated during this reporting period. A statistically significant increasing trend was identified for antimony in monitoring well MW-28, but as the increase was based on an increased reporting limit, the trend was not confirmed and the background update was completed.

Discharge from monitoring points GU-1 and GU-2 is treated with the leachate and the monitoring points are not statistically evaluated. As both GU-1 and GU-2 did not produce a sample during this reporting period, sampling will be attempted again during the 2<sup>nd</sup> 2025 routine semi-annual sampling event.

No changes to the Phase 2 MSWLF unit monitoring program are recommended based on the results from the 1<sup>st</sup> 2025 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. Austin Banks, Great River Regional Waste Authority