

May 9, 2025  
File No. 27224370.25

Mr. Brad Davison  
Iowa Department of Natural Resources  
Solid Waste & Contaminated Sites Section  
6200 Park Avenue  
Des Moines, Iowa 50321

Subject: 2025 Spring Sampling Notification  
Adair County Sanitary Landfill  
Permit No. 01-SDP-01-74P

Dear Brad:

SCS Engineers, on behalf of the Adair County Sanitary Landfill and Recycling Center, is submitting herewith a summary of the 1<sup>st</sup> 2025 semi-annual groundwater sampling event for the closed Adair County Sanitary Landfill (Landfill) in general accordance with Iowa Administrative Code (IAC) 567-113.10(5) and 113.10(6).

Groundwater sampling was completed on February 6, 2025, and the associated field sheets were completed. Groundwater underdrains GU-2 and GWD-1 could not be sampled due to the discharges being frozen; it should be noted that GU-2 and GWD-1 have not produced samples since 2021 and 2016, respectively. The samples were shipped and received at the laboratory with acceptable preservation requirements and at appropriate temperatures. Statistical evaluation was performed using analytical data received from the laboratory. The field sheets, laboratory analytical reports, data validation documentation, and statistical output from the statistical evaluation will be included in the 2025 Annual Water Quality Report.

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

Table 1 – 1<sup>st</sup> 2025 Semi-Annual Groundwater Monitoring Summary

Monitoring Point	Monitoring Program	Indicated SSLs	SSLs
MW-2	Assessment	Arsenic, Barium, Cobalt, Nickel	None
MW-3	Assessment	None	None
MW-6	Assessment	Selenium	None
MW-7	Assessment	Nickel	None
MW-9	Assessment	Cobalt	None
MW-10	Background	Background data collection.	
GU-2	Detection	Not calculated (frozen)	Not applicable
GWD-1	Detection	Not calculated (frozen)	Not applicable



There were seven indicated well/detected constituent pairs with statistically significant increases (SSIs) above background. The monitoring wells are in assessment monitoring and do not require a retest; therefore, the SSIs were not confirmed. No exceedances of the groundwater protection standards (GWPSs) at statistically significant levels (SSLs) for the Hydrologic Monitoring System Plan (HMSP) monitoring points in the assessment monitoring program were identified during the 1<sup>st</sup> 2025 semi-annual statistical evaluation. As monitoring points GU-2 and GWD-1 did not produce samples, prediction limits were not calculated.

No changes to the Landfill's 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 HMSP for the Landfill. This correspondence constitutes the 2025 Spring Sampling Notification.

If you have any questions regarding this submittal, please contact Sean Marczewski at (712) 661-9682.

Sincerely,



Nathan Ohrt  
Senior Project Professional  
SCS Engineers



Sean Marczewski  
Senior Project Professional  
SCS Engineers

NPO/SAM

Copies: Mr. DJ Luhrs, Adair County Sanitary Landfill