

April 8, 2025
File No. 27224514.25

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
Crawford County Area Sanitary Landfill
Permit No. 24-SDP-01-73C

Dear Mike:

SCS Engineers, on behalf of the Crawford County Area Solid Waste Agency Commission, is submitting herewith a summary of the 1st 2025 semi-annual groundwater sampling event for the closed Crawford County Area Sanitary Landfill in general accordance with Iowa Administrative Code (IAC) 567-113.10(6).

Groundwater sampling was completed on February 24-25, 2025, and the associated field sheets were completed. The samples were shipped and generally 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’s 1st 2025 semi-annual sampling event are summarized in Table 1.

Table 1
1st 2025 Statistical Evaluation Summary

Monitoring Well	Monitoring Program	Indicated SSIs February 2025	SSLs February 2025
MW-2	Assessment	Arsenic, Barium, Chromium, Lead, Vanadium	None
MW-4	Pre-Corrective Action	Arsenic, Barium, Cobalt, Nickel, 1,2-Dichlorobenzene, 1,4-Dichlorobenzene, Benzene, Chlorobenzene, 2,4,5-TP [Silvex]	Arsenic, Cobalt
MW-5	Pre-Corrective Action	Barium, Nickel, cis-1,2-Dichloroethene	Cobalt*
MW-20	Pre-Corrective Action	Cobalt, Nickel	Cobalt
MW-21	Assessment	Barium	None
MW-27	Background	Not applicable	Background for impact delineation.
MW-35	Assessment	None	None

* - The lower confidence limit was below the GWPS.



There were 20 well/detected constituent pairs with statistically significant increases (SSIs) above background indicated. The monitoring wells are in assessment or pre-corrective action monitoring and do not require a retest; therefore, the indicated SSIs were not confirmed.

The statistically significant levels (SSLs) above groundwater protection standards (GWSP) measured during this reporting period were previously reported.

For monitoring wells in the pre-corrective action monitoring program, if the upper confidence limit or any part of the upper confidence band, as appropriate, exceeds the GWPS, the constituent-monitoring point pair would not satisfy the requirement to complete corrective action as specified in IAC 567-113.10(9)"e"(2), which requires three consecutive years of the upper confidence limit or upper confidence band, as appropriate, below the GWPS. The progress of constituent-monitoring well pairs toward satisfying the requirements is shown in Table 2.

Table 2
Progress Toward Remedy Completeness

Monitoring Well	Historical and Current SSL Above GWPS	Upper Confidence Limit Below GWPS					
		1 st Year		2 nd Year		3 rd Year	
MW-4	Arsenic	NA	NA	NA	NA	NA	NA
	Cobalt	NA	NA	NA	NA	NA	NA
MW-5	Cobalt	NA	NA	NA	NA	NA	NA
MW-20	Cobalt	NA	NA	NA	NA	NA	NA

NA indicates that the constituent-monitoring point dataset has not satisfied the statistical requirements of IAC 567-113.10(9)"e"(2), which is identified by the entire confidence interval or upper confidence band, as appropriate, being below the GWPS.

No changes to the Landfill’s monitoring program are recommended based on the results from the 1st 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 site. This correspondence constitutes the 2025 Spring Sampling Notification.

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. Chuck Ettleman, Crawford County Area Solid Waste Agency Commission
 Mr. Travis Fink, Crawford County Transfer Station Manager