

October 30, 2025
File No. 27223172.25

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

Subject: 2025 Semi-Annual Sampling Notification
Woodbury County Sanitary Landfill
Permit No. 97-SDP-02-75C

Dear Mike:

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

Groundwater sampling was completed on June 19-20, 2025, with resampling for some wells completed on August 28, 2025, and the associated field sheets were completed. The samples were 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 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 Point	Monitoring Program	SSI	SSL
MW-2	Assessment	Cadmium, Nickel, 1,1-Dichloroethane, cis-1,2-Dichloroethene, Tetrachloroethene, Trichloroethene	None
PZ-2B	Corrective Action	Arsenic, 1,1-Dichloroethane, cis-1,2-Dichloroethene, Tetrachloroethene, Trichloroethene, Dichlorodifluoromethane	Tetrachloroethene**, Trichloroethene*
MW-3	Corrective Action	None (no sample)	Cobalt*, Trichloroethene
MW-5	Assessment	None	None



Monitoring Point	Monitoring Program	SSI	SSL
MW-8	Corrective Action	Barium, Chromium, 1,1-Dichloroethane, 1,2-Dichloropropane, Benzene, cis-1,2-Dichloroethene, Dichlorodifluoromethane, Tetrachloroethene, Trichloroethene, Vinyl Chloride, 2,4-D	Trichloroethene

* - Indicates the lower confidence limit is below the GWPS.

** - indicates a portion of the upper confidence band is below the GWPS.

There were twenty-three well/detected constituent pairs with indicated statistically significant increases (SSIs) above background. The monitoring wells in assessment or corrective action monitoring do not require a retest; therefore, the SSIs were not confirmed. The exceedances of groundwater protection standards (GWPSs) at statistically significant levels (SSLs) in monitoring wells PZ-2B, MW-3, and MW-8 were previously reported.

To complete corrective action, IAC 567-113.10(9)"e"(2) requires three consecutive years of the upper confidence limit or upper confidence band, as appropriate, being below the GWPS. The progress of constituent-monitoring point pairs toward satisfying the requirements is shown in Table 2.

Table 2
Progress Toward Remedy Completeness

Monitoring Point	SSL Above GWPS	Upper Confidence Limit Below GWPS					
		1 st Year		2 nd Year		3 rd Year	
MW-3	Cobalt	NA	NA	NA	NA	NA	NA
	Trichloroethene	NA	NA	NA	NA	NA	NA
MW-8	Trichloroethene	NA	NA	NA	NA	NA	NA
PZ-2B	Tetrachloroethene	6/2025	NA	NA	NA	NA	NA
	Trichloroethene	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 any portion of the upper confidence band, as appropriate, being below the GWPS.

No changes to the Landfill's monitoring program are recommended based on the 1st 2025 semi-annual sampling event results.

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 Landfill. This correspondence constitutes the 2025 Spring Sampling Notification.

Mike Smith
October 30, 2024
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If you have any questions regarding this notification, please contact Nathan Ohrt at (319) 331-9613.

Sincerely,



Nathan Ohrt
Senior Project Professional
SCS Engineers



Sean Marczewski
Senior Project Professional
SCS Engineers

NPO/SAM

Copies: Ms. Jeanette Beekman, Woodbury County Area Solid Waste Agency