

October 22, 2025
File No. 27224414.25

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

Subject: 2025 Semi-Annual Sampling Notification
Des Moines County Regional Sanitary Landfill
Permit No. 29-SDP-01-76P

Dear Brian:

SCS Engineers, on behalf of the Des Moines County Regional Solid Waste Commission, submits herewith a summary of the 1st 2025 semi-annual groundwater sampling event for the Des Moines County Regional Sanitary Landfill (Landfill) in general accordance with the Iowa Administrative Code (IAC) 567-113.10(5) and 113.10(6).

Groundwater sampling was completed May 19-21, 2025, and the associated field sheets were completed. The samples were shipped and received at the laboratory with acceptable preservation requirements and at appropriate temperatures. The statistical evaluation was performed using analytical data received from the laboratory. The field sheets, laboratory analytical reports, data validation documentation, and graphical 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	Indicated SSLs	SSLs
MW-1-99	Assessment	None	None
MW-2-93	Assessment	Not calculated (sampled annually)	None
MW-4-90	Corrective Action	Not calculated (sampled annually)	Cobalt
MW-4-93	Corrective Action	Arsenic, Cobalt, Nickel, Vanadium, 1,1-Dichloroethane, 1,4-Dichlorobenzene, Chlorobenzene	Cobalt
MW-7-90R	Corrective Action	Not calculated (sampled annually)	Arsenic
MW-7-93	Corrective Action	Cobalt, Nickel	Cobalt
MW-37	Corrective Action	Arsenic, Cobalt, Nickel, 1,1-Dichloroethane, 1,1-Dichloroethene, Benzene, Chlorobenzene, Chloroethane, cis-1,2-Dichloroethene	Cobalt
MW-38	Assessment	Not calculated (sampled annually)	None



Monitoring Point	Monitoring Program	Indicated SSIs	SSLs
MW-39R	Corrective Action	Barium, Cobalt, Nickel, 1,1-Dichloroethane, cis-1,2-Dichloroethene, Trichloroethene, Vinyl Chloride, Dichlorodifluoromethane	Alpha-BHC
MW-40R	Detection	None	-
MW-41	Detection	Inward Gradient (no sample required)	-
MW-43	Corrective Action	Arsenic, Barium, Cobalt	Arsenic
PZ-10	Corrective Action	Arsenic, Barium, Cobalt, Nickel, 1,4-Dichlorobenzene, Benzene, Chlorobenzene	Cobalt
PZ-11	Detection	Inward Gradient (no sample required)	-
GW-Lagoon-00	Detection	Not calculated (not located)	-
GW-Lagoon-Cell 1W	Detection	None	-

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

The exceedances of the groundwater protection standards (GWPSs) at statistically significant levels (SSLs) identified in Table 1 were previously reported. No new SSLs above a GWPS were measured during the 1st 2025 statistical evaluation.

For monitoring points in the 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 point pairs toward satisfying the requirements is shown in Table 2.

Table 2
Progress Toward Remedy Completeness

Monitoring Point	Historical or Current SSL Above GWPS	Upper Confidence Limit Below GWPS					
		1 st year		2 nd Year		3 rd Year	
MW-4-90	Cobalt	NA	NA	NA	NA	NA	NA
MW-4-93	Cobalt	NA	NA	NA	NA	NA	NA
MW-7-90R	Arsenic	NA	NA	NA	NA	NA	NA
MW-7-93	Cobalt	NA	NA	NA	NA	NA	NA
MW-37	Cobalt	NA	NA	NA	NA	NA	NA
MW-39R	Alpha-BHC	NA	NA	NA	NA	NA	NA
MW-43*	Arsenic	3/2022	NA	6/2024	11/2024	5/2025	NA
PZ-10	Cobalt	NA	NA	NA	NA	NA	NA

NA indicates that the monitoring well/constituent 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 samples were collected during the 2023 reporting period because the monitoring well could not be located or accessed.

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 Semi-Annual 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



Sean Marczewski
Senior Project Professional
SCS Engineers

NPO/SAM

Copies: Mr. Chris Ball, Des Moines County Solid Waste Commission
Ms. Becky Perry, Des Moines County Solid Waste Commission
Mr. Eric Houtz, Des Moines County Landfill