

November 6, 2024
 File No. 27221289.24

Mr. Geoffrey Spain
 Iowa Department of Natural Resources
 Land Quality Bureau
 6200 Park Avenue
 Des Moines, Iowa 50321

Subject: 2024 Semi-Annual Sampling Notification
 Harrison County Sanitary Landfill
 Permit No. 43-SDP-05-94P

Dear Geoff:

SCS Engineers, on behalf of the Harrison County Landfill Commission, is submitting herewith a summary of the 1st 2024 semi-annual groundwater sampling event for the Harrison County Sanitary Landfill (Landfill) in general accordance with the Iowa Administrative Code (IAC) 567-113.10(5) and 113.10(6).

Groundwater sampling was performed on June 20, 2024, and the associated field sheets were completed. Monitoring wells MW-8A, MW-13, and MW-17 could not be sampled due to sampling equipment malfunction. Monitoring well MW-16 was not sampled as the well was dry at the time of sampling. 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 graphical output from the statistical evaluation will be included in the 2024 Annual Water Quality Report.

Statistical evaluation results for the Landfill’s 1st 2024 semi-annual sampling event are summarized in Table 1.

Table 1
1st 2024 Statistical Evaluation Summary

Monitoring Point	Monitoring Program	Indicated SSLs	SSLs
MW-1A	Background	Background data collection.	
MW-14	Background	Background data collection.	
MW-4A	Assessment	None (annual sample)	None
MW-5A	Assessment	None (annual sample)	None
MW-8A	Detection	Not calculated (pump malfunction)	-
MW-10R	Detection	None	-



Monitoring Point	Monitoring Program	Indicated SSIs	SSLs
MW-11A	Detection	None	-
MW-12B	Assessment	None (annual sample)	None
MW-13R	Detection	Not calculated (pump malfunction)	-
MW-16	Detection	Not calculated (dry)	-
MW-17	Detection	Not calculated (pump malfunction)	-

No statistically significant increases (SSIs) above background were measured during this reporting period. 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 1st 2024 semi-annual statistical evaluation.

No changes to the Landfill's monitoring program are recommended based on the results from the 1st 2024 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 2024 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



Timothy C. Buelow, P.E.
Senior Project Advisor
SCS Engineers

NPO/TCB

Copies: Mr. Tyler Hinkel, Landfill Manager