

October 30, 2025  
File No. 27224523.25

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  
Scott County Sanitary Landfill  
Permit No. 82-SDP-03-77C

Dear Mike:

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

#### **Report Priority**

Monitoring well OP-18 was unable to be sampled during the June 2025 sampling event. The dedicated sampling pump was unable to draw water to the surface. Sampling from monitoring well OP-18 will be attempted prior to the 2<sup>nd</sup> 2025 semi-annual sampling event. Successful sampling results will be included in the 2<sup>nd</sup> 2025 statistical evaluation in the 2025 Annual Water Quality Report.

Methoxychlor was detected in monitoring well MW-19 during the June 2024 sampling event. The measured concentration of 0.19 µg/L was below the groundwater protection standard (GWPS) of 40 µg/L. As reported in the 2024 Spring Sampling Notification (Doc #110843), due to multiple laboratory qualifiers, a separate retest would not be performed for methoxychlor; rather, the results of the 2<sup>nd</sup> 2024 semi-annual sampling would be used to confirm or not confirm the presence of the constituent. This retest was inadvertently omitted from the 2<sup>nd</sup> 2024 semi-annual sampling. Methoxychlor in MW-19 was analyzed and not detected during the June 2025 semi-annual sampling event.

#### **Statistical Evaluation**

Groundwater sampling was completed on June 4, 2025. The associated field sheets were completed. The samples were shipped and 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 output from the statistical evaluation will be included in the 2025 Annual Water Quality Report.

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



Table 1. 1 <sup>st</sup> 2025 Statistical Evaluation Summary			
Monitoring Point	Monitoring Program	Indicated SSIs June 2025	SSLs June 2025
MW-32	Background	Background. Not sampled (dry).	
MW-17	Assessment	Barium, 1,1-Dichloroethane, cis-1,2-Dichloroethene	None
MW-19	Pre-Corrective Action	Arsenic, Cobalt, cis-1,2-Dichloroethene	Arsenic*, Cobalt
MW-20	Assessment	Barium	None
MW-21	Assessment	Zinc	None
MW-22	Assessment	None	None
MW-27	Pre-Corrective Action	Arsenic, Cobalt, 1,1-Dichloroethane, Acetone, Benzene, Chlorobenzene, cis-1,2-Dichloroethene	Cobalt
MW-28	Assessment	None	None
MW-30	Assessment	None	None
OP-17	Pre-Corrective Action	Arsenic, Barium, Cobalt, Copper, Nickel, 1,2-Dichlorobenzene, 1,4-Dichlorobenzene, Benzene, Chlorobenzene	Arsenic*, Cobalt
OP-18	Pre-Corrective Action	Not sampled (pump malfunction).	Arsenic*, Cobalt*

\* - The lower confidence limit was below the GWPS during this reporting period.

There were 24 monitoring well/constituent pairs with indicated statistically significant increases (SSIs) above background. As indicated SSIs are not retested for assessment and pre-corrective action monitoring wells, the SSIs were not confirmed. The statistically significant levels (SSLs) above the GWPSs shown in Table 1 were previously reported.

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 Hydrologic Monitoring System Plan (HMSP) for the Landfill. This correspondence constitutes the 2025 Spring Sampling Notification. A site map is included in Figure 1.

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: Bryce Stalcup, Waste Commission of Scott County  
Brian Seals, Waste Commission of Scott County



