

West Des Moines, IA

PROJECT: Clinton Co,FY25 Env Comp,IA 27223133.25 DATE: 6/6/2025

SUBJECT: Clinton County Area Sanitary Landfill - East, South MSWLF Unit - 23-SDP-01-74P - 2025 Spring Sampling Notification TRANSMITTAL ID: 00008

PURPOSE: For your approval VIA: Info Exchange

FROM

NAME	COMPANY	EMAIL	PHONE
Sean Marczewski West Des Moines, IA	SCS Engineers	SMarczewski@scsengineers.com	+1-515-631-6152

TO

NAME	COMPANY	EMAIL	PHONE
Mick Leat United States		mick.lead@dnr.iowa.gov	

REMARKS: Mick -

SCS Engineers, on behalf of the Clinton County Area Solid Waste Agency, is submitting the 2025 Spring Sampling Notification for the Clinton County Area Sanitary Landfill - East, South MSWLF Unit. If you have any questions or comments regarding this report, please contact me at the number below.

Thanks,

Sean A. Marczewski
Senior Project Professional
SCS Engineers
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QTY	DATED	TITLE	NOTES
1	6/6/2025	Clinton County Landfill-East, South MSWLF Unit - 23-SDP-01-74P - 2025 Spring Sampling Notification 06.06.2025.pdf	

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Transmittal

DATE: 6/6/2025
TRANSMITTAL ID: 00008

Becky Jolly
Brad Seward
Nathan Ohrt
Sean Marczewski

(Clinton County Area Solid Waste Agency)
(SCS Engineers)
(SCS Engineers)

June 6, 2025
File No. 27223133.25

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

Subject: 2025 Spring Sampling Notification
Clinton County Area Sanitary Landfill - East
South MSWLF Unit
Permit No. 23-SDP-01-74P

Dear Mick:

SCS Engineers, on behalf of the Clinton County Area Solid Waste Agency, is submitting herewith a summary of the 1st 2025 semi-annual groundwater sampling event for the South municipal solid waste landfill unit (South MSWLF unit) at the Clinton County Area Sanitary Landfill – East in general accordance with the Iowa Administrative Code (IAC) 567-113.10(5) and 113.10(6).

Groundwater sampling was completed March 24-26, 2025, and the associated field sheets were completed. The samples were received at the laboratory with acceptable preservation requirements and at appropriate temperatures. Statistical evaluation was performed using analytical data received from the laboratory. Data validation procedures were conducted prior to statistical evaluation. 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 South MSWLF unit March 2025 sampling event are summarized in Table 1.



Table 1 1st 2025 Statistical Evaluation Summary

Monitoring Point	Monitoring Program	SSIs March 2025	SSLs March 2025
Water Table			
MW-06-7R	Background	Background for detection monitoring.	
MW-05-2	Detection/AZPOC	None	None
MW-05-3	Detection/AZPOC	No sample (insufficient water)	Insufficient samples for evaluation.
MW-05-8R	Detection	Chromium*, Cobalt*, Vanadium*	Not applicable.
MW-19	Assessment	None	None
MW-25R	Detection	No sample (dry). Insufficient samples for evaluation.	
MW-28	Detection/AZPOC	No sample (insufficient water)	Insufficient samples for evaluation.
MW-29	Detection/AZPOC	Cobalt*	None
UD-2	Detection	No sample (dry). Insufficient samples for evaluation.	
MW-90-11	Source	Annually evaluated for trending.	
MW-20	Source	Annually evaluated for trending.	
MW-24	Source	Annually evaluated for trending.	
MW-32	Source	Annually evaluated for trending.	
MW-33	Source	Annually evaluated for trending.	
Bedrock Wells			
MW-39	Detection	None	-
MW-40	Detection	Not analyzed (not representative)	-
MW-41	Detection	None	-
MW-42	Detection	None	-

* - Not confirmed

The indicated statistically significant increases (SSIs) above background for chromium, cobalt, and vanadium in detection monitoring well MW-05-8R and cobalt in detection monitoring well MW-29 are not confirmed at this time. In a telephone conversation and email correspondence on May 13, 2025, the Iowa Department of Natural Resources stated that stand-alone retests were not required due to the low concentrations of the detected parameters and the absence of volatile organic compound (VOC) detections in the monitoring wells. Analytical results from the 2nd 2025 sampling event will be used as the retests for the indicated SSIs in monitoring wells MW-05-8R and MW-29.

Prediction limits for monitoring well MW-40 were not calculated as the sample was considered not representative due to an elevated concentration of total suspended solids (TSS).

No exceedances of the groundwater protection standards (GWPSs) at statistically significant levels (SSLs) for the monitoring well in the assessment monitoring program were identified during the 1st 2025 semi-annual statistical evaluation.

No changes to the South MSWLF unit's monitoring program are recommended based on the March 2025 sampling event results.

Services were performed in general accordance with IAC 567-113.10 and the current requirements for implementation of the HMSP for the South MSWLF unit. This correspondence constitutes the 2025 Spring Sampling Notification.

Mick Leat
June 6, 2025
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If you have any questions regarding this notification, please contact Sean Marczewski at (712) 661-9682.

Sincerely,

A handwritten signature in blue ink, appearing to read "Sean Marczewski".

Sean Marczewski
Senior Project Professional
SCS Engineers

A handwritten signature in blue ink, appearing to read "Nathan Ohrt".

Nathan Ohrt
Senior Project Professional
SCS Engineers

SAM/NPO

Copies: Mr. Brad Seward, Clinton County Area Solid Waste Agency