

West Des Moines, IA

PROJECT: Clinton Co,FY26 Env Comp,IA
27225262.26

DATE: 10/15/2026

SUBJECT: Clinton County Area Sanitary
Landfill - East, South MSWLF
Unit - 23-SDP-01-74P - 2026
Semi-Annual Sampling
Notification

TRANSMITTAL ID: 00005

PURPOSE: For your approval

VIA: Info Exchange

FROM

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TO

NAME	COMPANY	EMAIL	PHONE
Mike Smith 502 East 9th Street Des Moines IA 50319- 0034 United States	Iowa, State of	mike.smith@dnr.iowa.gov	515-725-8200

REMARKS: Mike -

SCS Engineers, on behalf of the Clinton County Area Solid Waste Agency, is submitting the 2026 Semi-Annual 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 Marczewski
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Transmittal

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DESCRIPTION OF CONTENTS

QTY	DATED	TITLE	NOTES
1	10/15/2026	2026-10-15_Clinton County Sanitary Landfill_2026 SSN_v1.0.pdf	

COPIES:

Brad Seward	(Clinton County Area Solid Waste Agency)
Sean Marczewski	(SCS Engineers)
Nathan Ohrt	(SCS Engineers)
Becky Jolly	



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October 15, 2026

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

Subject: 2026 Semi-Annual Sampling Notification
Clinton County Area Sanitary Landfill – East
South MSWLF Unit
Permit No. 23-SDP-01-74P

Dear Mike:

SCS Engineers, on behalf of the Clinton County Area Solid Waste Agency, is submitting herewith a summary of the 1st 2026 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) 567-101.110(5) and 101.110(6).

Statistically significant increases (SSIs) above background were indicated during the November 2025 sampling event at multiple monitoring points in the detection monitoring program, and a cobalt SSI in monitoring well MW-29 was confirmed as documented in the 2025 Annual Water Quality Report dated February 27, 2026 (Doc #116279). Monitoring well MW-29 was moved from the detection monitoring program to the assessment monitoring program, and an Appendix II sample was collected on April 22, 2026.

Attempts to retest monitoring points MW-05-08R, MW-28, and MW-40 were made during two separate retesting events prior to the July 2026 sampling event. Monitoring point MW-40 was retested for chromium and nickel in February 2026, and the SSIs were not confirmed. Elevated total suspended solids (TSS) concentrations were measured in monitoring points MW-05-08R and MW-28 during the April retest event, and the inorganic data were flagged and removed from the dataset. 1,1-dichloroethane sample containers for monitoring point MW-28 were not provided by the laboratory, so a sample was not collected during the April retest event. However, following further analysis, it was determined that MW-28 should be moved into the assessment monitoring program since 1,1-dichloroethane was detected in the last two consecutive samples and an Appendix II sample was collected during the July 2026 sampling event.

Monitoring point MW-05-08R was dry during the July 2026 sampling event. Results from the next successful sampling event will be used as a retest.

Groundwater sampling was completed July 6-14, 2026, 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 2026 Annual Water Quality Report.

Statistical evaluation results for the South MSWLF unit July 2026 sampling event are summarized in Table 2.

Table 1. 1st 2026 Statistical Evaluation Summary

Monitoring Point	Monitoring Program	SSIs	SSLs
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	No sample (insufficient water)	Not applicable.
MW-19	Assessment	Copper	None
MW-25R	Detection	Insufficient samples for evaluation.	Not applicable.
MW-28	Assessment/AZPOC	1,1-Dichloroethane	None
MW-29	Assessment/AZPOC	None	None
UD-2	Detection	Benzene*, 1,1-Dichloroethane*, cis-1,2-Dichloroethene*	Not applicable.
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			
MW-39	Detection	None	Not applicable.
MW-40	Detection	None	Not applicable.
MW-41	Detection	Not analyzed (not representative)	Not applicable.
MW-42	Detection	None	Not applicable.

* - Not confirmed

The indicated SSIs for benzene, 1,1-dichloroethane, and cis-1,2-dichloroethene at monitoring point UD-2 are not confirmed at this time. An attempt to retest UD-2 was made in September 2026, but the monitoring point was dry. Results from the next successful sampling event will be used as a retest.

An SSI for copper was indicated in monitoring point MW-19 under the double quantification rule. However, MW-19 is in the assessment monitoring program, and a retest is not required. Therefore, the SSI is not confirmed.

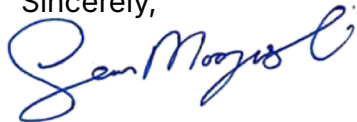
Prediction limits for monitoring point MW-41 were not calculated as the sample was considered not representative due to an elevated concentration of TSS.

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 2026 semi-annual statistical evaluation.

No changes to the South MSWLF unit's monitoring program are recommended based on the July 2026 sampling event results.

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

Sincerely,



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