

West Des Moines, IA

PROJECT: Cherokee Co, FY26 Env Comp, IA 27225283.26 DATE: 8/13/2026

SUBJECT: Cherokee County Sanitary Landfill - 18-SDP-01-75P - 2026 Semi-Annual Sampling Notification TRANSMITTAL ID: 00003

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
Alexis Slade		alexis.slade@dnr.iowa.gov	

REMARKS: Alexis -

SCS Engineers, on behalf of the Cherokee County Solid Waste Commission, is submitting the 2026 Semi-Annual Sampling Notification, for the Cherokee County Sanitary Landfill. If you have any questions or comments regarding this report, please contact me at the number below.

Thanks,



Sean Marczewski
Senior Project Professional
smarczewski@scsengineers.com

O: 515-631-6152
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West Des Moines, Iowa 50265

DESCRIPTION OF CONTENTS

QTY	DATED	TITLE	NOTES
1	8/13/2026	2026-08-13_Cherokee County Sanitary Landfill_Semi-Annual Sampling Notification_v1.0.pdf	

COPIES:

Nathan Ohrt (SCS Engineers)

Transmittal

DATE: 8/13/2026
TRANSMITTAL ID: 00003

Tony Agnitsch
Sean Marczewski
Becky Jolly
gunman870@hotmail.com

(Cherokee County Solid Waste Commission)
(SCS Engineers)



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Suite 100
West Des Moines, Iowa 50265
515-631-6160
File No. 27225283.26

August 13, 2026

Ms. Alexis Slade
Iowa Department of Natural Resources
Land Quality Bureau
6200 Park Avenue
Des Moines, Iowa 50321

Subject: 2026 Semi-Annual Sampling Notification
Cherokee County Sanitary Landfill
Open MSWLF Unit & Closed MSWLF Units
Permit No. 18-SDP-01-75P

Dear Alexis:

SCS Engineers, on behalf of the Cherokee County Solid Waste Commission, is submitting herewith a summary of the 1st 2026 semi-annual groundwater sampling event for the Open municipal solid waste landfill unit (Open MSWLF unit) and the Closed MSWLF units at the Cherokee County Sanitary Landfill (Landfill) in general accordance with the Iowa Administrative Code (IAC) 567-113.10(5) and 113.10(6).

An SSI was indicated for chromium in monitoring well MW-27 during the November 2025 sampling event as documented in the 2025 Annual Water Quality Report dated February 20, 2026 (Doc #116199). Retesting occurred on February 11, 2026, and the SSI was not confirmed.

Groundwater sampling was completed on May 27-28, 2026, and the associated field sheets were completed. The samples were shipped and received at the laboratory in acceptable condition, meeting the preservation requirements, and were maintained at the appropriate temperature. 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 2026 Annual Water Quality Report.

Open MSWLF Unit

The background dataset for monitoring well MW-27 was updated during this reporting period. There were no indicated outliers; there were no statistically significant increasing trends; and the Welch's t-test/Mann-Whitney showed no statistically significant differences between the existing background dataset and the new data. Therefore, the background dataset was updated to include the new data from the four most recent sampling events.

Table 1 summarizes the statistically significant increases (SSIs) above background for the Open MSWLF unit Hydrologic Monitoring System Plan (HMSP) monitoring points during the 1st 2026 semi-annual statistical evaluation.

Table 1
1st 2026 Statistical Evaluation Summary – Open MSWLF Unit

Monitoring Point	Monitoring Program	SSIs
MW-16	Detection	None
MW-27	Detection	None
MW-35	Detection	None
MW-42R	Detection	None
GWD-2	Detection	No sample (insufficient water to sample)

Inorganic data for monitoring well MW-35 during this sampling event were considered not representative and removed from the dataset due to elevated total suspended solids (TSS) measured at 202 mg/L. An attempt to reduce TSS while sampling will be made during the next sampling event.

No SSIs above background were indicated in the Open MSWLF unit.

Closed MSWLF Units

Table 2 summarizes the exceedances of groundwater protection standards (GWPS) at statistically significant levels (SSLs) for the assessment monitoring wells and SSIs above background for the Closed MSWLF unit's HMSP monitoring wells during the 1st 2026 semi-annual statistical evaluation.

Table 2
1st 2026 Statistical Evaluation Summary – Closed MSWLF Units

Monitoring Point	Monitoring Program	SSIs	SSLs
MW-7	Assessment	NA*	NA*
MW-9R	Assessment	NA*	NA*
MW-10R	Assessment	NA*	NA*
MW-12	Assessment	NA*	NA*
MW-13R	Assessment	NA*	NA*
MW-14R	Corrective Action	Evaluated annually for trending.	
MW-15R	Corrective Action	Evaluated annually for trending.	
MW-39	Corrective Action	Evaluated annually for trending.	
MW-15C	AZPOC	None	None
MW-44	AZPOC	None	None

NA* - Not applicable. The well is sampled and analyzed annually.

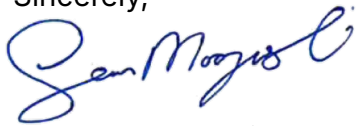
The attenuation zone point of compliance (AZPOC) monitoring wells MW-15C and MW-44 had no SSLs or exceedances of GWPSs at SSLs identified during the 1st 2026 semi-annual statistical evaluation.

The assessment monitoring wells are sampled and analyzed annually and will be sampled next during the 2nd semi-annual sampling event in 2026.

No changes to the Open or Closed MSWLF unit's monitoring programs are recommended based on the results from the 1st 2026 semi-annual sampling event.

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

Sincerely,



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CC: Mr. Tony Agnitsch, Cherokee County Sanitary Landfill
Mr. Roman Redig, Cherokee County Solid Waste Commission