Transmittal

West Des Moines, IA

PROJECT:	Des Moines Co,FY26 Env Comp,IA 27224414.26	DATE:	10/27/2026
SUBJECT:	Des Moines County Regional Sanitary Landfill - 29-SDP-01-76P - 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 Des Moines County Regional Solid Waste Commission, is submitting the 2026 Semi-Annual Sampling Notification, for the Des Moines County Regional 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
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DESCRIPTION OF CONTENTS

QTY	DATED	TITLE	NOTES
1	10/27/2026	2026-10-27_Des Moines County Regional Sanitary Landfill_2026 SSN_v1.0.pdf	

COPIES:

Nathan Ohrt (SCS Engineers)

Transmittal

DATE: 10/27/2026
TRANSMITTAL ID: 00003

Sean Marczewski	(SCS Engineers)
Chris Ball	(Des Moines County)
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File No. 27224414.26

October 27, 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
Des Moines County Regional Sanitary Landfill
Permit No. 29-SPD-01-76P

Dear Alexis:

SCS Engineers, on behalf of the Des Moines County Regional Solid Waste Commission, submits herewith a summary of the 1st 2026 semi-annual groundwater sampling event for the Des Moines County Regional Sanitary Landfill (Landfill) in general accordance with the Iowa Administrative Code (IAC) 567-101.110(5) and 101.110(6).

Groundwater sampling was completed June 2-4, 2026, and the associated field sheets were completed. The samples were shipped and received at the laboratory with acceptable preservation requirements and at appropriate temperatures. The 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 2026 Annual Water Quality Report.

Statistical evaluation results for the Landfill's 1st 2026 semi-annual sampling event are summarized in Table 1.

Table 1
1st 2026 Statistical Evaluation Summary

Monitoring Point	Monitoring Program	Indicated SSIs	SSLs
MW-1-99	Assessment	Copper	None
MW-2-93	Assessment	Not calculated (sampled annually)	None
MW-4-90	Corrective Action	Not calculated (sampled annually)	Cobalt*
MW-4-93	Corrective Action	Cobalt, Copper, Nickel, 1,4-Dichlorobenzene, Chlorobenzene	Cobalt*
MW-7-90R	Corrective Action	Not calculated (sampled annually)	Arsenic*
MW-7-93	Corrective Action	Cobalt, Copper, Nickel	Cobalt

Monitoring Point	Monitoring Program	Indicated SSIs	SSLs
MW-37	Corrective Action	Arsenic, Cobalt, Nickel, 1,1-Dichloroethane, 1,1-Dichloroethene, Chlorobenzene, Chloroethane, cis-1,2-Dichloroethene	Cobalt
MW-38	Assessment	Not calculated (sampled annually)	None
MW-39R	Corrective Action	Barium, Cobalt, Nickel, 1,1-Dichloroethane, Benzene, cis-1,2-Dichloroethene, Trichloroethene, Vinyl Chloride, Dichlorodifluoromethane, Silvex (2,4,5-TP)	Alpha-BHC*
MW-40R	Detection	None	-
MW-41	Detection	Inward Gradient (no sample required)	-
MW-43	Assessment	Arsenic, Barium, Cobalt, Nickel	None
PZ-10	Corrective Action	Arsenic, Barium, Cobalt, Nickel, 1,1-Dichloroethane, 1,4-Dichlorobenzene, Benzene, Chlorobenzene	Cobalt
PZ-11	Detection	Cobalt, Nickel	-
GW-Lagoon-00	Detection	No Sample (insufficient water)	-
GW-Lagoon-Cell 1W	Detection	None	-

* - The lower confidence limit is below the GWPS.

There were forty-one well/detected constituent pairs with indicated statistically significant increases (SSIs) above background. The monitoring wells in assessment monitoring and corrective action do not require a retest; therefore, the SSIs were not confirmed.

SSIs were indicated for cobalt and nickel in detection monitoring well PZ-11. In a telephone conversation on October 21, 2026, the Iowa Department of Natural Resources stated that a standalone retest is not required and that analytical results from the 2nd 2026 sampling event will be used as the retest.

The exceedances of the groundwater protection standards (GWPSs) at statistically significant levels (SSLs) identified in Table 1 were previously reported. No new SSLs above a GWPS were measured during the 1st 2026 statistical evaluation.

For monitoring points in the corrective action monitoring program, if the upper confidence limit or any part of the upper confidence band, as appropriate, exceeds the GWPS, the constituent-monitoring point pair would not satisfy the requirement to complete corrective action as specified in IAC 567-101.110(9)"e"(2), which requires three consecutive years of the upper confidence limit or upper confidence band, as appropriate, below the GWPS. The upper confidence limit or upper confidence band for arsenic in monitoring point MW-43 was below the GWPS for three consecutive years following the November 2025 sampling event. Therefore, the corrective action completion requirement of 101.110(9)"e"(2) is considered complete for arsenic, and monitoring point MW-43 was

moved to the assessment monitoring program. The progress of constituent-monitoring point pairs toward satisfying the requirements is shown in Table 2.

Table 2
Progress Toward Remedy Completeness

Monitoring Point	Historical or Current SSL Above GWPS	Upper Confidence Limit Below GWPS					
		1st year		2nd Year		3rd Year	
MW-4-90	Cobalt	NA	NA	NA	NA	NA	NA
MW-4-93	Cobalt	NA	NA	NA	NA	NA	NA
MW-7-90R	Arsenic	NA	NA	NA	NA	NA	NA
MW-7-93	Cobalt	NA	NA	NA	NA	NA	NA
MW-37	Cobalt	NA	NA	NA	NA	NA	NA
MW-39R	Alpha-BHC	NA	NA	NA	NA	NA	NA
MW-43*	Arsenic	3/2022	NA	6/2024	11/2024	5/2025	11/2025
PZ-10	Cobalt	NA	NA	NA	NA	NA	NA

NA indicates that the monitoring well/constituent dataset has not satisfied the statistical requirements of IAC 567-101.110(9)"e"(2), which is identified by the entire confidence interval or any portion of the upper confidence band, as appropriate, being below the GWPS.

**No samples were collected during the 2023 reporting period because the monitoring well could not be located or accessed.*

No changes to the Landfill's monitoring program 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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Mr. Eric Houtz, Des Moines County Regional Sanitary Landfill