

West Des Moines, IA

PROJECT: NWIASWA,FY26 Env Comp,IA 27225280.26 DATE: 9/1/2026

SUBJECT: Northwest Iowa Area Sanitary Landfill - 84-SDP-01-74P - 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
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 Northwest Iowa Area Solid Waste Agency, is submitting the 2026 Semi-Annual Sampling Notification, for the Northwest Iowa Area 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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O: 515-631-6152
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West Des Moines, Iowa 50265

Transmittal

DATE: 9/1/2026
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DESCRIPTION OF CONTENTS

QTY	DATED	TITLE	NOTES
1	9/1/2026	2026-09-01_Northwest Iowa Area Sanitary Landfill_2026 Semi-Annual Sampling Notification_v1.0.pdf	

COPIES:

Brent Kach	(Northwest Iowa Area Solid Waste Agency & Recycling)
Sean Marczewski	(SCS Engineers)
Nathan Ohrt	(SCS Engineers)
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September 1, 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
Northwest Iowa Area Sanitary Landfill
Permit No. 84-SDP-01-74P

Dear Mike:

SCS Engineers, on behalf of the Northwest Iowa Area Solid Waste Agency, is submitting herewith a summary of the 1st 2026 semi-annual groundwater sampling event for the Northwest Iowa Area Sanitary Landfill (Landfill) in general accordance with the Iowa Administrative Code (IAC) 567-113.10(5) and 113.10(6).

Acetone was detected in monitoring point GU-13 during the July 2024 sampling event, and SSIs above background were indicated for arsenic and barium during the 1st 2024 statistical evaluation. The monitoring point has been dry since the July 2024 sample collection. The next successful sampling attempt of GU-13 will be used as a retest for the indicated SSIs.

SSIs above background were indicated for copper and zinc in monitoring point GU-14 during the 1st 2023 statistical evaluation. The monitoring point has been dry since the May 2023 sample collection. The next successful sampling attempt of GU-14 will be used as a retest for the indicated SSIs. The elevated total suspended solids (TSS) concentration of 93 mg/L in monitoring point GU-14 may have contributed to the indicated SSIs.

Acetone was detected in monitoring point GU-15 during the November 2024 sampling event. GU-15 was dry during the April, June, and November 2025 sampling events. A sample was collected during this sampling event, and acetone was non-detect, so the indicated SSI was not confirmed.

Statistical Summary

Groundwater sampling was conducted from May 20-21, 2026, and the associated field sheets were completed. The samples were shipped and received at the laboratory in a condition that met the acceptable preservation requirements and 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 statistical 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
UG-90	Background	Background for the detection monitoring program.	
UG-201	Background	Background for the detection monitoring program.	
DG-901	Assessment	Arsenic, Vanadium	None
DG-905	Assessment	None	None
DG-1001	Detection	None	-
DG-1005	Assessment	Vanadium	None
DG-1101	Assessment	None	None
DG-1105R	Detection	None	-
DG-1201	Assessment	None	None
DG-1205	Assessment	1,1-Dichloroethane, 1,2-Dichloropropane, Dichlorodifluoromethane	None
DG-1301	Corrective Action	1,1-Dichloroethane, 1,2-Dichloropropane, cis-1,2-Dichloroethene, trans-1,2-Dichloroethene, Trichloroethene	Trichloroethene*
DG-1305	Assessment	1,1-Dichloroethane, Chlorobenzene	None
DG-1401R	Assessment	1,1-Dichloroethane	None
DGP-1500	Corrective Action	Arsenic	Arsenic*
TDG-301	Detection	Cobalt	-
TDG-305	Detection	None	-
GU-9	Detection	Not applicable (dry)	-
GU-10	Detection	Not applicable (dry)	-
GU-11	Detection	Not applicable (dry)	-
GU-12	Detection	Not applicable (dry)	-
GU-13	Detection	Not applicable (dry)	-
GU-14	Detection	Not applicable (dry)	-
GU-15	Detection	None	-
SW-101	Detection	None	-

* - The lower confidence limit is below the GWPS.

There were 16 well/detected constituent pairs with indicated SSIs above background. The monitoring wells in the assessment and corrective action monitoring do not require retesting; therefore, the SSIs were not confirmed. An SSI was indicated for cobalt in monitoring point TDG-301, and a retest will occur prior to the 2nd 2026 semi-annual sampling event.

Inorganic data for monitoring point GU-15 during this sampling event were considered not representative and removed from the dataset due to elevated total suspended solids (TSS) measured at 3,550 mg/L.

The exceedances of the groundwater protection standards (GWPSs) at statistically significant levels (SSLs) for monitoring wells DG-1301 and DGP-1500 were previously reported.

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 567-113.10(9)"e"(2), which requires three consecutive years of the upper confidence limit or upper confidence band, as appropriate, below the GWPS. The progress of constituent-monitoring point pairs toward satisfying the requirements is shown in Table 2.

Table 2
Progress Toward Remedy Completion

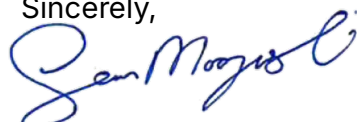
Monitoring Well	Current SSL Above GWPS	Upper Confidence Limit Below GWPS					
		1 st Year		2 nd Year		3 rd Year	
DG-1301	Trichloroethene	NA	NA	NA	NA	NA	NA
DGP-1500	Arsenic	NA	NA	NA	NA	NA	NA

NA indicates that the monitoring well/constituent dataset has not satisfied the statistical requirements of IAC 567-113.10(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 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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CC: Mr. Brent Kach, Northwest Iowa Area Sanitary Landfill