

West Des Moines, IA

PROJECT: Adair County LF, FY24 Env Comp, IA 27223238.24 DATE: 6/26/2024

SUBJECT: Adair County Sanitary Landfill - 01-SDP-01-74C - 2024 Spring Sampling Notification TRANSMITTAL ID: 00005

PURPOSE: For your review and comment 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
Brad Davidson		brad.davison@dnr.iowa.gov	

REMARKS: All -

Please find for download the 2024 Spring Sampling Notification Report submittal for the Adair County Sanitary Landfill. Let us know if you have any questions.

Thanks,
Sean

Sean A. Marczewski
Project Professional
SCS Engineers
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COPIES:

Becky Jolly
DJ Luhrs (Adair County Sanitary Landfill & Recycling Center Commission)
Christine Collier (SCS Engineers)

Transmittal

DATE: 6/26/2024
TRANSMITTAL ID: 00005

Sean Marczewski
Nathan Ohrt

(SCS Engineers)
(SCS Engineers)

June 26, 2024
File No. 27223238.24

Mr. Brad Davidson, Environmental Specialist
Iowa Department of Natural Resources
Solid Waste & Contaminated Sites Section
6200 Park Avenue
Des Moines, Iowa 50321

Subject: 2024 Spring Sampling Notification
Adair County Sanitary Landfill
Permit # 01-SDP-01-74P

Dear Brad:

On behalf of the Adair County Landfill and Recycling Center, SCS Engineers is pleased to submit a summary of the 1st 2024 semi-annual groundwater sampling event for the Adair County Sanitary Landfill (Landfill) in general accordance with the Iowa Administrative Code (IAC) 567-113.10(5) and 113.10(6).

Groundwater sampling was completed on April 19, 2024, and the associated field sheets were completed. Groundwater underdrains GU-2 and GWD-1 were not sampled due to no water present at the time of sampling. The samples were shipped and 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 outputs (e.g., graphs) from the statistical evaluation will be included in the 2024 Annual Water Quality Report.

Statistical evaluation results for the Landfill 1st 2024 semi-annual sampling event are summarized in Table 1 below.



Table 1 – 1st 2024 Semi-Annual Groundwater Monitoring Summary

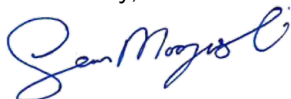
Monitoring Point	Monitoring Program	Indicated SSIs	SSLs
MW-2	Assessment	Arsenic, Benzene, Cobalt, Nickel	None
MW-3	Assessment	-	None
MW-6	Assessment	Selenium	None
MW-7	Assessment	Nickel	None
MW-9	Assessment	Cobalt	None
MW-10	Background	Background data collection.	
GU-2	Detection	Not Calculated (dry)	-
GWD-1	Detection	Not Calculated (dry)	-

There were seven indicated well/detected constituent pairs with statistically significant increases (SSIs) above background. The monitoring wells are in assessment monitoring and do not require a retest. Therefore, the SSIs were not confirmed. No exceedances of the groundwater protection standards (GWPSs) at statistically significant levels (SSLs) for the Hydrologic Monitoring System Plan (HMSP) monitoring points in the assessment monitoring program were identified during the 1st 2024 semi-annual statistical evaluation. As monitoring points GU-2 and GWD-1 did not produce samples, prediction limits were not calculated.

No changes to the Landfill’s monitoring program are recommended based on the results from the 1st 2024 semi-annual sampling event.

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

Sincerely,



Sean Marczewski
 Project Professional
 SCS Engineers



Nathan Ohrt
 Senior Project Professional
 SCS Engineers

SAM/NPO

Copies: Mr. DJ Luhrs, Adair County Sanitary Landfill