

West Des Moines, IA

PROJECT: Crawford Co.LF,FY24 DATE: 5/23/2024
Env.Comp,IA
27223201.24

SUBJECT: Crawford County Area Sanitary TRANSMITTAL ID: 00002
Landfill - 24-SDP-01-73C - 2024
Spring Sampling Notification

PURPOSE: For your approval VIA: Info Exchange

FROM

NAME	COMPANY	EMAIL	PHONE
Nathan Ohrt West Des Moines, IA	SCS Engineers	NOhrt@scsengineers.com	

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: Good afternoon Mike-

SCS Engineers, on behalf of the Crawford County Area Solid Waste Agency Commission, is submitting the attached 2024 Spring Sampling Notification for the Crawford County Area Sanitary Landfill. If you have any questions or comments regarding this notification, please contact me at the number below. Thank you.

Nathan Ohrt
Senior Project Professional
SCS Engineers
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DESCRIPTION OF CONTENTS

QTY	DATED	TITLE	NOTES
1	5/23/2024	Crawford County Area Sanitary Landfill - 24-SDP-01-73C - 2024 Spring Sampling Notification.pdf	

Transmittal

DATE: 5/23/2024
TRANSMITTAL ID: 00002

COPIES:

Charles Etleman

(Crawford County Area Solid Waste Agency
Commission)

Nathan Ohrt

(SCS Engineers)

Becky Jolly

May 23, 2024
File No. 27223201.24

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

Subject: 2024 Spring Sampling Notification
Crawford County Area Sanitary Landfill
Permit No. 24-SDP-01-73C

Dear Mike:

SCS Engineers, on behalf of the Crawford County Area Solid Waste Agency Commission, has completed the following items for the closed Crawford County Area Sanitary Landfill associated with the 1st semi-annual sampling event of 2024 that occurred in April 2024:

- Groundwater sampling
- Statistical evaluation of groundwater data
- Field sampling forms
- Compilation of laboratory analytical data

The information listed above will be submitted and discussed in the 2024 Annual Water Quality Report.

Pursuant to Iowa Administrative Code (IAC) 567-113.10(6), this correspondence notifies the Iowa Department of Natural Resources of the results of the 1st 2024 semi-annual statistical evaluation.

Table 1 summarizes exceedances of the groundwater protection standards (GWPSs) at statistically significant levels (SSLs) for the Hydrologic Monitoring System Plan (HMSP) monitoring wells.

Table 1
1st 2024 Statistical Evaluation Summary

Monitoring Well	Monitoring Program	SSLs April 2024
MW-2	Assessment	None (Not sampled – insufficient water)
MW-4	Pre-Corrective Action	Arsenic
		Cobalt
MW-5	Pre-Corrective Action	Cobalt*
MW-20	Pre-Corrective Action	Cobalt
MW-21	Assessment	None
MW-27	Background	Background for impact delineation.



Monitoring Well	Monitoring Program	SSLs April 2024
MW-35	Assessment	None

* - The lower confidence band was below the GWPS.

The SSLs measured during this reporting period were previously reported.

For monitoring wells in the pre-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 well 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 well pairs toward satisfying the requirements is shown in Table 2.

Table 2
Progress Toward Remedy Completeness

Monitoring Well	Historical and Current SSL Above GWPS	Upper Confidence Limit Below GWPS					
		1 st Year		2 nd Year		3 rd Year	
MW-4	Arsenic	NA	NA	NA	NA	NA	NA
	Cobalt	NA	NA	NA	NA	NA	NA
MW-5	Cobalt	NA	NA	NA	NA	NA	NA
MW-20	Cobalt	NA	NA	NA	NA	NA	NA

NA indicates that the constituent-monitoring point dataset has not satisfied the statistical requirements of IAC 567-113.10(9)"e"(2), which is identified by the entire confidence interval or confidence band, as appropriate, being below the GWPS.

Services were performed in general accordance with IAC 567-113.10 and the current requirements for implementation of the HMSP for the site. This correspondence constitutes the 2024 Spring Sampling Notification.

If you have any questions regarding this notification, please contact Nathan Ohrt at (319) 331-9613.

Sincerely,



Nathan Ohrt
 Senior Project Professional
 SCS Engineers



Timothy C. Buelow, P.E
 Senior Project Advisor
 SCS Engineers

NPO/TCB

Copies: Mr. Chuck Ettleman, Crawford County Area Solid Waste Agency Commission
 Mr. Travis Fink, Crawford County Transfer Station Manager