SCS ENGINEERS

Transmittal

West Des Moines, IA

PROJECT: Louisa Co,FY25 Env Comp & On- DATE: 4/30/2025

Call,IA 27223216.25

SUBJECT: Louisa County Sanitary Landfill - TRANSMITTAL ID: 00003

85-SDP-01-74C 2025 Inspection

Report

PURPOSE: For your approval VIA: Info Exchange

FROM

NAME	COMPANY	EMAIL	PHONE
Isaac Creech West Des Moines, IA	SCS Engineers	ICreech@scsengineers.com	+1-515-415-9211

TO

NAME	COMPANY	EMAIL	PHONE
Becky Jolly		becky.jolly@dnr.iowa.gov	
Brad Davison		bradley.davison@dnr.iowa.go v	

REMARKS: Good afternoon Brad-

Please find available for your download the Louisa County Sanitary Landfill Spring 2025 Semi-Annual Inspection report. Let us know if you have any questions or comments.

Thank you,

Isaac Creech, E.I.T. Associate Professional 1690 All-State Court, Suite 100 West Des Moines, IA 50265 (515) 631-6160 (Office) (515) 415 -9211 (W)

icreech@scsengineers.com

www.scsengineers.com

DESCRIPTION OF CONTENTS

QTY	DATED	TITLE	NOTES
1	4/30/2025	Louisa County Sanitary Landfill - 58-SDP-01-74C - 2025 Spring Inspection Report 04.30.2025.pdf	

COPIES:

Transmittal

DATE: 4/30/2025

TRANSMITTAL ID: 00003

ashutt@louisacountyia.gov Christine Collier (SCS Engineers) (SCS Engineers) (SCS Engineers) Nathan Ohrt Isaac Creech

SCS ENGINEERS

April 30, 2025 Project No. 27223216.25

Mr. Brad Davison Iowa Department of Natural Resources Land Quality Bureau 6200 Park Ave Des Moines, Iowa 50321

Re: Annual Landfill Inspection Report

Louisa County Sanitary Landfill (Closed)

Permit No. 58-SDP-01-74C

Dear Mr. Davison,

The purpose of this report is to document the results of the annual inspection required by the Iowa Department of Natural Resources Sanitary Disposal Project Closure Permit and the Iowa Administrative Code. The inspection was performed on April 3, 2025, by Isaac Creech (SCS Engineers), to evaluate the site's general conformance with the closure permit and the approved plans and specifications. A map of the Louisa County Sanitary Landfill (Landfill) is attached for reference (Figure 1). A copy of the observation checklist utilized during the inspection is included in Attachment A. Please refer to this checklist for specific observations and recommended activities to address areas of concern noted during the inspection.

The observations presented in this report are based upon data obtained from the field observations made at the site, interviews with the site representative, and from information sources discussed in this report. This report provides a snapshot in time of the conditions present at the time of the inspection and does not reflect variations in conditions that may occur throughout the year.

If you have any questions regarding this submittal, please contact us at (515) 631-6160.

Sincerely,

Isaac A. Creech, E.I.T. Associate Professional

Isaac Creech

SCS Engineers

Christine L. Collier, P.E. Senior Project Manager

Christine L Collier

SCS Engineers

IAC/KDP/CLC

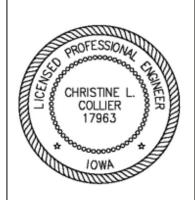
Copies: Mr. Brad Quigley, Chairman, Louisa Regional Solid Waste Agency

Mr. Adam Shutt, P.E., Louisa County Engineer

Iowa DNR Field Office #6

Electronic File

Certification



I hereby certify that this document was prepared by me or under my direct supervision and that I am a duly licensed Professional Engineer under the laws of the state of Iowa.

Christine L.

Digitally signed by Christine L. Collier, P.E. Date: 2025.04.30 17:19:38 -05'00'

Collier, P.E.

Christine L. Collier

Date

My license renewal date is: December 31, 2025

Pages or sheets covered by this seal:

ΑII



Feet

Leachate Monitoring Point Methane Monitoring Point

SCS ENGINEERS

Attachment A

Observation Checklist



SCS Engineers 1690 All State Ct, Ste 100, West Des Moines, Iowa 50265 **Sanitary Landfill Inspection** Permit #: 58-SDP-01-74C Facility Name: Louisa County Sanitary Landfill Responsible Official: Adam Shutt, P.E. County: Address: 8313 K Avenue, Wapello, IA Louisa **Facility Operator:** NA **Phone:** (319) 523-5271 Address: Wapello, IA Date Last Inspection: April 11, 2024 Phone: NA **Date This Inspection:** April 3, 2025 At the Time of this Inspection: Facility personnel present: Adam Shutt **Surface conditions:** Wind direction and speed: From W at 8 mph Ambient temperature: 45° F, Cloudy Yes - compliance was being achieved; No - compliance was not being achieved, N/A – not applicable or not observed; PND – previously noted deficiency (PND). **Observations** N/A PND Item N/A PND Yes No No Item Yes M M 1. Fill Cover: final X 10. Special Waste Handling 2. Control of Face 11. Recycling Activities 3. Compaction 12. Operator Certification X 4. Cover erosion; Ponding X 13. Staffing 14. Equipment Backup/Maintenance 5. Drainage into fill 6. Leachate Mgmt. & Control 15. Interior Roads 7. Litter X 16. Perimeter fence, gate, signs, wells 8. Wet Weather Area 17. Photos taken

Comments: The comments below correspond to the numbered observation items listed above.

9. Construction & Demolition Area

 Vegetation was well-established except for a few areas, most notably the areas on the north slope where terraces have been removed. Random pieces of litter were present on the northern slope where the uppermost terrace was previously located. Removal of the litter and reseeding of the unvegetated areas is recommended. The Louisa County Engineer stated that seeding is done every year at the Landfill and he would recommend reseeding again for this year.

18. Follow-up needed

- 4. Minor erosion rills were noted on the north slope in the area of the removed terrace.
- 6. One minor leachate seep was present on the northern slope where the terraces have been removed. It is recommended that this seep be addressed by seeding the area to establish a healthy layer of vegetation. See Note 1.
- 15. The access road to the east side of the landfill is in generally good condition.
- 16. The gate and observed sections of the perimeter fence and monitoring wells were in good condition.
- 18. See comments for items 1, 4, and 6 for recommended actions.

AUTHENTICATION				
INSPECTOR	Isaac A. Creech, E.I.T.	Date: 4/4/2025		
REVIEWER	Christine L. Collier, P.E.	Date: 4/29/2025		