

West Des Moines, IA

PROJECT: Guthrie Co, FY25 Env Comp, IA 27223271.25 DATE: 4/3/2025

SUBJECT: Guthrie County Sanitary Landfill - 39-SDP-01-73C - 2025 Annual Inspection Report TRANSMITTAL ID: 00002

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
brian.rath@dnr.iowa.gov		brian.rath@dnr.iowa.gov	

REMARKS: Brian -

Please find for your download the Guthrie County Sanitary Landfill 2025 Annual Inspection Report. Let us know if you have any questions or comments.

Thanks,

Sean A. Marczewski
Project Professional II
SCS Engineers
1690 All-State Court, Suite 100
West Des Moines, Iowa 50265
712-661-9682 (C)
515-631-6152 (O)
smarczewski@scsengineers.com

DESCRIPTION OF CONTENTS

QTY	DATED	TITLE	NOTES
1	4/3/2025	Guthrie County Sanitary Landfill - 36-SDP-01-73C - 2025 Annual Inspection Report 04.03.2025.pdf	

COPIES:

Becky Jolly
Jotham Arber
Nathan Ohrt
Tim Buelow
Sean Marczewski

(Guthrie County Environmental Health)
(SCS Engineers)
(SCS Engineers)
(SCS Engineers)
(SCS Engineers)

Transmittal

DATE: 4/3/2025
TRANSMITTAL ID: 00002

April 3, 2025
File No. 27223271.25

Mr. Brian Rath
Iowa Department of Natural Resources
Land Quality Bureau
6200 Park Avenue
Des Moines, Iowa 50321

Subject: 2025 Annual Inspection Report
Guthrie County Sanitary Landfill
Permit No. 39-SDP-01-73C

Dear Mr. Rath:

This brief report documents the annual inspection required by the Guthrie County Sanitary Landfill (Landfill) Iowa Department of Natural Resources Sanitary Disposal Project Closure Permit, applicable amendments, and the Iowa Administrative Code. The inspection was conducted by Tim Buelow, P.E. and Sean Marczewski on March 12, 2025, and was performed to evaluate the Landfill's general conformance with the closure permit and the approved plans and specifications. A map of the Landfill is attached for reference (Figure 1). A copy of the observation checklist used 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. Concerns noted during the inspection were discussed with Site Supervisor Dan Smith at the conclusion of the inspection.

The observations presented in this report are based upon data obtained from the field observations made at the Landfill, interviews with facility staff, 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 report, please contact us at (515) 631-6160.

Sincerely,



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





Sean Marczewski
Project Professional II
SCS Engineers

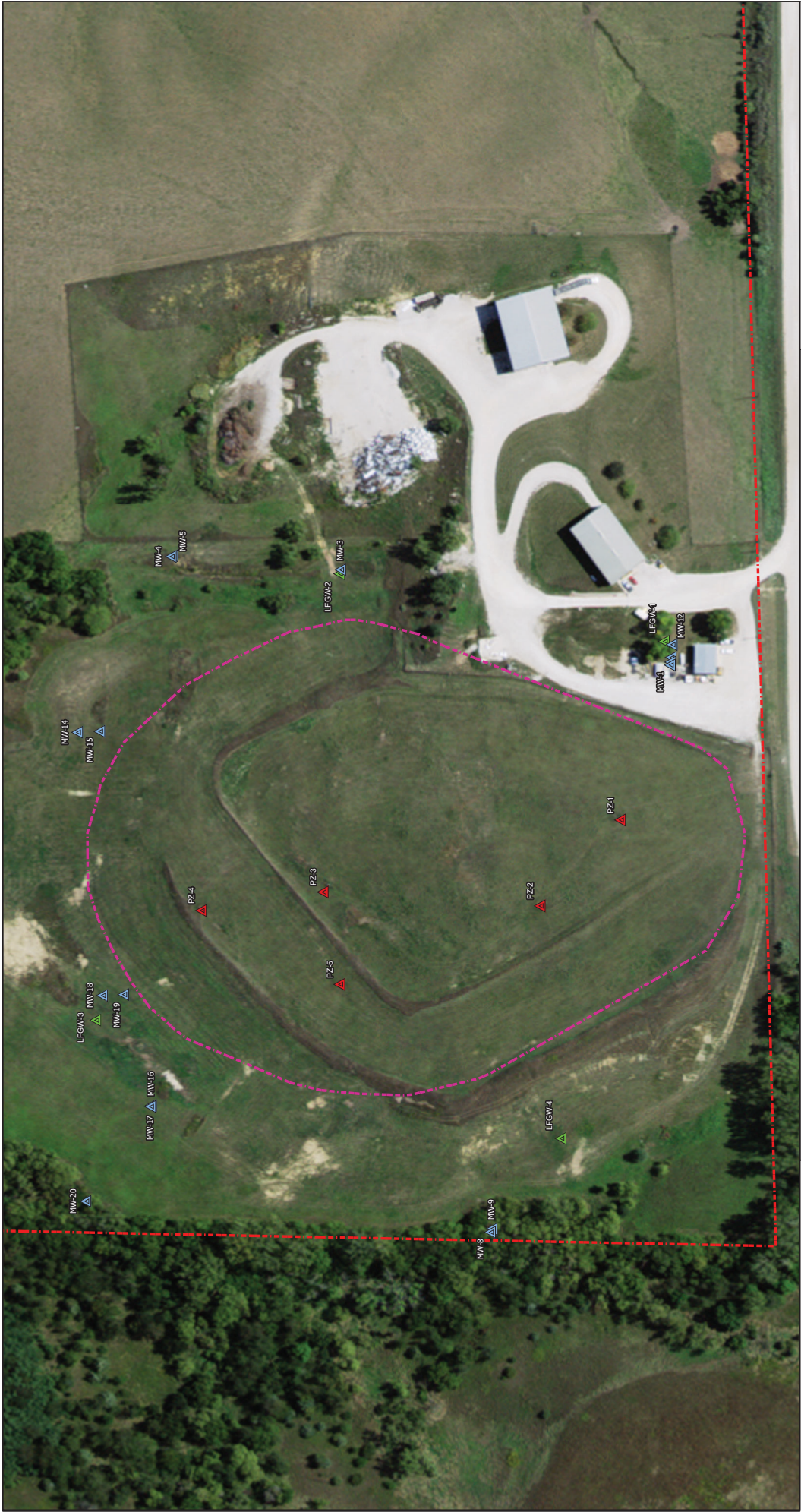
TCB/SAM

Copies: Mr. Jotham Arber, Guthrie County Environmental Health
Mr. Dan Smith, Guthrie County Transfer Station
Iowa DNR Field Office #4



Engineer's Certification

	I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa.
	 Date: <u>4/3/2025</u>
	Timothy C. Buelow, P.E.
	License No. 14445
	My license renewal date is December 31, 2025.
Pages or sheets covered by this seal:	
All.	



ATTACHMENT A
INSPECTION CHECKLIST

SCS ENGINEERS
1690 All-State Court, Suite 100, West Des Moines, Iowa 50265
Sanitary Landfill Inspection

Permit #: 39-SDP-01-73C

Facility Name: Guthrie County Sanitary Landfill (Closed) **Responsible Official:** Jotham Arber
County: Guthrie **Address:** 2002 State Street, Guthrie Center, Iowa
Facility Operator: Dan Smith **Phone:** (641) 747-8320
Address: 2349 Jaguar Trail, Guthrie Center, Iowa **Date Last Inspection:** April 15, 2024
Phone: (641) 747-3764 **Date This Inspection:** March 12, 2025

At the Time of this Inspection:

- **Facility personnel present:** None
- **Surface conditions:** Vegetation frosty, soil damp
- **Wind direction and speed:** Calm
- **Ambient temperature:** 34° F, Sunny

Yes – compliance was being achieved; **No** – compliance was not being achieved,
N/A – not applicable or not observed; **PND** – previously noted deficiency (PND).

Observations


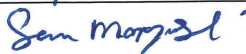
Yes	No	N/A	PND	Item	Yes	No	N/A	PND	Item
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1. Fill Cover: final	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	10. Special Waste Handling
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	2. Control of Face	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	11. Recycling Activities
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3. Compaction	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	12. Operator Certification
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4. Cover erosion; Ponding	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	13. Staffing
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	5. Drainage into fill	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	14. Equipment Backup/Maintenance
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6. Leachate Mgmt. & Control	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	15. Interior Roads
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	7. Litter	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	16. Perimeter fence, gate, signs, wells
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	8. Wet Weather Area	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	17. Photos taken
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	9. Construction & Demolition Area	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	18. Follow-up needed

Comments:

Below are comments related to specific observation items listed above from this 2025 inspection.

1. Landfill vegetation was well-established and in good condition, with the exception of a few small sparsely vegetated areas scattered throughout the landfill surface. The sparsely vegetated areas appeared to be associated with vegetative stress from landfill gas and were generally on flatter portions of the landfill surface. These areas were improved from the 2024 inspection, likely due to the generally consistent rainfall throughout a majority of the 2024 growing season.
4. Erosion was generally not occurring in the sparsely vegetated areas noted in Item No. 1. Very minor ponding was noted in a small area on the north side of the upper portion of the landfill just south of the upper terrace and in the flowline of the upper terrace on the west side. The ponding observation was likely present as a result of recent snow melt from the previous week's storm, a likely still frozen subsurface, and limited evaporation based on the temperatures and dormant state of the vegetation. Vegetation in the noted areas of ponding did not appear stressed.
6. No leachate seeps were observed during this inspection. The area near PZ-2 that previously had erosion stone placed over a bare area had expanded beyond the rock cover. Although there were no typical indicators of a leachate seep, deer continue to frequent the location and had destroyed the vegetation surrounding the rock. It is recommended that the rock cover area be expanded to address the deer impact.
15. There are no interior roads on the landfill cap. The roads used to access the landfill and facilitate transfer station operations were rocked and in good condition.
16. The perimeter fence, gate, signs, and HMSP wells were generally in good condition. The main entrance sign, which was damaged in a storm, was replaced and contains the required information.

AUTHENTICATION

INSPECTOR	Timothy C. Buelow, P.E. 	Date: <u>4/3/2025</u>
REVIEWER	Sean Marczewski 	Date: <u>4/3/2025</u>