

West Des Moines, IA

PROJECT: Guthrie Co.LF,FY24 DATE: 5/30/2024
Env.Comp,IA
27223271.24

SUBJECT: Guthrie County Sanitary Landfill - TRANSMITTAL ID: 00001
39-SDP-01-73C - 2024 Annual
Inspection Report

PURPOSE: For your review and comment VIA: Info Exchange

FROM

NAME	COMPANY	EMAIL	PHONE
Christopher Calhoun West Des Moines, IA	SCS Engineers	CCalhoun@scsengineers.com	

TO

NAME	COMPANY	EMAIL	PHONE
Becky Jolly		becky.jolly@dnr.iowa.gov	
brian.rath@dnr.iowa.gov		brian.rath@dnr.iowa.gov	

REMARKS: Becky and Brian,

Please find for download the 2024 Annual Inspection Report for the Guthrie County Sanitary Landfill. Let us know if you have any questions or comments.

Thank you,
Christopher Calhoun
Associate Professional
1690 All-State Court, Suite 100
West Des Moines, IA 50265
515-631-6160 Office
ccalhoun@scsengineers.com
www.scsengineers.com

DESCRIPTION OF CONTENTS

QTY	DATED	TITLE	NOTES
1	5/30/2024	Guthrie County Sanitary Landfill - 39-SDP-01-73C - 2024 Annual Inspection Report v1.0 5.30.2024.pdf	

COPIES:

j.arber@guthriecounty.gov
Nathan Ohrt (SCS Engineers)
Christine Collier (SCS Engineers)
Christopher Calhoun (SCS Engineers)

May 30, 2024
File No. 27223271.24

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

Subject: 2024 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 Chris T. Calhoun, E.I.T. on April 15, 2024, 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. Site Supervisor Dan Smith was present for the entire inspection walkover of the landfill to witness first-hand the observations and to discuss specifics of necessary improvements.

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,



Chris T. Calhoun, E.I.T.
Associate Professional
SCS Engineers




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

CTC/CLC

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



Certification

	<p>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.</p>	
	<p><i>Christine L. Collier</i> Digitally signed by Christine L. Collier Date: 2024.05.30 09:28:16 -05'00'</p>	
	<table><tr><td>Christine L. Collier</td><td>Date</td></tr></table> <p>My license renewal date is: December 31, 2025 Pages or sheets covered by this seal: All</p>	Christine L. Collier
Christine L. Collier	Date	

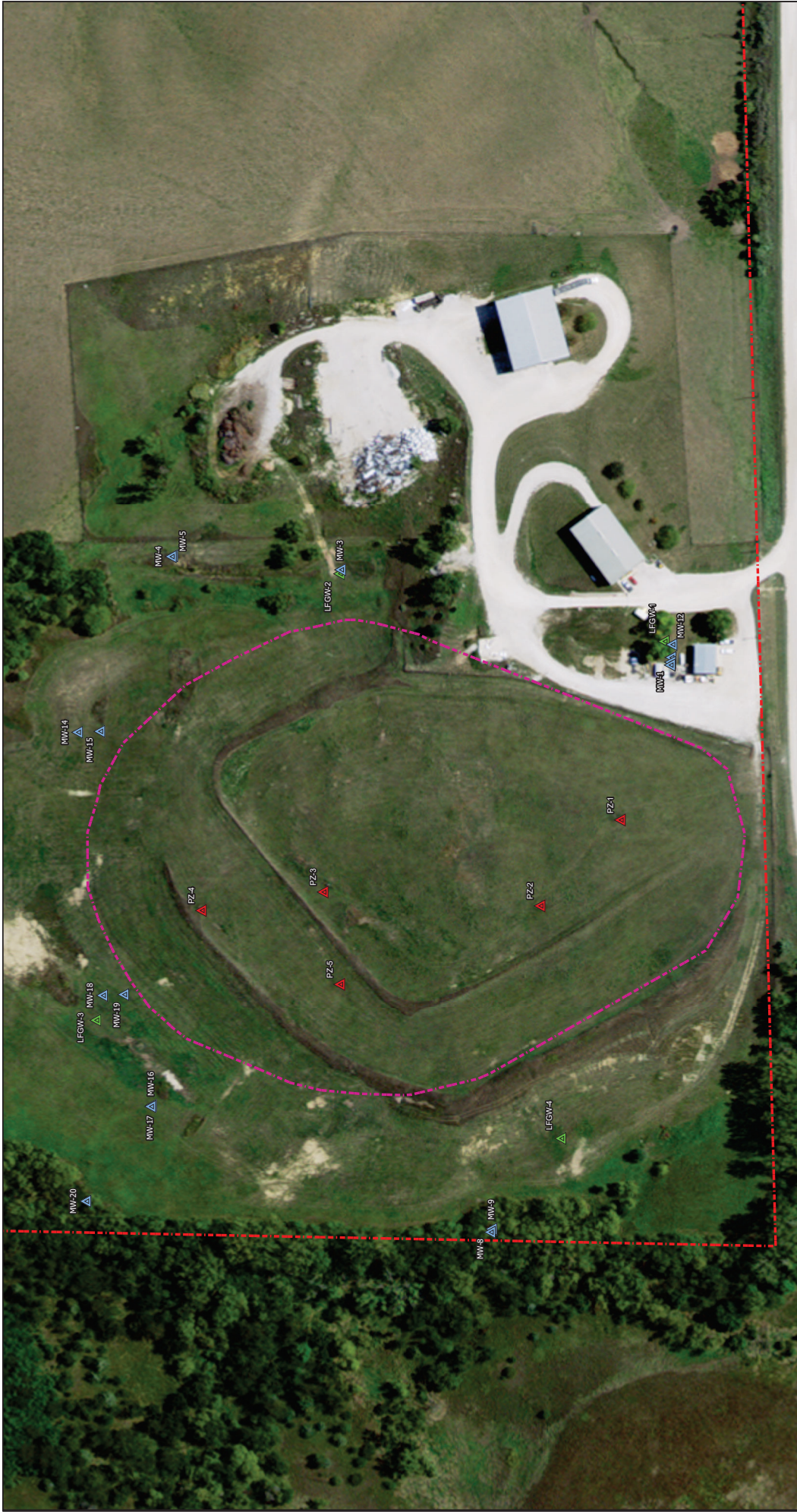
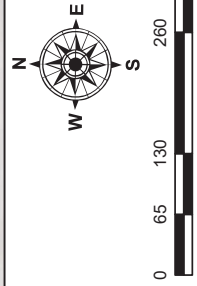


Figure 1



Guthrie County
Sanitary Landfill
Guthrie Center, Iowa
Project No: 27223271.24
Drawing Date: April 2024

Site Map

- Legend**
- ▲ Approximate Leachate Piezometer Location
 - ▲ Approximate Methane Monitoring Point Location
 - ▲ Approximate Monitoring Well Location
 - Approximate Waste Boundary
 - Approximate Property Boundary



DATE PLOTTED: 04/23/24 10:58 AM. PROJECT: GUTHRIE COUNTY SANITARY LANDFILL. DRAWING: MONITORING WELL LOCATIONS. SCALE: 1"=100'. DRAWN BY: J. HARRIS. CHECKED BY: J. HARRIS. APPROVED BY: J. HARRIS.

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 6, 2023
Phone: (641) 747-3764 **Date This Inspection:** April 15, 2024

At the Time of this Inspection:

- **Facility personnel present:** Dan Smith • **Surface conditions:** Dry
- **Wind direction and speed:** From East-Southeast at 20 mph • **Ambient temperature:** 80° 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 checked="" 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 2024 inspection.

1. Landfill vegetation was well-established and in good condition, with the exception of a number of small bare areas scattered throughout the landfill surface. The bare areas appeared to be associated with vegetative stress from landfill gas and were generally on flatter portions of the landfill surface. The area noted in the April 2023 site inspection with exposed waste has been addressed.
4. Erosion was generally not occurring in the bare areas noted in Item No. 1 with the exception of a small area southwest of leachate piezometer PZ-2 near the lower terrace and an area just below the lower terrace on the western edge of the waste boundary. Staff indicated that additional fill had been placed in the small area near PZ-2 since the previous inspection. It is recommended that any areas of erosion be filled and reseeded as necessary. No evidence of ponding was present at the time of this inspection.
6. No leachate seeps were observed during this inspection. Additional rock has been placed over time around the perimeter of the seep repair area upslope from the MW-16/17 well cluster. It is recommended that additional rock cover be placed as needed to cover any bare spots surrounding this area.
16. The perimeter fence, gate, and signs were generally in good condition.

AUTHENTICATION

INSPECTOR	Chris T. Calhoun, E.I.T.	Date: 4/23/2024
REVIEWER	Christine L. Collier, P.E.	Date: 4/25/2024