

March 27, 2025
File No. 27224515.25

Mr. Mike Smith, P.E.
Iowa Department of Natural Resources
Land Quality Bureau
6200 Park Avenue, Suite 200
Des Moines, Iowa 50321

Subject: 2025 Annual Inspection Report
Henry County Sanitary Landfill
Permit No. 44-SDP-01-75C

Dear Mike:

This report documents the annual inspection required by the Henry County Sanitary Landfill's (Landfill) Iowa Department of Natural Resources Sanitary Disposal Project Closure Permit and the Iowa Administrative Code. This inspection, conducted on March 20, 2025, by Timothy Buelow, P.E. of SCS Engineers, 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. This checklist provides a summary of noteworthy observations from the inspection.

The observations presented in this report are based upon data obtained from the field observations made at the site 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 Nathan Ohrt at (319) 331-9613.

Sincerely,



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




Nathan Ohrt
Senior Project Professional
SCS Engineers

TCB/NPO

Copies: Mr. Steven Brimhall, Henry County Solid Waste Commission
Iowa DNR Field Office #6
Mr. Tim Batey



Mike Smith
March 27, 2025
Page 2

 <p>Timothy C. Buelow 14445</p> <p>IOWA</p>	<p>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.</p> <p><u>Timothy C. Buelow</u> Timothy C. Buelow, P.E.</p> <p>License No. 14445</p> <p>My license renewal date is December 31, 2025.</p> <p>Pages or sheets covered by this seal: <u>2025 Henry County Landfill Annual Inspection Documentation – Report and Attachment A.</u></p> <p>Date: <u>3/27/2025</u></p>
--------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------



Site Map

Legend

- ▲ Approximate Monitoring Well Location
- ▲ Approximate Gas Monitoring Point Location
- ▲ Approximate Leachate Monitoring Location
- Approximate Waste Boundary
- Approximate Property Boundary

Henry County Sanitary Landfill
 Mt. Pleasant, Iowa
 Project No: 27224515.25
 Drawing Date: March 2025

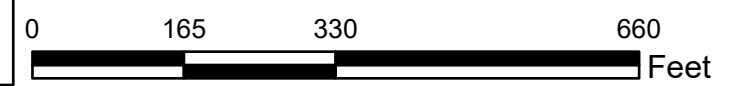
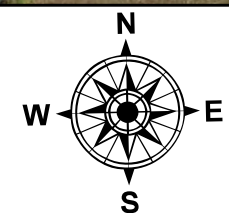


Figure 1



Map, TomTom, Garmin, F41, METI/NOAA, USGS, Esri, CIGNA, USGS, USDA NRIP, Iowa State University GIS Facility

ATTACHMENT A
OBSERVATION CHECKLIST

SCS ENGINEERS

**1690 All State Court, Suite 100, West Des Moines, Iowa 50265
Sanitary Landfill Inspection**

Permit #: 44-SDP-01-75C

Facility Name: Henry County Sanitary Landfill	Responsible Official: Steven K. Brimhall
County: Henry	Address: P.O. Box 302, Mt. Pleasant, IA
Facility Operator: NA	Phone: (319) 385-1470
Address: 2756 Kentucky Avenue, Mt. Pleasant, IA	Date Last Inspection: April 18, 2024
Phone: NA	Date This Inspection: March 20, 2025

At the Time of this Inspection:

Facility personnel present: John Boecker	Surface conditions: Damp to Soggy
Wind direction and speed: NW 14 mph	Ambient temperature: 43° 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 type="checkbox"/>	<input checked="" 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 type="checkbox"/>	<input checked="" 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: The comments below correspond to the numbered observation items listed above.

- Vegetation was generally well established on the surface of the landfill and many of the previously bare areas had begun to fill in with vegetation but were still present, generally in the northeastern area of the final cover. In most areas, the small areas of sparse vegetation were likely caused by landfill gas. The small cedar trees noted in the 2024 inspection had been recently cut.
- Noticeable erosion did not appear to be occurring on the final cover with the possible exception of minor erosion toward the outlet of the easternmost terrace in the terrace flowline. This area should be checked periodically and addressed if worsening erosion affecting the final cover becomes apparent. No action is recommended at this time. Minor ponding was present generally along the south waste boundary in intermittent areas extending from approximately monitoring well MW-9 to the western extent of the waste. Two small areas of ponding were noted along the upper terrace on the northern side of the landfill. The area had received rain and snow the previous day and overnight, however, no snow was present at the time of the inspection. In most cases, the ponding appeared transient as the vegetation in the observed ponded areas did not appear significantly stressed. No active response to the noted ponding is recommended at this time due to the antecedent precipitation associated with this inspection and the likely presence of frost at depth and dormant vegetation. The noted ponded areas should be observed later in the year after a period of no precipitation to assess the potentially transient nature of the ponded areas.
- The Commission implemented actions in fall 2024 to address the seep and erosion concerns noted in the 2024 inspection. There were no seeps observed during this inspection and the expansion/addition of cover rock placed in 2024 appeared more than adequate.
- The site does not have interior roads. Rocked access to the site is via entrances to the former Block Buster business located at the southwest corner of the site.
- The perimeter fence, gate, and sign were in good condition. Vehicle access is generally prohibited by the ditch located on the east side of the adjacent gravel road. The entrance to the site has a gate. One of the flush mount covers in the monitoring well MW-14/MW-15 well cluster was broken. A couple of bolts were also missing from other flush mount covers. These monitoring well surface completion concerns were discussed with the Commission the following day on March 21, 2025, at their quarterly meeting. The Commission authorized SCS Engineers to perform the necessary repairs. The repairs will be performed in spring/summer 2025.

AUTHENTICATION

INSPECTOR	Timothy C. Buelow, P.E. 	Date: 3/27/2025
REVIEWER	Nathan Ohrt 	Date: 3/27/2025