



109 Regency West Court
Fort Dodge, IA 50501
515-955-3635
evergreen-engineers.com

June 23, 2025

Mr. Brad Davison, ES
Iowa Department of Natural Resources
Solid Waste Section
6200 Park Ave, Suite 200
Des Moines, IA 50321

RE: Humboldt County Sanitary Landfill - Spring 2025 Biennial Landfill Inspection Report
Permit #46-SDP-02-83C; Evergreen Engineers #9041

RECEIVED

JUN 26 2025

Humboldt County Sanitary Landfill

Spring 2025 Biennial Landfill Inspection Report

Permit #46-SDP-02-83C

Evergreen Engineers Project #9041

Prepared for:

Mr. Brad Davison, ES
Iowa Department of Natural Resources

1. Executive Summary

The certified 2025 Biennial Inspection Report is based on a site inspection conducted on May 12, 2025, by Rick Pedersen (Chairman, Humboldt Landfill Commission) and Dave Minikis (Evergreen Engineers). The inspection found the landfill in good condition with no major issues.

2. Inspection Details

Date of Inspection: May 12, 2025
Inspectors: Rick Pedersen and Dave Minikis
Weather Conditions: Dry, clear skies, 86°F

3. Site Conditions and Observations

3.1 Cap Integrity

The north portion of the landfill, where fill, grade, and seeding were completed in 2017, was in excellent condition.

Grass vegetation was plush, green, and growing.

No evidence of runoff ponding or standing water was observed anywhere on the site.

The remainder of the site also showed well-established vegetation and no signs of erosion.

3.2 Boundary and Access

A boundary survey was completed and recorded on May 25, 2023, defining the new landfill boundary within the ±80-acre parcel.

Fencing has been constructed along the new boundary.

Site access is controlled by a locked gate, managed by Ben Loots, Humboldt County Engineer.

3.3 Vegetation and Maintenance

No deep-rooted plants or trees were observed inside or outside the new landfill boundary.

The Humboldt County Secondary Road Department will continue to monitor and maintain the site for erosion and ponding.

3.4 Leachate Management

No leachate seeps or stained soils were noted.

The leachate lagoon was measured to contain approximately 0.70 feet of leachate, leaving about 6.30 feet of storage capacity.

Leachate treatment is not currently needed.

4. Photographic Documentation

Photos were taken of the north side of the landfill, showing the repaired areas over old trench-filled solid waste locations.

Both images are labeled:



(North Side of Landfill Looking to the West)



(North Side of Landfill Looking to the West)

5. Conclusion and Recommendations

The landfill is in excellent condition with no immediate concerns. Continued monitoring and maintenance are recommended to ensure long-term compliance and environmental safety.

6. Contact Information

Prepared by:

A handwritten signature in blue ink, appearing to read "Eldon F. Rossow".

Eldon Rossow, P.E.
Evergreen Engineers
Eldon.Rossow@Evergreen-Engineers.com

CC:

Rick Pedersen, Chairman

IDNR Region 2

Ben Loots, P.E. – Humboldt County Engineer


SPRING 2025 BIENNIAL LANDFILL INSPECTION

FOR THE

HUMBOLDT COUNTY SANITARY LANDFILL

PERMIT #46-SDP-2-83C;

EVERGREEN ENGINEERS# 9041

	<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>Eldon F. Rossow</u> <u>6-23-25</u> ELDON F. ROSSOW (DATE)</p> <p>LICENSE NUMBER <u>7484</u></p> <p>MY LICENSE RENEWAL DATE IS DECEMBER 31, <u>2025</u></p> <p>PAGES OR SHEETS COVERED BY THIS SEAL: <u>All</u> _____ _____ _____</p>
---	---

SPRING 2025 BIENNIAL LANDFILL INSPECTION

FOR THE

CLOSED HUMBOLDT COUNTY SANITARY LANDFILL

PERMIT #46-SDP-2-83C; EVERGREEN ENGINEERS# 9041

Attached is the Biennial Inspection Report for the above facility.

Rick Pedersen – Chairman, Humboldt Landfill Commission and Dave Minikis – Evergreen Engineers completed a joint site inspection on May 12, 2025, and was found to be in good condition, well secured, and maintained. Surface conditions were dry during this visit.

Activity and Use Limitations

There was no exposed solid waste noted during this inspection. There are no residences, drinking water wells, or livestock grazing allowed within the closed Humboldt County Landfill Boundaries. There has been no excavation completed at this closed facility. Leachate stored in the on-site storage lagoon is monitored monthly by County Secondary Road Personnel. Treatment of leachate has not been needed over the last two years (2023 & 2024). The level of leachate measured in the lagoon during this biennial inspection was 0.70 feet. No leachate treatment is needed at this time.

Cap Integrity & Vegetation

The site was inspected for settlement (low areas), erosion, sparse vegetation, noxious weeds, woody plants, and vector activity. There was no evidence of settlement or low areas that could allow for ponding of storm runoff noted during this site visit. There was no evidence of ponding noted during this inspection. The grass vegetation was plush, green, and growing. There were no noxious weeds noted over the entire site. There were no trees or woody plants noted during this visit. There was no vector (rodent) activity noted anywhere over buried solid waste. There was no leachate seeps noted during this site visit.

Facilities / Site Security

The gated entrance was locked and secure upon arrival. Access to the landfill property is limited to county personnel only. All perimeter fencing was found to be in good shape during this inspection. There were no litter or debris noted at the site.

Attachments:

- Site Plat
- Inspection Checklist

SPRING 2025 BIENNIAL LANDFILL INSPECTION CHECKLIST

FACILITY: Humboldt County Sanitary Landfill; Permit #46-SDP-2-83C; Evergreen 9041

INSPECTOR (NAME): Evergreen Engineers

DATE: May 12, 2025 / 1:30 P.M.

WEATHER CONDITIONS: Clear - Windy / \pm 86°F

Check each item as observed. Plot general location of any noted deficiency on the attached site plat. Provide comments and explanation for each deficient condition.

ITEM	OBSERVED CONDITION
1. ACTIVITY AND USE LIMITATIONS	
a. Excavations Greater Than 2 Feet Deep	<u>None</u>
b. Exposed Solid Waste	<u>None</u>
c. Drinking Water Wells on Property	<u>None</u>
d. Residences With-in the Landfill Boundary	<u>None</u>
e. Livestock / Grazing With-in Landfill Boundary	<u>None</u>
2. CAP INTEGRITY & VEGETATION	
a. Ponding/low areas	<u>None</u>
b. Erosion (deeper than 6")	<u>None</u>
c. Area(s) of sparse or no vegetation	<u>None</u>
d. Noxious weeds	<u>None</u>
e. Plant discoloration	<u>None</u>
f. Woody plants (bushes/trees)	<u>None</u>
g. Vectors (Rodent) Activity	<u>None</u>
3. FACILITIES/SITE SECURITY	
a. Fencing (intact/integrity)	<u>In Place</u>
b. Signs (in-place/integrity)	<u>In Place</u>
c. Gate (locked)	<u>Locked</u>
4. LEACHATE SEEPS OR STAINED GROUND	<u>None</u>
5. LEACHATE LAGOON	<u>(See Comments)</u>
6. MONITORING WELLS	<u>Removed in 2024</u>

7. LIST ANY ADDITIONAL ITEMS WHICH WERE IMPLEMENTED FROM THE LAST REPORT:

Please note the new site boundary recorded on May 25, 2023.

All monitoring wells and leachate piezometers were removed August 12, 2024.

Continue to monitor leachate lagoon and treat when needed.

COMMENTS:

5 – The current leachate level stored in the lagoon was measured at 0.70 feet during this inspection. No leachate treatment is needed at this time.

