



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: Calhoun County Sanitary Landfill - Spring 2025 Biennial Landfill Inspection Report
Permit #13-SDP-01-72C; Evergreen Engineers #9042

Calhoun County Sanitary Landfill

Spring 2025 Biennial Landfill Inspection Report

Permit #13-SDP-01-72C

Evergreen Engineers Project #9042

Prepared for:

Mr. Brad Davison, ES

Iowa Department of Natural Resources

1. Executive Summary

This section summarizes the key findings of the inspection conducted on May 29, 2025. The landfill was found to be in good condition, with no major issues observed. The cap integrity and vegetation were healthy, and no leachate seeps or erosion were noted.

2. Inspection Details

Date of Inspection: May 29, 2025

Inspectors: Nick Buse (Calhoun County Engineer), Dave Minikis (Evergreen Engineers)

Weather Conditions: Dry, cloudy skies, 58°F

3. Site Conditions and Observations

3.1 Cap Integrity

The repaired section (completed in September 2020) showed plush, green vegetation. No erosion or ponding was observed. The remainder of the site also showed no signs of sparse vegetation or structural issues.

3.2 Vegetation and Maintenance

No woody or deep-rooted vegetation was found within the waste boundary. A few small cedar bushes were found outside the boundary and will be removed. No noxious weeds were observed. Mowing may occur during summer 2025.

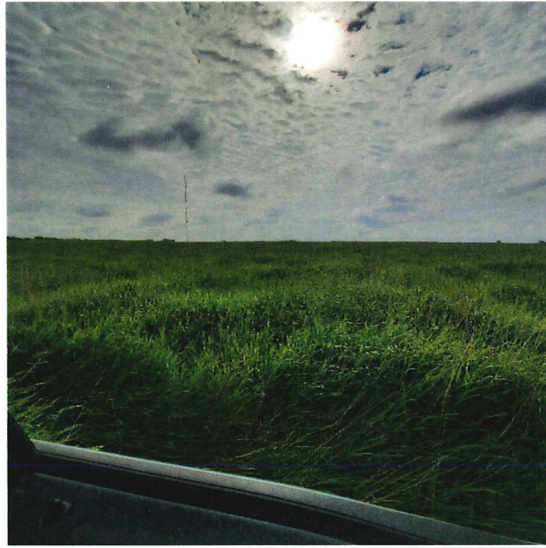
3.3 Environmental Compliance

No exposed solid waste or new waste placement since closure. No excavations or drinking water wells present. No signs of vector (rodent) activity or leachate seeps. Calhoun County conducts periodic monitoring and will report any necessary repairs in the next biennial report.

4. Photographic Documentation



(repaired portion of landfill looking to the West)



(repaired portion of landfill looking to the East)

5. Conclusion and Recommendations

The landfill is being properly maintained and monitored. No corrective actions are currently required. Continued monitoring and maintenance are recommended to ensure long-term compliance.

6. Contact Information

Prepared by:

Eldon Rossow, P.E.

Evergreen Engineers

Eldon.Rossow@Evergreen-Engineers.com

CC:

Nick Buse, Calhoun County Engineer

IDNR Region 2

ENVIRONMENTAL COVENANT
BIENNIAL INSPECTION REPORT - SPRING 2025
FOR THE
CLOSED CALHOUN COUNTY SANITARY LANDFILL
PERMIT #13-SDP-01-72C;
EVERGREEN# 9042



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.

Eldon F. Rossow
ELDON F. ROSSOW

6-23-25
(DATE)

LICENSE NUMBER 7484

MY LICENSE RENEWAL DATE IS DECEMBER 31, 2025

PAGES OR SHEETS COVERED BY THIS SEAL

Att

BIENNIAL INSPECTION REPORT – SPRING 2025
FOR THE
CLOSED CALHOUN COUNTY SANITARY LANDFILL
PERMIT #13-SDP-01-72C; EVERGREEN #9042

Attached is the biennial Inspection checklist for the above facility.

Nick Buse, Calhoun County Engineer, and Dave Minikis, Evergreen Engineers completed a joint site inspection on May 29, 2025 and found to be in good condition, well secured, and maintained. Surface conditions were noted to be 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 Calhoun County Landfill Boundaries. There has been no excavation completed at this closed facility.

Cap Integrity & Vegetation

The site was inspected for settlement (low areas), erosion, sparse vegetation, noxious weeds, woody plants, and vector activity. The area of landfill repaired in September 2020 had no low areas or evidence of ponding noted during this inspection. There was no evidence of settlement or low areas that could allow for ponding of storm runoff noted for the remainder of this site. The grass vegetation was plush, green, and growing over the entire site. There were no noxious weeds noted over the entire site. There were no woody plants noted during this inspection. There were no litter or debris noted at the site. No leachate seeps were noted during this site visit. There was no vector (rodent) activity noted anywhere over buried solid waste.

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.

Attachments:

- Site Plat
- Inspection Checklist

BIENNIAL LANDFILL INSPECTION CHECKLIST

FACILITY: Calhoun County Sanitary Landfill/Permit #13-SDP-01-72C; Evergreen #9042

INSPECTOR (NAME): Evergreen Engineers – D.M.

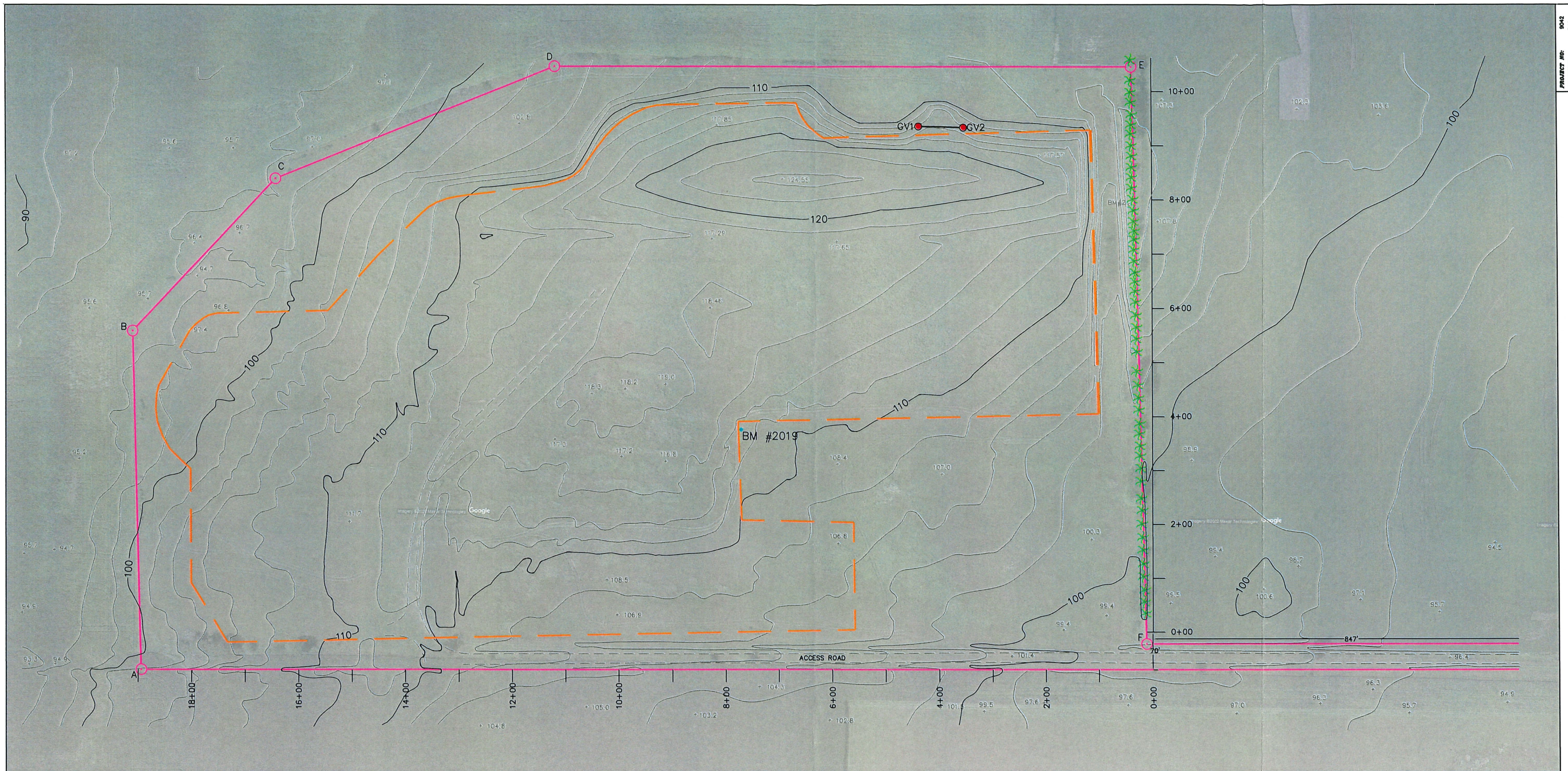
DATE: May 29, 2025 / 8:30 A.M.

WEATHER CONDITIONS: Cloudy / ± 58°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.

<u>ITEM</u>		<u>CONDITION</u> <u>(ADEQUATE/INADEQUATE OR YES/NO)</u>
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 Within the Landfill Boundary	<u>None</u>
e.	Livestock Grazing Within 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.	MONITORING WELLS	<u>Removed in 2024</u>
6.	LIST ANY ADDITIONAL ITEMS WHICH WERE IMPLEMENTED FROM LAST REPORT:	

COMMENTS: It is recommended that the site be mowed at least once annually.



LEGEND

PROPERTY BOUNDARY
SOLID WASTE FILL LIMITS
PROPERTY CORNERS
GAS VENT (GV1)



BENCHMARKS:

BM# 1 TOP OF PVC CASING ON MW18 (F.B.#77) ELEV. 101.77
BM# 2 TOP OF STEEL I-BEAM, SOUTH SIDE (F.B.#68) ... ELEV. 111.80
BM# 2019 5/8" IRON PIN w/PINK CAP ELEV. 114.09

NOTE:

THE COORDINATE SYSTEM AS SHOWN IS THE SAME AS WAS ORIGINALLY ESTABLISHED.

CONTOUR INTERVAL = 2 FOOT

TOPOGRAPHIC SURVEY

SITE PLAN – 2025 BIENNIAL INSPECTION



PORTIONS OF THIS MAP WERE COMPILED BY STEREOPHOTOGRAMMETRIC METHODS FROM AERIAL PHOTOGRAPHY DATED 03/23/89. REVISED BY GROUND SURVEY 11/09/93.

ORIGINAL PLAN DIGITIZED 11/04/2004.

IDNR PERMIT No. 13 – SDP – 01 – 72C

PROJECT NO: 5042
DESIGNER: D.M.
CHECKER: E.F.R.
DATE: 05/25
SHEET: 1

CALHOUN COUNTY SANITARY LANDFILL

EVERGREEN ENGINEERS
AND SURVEYORS, INC.
1000 WEST COUNTY
PORT JEFFERSON, NY
(516) 466-8888
www.evergreen-engineers.com

