

September 16, 2026

Mr. Brad Davison
Environmental Specialist
IDNR – Land Quality Bureau
6200 Park Avenue, Suite 200
Des Moines, IA 50321



**RE: SEMI-ANNUAL INSPECTION REPORT – FALL 2026
FAYETTE COUNTY SANITARY LANDFILL (CLOSED)
IDNR PERMIT NO. 33-SDP-02-83C
HLW P.N. 6041-24A.750**

Dear Mr. Davison,

In accordance with Special Provision X.6 of the SDP Permit dated June 20, 2013, a semi-annual inspection of the Fayette County Sanitary Landfill was personally conducted the morning of September 15, 2026. The results of the inspection were discussed with Joan Swenka, Administrator, upon completion. Conditions at the time of the inspection were overcast with occasional light rain and temperatures in the 60's.

Status of the Permit

The Fayette County Sanitary Landfill Closure Permit was issued on June 20, 2013. The facility has received the following amendments to the Permit to date:

- Permit Amendment #1, July 16, 2013, approved the construction of the Leachate Loadout Facility Improvements.
- Permit Amendment #2, December 27, 2013, approved the change in submittal date for the Annual Water Quality Report (AWQR) to February 28 of each year.
- Unnumbered Permit Amendment, July 10, 2014, required a review of total suspended solids (TSS) and turbidity testing. This requirement was addressed and a correlation between TSS and field turbidity was approved in Permit Amendment #5.
- Permit Amendment #3, March 29, 2016, modified the frequency of Full Appendix II assessment monitoring to once every five (5) years.
- Permit Amendment #4, March 29, 2016, modified the groundwater elevation measurement frequency to semi-annually (at a minimum), during groundwater sampling events.
- Permit Amendment #5, March 29, 2016, approved the correlation between TSS and field turbidity at a ratio of 3:1 (3 mg/L TSS:1 NTU) based on the TSS and Field Turbidity Report dated February 17, 2016 (Doc #85476).
- Permit Amendment #6, May 10, 2017, approved the reduction of leachate head level measurements to quarterly.
- Permit Amendment #7, October 11, 2018, approved the boring logs and construction documentation of MW-31 through MW-37; concurred with the recommendation to replace point of compliance wells MW-27 and MW-28 with MW-32 and MW-33 respectively; and granted additional time to evaluate water quality in MW-24 following well head repair.



- Permit Amendment #8, August 22, 2019, approved the Assessment of Corrective Measures Report (Doc #93290) and the "Response to May 8, 2019 IDNR Letter" dated August 8, 2019 (Doc #95687).
- Amended Closure Permit, November 8, 2023 (Doc #108179) amended Special Provision 5 (Hydrologic Monitoring System Plan (HMSP)) by removing the deep bedrock wells from the HMSP. This revision was based on the HMSP Modification request dated August 4, 2023 (Doc #107397).
- Closure Permit Revision, August 14, 2025 (Doc #113673) amended Special Provision 10A by reducing the frequency of explosive gas measurements from quarterly to semi-annually, amended Special Provision 11C by reducing the frequency of leachate head levels from quarterly to semi-annually, and added Special Provision 13 to the Closure Permit requiring the completion of a Reduction/Termination Plan (RTP) by June 20, 2038. The RTP has been submitted and approved (see discussion under Special Provision 13 below).

Special Provisions

1. The thirty (30) year post closure period began on June 20, 2013.
2. The site is being maintained in general accordance with the approved Closure and Post Closure Plan.
3. Upon closure of the landfill, waste disposal on site was replaced by the use of the Fayette County Solid Waste Transfer Station. Waste received at the Transfer Station is hauled to the Black Hawk County Sanitary Landfill for disposal. There are no waste disposal, composting, or other related landfill activities on the closed landfill site.
4. This Special Provision addresses the submittal of Final Cover documentation for Cells 1A, 1D, and 2A.
5. Monitoring wells observed during this inspection were locked.
6. Formal inspections of the closed landfill are completed semi-annually with observations from each inspection submitted to IDNR.
7. All drainage and diversion systems on the landfill were observed to be in good condition.
8. The vegetative cover on the landfill cap is in excellent shape. The majority of the site was mowed in 2022. Ms. Swenka reported that the County Conservation Director is consulted as needed to review vegetation and make recommendations.

Staff routinely walk the cap and remove trees as needed and evaluate the condition of the cap. Ms Swenka reported that saplings are cut and stumps treated to prevent regrowth.

The terrace intake repaired in the northwest corner of the site was observed. Settlement previously noted at the south corner of the apron was repaired.

An erosion rill was noted on the northwest corner of the cap, downgradient from the terrace intake, during the Fall, 2021 inspection. The erosion was repaired; however, a hole then formed in a portion of the repaired area. In late 2022, the hole was repaired. During the Fall 2025 inspection, three (3) holes were noted over the pipe downgradient of the intake, the pipe was visible in one of the holes. The three (3) holes were promptly repaired. The two (2) holes noted during the Spring, 2026 inspection had been repaired but have reoccurred. The locations of the holes were marked in the field and the approximate location of the areas needing repair are shown on the attached figure. Ms Swenka was aware of the holes and has already made arrangements to have Fayette County Conservation staff assist with the repairs later this fall when the vegetation dies down so visibility is improved. The holes have a small diameter (approximately 6 inches). The current plan is to increase the diameter of the holes so fill material can be compacted into the voids.

Three inactive rills were observed during the inspection: one in the upper terrace channel near GV-15, one on the slope southwest of MW-27, and one on the lowest terrace on the south side (near MW-30) outside of the historic waste boundary. There were no apparent changes to the rills in comparison to past inspections and the vegetation adjacent to the rills is in excellent condition. The rills will continue to be observed during future inspections. The approximate locations of the rills are shown on the attached figure.

The ponding in the lower terrace on the north side discussed in the Spring 2022, 2023, 2024, and 2025 inspections was present during this inspection. Vegetation in this area is well established; however, vegetation differences in the channel provide evidence that ponding occurs occasionally and is a temporary condition after rain events until the channel has a chance to drain to the drop pipe. The approximate location of the ponding is shown on the attached figure.

A rill was observed at the letdown (west end) of the lower terrace on the south side of the cap near Vent 25 in 2023. The rill was repaired and seeded in 2023 and again in 2024. Site vegetation is well established in the repair area and the rill does not appear to be active. The approximate location of the repair/rill is shown on the attached figure.

9. The integrity of the final cover is being maintained.
10. Methane monitoring is conducted semi-annually. Results are included with the AWQR.
11. Leachate is stored in a 15,000 gallon above ground storage tank and is hauled to the City of Oelwein POTW for treatment and disposal. Leachate head levels are recorded semi-annually and the volumes of leachate hauled for disposal will be included in the Leachate Collection System Performance Evaluation, which will be submitted with the AWQR.

IDNR has approved shutting down the leachate system for a five year demonstration period. Additional discussion is in the "Leachate System Shut Down Demonstration Period" section of this report below.

12. An ERRAP was previously submitted for the closed landfill as well as the Fayette County Solid Waste Transfer Station, which is located on the closed landfill property.
13. A Post-Closure Care Reduction/Termination Plan was submitted on March 25, 2024 (Doc #109577). The plan included a request to shut down the leachate collection system. IDNR requested additional information in support of the request on October 1, 2024. The supplemental information was included in the Post-Closure Care Reduction/Termination Plan submitted on May 29, 2026 (Doc #117239). IDNR approved the plan on September 8, 2026.

Based on observations during the inspection, the landfill facility appears to be in general conformance with the Closure Permit.

Annual Water Quality Report

The 2025 AWQR was submitted to IDNR on January 30, 2026 (Doc #115966). IDNR comments on the 2025 AWQR were received on June 23, 2026. No response was required.

The selected remedy from the 2018 Assessment of Corrective Measures (ACM) Report was installed in 2020. The performance evaluation of the ACM remedy is on-going in 2026. Less than 1 gpm was flowing into the Passively Engineered Conveyance System (PECS) associated with the ACM during the inspection.

Leachate System Shut Down Demonstration Period

A request to shut down the leachate collection system was contained in the Post-Closure Care Reduction/Termination Plan submitted on March 25, 2024 (Doc #109577) with the additional information requested by IDNR included in the Post-Closure Care Reduction/Termination Plan submitted on May 29, 2026 (Doc #117239).

IDNR approved shutting down the leachate collection system for a five year demonstration period on September 8, 2026. The demonstration period will run from January 1, 2027 to December 31, 2031. System shut down was discussed with Ms Swenka during the inspection. The valves will be closed and electric service disconnected from the system within a few days of January 1, 2027. The pumps will be removed but removal may not occur until Spring of 2027 depending on weather conditions this winter. Observations from the quarterly inspections required by the IDNR approval will be included in this section in future semi-annual inspection reports and future AWQR's.

Additional Comments

The site was last inspected by IDNR Field Office (FO) #1 on August 13, 2025. The report generated by the inspection contained no Requirements, Reminders, or Recommendations.

Leachate lines were cleaned on October 17, 2024. As per IDNR regulations leachate lines should be cleaned every 3 years.

2026 Financial Assurance documentation for this facility was received by IDNR on February 26, 2026 (Doc #116364) and approved on March 12, 2026 (Doc #116505).

The former small wet seep area noted in previous inspections at the toe of slope in the southwest corner of the site between MW-5 and GMW-2 was observed during this inspection. The soil surface in this area was moist during this inspection with no standing water or flow noted. Vegetation in this area continues to improve.

Staff generally repair erosion rills and reseed areas on an as-needed basis. The overall appearance of the closed landfill is excellent.

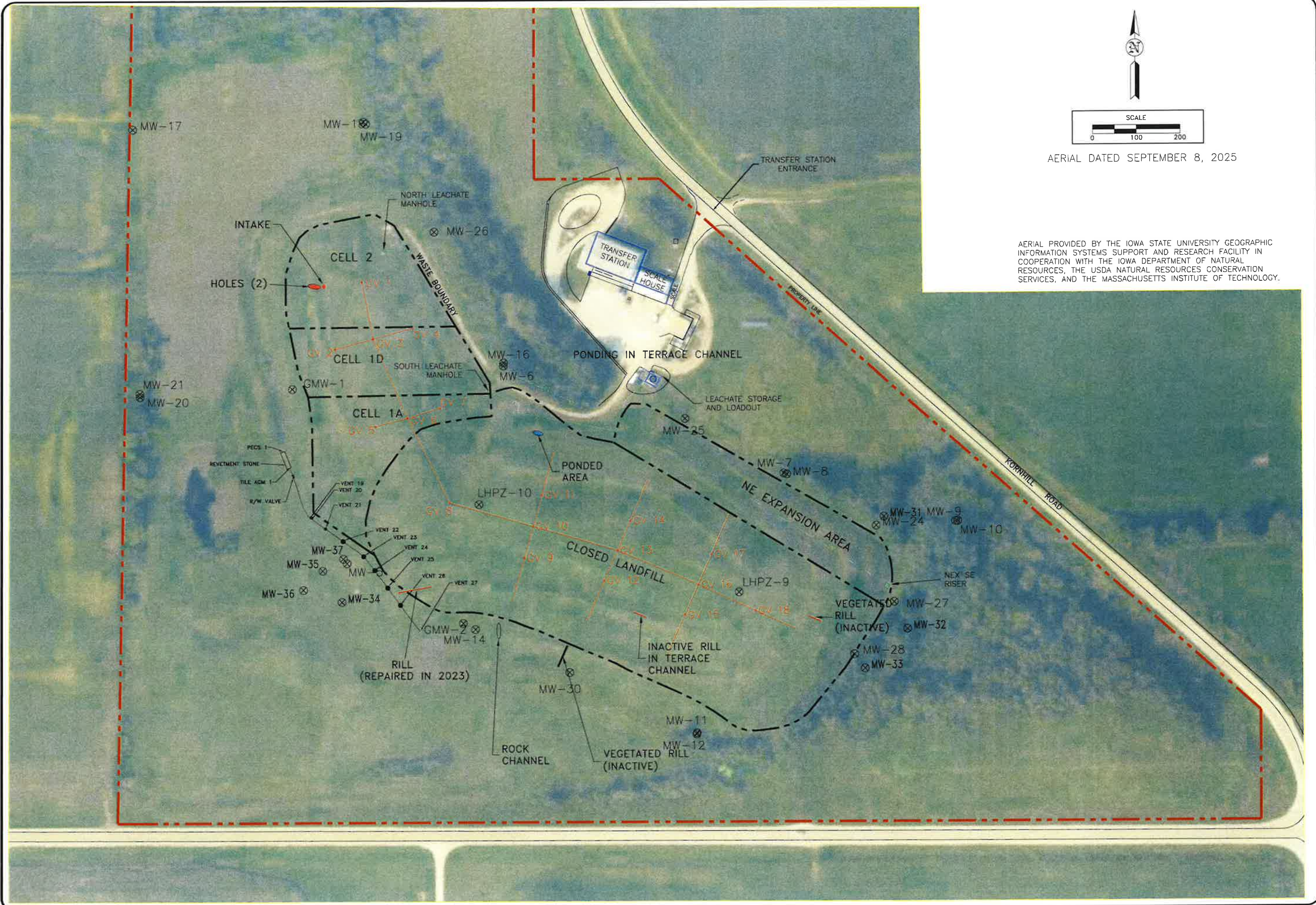
This report is based on observations made at the site at the time of the inspection and the information sources referenced in the report. This report does not reflect the typical variations experienced at the site throughout the year or variations in conditions that may be observed at the site at other times.

Recommendations

1. Repair the two (2) holes downgradient from the terrace intake in the northwest corner of the site.
2. Continue to monitor all repaired areas and reseed if needed.
3. Continue to monitor the inactive rills for signs of instability.
4. Continue to monitor vegetation and erosion and repair as necessary.
5. Continue tree removal as needed.
6. Continue to monitor the ponded area in the terrace channel.
7. Continue to monitor diversion and drainage systems and repair as necessary.



cc: Jeff Bunn, Chair, Fayette County Solid Waste Management Commission (electronic copy)
Joan Swenka, Administrator, Fayette County Solid Waste Management Commission (electronic copy)



SCALE
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AERIAL DATED SEPTEMBER 8, 2025

AERIAL PROVIDED BY THE IOWA STATE UNIVERSITY GEOGRAPHIC INFORMATION SYSTEMS SUPPORT AND RESEARCH FACILITY IN COOPERATION WITH THE IOWA DEPARTMENT OF NATURAL RESOURCES, THE USDA NATURAL RESOURCES CONSERVATION SERVICES, AND THE MASSACHUSETTS INSTITUTE OF TECHNOLOGY.

FALL 2026
INSPECTION
FAYETTE COUNTY SANITARY LANDFILL
FAYETTE, IOWA

HLW Engineering Group
204 West Broad Street, P.O. Box 314
Story City, Iowa 50248
Phone: (515) 733-4144
FAX: (515) 733-4146



FIGURE: 1		NO.	DATE
REVISION			
DRAWN DRA/JGH	PROJECT NO. 6041-24A		DATE 9/15/26