October 15, 2026

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

HLW Engineering Group
Engineering Management

RE: SEMI-ANNUAL INSPECTION – FALL 2026
JONES COUNTY SANITARY LANDFILL
IDNR PERMIT #53-SDP-01-76C - CLOSED
HLW PN 6038-25A.750

Dear Mr. Davison:

In accordance with Special Provision X.6 of the SDP Permit dated September 4, 2008, a semi-annual inspection of the Jones County SLF was personally conducted on the morning of October 14, 2026. Tami Michaud, Director/Operations Manager, and Russ Benke, Chair of the Jones County Solid Waste Management Commission accompanied me on the inspection. Conditions at the time of the inspection were clear with light winds and temperatures in the 60's.

Status of the Permit

The Closure Permit was issued on September 4, 2008 (expires September 4, 2038). The facility has received the following amendments to the Permit to date:

- Permit Amendment #1, November 17, 2011, incorporates the Landfill Closure Compliance Report (December 29, 2008 – Doc #35359) and the Landfill Closure Compliance Comments (November 2, 2011 – Doc #67467) into the permit documents.
- Permit Amendment #2, August 28, 2012, approved the variance and changes to the HMSP to conduct groundwater monitoring in accordance with IAC 567-113.10(4) and 113.10(5). Updated Special Provision X.5 of the SDP Permit.
- Unnumbered Permit Amendment, May 22, 2013, eliminated the requirement to submit a Semiannual Water Quality Report.
- Unnumbered Permit Amendment, July 10, 2014, required a review of total suspended solids (TSS) and turbidity testing. Sampling procedures have been modified to address this amendment, and a letter discussing TSS and field turbidity measurements was submitted to IDNR on August 18, 2015 (Doc #84119). The TSS/field turbidity correlation in the submittal was approved by IDNR on September 16, 2016.
- Permit Amendment #3, June 4, 2015, approved the five (5) year frequency of full Appendix II Assessment Monitoring at wells where two (2) consecutive annual episodes have been completed.
- Revised Permit #1, September 29, 2017, approved modifications to the gas monitoring plan including incorporating gas probe installation documentation for GP-1, GP-2, GP-3, and GP-4 into the permit. Also incorporated Permit Amendments #1, #2, and #3 into the permit.
- Revised Permit #2, July 30, 2018, approved changing the frequency of methane monitoring to semi-annually.
- Revised Permit #3, September 28, 2018, revised the permit to require the use of IDNR's standard Annual Water Quality Report template.

- Revised Permit #4, August 14, 2020, revised the permit to incorporate the IDNR approval of the Corrective Action Plan and the associated Corrective Action Monitoring Program.
- Revised Permit #5, May 13, 2021, revised the permit to incorporate the IDNR approval of the "Construction Certification, Gas Vent Trench Installation" dated May 7, 2021 (Doc #100434) and to update the gas vent monitoring component of the Corrective Action Monitoring Program.
- Revised Permit #6, April 13, 2022, approved changing the frequency of leachate elevation measurements from quarterly to semi-annually. Revised Special Provision X.12.c.
- Revised Permit #7, October 4, 2024, modified the Hydrologic Monitoring System Plan due to the completion of the Corrective Action.

Special Provisions

1. The thirty-year post closure period began on September 4, 2008.

2. The closed landfill is being maintained in general accordance with the approved Closure and Post Closure Plan.

3. There are no waste disposal or related activities taking place on the closed landfill.

4. The closure documentation required by this special provision was incorporated into the Closure Permit in Revised Permit #1 dated September 29, 2017.

5. Water quality monitoring is being completed in accordance with Permit Revision #7.

   All monitoring wells viewed during this inspection were locked.

6. Formal inspections of the closed landfill are completed semi-annually, with a report submitted to IDNR.

7. The diversion and drainage systems are maintained and are in good condition.

8. The site is mowed and reseeded as necessary to maintain good vegetative cover. The site was mowed in 2026.

   The majority of the vegetation on the cap is in excellent condition. There are some spots where the vegetation appears stressed/thin, the most significant of these spots are shown on the attached figure. The Commission has rented a backhoe and will be installing gas vents in some of the stressed/thin vegetation areas to try to improve the vegetation.

   Tree removal has greatly improved over that noted during past inspections.

9. The final cover is being maintained and is in generally good condition.

10. Semi-annual methane gas monitoring is conducted and includes Gas Probes 1, 2, 3, and 4, headspace monitoring in MW-6 and MW-11, and Gas Vents E1 through E6 and W1 through W6. Methane gas monitoring results will be included in the Annual Water Quality Report.

11. Based on a risk assessment, the closed landfill does not require a leachate control plan.

12. Leachate collection piping was installed in 1994 and 1998 to intercept various leachate seeps. The leachate is pumped to two underground leachate storage tanks. Collected leachate is hauled to the Cedar Rapids WPCF for treatment/disposal.

13. The site has closed since the ERRAP was completed; however, the majority of the ERRAP is still applicable to the closed landfill.

Annual Water Quality Report

The 2025 Annual Water Quality Report (AWQR) for the Jones County Sanitary Landfill was submitted to IDNR on January 30, 2026 (Doc #115957). IDNR comments on the 2025 AWQR were received on May 21, 2026 (Doc #117186). No response was required.

The 2026 Spring Water Quality Notification letter was submitted to IDNR on April 28, 2026 (Doc #116974).

A request to modify the Hydrologic Monitoring System Plan (HMSP) to reclassify MW-11 as a background monitoring well was submitted to IDNR on February 2, 2026 (Doc #115992). IDNR approved the request on February 11, 2026.

The Assessment of Corrective Measures (ACM) Report was submitted to IDNR on December 2, 2019 (Doc #96470) and approved in the IDNR letter dated May 5, 2020. The selected remedy from the ACM chosen by the Commission (Targeted Vent Trenches coupled with a natural attenuation zone) was conveyed to IDNR in the submittal dated July 9, 2020 (Doc #98050). The submittal also included the Corrective Action Plan (CAP) and the associated Corrective Action Monitoring Program (CAMP). The selected remedy, CAP, and CAMP were approved by IDNR in Revised Permit #4 dated August 14, 2020. Installation of the vent trenches was completed in 2021 and was documented in the "Construction Certification, Gas Vent Trench Installation" dated May 7, 2021 (Doc #100434). The documentation was approved by IDNR in Revised Permit #5 dated May 13, 2021. Permit Revision #7 recognizes that the corrective action has been completed.

Financial Assurance

The Jones County Solid Waste Management Commission received a deadline extension for the 2026 Financial Assurance documentation to July 31, 2026 (Doc #116808). The 2026 Financial Assurance documentation was submitted on July 16, 2026 (Doc #117608). IDNR approved the financial assurance documentation on July 20, 2026 (Doc #117664).

Additional Comments

The leachate storage/loadout system appeared to be in working order and no apparent issues were noted. There were no wet areas around the manways. No wet areas were noted in the driveway areas. Staff unplugged the culvert inlet west of the loadout. Ms Michaud reported that additional work would be done in this area to improve surface water flows.

Observation of the leachate pump station on the east side of the site and area surrounding the leachate pump station did not indicate wet areas or evidence of overflow.

The leachate lines were cleaned in the summer of 2023. As per IDNR regulations leachate lines should be cleaned every 3 years (2026).

One leachate seep was noted in the northeast corner of the landfill above the seepage collection piping during this inspection (see attached figure). The ground surface in the seep area was wet with minor amounts of standing water but no flowing leachate observed. There was evidence of wildlife activity in the area. This area should be monitored during future inspections to determine whether the condition is improving or deteriorating.

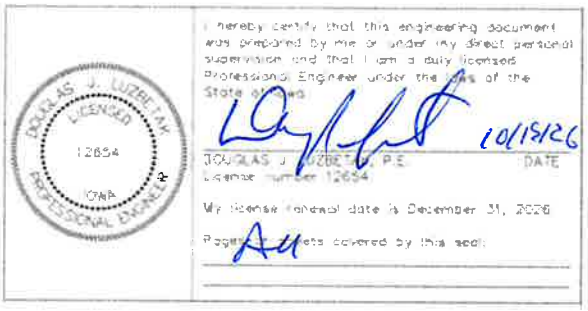
The site was last inspected by IDNR Field Office #1 on July 6, 2026. The visit resulted in a Notice of Violation (NOV) being issued. The NOV listed the Requirements below:

1. *Remove all trees and woody vegetation from the landfill. Continue monitoring treated areas and control and regrowth through cutting or herbicide applications as necessary.* Tree removal is continuing and staff inspects the cap frequently.
2. *Mow the landfill annually to maintain the vegetative cover and discourage woody vegetation from becoming established.* The majority of the landfill was mowed in 2026.
3. *Fix small erosion area on southeast side of landfill and establish vegetation.* This area was not observed during this inspection.

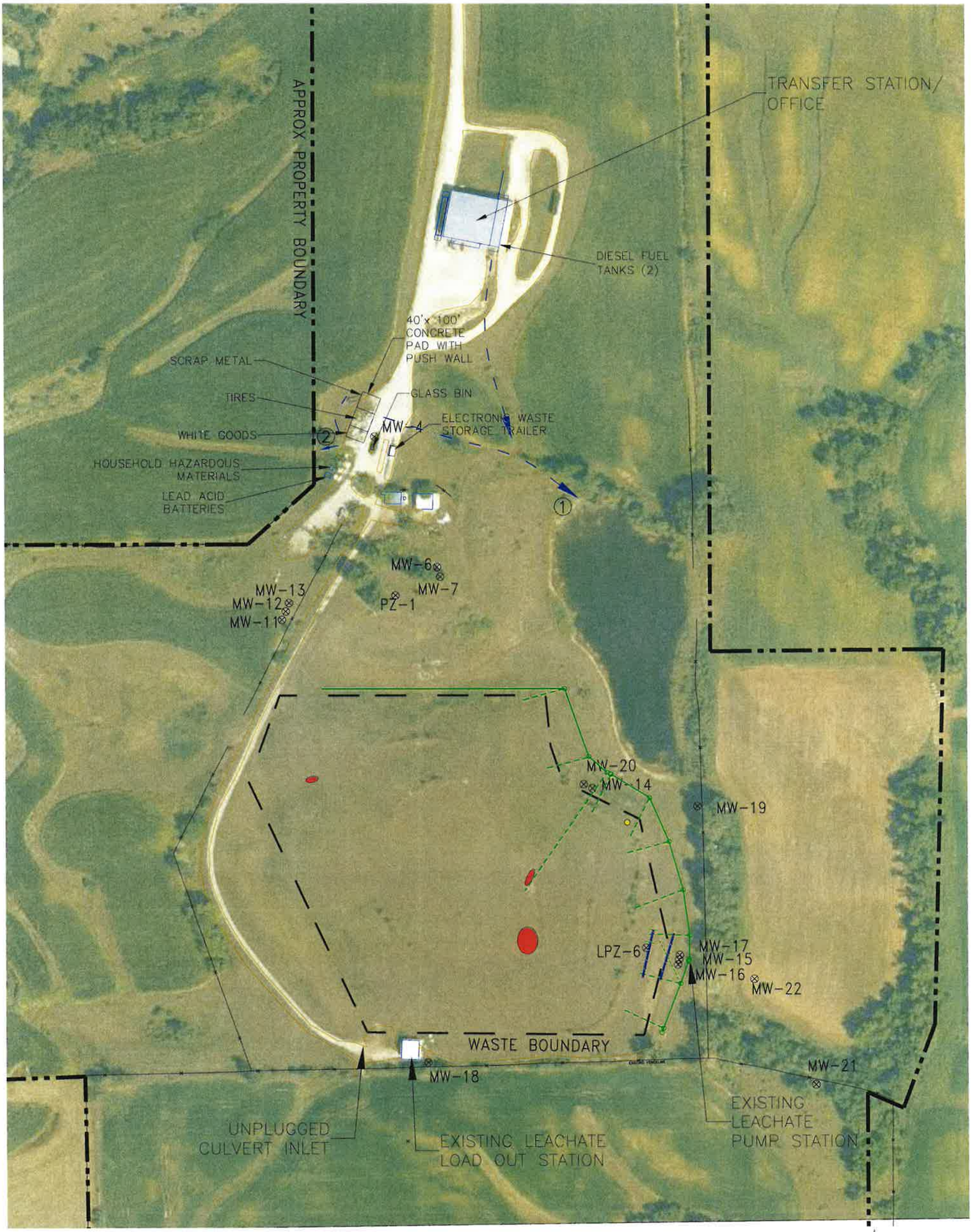
This report is based on observations made at the site at the time of the inspection and the information sources referenced in the report. This report does not reflect typical variations experienced at the site throughout the year or variations in conditions that may be observed at the site at other times.

Recommendations

1. Continue to monitor the leachate seep area in the northeast corner of the site.
2. Clean the leachate lines.
3. Continue to monitor the areas with bare/stressed vegetation on the cap.
4. Continue mowing the cap and tree removal from the cap and terraces.
5. Continue to monitor vegetation and erosion and repair as necessary.
6. Continue to monitor diversion and drainage systems and repair as necessary.



cc: Tami Michaud, Director/Operations Manager, Jones County Solid Waste Management Commission (electronic copy)



LEGEND

- PROPERTY BOUNDARY
- WASTE BOUNDARY
- EXISTING LEACHATE CONVEYANCE PIPE
- EXISTING LEACHATE COLLECTION PIPE
- EXISTING 10' CONTOUR
- EXISTING 2' CONTOUR
- PROPOSED VENT TRENCH
- SILT FENCE (NEW)

BARE/STRESSED VEGETATION AREA

SEEPS

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.

AERIAL DATED SEPTEMBER 1, 2023

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FALL 2026 INSPECTION

JONES COUNTY SANITARY LANDFILL
JONES COUNTY, IOWA

FIGURE: 1

REVISION	NO.	DATE
DRAWN JGH	PROJECT NO. 6038-25A	DATE 10/15/26