

April 22, 2026

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



**RE: SEMI-ANNUAL INSPECTION – SPRING 2026  
MONONA COUNTY SANITARY LANDFILL  
IDNR PERMIT #67-SDP-01-75P  
HLW PN 6036-25A.750**

Dear Mr. Davison:

In accordance with the General Provisions of the SDP Closure Permit dated January 19, 2016, a semi-annual inspection of the Monona County SLF was personally conducted the morning of April 16, 2026, with the results being discussed with Logan Persinger, Manager, after the inspection. Conditions at the time of the inspection were clear with a slight breeze and temperatures in the 60's.

The landfill stopped accepting waste as of November 1, 2014, and the landfill closed with a 4' soil cap in accordance with the approved closure/postclosure plan. Construction of the closure cap was completed on September 14, 2015. Terraces, letdown piping, and seeding were also included in the closure project. A Quality Control and Assurance Report/Closure Compliance Report was submitted to IDNR on September 23, 2015 (Doc #84296). This document was approved in Special Provision X.2.c of the SDP Closure Permit dated January 19, 2016. A notification was filed and recorded with the Monona County Recorder on September 9, 2015 to notify potential future purchasers of the property that the land was once used as a landfill facility. A copy of the notification was included in the report referenced above.

### **Status of the Permit**

The Sanitary Disposal Project Closure Permit for the Monona County SLF was issued on January 19, 2016. The facility has received the following amendments to the Permit to date:

- Permit Amendment #1, May 3, 2016, incorporates the Construction Documentation Form and Boring Log for MW-3R, as well as the Well Plugging Record for MW-3 into the permit documents.
- Permit Amendment #2, July 13, 2017, incorporates the Abandoned Water Well Plugging Record forms for MW-2, PZ-2, MW-8, and PZ-8 into the permit documents. It also acknowledges the inability to locate temporary groundwater monitoring well TMW-1.
- Permit Amendment #3, March 26, 2019, 1) authorizes the permit holder to discontinue sampling and analysis as required by 567 IAC 114.26(4)"d" and conduct sampling and analysis for total recoverable metals; 2) authorizes the temporary suspension of sampling for indicator parameters in accordance with 114.26(4)"e" and "f"; 3) reduces the frequency of routine site inspections from monthly to semiannually; and 4) reduces the frequency of leachate head measurements from monthly to quarterly.

- Permit Amendment #4, August 2, 2019, 1) eliminates the requirement to install a third downgradient water table monitoring well; and 2) changes MW-3R and MW-4 from downgradient monitoring points to background monitoring points.
- Un-numbered Permit Amendment, January 16, 2020, required the Annual Water Quality Report (AWQR) to be submitted in the IDNR format.

IDNR approved a variance to IAC 114.26(4)d, e, and f on March 25, 2019 to discontinue collection of filtered samples and conduct sampling and analysis for total recoverable metal in its place. This variance was incorporated into the SDP Closure Permit in Permit Amendment #3.

IDNR approved a variance to IAC 567-114.22(2) on August 2, 2019 to reduce the number of downgradient monitoring wells required to two (three are required by rule). This variance was incorporated into the SDP Closure permit in Permit Amendment #4.

### **Annual Water Quality Report**

The 2025 Annual Water Quality Report (AWQR) was received by IDNR on November 24, 2025 (Doc #114872). IDNR comments on the AWQR were received on April 8, 2026 (Doc #116807). No response is required.

### **Monitoring Well Maintenance Performance Reevaluation Plan**

The most recent Monitoring Well Maintenance Performance Reevaluation Plan (MWMPRP) was submitted to IDNR for review on May 10, 2024 (Doc #110033). The report recommended no changes to the monitoring well system or the Hydrologic Monitoring System Plan. As per IDNR Regulations, the MWMPRP is required every 5 years.

### **Financial Assurance**

The 2026 Financial Assurance Documentation was received by IDNR on January 14, 2026 (Doc #115692) and approved on March 2, 2026 (Doc #116310).

### **Special Provisions**

1. The 30 year closure/postclosure period began on January 19, 2016.
2. The site will be maintained in accordance with the closure permit.
3. The Spring groundwater sampling was completed on April 16, 2026.
  - a. Samples are collected from MW-1, MW-3R, MW-4, MW-5, and MW-7.
  - b. Water levels are measured at LW-1, PZ-1A, PZ-4, PZ-5, and PZ-7
  - c. Addressed by Permit Amendment #1 (Doc #86174)
  - d. Sampling is completed in accordance with Permit Amendment #4 and the AWQR comment letter dated March 16, 2023.
  - e. No change.
  - f. No change.

4. As per this provision, monthly inspections of the site are required for the first year after issuance of the Closure Permit at a minimum. Permit Amendment #3 reduced the inspection frequency from monthly to semi-annually.
5. Diversion and drainage systems were damaged by a large rain event shortly after completion of the closure cap. Repairs to the cap and the ditch checks east of the closure area were made after the initial damage. Cap repairs have been documented in past inspection reports. There is still some erosion present in the upper ditch checks, but the ditch between the ditch checks is well vegetated and appears stable. Erosion repair will continue as needed. Diversion and drainage systems are also discussed under “Additional Comments” below.
6. The vegetative cover is continuing to improve. Staff continues to re-seeded portions of the cap where vegetation was previously damaged or where erosion repairs have been made and vegetation is becoming established. Volunteer tree removal is on-going with a few cottonwood and cedar saplings noted on the cap during the inspection. Vegetative cover is discussed in more detail under “Additional Comments” below.
7. Refer to Items 5 and 6.
8. The frequency of explosive gas monitoring was reduced to semi-annually in accordance with the June 13, 2024 IDNR letter. Explosive gas monitoring is conducted by HLW during the April and October groundwater sampling events. Results will be included in the AWQR.
9.
  - a. The facility does not have a leachate control system.
  - b. Leachate was measured by HLW staff in LW-1 on April 16, 2026. The measured leachate thickness was 0.1 ft. LW-1 will be measured next during the Fall, 2026 sampling event.
  - c. The frequency of leachate level measurements has been reduced to semi-annually in accordance with the June 13, 2024 IDNR letter.
  - d. No change.
10. The ERRAP submitted and dated November 2011 is still generally applicable to the closed facility.

Based on observations during the inspection the facility appears to be operating in general conformance with the closure permit.

### **Additional Comments**

The tile blowout just below the crest of the northernmost terrace southwest of LW-1, noted during the Spring, 2025 inspection, has been repaired by staff. The repair area was reviewed during the inspection with no additional damage observed.

A 12-inch tile was partially exposed at the base of slope on the northernmost terrace. Mr. Persinger indicated that this tile had been repaired following damage by the mower in late 2025. Mr. Persinger intends to bury the tile again in 2026 now that the repair has been demonstrated to be successful.

A historic rill in the slope of the northernmost terrace (toward the west end) experienced some damage during the fall 2025 mowing. Mr. Persinger was aware of the damage and indicated the damage would be repaired in 2026 and reseeded.

A small area of apparent temporary ponding was evident in the terrace channel (see map) on the terrace immediately north of the southernmost terrace. It appears that minor grading of the terrace channel toward the intake to the west will alleviate the temporary ponding. Mr. Persinger indicated that he would address the ponding in 2026.

The landfill staff continues to make repairs to erosion rills in the erosive layer as needed.

A well vegetated historic rill was noted on the northwest slope of the cap at the approximate location shown on the attached figure. The rill is well vegetated and based on the condition of vegetation in this area, the rill does not appear to be active. No waste is exposed in the rill.

A vegetated rill was noted below the easternmost terrace due west of MW-4. The rill appears stable and no waste was exposed.

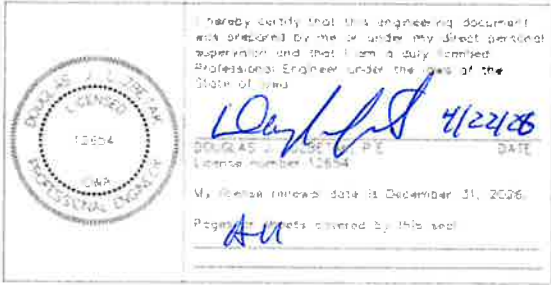
Ditches were free of debris and were draining as intended.

Portions of the landfill cap were mowed in 2025.

IDNR conducted a permit compliance inspection of the landfill on October 29, 2024. The site was described as having no ponded water and strong vegetation. No deficiencies were noted. A letter was issued to the facility on November 6, 2024 (Doc #111297).

**Recommendations**

- 1. Cover exposed 12 inch tile.
- 2. Repair damage to historic rill.
- 3. Grade terrace channel to restore flow toward the intake.
- 4. Continue to remove trees and saplings on the cap and in the drainage ways.
- 5. Continue to monitor vegetative rills and repair as necessary.
- 6. Continue to remove accumulated sediment from sediment basin, terrace channels, and drainage ways as needed.
- 7. Continue to monitor diversion and drainage systems and repair as necessary.



cc: Logan Persinger, Manager, Monona County Landfill (electronic copy)

**LEGEND**

	PROPERTY BOUNDARY
	WASTE BOUNDARY
	BORROW AREA BOUNDARY
	TERRACE
	TERRACE TILE
	PIEZOMETER/MONITORING WELL
	TERRACE INTAKE

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 JULY 28, 2025



PONDED WATER



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

SPRING 2026 INSPECTION

MONONA COUNTY SANITARY LANDFILL  
 MONONA COUNTY, IOWA

**FIGURE: 1**

REVISION	NO.	DATE
DRAWN	JGH	
PROJECT NO.	6036-24A	DATE
		4/21/26