

October 14, 2025

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



RE: Ida County Sanitary Landfill
Semi-Annual Inspection – Fall 2025
Permit #47-SDP-1-76C

Dear Mr. Davison,

The Fall semi-annual inspection of the Ida County Sanitary Landfill was conducted on October 10, 2025. Weather conditions were clear with a light breeze and temperatures in the 70's.

Status of the Permit

The SDP Closure Permit was issued April 16, 2008 and expires April 16, 2038. A revised Closure Permit was issued on May 1, 2025. Previous permit amendments have been incorporated into the revised Closure Permit.

Ida County established and permitted a Citizens Convenience Center (CCC) for waste from rural residents. This facility is open Saturday mornings only. All other waste is directly hauled to the Cherokee County Sanitary Landfill. The recycling building continues to be used for temporary storage of recyclables as well as housing the CCC solid waste roll-off container. The SDP Permit for the CCC expires on October 16, 2028.

The following summarizes the provisions of the Ida County Sanitary Landfill closure permit and describes the current conditions of the site.

PERMIT PROVISION STATUS

General Provisions

1. The 2025 Financial Assurance documentation was submitted to IDNR on July 15, 2025 (Doc# 113453) and approved on July 17, 2025 (Doc# 113570)
2. Semi-annual inspection reports are being submitted as required in the permit.

Special Provisions

- 1-4. The Ida County Sanitary Landfill stopped accepting waste October 1, 2007. Final cover and erosion control structures were constructed during July, 2008 with the closure cap seeded during August, 2008. Special Provision X.4 of the SDP Closure Permit required submittal of a Closure Compliance Report prior to December 31, 2008. A Closure Compliance Report Supplement, including results from Shelby tube hydraulic conductivity testing of the infiltration layer of the constructed cap, was submitted to IDNR November 2, 2016 (Doc #87601), and approved in Permit Amendment #4, April 28, 2017.

5. The Fall semi-annual sampling in accordance with Special Provision 5 was conducted on October 10, 2025. All monitoring wells were found to be in good condition and locked.
6. Drainage and diversion systems are regularly inspected with repairs made as necessary. Historically ditch cleanings have been used to spot-repair erosion and to encourage vegetative growth.

No ponding was noted in the terrace channels during this inspection.

The corrugated metal pipe at the lower terrace road and the erosion along the road on the east side of the landfill (originally noted during the Fall, 2019 inspection) were repaired in the summer of 2024. The area was seeded upon completion but emergence was poor as of the May 8, 2025 inspection. Vegetative cover in this area is much improved as of this inspection.

7. The vegetation has become fairly well established over the majority of the cap. Some sparse vegetation and bare areas do exist as illustrated on the attached figure with no significant erosion noted in the bare areas.

Routine mowing has improved vegetation conditions significantly over the past few years. The landfill cap was mowed in 2025.

Numerous small cedar trees were noted on the northern portion of the east slope. A few small cedar trees were noted in the middle terrace.

Some trees are present on the east toe slope by the let-down discharge. The trees appear to be outside of the historic waste boundary; however, due to their proximity to the waste boundary they should be removed.

8. No damage to the effectiveness or integrity of the final cover was noted during this inspection,
9. Explosive gas monitoring results will be submitted with the 2025 Annual Water Quality Report.

Methane gas readings were detected in the office during the Spring 2025 monitoring event (April 1, 2025). Detection was lower than the Lower Explosive Limit. As noted in previous reports the intermittent methane detected during previous sampling events is believed to be associated with the septic sewer system. There is no running water on site and the pipe traps on the toilet and sink are frequently observed to be dry. The office is occupied infrequently and usually just when the CCC is open. No gas was detected during the October 10, 2025 monitoring event in the office, the warehouse space of the office building, in any other buildings, or anywhere else around the landfill.

The IDNR is aware of the intermittent sewer gas detection in the office and has indicated reoccurring detections in this location do not require repeated notifications.

10. The IDNR letter dated March 5, 2020 (Doc #97158) authorized the reduction in the frequency of leachate piezometer measurements from quarterly to semi-annually; however, the revised Closure Permit issued May 1, 2025, requires quarterly leachate level measurements. Semi-annual measurements, in accordance with the March 5, 2020 letter, are continuing. A request will be included in the 2025 AWQR to revise the permit to reference the semi-annual leachate piezometer measurements.

PZ-4 could not be located during the inspection and appears to have been damaged during mowing. PZ-6 could not be measured during the inspection due to an obstruction in the well. Additional discussion regarding PZ-4 and PZ-6 will be included in the 2025 AWQR.

11. The site has closed since the Emergency Response and Remedial Action Plan (ERRAP) was completed; however, the majority of the ERRAP is still applicable to the closed landfill. The Citizens Convenience Center, which is located on the closed landfill property, also has an ERRAP.
12. A Post-Closure Care Reduction/Termination Plan will be submitted by April 16, 2033.

Annual Water Quality Report

The 2024 Annual Water Quality Report (AWQR) was received by IDNR on January 16, 2025 (Doc #111877). The IDNR comment letter dated February 26, 2025 (Doc #112395) recommended no changes to the Hydrologic Monitoring System Plan. No response was required.

The 2025 Spring Water Quality Notification Letter was submitted to IDNR on July 3, 2025 (Doc #113349).

Environmental Covenant

A letter was submitted to IDNR on January 20, 2025 (Doc #111904) requesting initiation of the Environmental Covenant process to terminate the closure permit and end regulation of the landfill under IAC 567-113. The IDNR site visit on March 28, 2025 was in conjunction with that request. Verbal communications with IDNR indicate that the site will not be considered for an Environmental Covenant until the issues in the "Recommendations" section of this report are addressed.

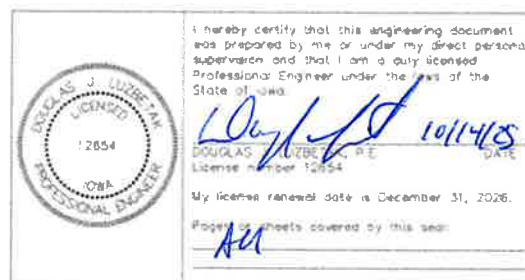
Summary

Except as noted above, this landfill appears to be in general compliance with its closure permit and the IDNR regulations.

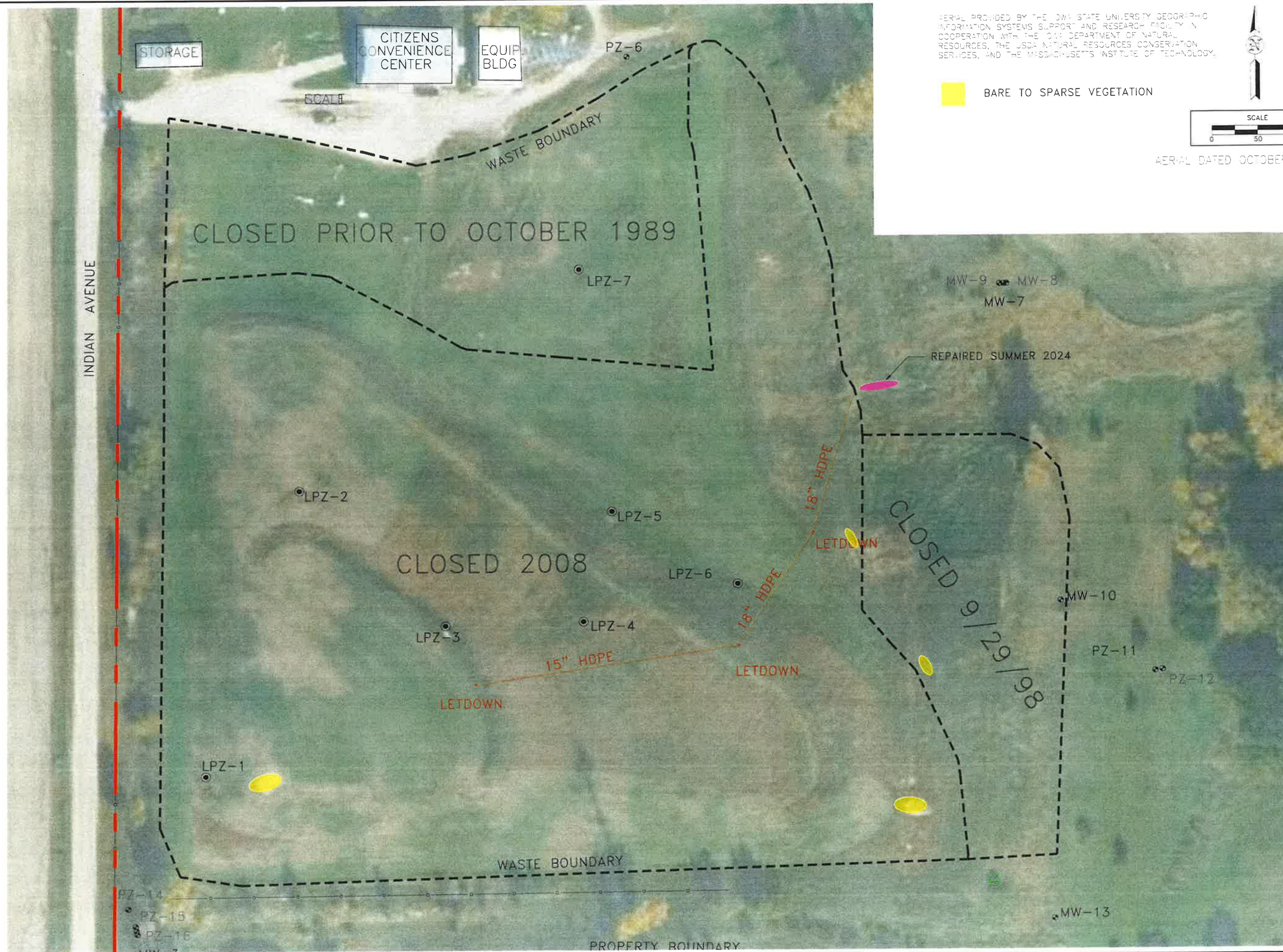
This report is based on observations made at the site at the time of the inspection and the information sources referenced in the report. This report does not reflect typical variations experienced at the site throughout the year or variations in conditions that may be observed at the site at other times.

Recommendations

1. Reseed areas with sparse vegetation.
2. Continue to remove trees from the cap and terraces and continue to mow the site on a regular frequency. Remove trees at the letdown outlet.

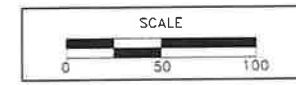


cc: Ida County Board of Supervisors (electronic copy)



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 BARE TO SPARSE VEGETATION



AERIAL DATED OCTOBER 20, 2023

SITE PLAN
FALL 2025 INSPECTION
IDA COUNTY SANITARY LANDFILL
IDA GROVE, 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	PROJECT NO.	DATE	
JGH		6049-24A	10/13/25		