

April 22, 2026
File No. 27225425.00

Mr. Brad Davison
Iowa Department of Natural Resources
Land Quality Bureau
6200 Park Avenue, Suite 200
Des Moines, Iowa 50321

Subject: 2026 Annual Inspection Report
City of Ft. Madison Landfill & Rodeo Park Dump
Permit No. 56-SDP-05-88C

Dear Brad:

This brief report documents the annual inspection required by the City of Fort Madison Landfill and Rodeo Park Dump (Landfill) Iowa Department of Natural Resources Sanitary Disposal Project Closure Permit, applicable amendments, and the Iowa Administrative Code. This inspection was conducted by Timothy Buelow, P.E. on March 19, 2026, and was performed to evaluate the Landfill's general conformance with the closure permit and the approved plans and specifications. A site map of the Landfill is attached for reference (Figure 1). A copy of the observation checklist used during the inspection is included in Attachment A. Please refer to this checklist for specific observations and recommended activities to address areas of concern noted during the inspection.

Report Priority:

On behalf of the City of Fort Madison, SCS Engineers requests that Permit Amendment #18, dated October 12, 2022 (Doc #104302), to the above-referenced permit be amended to remove the requirement that annual inspections occur in alternating spring and fall seasons and instead specify that they be completed annually. This would allow greater flexibility in scheduling inspections and prevent a spring inspection following the previous fall inspection, resulting in an inspection that covers a period during which little change in landfill conditions is expected to occur.

The observations presented in this report are based on data obtained from the field observations made at the Landfill, interviews with permittee representatives, and information sources discussed in this report. This report provides a snapshot in time of the conditions present at the time of the inspection and does not reflect variations in conditions that may occur throughout the year.

SCS Engineers has prepared this report for the exclusive use of our client. This report is meant for the specific application discussed and has been prepared in accordance with generally accepted engineering practices. No warranties, expressly stated or implied, are intended or made.



If you have any questions regarding this report, please contact Nathan Ohrt at (319) 331-9613.

Sincerely,





Timothy C. Buelow, P.E.
VP, Senior Project Advisor
SCS Engineers

TCB/NPO



Nathan Ohrt
Senior Project Professional
SCS Engineers

Copies: Mr. Mark Bousselot, City of Fort Madison
Iowa DNR Field Office #6

	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.
	 _____ Timothy C. Buelow, P.E.
	Date: <u>4/22/2026</u>
	License No. 14445 My license renewal date is December 31, 2027.
	Pages or sheets covered by this seal: <u>2026 City of Ft. Madison Landfill and Rodeo Park Dump Inspection Documentation -</u> <u>Cover Letter and Attachment A.</u>

ATTACHMENT A
OBSERVATION CHECKLIST
2026 ANNUAL INSPECTION

SCS ENGINEERS

1690 All State Court, Suite 100, West Des Moines, Iowa 50265

Sanitary Landfill Inspection

Permit #: 56-SDP-05-88C

Facility Name: <u>City of Fort Madison Landfill/Rodeo Park Dump</u>	Responsible Official: <u>Mark Boussetot</u>
County: <u>Lee</u>	Address: <u>811 Avenue E</u>
Facility Operator: <u>None</u>	Phone: <u>(319) 372-7700 x204</u>
Address: <u>2103 303rd Avenue, Fort Madison, IA</u>	Date Last Inspection: <u>March 20, 2025</u>
Phone: <u>None</u>	Date This Inspection: <u>March 19, 2026</u>

At the Time of this Inspection:

Facility personnel present: <u>None</u>	Surface conditions: <u>Damp</u>
Wind direction and speed: <u>NNE 3 mph</u>	Ambient temperature: <u>72° F</u>

Yes – compliance was being achieved; **No** – compliance was not being achieved;
N/A – not applicable or not observed; **PND** – previously noted deficiency (PND).

Observations

Yes	No	N/A	PND	Item	Yes	No	N/A	PND	Item
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1. Fill Cover: final	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	10. Special Waste Handling
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	2. Control of Face	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	11. Recycling Activities
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3. Compaction	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	12. Operator Certification
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4. Cover erosion; Ponding	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	13. Staffing
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	5. Drainage into fill	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	14. Equipment Backup/Maintenance
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6. Leachate Mgmt. & Control	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	15. Interior Roads
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	7. Litter	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	16. Perimeter fence, gate, signs, wells
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	8. Wet Weather Area	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	17. Photos taken
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	9. Construction & Demolition Area	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	18. Follow-up needed

Comments: The comments below correspond to the numbered observation items listed above. **Recommended actions are shown in bold.**

- Landfill vegetation was well established, in good condition, and well maintained on the surface of all three municipal solid waste landfill (MSWLF) units. The vegetated areas were mowed (with the exception of the steeper sloped areas) in 2025, and the grass was still short, making the surface readily visible for the inspection. Additionally, the grass in the steeper sloped areas had been flattened by the winter snowfalls, making the surface more readily visible in those areas as well. Former small rill erosion was apparent on the steeper slopes of the north MSWLF unit of the Rodeo Park Dump. These rills had long since vegetated and were not a concern; however, the rill on the northern portion of the sloped area had only sparse vegetation and was wet. This is an area that has historically had indications of a leachate seep. Numerous small bare to sparsely vegetated areas on the City of Ft. Madison Landfill were present. These bare to sparsely vegetated areas appeared to be associated with site use during the 2025 rodeo. A larger bare area was located in the northern portion of the City of Ft. Madison Landfill, north of gas vents GV-A1 and GV-A2. Aggregate was being stored in this area at the time of the inspection. There was no erosion noted in the bare or sparsely vegetated areas other than the wet rill noted in the north MSWLF unit of the Rodeo Park Dump, which, other than being sparsely vegetated and wet, was unchanged from the previous inspection. Given the history of this location, **it is recommended that the wet area rills be filled in and covered with geotextile and erosion stone.**
- There were numerous small areas of ponded water present on the City of Ft. Madison Landfill MSWLF unit. The ponded areas were predominantly along the interior road and within terraces; however, some, particularly on the west side of the site, were not near any surface infrastructure. The submerged vegetation within nearly all of the ponded areas appeared the same as the surrounding vegetation, indicating that the ponding is of sufficiently short duration as not to negatively impact the vegetation and is likely a spring occurrence. It should be noted that a blizzard had occurred four days earlier in the week. The snow had melted, but it was likely a factor in the noted ponding. Two areas of likely more consistent ponding were observed, as there was little to no vegetation in the ponded areas, one in the upper reach of the terrace east of the interior road and west of Leachate Manhole No. 2, and the other on the west side of the MSWLF unit, east of the northernmost isolated tree on the west side of the MSWLF unit. **It is recommended that additional fill be placed and spread in these areas to facilitate drainage.** Only two small areas of ponded water were present on the Rodeo Park Dump MSWLF units. The ponded area in the north MSWLF unit was along the chain-link fence in the flat developed area of the final cover, and the ponded area in the south MSWLF unit was just north of the west end of the interior graveled path bisecting a portion of the MSWLF unit. Vegetation is normally not present along the chain-link fence, and the vegetation in the south MSWLF unit ponded area appeared the same as the surrounding vegetation, indicating the ponding is likely a typical transient spring occurrence.

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- 6. There were no leachate seeps observed on the three MSWLF units, including the seep area previously noted on the north MSWLF unit of the Rodeo Park Dump, although this area was wet at the time of the inspection. Surface staining was not present as had previously been observed. Audible indications of functioning pumps and flowing leachate in the manholes and lift stations were noted during the inspection.

- 15. Interior roads were graveled and in good condition.

- 16. The perimeter fence and gate for the City of Fort Madison Landfill were in good condition. The Rodeo Park MSWLF units are not fenced, as the surrounding area serves the rodeo and other recreational activities for the community. Groundwater monitoring wells, vadose zone gas monitoring probes, and gas vents were randomly checked and appeared in good condition. It was noted that monitoring wells P-102A and WT-102B were not labeled, and one of these wells was not locked due to settlement, causing the cap to not fully close. **The PVC casing should be trimmed approximately 2 inches to allow the cap to fully close, and a lock added.** The observed monitoring wells and probes were locked, with the noted exception and monitoring well P-110A. **A lock should also be added to monitoring well P-110A.** Gas vents on the City of Ft. Madison Landfill that indicated high levels of methane during the monitoring event preceding the 2025 rodeo were surrounded by orange fences.

AUTHENTICATION

INSPECTOR	Timothy C. Buelow, P.E. 	Date: 4/22/2026
REVIEWER	Nathan Ohrt 	Date: 4/22/2026