

Our reference: 12606359-LTR-9

December 18, 2025

**Mr. Sam Bennett
Muscatine Power and Water
3205 Cedar Street
Muscatine, Iowa 52761**

2025 Landfill Inspection Letter Report

Dear Mr. Bennett:

This letter report serves to document observations and recommendations based on a site inspection of the Muscatine Power and Water (MPW) Coal Combustion Residual (CCR) Landfill on October 31, 2025. Participants in the site inspection included Sam Bennett and Neil Hoskins (MPW) and Mike Alowitz GHD Services Inc. (GHD).

Landfill operations are permitted under Iowa Department of Natural Resources Operating Permit #70-SDP-06-82P with an expiration date of August 10, 2030. The inspection included driving perimeter roads, observing monitoring wells and cutoff drain discharge points, walking selected slope areas, viewing of ponds and piping infrastructure, and observation of the fill area. There were no active landfill operations during the inspection. The weather conditions were sunny and calm with temperatures rising to mid-40 degrees Fahrenheit.

In general, the landfill appears to be in good operating condition.

- CCR was observed within the permit limits and infrastructure for managing stormwater around the perimeter and in the active fill area appeared intact.
- The temporary cover areas and most of the permanent cover areas appeared to be in good repair with only minor areas of limited vegetation. Rock-covered drainage areas were the leading area for emerging woody vegetation within the stormwater system. The north slope of the landfill appeared to have locust tree saplings that require management.
- Access roads were readily drivable and appeared sufficient for all-weather travel. The final curved portion of the access road to the active fill area was recently regraded.
- The leachate system was scheduled to receive a replacement pump shortly after the inspection. The discharge pump in use at the time of the time was no longer pumping at the desired rate.
- Grass cover was in good condition.

Two points for future maintenance were identified:

- Vegetation encroachment by woody vegetation at the north-northwest area of the closed portion of the landfill and along some drainage ways was noted. The woody vegetation should be removed.
- Well pads for monitoring wells MW-26 and MW-27 are in poor, cracked condition and should be replaced.

Select photographs collected during the inspection area presented in Attachment 1.

Overall, the landfill appears to be well managed and operating in compliance with the Operating Permit.

Regards,

A handwritten signature in black ink that reads "Michael Alowitz". The signature is written in a cursive style with a large initial 'M'.

Michael Alowitz, P.E.
Project Manager

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MA/mss/LTR-9/S4

Encl: Attachment 1 - Photographic Log

Copy to: Jean Brewster, MPW
Neil Hoskins, MPW

Attachment 1

Photographic Log

Site Photographs



Photo 1 *Typical perimeter gravel road on west side of landfill area. Looking south.*



Photo 2 *Northeast side of landfill, view toward MW-10, MW-11, and MW-12. Looking northeast.*



Photo 3 *Rip-rap drainage collection area at southeast corner of landfill with vegetation growth. Looking southwest.*



Photo 4 *Active filling area with stormwater management structures to the left. Looking south.*



Photo 5 South end of active filling area (right) and interim-covered area (left). The green equipment is an irrigation sprinkler. Looking west.



Photo 6 Typical locked entrance gate condition. Looking east.