

**ANNUAL FUGITIVE DUST CONTROL REPORT
EXISTING COAL COMBUSTION RESIDUE (CCR) LANDFILL
MUSCATINE POWER & WATER**

REPORT DATE: DECEMBER 19, 2022

A. Rule Requirement – Federal CCR Rule §257.80(c)

Under Federal Rule §257.80(c), Muscatine Power & Water prepared an Annual Coal Combustion Residue (CCR) Fugitive Dust Control Report within 14 months of placing the initial CCR Fugitive Dust Control Plan (2015) in the landfill's operating record. From then on, the schedule for completing a subsequent annual report is one year after the date of completing the previous report. This document comprises Annual CCR Fugitive Dust Control Report for 2022 required under this rule.

The annual fugitive dust control report provides the following items: (1) a description of the actions taken to control CCR fugitive dust, (2) a record of all citizen complaints, and (3) a summary of any corrective measures taken to address dust control, as presented below.

1) Description of the actions taken to control CCR fugitive dust

Haul Road: The haul road from the landfill entrance to the active fill area is surfaced with crushed gravel. To mitigate dusting, the road is watered down as needed (i.e., not every time a load of fly ash is taken to the landfill), using tanker trucks fitted with spray nozzles.

During CCR Disposal Operations: The majority of the CCR disposed of at the landfill includes fly ash, flue gas desulfurization material (FGD), and boiler slag. The fly ash material is the most susceptible to dusting due to its fine particle size and dry nature.

The means for controlling fugitive dust during offloading of fly ash in the active landfill cell is a cover and wet suppression procedure. Fly ash is unloaded from a bulk tanker truck through a pipe that discharges the fly ash underneath a tarp and/or a belt trailer truck. A water truck can be used to spray down incidental fugitive dust to augment control of any dusting. An irrigation system has also been used to spray water for dust suppression during unloading procedures.

Wet dust suppression is typically not used during freezing temperatures. When temperatures are below freezing, fly ash placed at the landfill is scrutinized by MPW or contractor personnel instructed to minimize significant fugitive dust as needed when wind speeds exceed 25 MP; fly ash will not be placed at the landfill unless operating conditions provide no other viable option.

Active Area: During regular working hours, if weather conditions and areas of the active cell show potential for generating fugitive dust (loose CCR on the surface), an irrigation device (Ag-Rain Model T40A/1320) or tanker truck with sprayer is used for dust suppression. Water from the site run-off control pond is primarily used for this procedure.

2) Record of all citizen complaints

A procedure to log citizen complaints is identified in Section IV of the CCR Fugitive Dust Control Plan, updated December 5, 2018.

No citizen complaints were recorded during this annual reporting period.

3) Summary of any corrective measures

No additional corrective actions were taken to address dust control during this reporting period.

A copy of this report will be placed in the operating record as required under §257.105(g)(2).

Under §257.80(d) Muscatine Power & Water intends to comply with the recordkeeping requirements specified in §257.105(g)(2), the notification requirements specified in §257.106(g)(2), and the public internet site requirements specified in §257.107(g)(2).



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CERTIFICATION

ANNUAL FUGITIVE DUST CONTROL REPORT

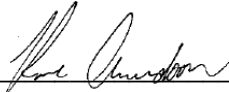
**CCR LANDFILL
Permit No. #70-SDP-06-82P-CCR**

**MUSCATINE POWER & WATER
MUSCATINE, IOWA**

	<p>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.</p>
	<p> Date: <u>12/19/2022</u></p> <p>STACY EILEEN WOODSON, P.E. License No. 17389 My renewal date is December 31, 2024</p> <p>Pages or sheets covered by this seal: <u>Entire Document</u></p>

Prepared By:

Name: Rose Amundson, CGP

Signature: 

Date: December 19, 2022

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