

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

**REPORT DATE: DECEMBER 19, 2018**

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

Under §257.80(c) Muscatine Power & Water prepared an Annual 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 2018 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 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 Deposition onto the Active Area: The means for dust control during placement is a cover and wet suppression procedure. Fly ash is unloaded from a tanker truck via pipe that discharges underneath a tarp. A tanker truck containing water is available to spray down incidental fugitive dust to augment the tarp control. Also an irrigation system has been used to spray water for dust suppression during unloading procedures. This wet suppression procedure is typically not followed during freezing temperatures. When temperatures are above freezing no fly ash is placed at the landfill when wind speeds exceed 25 MPH. When temperatures are below freezing, no fly ash is placed at the landfill when wind speeds exceed 15 MPH.

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

**2) Record of all citizen complaints**

A procedure to log citizen complaints is identified in Section IV of the initial CCR Fugitive Dust Control Plan dated October 19, 2015.

One citizen complaint was recorded during this annual reporting period. The attached form, including a description of the complaint and resulting corrective action, was entered into the landfill operating record/log.

**3) Summary of any corrective measures**

A summary of corrective actions taken to address dust control during this reporting period in reference to citizen complaints is included on the attached form.

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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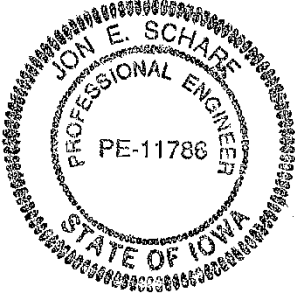
**CERTIFICATION**

**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><i>Jon E. Scharf</i> _____ <b>Jon E. Scharf, P.E.</b></p>
	<p>Date: <u>12/19/18</u></p>
	<p>License No. <b>11786</b></p>
	<p>My renewal date is <b>December 31, 2019</b></p>
	<p>Pages or sheets covered by this seal: _____ _____</p>

**Prepared By:**

Name: Gregory J. Brennan, P.H.G., P.G.  
Certified Professional Hydrogeologist  
Licensed Professional Geologist

Signature: *Gregory J. Brennan*

Date: December 19, 2018

HR Green, Inc.  
8710 Earhart Lane SW  
Cedar Rapids, IA 52404  
Phone: (319) 841-4000; Fax: (319) 841-4012

Attachment: Written Report for Citizen Complaint – CCR Landfill, 1pg

## Written Report for Citizen Complaint -CCR Landfill

**Written Report.** The written report of citizen complaint should contain the following information (Please complete as much as possible):

### Citizen submitting complaint:

Name Claudia Putnam  
Physical Address 2463 Jasper Ave. City Letts  
Phone Number 319-726-4357 Zip 52754

### Time and Date of complaint:

Time 08:25  AM  PM Date 02/15/2018

### Citizen Complaint: Write a narrative of the complaint

Ms. Putnam's complaint was for recent dusting at the landfill during truck unloading.

### Investigation of Complaint: Write a narrative of the events leading to the incident

Neal Nelson met with Ms. Putnam at her home on February 28, 2018 at 2:30 pm to discuss her complaint. Also in attendance was another landfill neighbor Scott Eichelberger whom Claudia invited to the meeting. Ms. Putnam and Mr. Eichelberger explained the dusting they had witnessed on February 15<sup>th</sup>, 2018 and that they were concerned with that occurrence. Neal discussed their concerns and explained that MPW contracts fly ash trucking to the landfill to LaFarge, who is required to control dusting during unloading using an established procedure. It was also explained that the hauling contractor was contacted, and it was discovered that they were not following the established procedure and dusting had resulted. Ms. Putnam and Mr. Eichelberger were receptive and appreciative of my commitment to eliminating this situation in the future.

### Actions Taken: Write a narrative of the actions taken to correct future issues.

LaFarge was contacted and a meeting was held to discuss the requirement of the established procedure and expectations that it be followed without deviation. It was further discussed that if dusting were to occur in the future, that unloading would immediately stop and corrective actions be taken, and the company notified.

Person Completing Report	Neal Nelson	February 28, 2018
Send Report to	Phone	Email
MP&W Environmental Department	563-262-3585	<a href="mailto:jbrewster@mpw.org">jbrewster@mpw.org</a>