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

REPORT DATE: DECEMBER 15, 2017

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

Under §257.80(c) Muscatine Power & Water must prepare an annual CCR Fugitive Dust Control Report beginning no later than 14 months after placing the initial CCR Fugitive Dust Control Plan in the landfill's operating record. The initial plan completed by HR Green was dated October 19, 2015.

The annual dust control report must provide 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 blown from a tanker truck via pipe that discharges underneath a tarp, minimizing fugitive dust from escaping. As the fly ash is blown underneath the tarp a tanker truck containing water is available to spray down incidental fugitive dust, if needed (i.e., not every time a load of fly ash is taken to the landfill), to augment the tarp control. 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 wet 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.

No citizen complaints were recorded during this annual reporting period.

3) Summary of any corrective measures

A procedure to assess the effectiveness of the dust control plan is identified in Section V of the initial CCR Fugitive Dust Control Plan.

There was no visual evidence, or citizen complaints, that triggered a corrective measure during this annual 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).

As required under §257.80(c), the deadline for completing the next annual fugitive dust control report is established to be no later than one year after the Report Date on this document.

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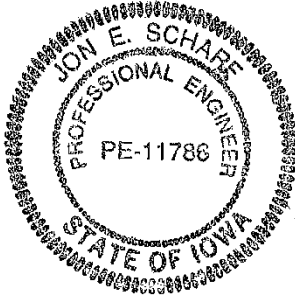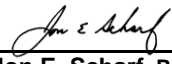**EXISTING COAL COMBUSTION RESIDUE (CCR) LANDFILL**
MUSCATINE POWER & WATER

CERTIFICATION

ANNUAL FUGITIVE DUST CONTROL REPORT

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

MUSCATINE POWER & WATER
MUSCATINE, IOWA

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[SEAL: JON E. SCHARF, PROFESSIONAL ENGINEER, PE-11786, STATE OF IOWA]

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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.

[signature]   Date: 12/15/17

Jon E. Scharf, P.E.

License No. **11786**

My renewal date is **December 31**,   **2017**

Pages or sheets covered by this seal:

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Prepared By:

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

Signature: *[signature]*

Date: December 15, 2017

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