

Coal Combustion Residuals
2021 Annual Fugitive Dust Control Report
Big Stone Plant – Ash Disposal Area
Date: December 7, 2021

Introduction

This report is the Annual Fugitive Dust Control Report that is required by the Coal Combustion Residual (CCR) rule that went into effect in October of 2015. This report is for the Ash Disposal Area for the Big Stone Plant located in Grant County, South Dakota. It is for the time period of December 2020 to December 2021.

Section 257.80(c) of the CCR requires three segments for the completion of this report. The first are actions taken by the owner/operator to control CCR fugitive dust. The second is a record of all citizen complaints (Table 1). The third is a summary of any corrective measures taken.

Actions taken to control CCR fugitive dust

The following Best Management Practices have been identified as CCR fugitive dust control measures at the Big Stone Plant.

Water

- Fugitive dust is largely controlled by the use of water. Water is used to condition the ash prior to its transfer from silos to transport vehicles and is also used to wet the in-place ash and haul roads as needed.

Vehicle Speed Control

- Vehicles are programed for a maximum speed of 25 miles per hour when traveling to and from ash disposal areas or other CCR units.

Minimize the Open Working Area

- The working face of the landfill or CCR unit will be as small as is practicable to prevent erosion. This is accomplished by installing intermediate and final cover to reduce footprint size.

Vehicle covering

- Occasionally other vehicles may be used to transport CCR. These vehicles will be enclosed or covered during transport if fugitive dust is a concern.

Curtailling operations

- In extreme weather events, transport of CCR will be reduced or delayed until conditions improve.

Table 1
Citizen Complaint Record

Fugitive Dust Citizen Complaint			
Date	Citizen Complaint	Was complaint confirmed (Yes/No)	Corrective Measures Taken
	No citizen complaints occurred over this time period		

Summary of corrective measures taken

There were no emergency corrective measures taken in the Ash Disposal Area due to the lack of fugitive dust reported.