

ANNUAL COAL COMBUSTION RESIDUAL FUGITIVE DUST CONCENTRATION REPORT - 17 MONTHS OF MONITORING DATA

White Bluff Steam Electric Station
1100 White Bluff Road
Redfield, Arkansas 72132

December 2024
Promus Project No. 240258

Prepared for:



Prepared by:



WHITE BLUFF STEAM ELECTRIC STATION

Annual CCR Fugitive Dust Control Report – Landfills & Material Handling

Reporting Year: 2024

Owner / Operator: Robert E. Vito Plant Manager 12/13/24
Name Title Date

This Annual CCR Fugitive Dust Control Report has been prepared for the White Bluff Steam Electric Station as required by 40 CFR 257.80(c). Section 1 provides a description of the actions taken to control CCR fugitive dust at the facility during the reporting year. Section 2 provides a record of citizen complaints received concerning CCR fugitive dust at the facility during the reporting year and a summary of any corrective measures taken.

1. ACTIONS TAKEN TO CONTROL CCR FUGITIVE DUST

CCR Activity	Actions Taken to Control CCR Fugitive Dust	Date of Observed CCR Fugitive Dust Event, if any	Corrective Measures
Management of CCR in staging areas and in the facility's CCR units	Wet management of CCR bottom ash, fly ash and economizer ash placed in the landfill.	N/A	
	Water areas of exposed CCR in CCR landfill and staging areas as necessary.	N/A	
	Wet management of mixed CCR material in staging piles at the landfill.	N/A	
	Pneumatically transfer dry CCR fly ash to storage silos in an enclosed system.	N/A	
	Hydraulically convey CCR bottom ash to dewatering bins located adjacent to the fly ash silos.	N/A	
Handling of CCR at the facility	Transfer CCR economizer ash to silos in a closed conveyor.	N/A	
	Load CCR transport tanker trucks from the CCR fly ash silos in a partially enclosed area.	N/A	
	Load CCR economizer ash into covered dump trucks using a telescoping chute.	N/A	
	Load conditioned CCR bottom ash into covered dump trucks.	N/A	

CCR Activity	Actions Taken to Control CCR Fugitive Dust	Date of Observed CCR Fugitive Dust Event, if any	Corrective Measures Implemented
Handling of CCR at the facility	CCR material is unloaded at the on-site landfill by belly-dumping tanker or end-dump trucks in a manner that slowly releases a controlled amount of material over a short distance to minimize the generation of airborne particulate matter.	N/A	
	CCR fly ash to be emplaced in on-site landfill is hauled in enclosed tanker trucks.	N/A	
	Water or chemical dust suppressants are employed during the disposal process in a manner that minimizes fugitive dust formation.	N/A	
	CCR materials transported in open top trucks are either covered by tarp or travel under a spray bar to condition the layer of exposed material to form a thin encapsulated layer.	N/A	
	The speed of vehicles within the landfill boundary is limited to no more than 5 mph.	N/A	
Transportation of CCR at the facility	The speed of vehicles is limited to no more than 25 mph on the landfill access road.	N/A	
	Vehicular traffic not associated with ash management activities is minimized.	N/A	
	Landfill access roads wetted using a watering truck on an as-needed basis. A dust control agent may be added to reduce fugitive dust emissions.	N/A	

2. RECORD OF CITIZEN COMPLAINTS

Date/Time Complaint Received	Complainant	Date/Time/Duration of CCR Fugitive Dust Event Identified in the Complaint	Description/Nature of the Event Identified in the Complaint	Corrective Action	Has it caused any harm?
No Citizen Complaints received from October 2015 to December 2016.					
No Citizen Complaints received from January 2017 to December 2017.					
September 20, 2018	McConnell & Son Trucking, Inc.	September 20, 2018	Truck drivers delivering coal fly ash complained of exposure to inhalation of materials from Silo #2.	Equipment repaired: Air valve was replaced.	
No Citizen Complaints received from January 2019 to December 2019.					
No Citizen Complaints received from January 2020 to December 2020.					
No Citizen Complaints received from January 2021 to December 2021.					
No Citizen Complaints received from January 2022 to December 2022.					
No Citizen Complaints received from January 2023 to December 2023.					
No Citizen Complaints received from January 2024 to December 2024.					