Annual Coal Combustion Residual Fugitive Dust Control Report – Landfills & Material Handling

Prepared for:

Independence Steam Electric Station
555 Ferry Point Road
Newark, AR 72562

December 2021

Prepared by: AECOM

10801 Executive Center Drive
Suite 202
Little Rock, AR 72211

REV0

Independence Steam Electric Station
ANNUAL CCR FUGITIVE DUST CONTROL REPORT – Landfills & Material Handling

Reporting Year: **2021**

Owner / Operator:	Brandon Bradberry Brandon Bradberry (Dec 6, 2021 21:20 CST)	General Manager	Dec 6, 2021
	Name	Title	Date

This Annual CCR Fugitive Dust Control Report has been prepared for the Independence 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.

Section 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 Me
Management of CCR in staging areas and in the facility's CCR units	Wet management of CCR bottom ash and CCR fly 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	
Handling of CCR at the facility	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	
	Load CCR transport tanker trucks and railcars from the CCR fly ash silos in a partially enclosed area.	N/A	
	Load CCR transport tanker trucks and railcars from the CCR fly ash silos using a telescoping port.	N/A	
	Load hydrated CCR bottom ash and economizer ash mixture into covered dump trucks.	N/A	

Independence Steam Electric Station
ANNUAL CCR FUGITIVE DUST CONTROL REPORT – Landfills & Material Handling

CCR Activity	Actions Taken to Control CCR Fugitive Dust	Date of Observed CCR Fugitive Dust Event, if any	Corrective Me
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	
Transportation of CCR at the facility	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	
	Dry CCR fly ash to be transported off-site for sale is loaded into fully enclosed tanker trucks or fully enclosed rail cars.	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	
	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	
	The landfill access road is wetted using a watering truck on an as-needed basis. A dust control agent may be added to reduce fugitive dust emissions.	N/A	

Section 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	Corre
No Citizen Complaints received from October 2015 to December 2016.				
No Citizen Complaints received from January 2017 to December 2017.				
June 14, 2018	Anonymous to ADEQ	June 14, 2018	Ash was reported to be visible for a long time following the loading of trucks, even after the loading valve was closed.	A visib loadou during multipl indicat equipm action
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.				