Annual CCR Fugitive Dust Control Report

East Kentucky Power Cooperative

Spurlock Station

Reporting Period:

October 6, 2015 – October 5, 2016

INTRODUCTION

East Kentucky Power Cooperative (EKPC) is required to prepare this annual CCR fugitive dust report that includes:

- A description of the actions taken by the owner or operator to control CCR fugitive dust,
- A record of all citizen complaints, and
- A summary of any corrective measures taken.

Below in Table 1-1 is a list of the fugitive emission sources that have been identified in the Fugitive Dust Control Plan for Spurlock Power Plant, a brief description of the source, and a list of actions taken to control CCR fugitive dust during the reporting period.

EKPC has established a webform on the CCR Rule Compliance Data and Information website to log citizen complaints. Complaints received will be manually logged on a Microsoft Excel worksheet that will be used to track all complaints and all resolutions to those complaints. This Excel worksheet will be included in the annual CCR fugitive dust control report, as Table 1-2, to meet the requirements of the CCR Rule if any complaints are received during the period covered by the report.

TABLE 1-1: Fugitive Emission Sources and Dust Control Measures

Source Name	**Source Description**	**Actions taken to control CCR Fugitive Dust during the reporting period**
U1 & U2 Fly Ash Loadout	Loadout operation into truck for transfer to landfill	• Adding water as needed. ✓ CCR material was watered as needed to control fugitive emissions. ✓ CCR conditioning does not result in free liquids. • Using telescopic chutes ✓ The telescopic chutes were utilized to control fugitive emissions by reducing the distance the material travels. • Using Skirting ✓ Skirting was utilized to control fugitive emissions by keeping dust enclosed in the structure during loading. • Controlling the flow rate. ✓ The flow rate of CCR material was adjusted as needed to control fugitive emissions.
U3 Bed Ash Silo Loadout	Loadout operation into truck for transfer to landfill	• Using telescopic chutes ✓ The telescopic chutes were utilized to control fugitive emissions by reducing the distance the material travels. • Using bulk tank trucks ✓ A bulk tank truck was utilized to control

		fugitive emissions by preventing the fugitive dust from escaping during loading and travel.
U3 Fly Ash Silo Loadout	Loadout operation into truck for transfer to landfill	• Adding water as needed. ✓ CCR material was watered as needed to control fugitive emissions. ✓ CCR conditioning does not result in free liquids. • Using telescopic chutes ✓ The telescopic chutes were utilized to control fugitive emissions by reducing the distance the material travels. • Using Skirting ✓ Skirting was utilized to control fugitive emissions by keeping dust enclosed in the structure during loading. • Controlling the flow rate. ✓ The flow rate of CCR material was adjusted as needed to control fugitive emissions.
U4 Bed Ash Silo Loadout	Loadout operation into truck for transfer to landfill	• Using Bulk Tank Trucks ✓ A bulk tank truck was utilized to control fugitive emissions by preventing the fugitive dust from escaping during loading and travel. • Controlling the flow rate. ✓ The flow rate of CCR material was adjusted as needed to control fugitive emissions. • Using telescopic chutes ✓ The telescopic chutes were utilized to control fugitive emissions by reducing the distance the material travels.
U4 Fly Ash Silo Loadout	Loadout operation into truck for transfer to landfill	• Adding water as needed. ✓ CCR material was watered as needed to control fugitive emissions. ✓ CCR conditioning does not result in free liquids. • Using telescopic chutes ✓ The telescopic chutes were utilized to control fugitive emissions by reducing the distance the material travels. • Using Skirting ✓ Skirting was utilized to control fugitive emissions by keeping dust enclosed in the structure during loading. • Controlling the flow rate. ✓ The flow rate of CCR material was adjusted as needed to control fugitive

		emissions.
Gypsum Waste	Temporarily stored in pile prior to transportation to the Landfill.	• Adding water as needed. ✓ CCR material was watered as needed to control fugitive emissions. ✓ CCR conditioning does not result in free liquids. • Removal of Waste to Landfill ✓ Removal of gypsum waste to the landfill was utilized to control fugitive emissions by preventing dust build up.
Ash Pond	Storage of CCR material	• Adding water as needed to the bottom ash loading area. ✓ CCR material was watered as needed to control fugitive emissions. ✓ Free liquids resulting from wetting is allowed as long as drainage is sent back to the pond. • Remove CCR to Landfill ✓ All temporary piles of CCR material resulting in fugitive dust were addressed by removing the CCR and hauling it in covered trucks to the landfill.
Landfill	Used for long term storage of CCR waste	• Adding water as needed. ✓ CCR material was watered as needed to control fugitive emissions. ✓ CCR conditioning does not result in free liquids. • Landfill Final Cover System ✓ Cover system was utilized to control fugitive dust emissions by covering the landfill as needed.
Hauling to Landfill	Roads used to transport CCR waste to landfill	• Adding water as needed. ✓ CCR material was watered as needed to control fugitive emissions. ✓ CCR conditioning does not result in free liquids. • Control vehicle speed ✓ Vehicle speed on the CCR material haul roads was minimized to control fugitive emissions. • Cover trucks ✓ All trucks hauling CCR material were tarped during transport. • Limit vehicle traffic ✓ Landfill haul roads are labeled to reduce unnecessary traffic. • Paving Roads • Areas around CCR loadouts and portions of

		the haul road have been paved to control and minimize fugitive emissions.

TABLE 1-2: Spurlock Power Plant 2015-2016 Citizen Complaints and Corrective Measures*

East Kentucky Power Cooperative
CCR Rule Compliance
Fugitive Dust Citizen Complaint Log

LAST UPDATED: 12-Oct-15

REFERENCE NUMBER	STATION	UNIT/ LOCATION	DESCRIPTION	REMEDIAL ACTION REQUIRED	PLANT LEVEL RESPONSIBLE PERSON(S)	DATE OF COMPLAINT	DATE OF INITIATING REMEDY	DATE REMEDY COMPLETED	ACTION CLOSED (Y/N)	WORK ORDER NO.	LOCATION OF FILES ON H: DRIVE

* During the 2015 to 2016 reporting period no citizen complaints were reported, and no corrective actions were required.