

Plant: Paradise Fossil Plant (PAF)
Date: December 13, 2019 (Placed in Operating Record)
Subject: Annual CCR Fugitive Dust Control Report
Reference: Title 40
Part 257: *Criteria for Classification of Solid Waste Disposal Facilities and Practices*
Subpart D: *Standards for the Disposal of Coal Combustion Residuals in Landfills and Surface Impoundments*
Operating Criteria: §257.80, *Air Criteria*
Prepared by: Tennessee Valley Authority – Generation, Construction, Projects & Service

1. Introduction

PAF is a fossil-fueled, steam-electric generating plant that has one coal-fired generating unit; and, two coal-fired generating units that are idled. It is located northwest of Drakesboro, Muhlenberg County, Kentucky, on State Highway 176. The Site consists of the Gypsum Disposal Area with two associated stilling ponds and the Peabody Ash Pond in the southern portion of the PAF reservation and Slag Ponds 2A and 2B with associated Stilling Pond 2C in the north portion of the reservation. An annual CCR fugitive dust control report, describing actions taken to control CCR fugitive dust and reporting citizen complaints and corrective action taken if any, must be filed annually pursuant to 40 C.F.R. § 257.80(c).

2. Fugitive Dust Control Measures

The current Fugitive Dust Control Plan states that the primary dust control measure will consist of conditioning and wetting of CCR material and associated CCR management activities. This application has historically been an effective measure. The plan also states that other dust control measures may be utilized with the following methods listed.

- Berms constructed as wind breaks
- Intermediate soil cover
- Chemical dust suppressants
- Sweeping of haul roads
- Limiting material drop heights
- Mobilization and use of additional water trucks

In accordance with the PAF Fugitive Dust Control Plan, the following dust control measures are in place.

- Interim cover is placed on the Gypsum Disposal Area slopes as stacking progresses
- Conditioning and wetting of CCR materials placed in the disposal facilities
- Wetting of haul roads and the active placement areas with water trucks as needed
- A speed limit of 15 miles per hour has been established on haul roads and traffic patterns have been managed to common routes to aid in minimizing fugitive dust

3. Record of Citizen Complaints

The Fugitive Dust Control Plan allows for public input by providing a toll free number for citizens to contact and submit complaints and/or concerns relative to dust control. When complaints are submitted, TVA will assign the appropriate Coal Combustion Product Management (CCPM) personnel to investigate the complaint/concern and implement any additional dust control measures required.

No complaints and/or concerns have been submitted by the public during this reporting period.

4. Summary of Corrective Action

Corrective actions have not been implemented since dust control measures appear adequate and no complaints/concerns have been submitted.