

Plant: Cumberland Fossil Plant (CUF)
Date: December 8, 2023 (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*

1. Introduction

CUF is a fossil-fueled, steam-electric generating plant operated by TVA that has two coal-fired generating units. It is located 0.5 miles west of Cumberland City, Stewart County, Tennessee, on State Highway 233. The coal combustion residuals (CCR) disposal area is located within the southwest portion of the CUF reservation. CCR materials generated by the power generating station are processed and placed into a disposal complex that includes the Dry Ash Stack and Gypsum Storage Area. 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, in accordance with 40 C.F.R. § 257.80(c).

2. Fugitive Dust Control Measures

The current CCR 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 and is appropriate for the CUF site conditions. The plan also states that other dust control measures may be utilized in combination with the current measures with the following measures 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 CUF CCR Fugitive Dust Control Plan, the following dust control measures are in place.

- Conditioning and wetting of CCR material in the dry disposal facility and the wetting of haul roads are utilized
- Intermediate soil cover on exterior slopes

3. Record of Citizen Complaints

The CCR Fugitive Dust Control Plan allows for citizen 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 needed.

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

4. Summary of Corrective Measures

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