

Plant: Colbert Fossil Plant (COF)
Date: December 15, 2017 (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

COF was a fossil-fueled, steam-electric generating plant operated by TVA that had five coal-fired generating units. Power production at the facility ceased on March 24, 2016. Consequently, CCR materials are no longer produced at the plant. The plant is located approximately 10 miles west of Tuscumbia, Colbert County, Alabama, on US Highway 72. The CCR facility, fly ash silos, and associated haul roads are located within the southern portion of the COF reservation. Ash Disposal Area 4 is currently undergoing closure construction which involves installation of a geomembrane cap system over the CCR materials. 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 COF Fugitive Dust Control Plan, wetting of the haul roads and conditioning and wetting of CCR materials with water have been utilized to manage dust suppression. Also, 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. Additional measures have not been implemented.

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.