

Plant: Shawnee Fossil Plant (SHF)
Date: November 2, 2016
Subject: Initial 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

The CCR Fugitive Dust Control Plan for SHF was prepared on September 4, 2015. As required by the CCR Rule (40 CFR 257.80), an annual report describing actions taken to control CCR fugitive dust, reporting citizen complaints, and corrective action taken must be prepared. The initial annual report must be completed no later than 14 months after placing the initial CCR fugitive dust control plan in the facility's operating record. Subsequently, annual reports will be submitted 12 months after the completion of the initial annual report.

1.1. Plant Description

SHF is a fossil-fueled, steam-electric generating plant operated by TVA. It is located west of West Paducah, McCracken County, Kentucky, on Metropolis Lake Road. The Site itself is located within the northwestern portion of the SHF reservation where CCR materials generated by the power generating station are processed and placed into a disposal complex. The Site consists of the Consolidated Waste Dry Stack, Ash Pond 2, fly ash silos, and haul roads.

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

Since the submission of the SHF Fugitive Dust Control Plan, the following dust control measures are in place.

- Placing intermediate soil cover on the exterior slopes of the Consolidated Waste Dry Stack active stacking area.
- Conditioning of CCR materials placed in the disposal areas.

- Wetting of haul roads and active stacking 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 no complaints/concerns have been submitted.