

**Plant:** Paradise Fossil Plant (PAF)  
**Date:** July 7, 2020 (Placed in Operating Record)  
**Subject:** Initial Annual CCR Fugitive Dust Control Report – New CCR Landfill  
**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*

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## 1. Introduction

PAF is a fossil-fueled, steam-electric generating plant that ceased operating its remaining coal-fired generating unit (Unit 3) in February 2020; Units 1 and 2 were retired in 2017. PAF is located northwest of Drakesboro, Muhlenberg County, Kentucky, on State Highway 176. The New CCR Landfill was constructed and permitted for operation by the Commonwealth of Kentucky in 2019, but has not received CCR or any other waste materials to date.

The initial CCR Fugitive Dust Control Plan for the New CCR Landfill was placed on the facility's Operating Record on May 7, 2019. Even though the New CCR Landfill has not received CCR or any other waste, the CCR Rule (40 CFR § 257.80) requires that 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, future annual reports for the New CCR Landfill will be included in the annual report that is prepared for the other CCR units at PAF.

## 2. Fugitive Dust Control Measures

As no CCR is being, or has ever been, placed in the New CCR Landfill, there is currently no fugitive dust to suppress at this CCR Unit, consequently, no fugitive dust measures have been implemented at this CCR unit. In the event that the New CCR Landfill were to start receiving CCR, the measure(s) set forth in this section will be implemented as appropriate.

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

## 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.