

# **CCR FUGITIVE DUST CONTROL PLAN**

## **GALLATIN FOSSIL PLANT COAL COMBUSTION PRODUCTS GALLATIN, TENNESSEE**

**Prepared by:**



**TENNESSEE VALLEY AUTHORITY**  
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**December 13, 2019 (Amended)**

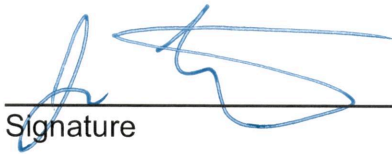
Revision or Change Number	Date Placed in Operating Record	Affected Page Numbers	Description of Revision/Change
0	10/19/15	All	Initial Plan
1	12/15/17	1	Facility updates in Sections 1.1 and 2.0.
2	12/13/19	1	Facility updates in Section 1.1.

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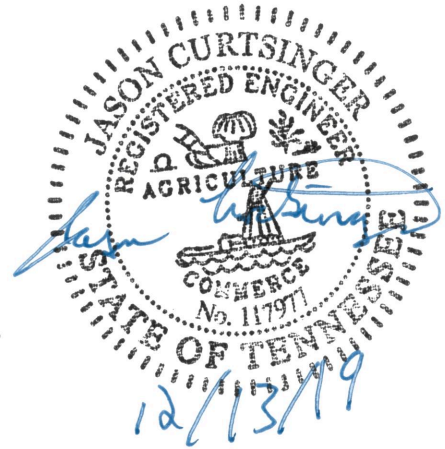
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## CERTIFICATION

I certify that this plan meets the requirements of 40 CFR 257.80, Final Rule: Disposal of Coal Combustion Residuals from Electric Utilities.

  
\_\_\_\_\_  
Signature

December 13, 2019  
\_\_\_\_\_  
Date



## **1.0 OVERVIEW**

This CCR Fugitive Dust Control Plan (Plan) provides a program for minimizing fugitive dust events originating from day-to-day operations for Coal Combustion Residuals (CCR) management at the Gallatin Fossil Plant (GAF or Site) of the Tennessee Valley Authority (TVA), located in Gallatin, Tennessee. This document provides measures to effectively minimize CCR from becoming airborne from CCR units, CCR piles, roads, and other CCR management activities. This plan has been developed in accordance with 40 CFR 257.80, Final Rule: Disposal of Coal Combustion Residuals from Electric Utilities.

### **1.1 Facility Description**

GAF is a fossil-fueled, steam-electric generating plant operated by TVA that has four coal-fired generating units. It is located south of Gallatin, Sumner County, Tennessee on Steam Plant Road. CCR materials generated by the power generating station are processed and placed into the North Rail Loop Landfill (NRLL).

## **2.0 FUGITIVE DUST CONTROL MEASURES**

Fugitive dust will be controlled primarily through the conditioning and wetting of CCR material and associated CCR management activities as these methods have been historically effective and appropriate at the Site. In accordance with the GAF Title V Operating Permit, there will be no visible fugitive dust emissions leaving the Site's property boundary.

The Construction Contractor manages dust suppression around the site through the application of water using water trucks. The water filling station is located on the southwest corner of the maintenance building (U Building) near the power plant. CCR placed in lifts at the NRLL and wetted to a moisture content that will prevent wind dispersal, but will not result in free liquids. The conditioned CCR will be compacted in accordance with the procedures outlined in the Site's Operations and Maintenance Manual.

The Construction Contractor will strictly manage the haul routes and traffic patterns to ensure that traffic is concentrated to common routes and use construction barrels to prevent light vehicle traffic from entering any nonessential areas. Since CCR materials typically harden and stabilize with time after placement, it is anticipated that completed areas will not require continued water application to prevent fugitive dust dispersion. However, the Construction Contractor will monitor all surfaces and apply additional water as necessary to control fugitive dust across any exposed CCR material.

Other dust control measures that may be utilized in combination with the current measures, on an as needed basis include:

- 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

### **3.0 RECORD KEEPING**

This Plan and the following associated documents will be placed in the Site's operating record once completed, and proper notification will be provided to the State Director. The following documents will also be made publically available on the Site's "CCR Rule Compliance Data and Information" website.

#### **3.1 Citizen Input**

Citizens can provide input and submit complaints/concerns relative to fugitive dust by calling 1-844-TVA-DUST (882-3878). Comments will be logged and submitted to TVA's Coal Combustion Product Management (CCPM) Group for review and response. Upon receipt, appropriate CCPM Management personnel will investigate the complaint/concern and implement any additional dust control measures

required. Examples of additional dust control measures which may be considered for implementation are described in Section 2.0. Upon completion, the results of the investigation and a description of any associated corrective measures employed by the site will be added to the log.

### **3.2 Annual CCR Fugitive Dust Control Report**

A CCR Fugitive Dust Control Report will be prepared annually to provide a summary of dust control activities for the reporting year. The report will include a description of the actions taken to control CCR fugitive dust on Site, a record of all reported citizen complaints/concerns, and a summary of any necessary corrective measures taken.

### **4.0 ASSESSMENT OF CCR FUGITIVE DUST CONTROL PLAN**

This Plan will be evaluated annually in conjunction with preparation of the annual CCR Fugitive Dust Control Report. Operating personnel at the Site have been instructed to record any evidence of fugitive dust events or deficiencies in the current fugitive dust control measures as well as report such issues to the TVA Field Supervisor. Evaluation of plan effectiveness will include a review of the Construction Contractor and TVA observation reports and any reported public complaints/concerns. Any necessary amendments or revisions required to rectify noted issues will be incorporated into the updated Plan.