

Appalachian Power Company

MOUNTAINEER PLANT



An **AEP** Company

BOUNDLESS ENERGYSM

ANNUAL CCR FUGITIVE DUST CONTROL REPORT

Prepared By:

Appalachian Power Company
Mountaineer Plant
State Route 62
Letart, West Virginia 25265

and

American Electric Power Service Corporation
Environmental Services
1 Riverside Plaza
Columbus, Ohio 43215

September 2024

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1.0 INTRODUCTION

This Annual CCR Fugitive Dust Control Report (Annual Report) has been prepared pursuant to the air criteria of 40 CFR Part 257.80. The Annual Report summarizes activities described in the CCR fugitive dust control plan (Plan) and includes the following components: description of actions taken to control CCR fugitive dust; a record of all citizen complaints; and a summary of any corrective measures taken.

The initial Mountaineer CCR Annual Report was placed into the operating record on September 16, 2016. This Annual Report addresses the period from September 16, 2023 to September 15, 2024. The Annual Report is deemed complete when it is placed in the facility's operating record as described in Section 6.0.

The Annual Report will be placed in the operating record and on Mountaineer Plant's publicly accessible internet website titled "CCR Rule Compliance Data and Information" as described in Section 6.0.

2.0 FACILITY DESCRIPTION AND CONTACT INFORMATION

2.1 Facility Information

General Information:

Name of Facility: Appalachian Power Company - Mountaineer Plant

Street: State Route 62

City: New Haven State: WV ZIP Code: 25265

County: Mason

Latitude: 38° 58' 46" N Longitude: 81° 56' 05" W

2.2 Contact Information

Facility Operator:

Name: Appalachian Power Company - Mountaineer Plant

Attention: Jerry L. Perry II - Plant Manager

Address: State Route 62

City, State, Zip Code: Letart, West Virginia 25253

Facility Owner:

Name: American Electric Power

Attention: Jill Lukehart – Manager – Air Quality Services

Address: 1 Riverside Plaza

City, State, Zip Code: Columbus, Ohio 43215

Plant Contact:

Name: Charles W. Cunningham, Jr. – Chemist Principal

Address: State Route 62

City, State, Zip Code: Letart, West Virginia 25253

Telephone number: 304-882-4020

Email address: rlbrown4@aep.com

2.3 Facility Description

The Mountaineer Power Plant is located on the shore of the Ohio River at New Haven, West Virginia, and consists of a single electric generating unit. Appalachian Power Company owns Mountaineer's nominally rated 1300-megawatt Unit 1. See the Plan for a further description of plant activities and fugitive dust controls.

3.0 FUGITIVE DUST CONTROLS

The following fugitive dust control measures were implemented during the period addressed by this Annual Report:

Plant Activity	Fugitive Dust Control Measures
Plant and Landfill Roadways	Roadways were watered or swept as needed and speed control measures were implemented; material carried off plant property and deposited onto public highways by vehicular traffic or erosion by water was removed and disposed of properly.
Landfill – unloading and placement of material	Unloading emissions were controlled by maintaining moisture in the material, taking precautionary measures (minimizing drop height) and watering as needed; spreading and compacting emissions were controlled by maintaining vehicle speed, maintaining moisture in the material, and watering as needed.
Landfill – wind erosion	Wind erosion control measures for open areas included: precautionary measures such as minimizing the amount of open area and pile height; compacting material as it was unloaded; maintaining moisture content of the materials, and watering as needed.
Bottom Ash Pond	All CCR Materials have been removed from the bottom ash ponds and the surrounding area and the ponds have been repurposed as wastewater ponds.
Dry Bottom Ash Handling	The bottom ash is conveyed from the ash hopper underneath the furnace and maintained damp until loaded into dump trucks by heavy machinery, minimizing the drop height of the material being loaded, and hauled to the landfill for storage for reuse as construction material or disposal.
Dry Fly Ash Handling	Emissions are controlled by using full enclosures, bin vent filters, and transfer station baghouses.
Gypsum Transfer and Stockpile	Emissions were controlled by: minimizing drop height from stacker to pile; inherent moisture; and precautionary measures for the pile. Emissions from the loading of trucks were controlled by the moisture of the material and by minimizing the drop height into the trucks.

Note: Implementation of control measures will not be necessary for roadways that are covered with snow and/or ice or if sufficient precipitation occurs to minimize or eliminate fugitive dust. Implementation of any control measures may be suspended if unsafe or hazardous driving conditions would be created by its use.

4.0 CITIZEN COMPLAINT LOG

4.1 Plan Contacts

Generally, complaints made to the plant are by telephone and received by the Plant Contact (PEC). In the case of holiday, weekends, or other times when the PEC may not be onsite, the plant guard houses or plant general phone number may receive complaint information by telephone that is provided to the PEC at the earliest convenience. Complaints may also be made to West Virginia DEP who in turn will contact the PEC. **No complaints were received by the Plant PEC during the period addressed by this Annual Report.**

4.2 Follow-up

All complaints will be entered into a log by the PEC with details noted such as the nature of the complaint, date, time, and other relevant details. All complaints will be followed up which may include: checking plant operations at the time of the event, reviewing inspection records, discussing with other plant personnel, reviewing weather data, collecting samples and contacting the person making the complaint to obtain additional information. **No complaint follow-up was necessary during the period addressed by this Annual Report.**

4.3 Corrective Action and Documentation

Corrective actions will be taken as needed and documented. If it is determined that the Plan needs to be amended as a result of the corrective actions, it will be amended in accordance with the Plan. If possible, the PEC will follow-up with the complainant and/or West Virginia DEP to explain the findings of the complaint investigation, corrective actions or sampling results. Citizen complaints will be recorded in the annual Report. **No corrective actions due to complaints were necessary during the period addressed by this Annual Report.**

5.0 PLAN ASSESSMENT

The Plan will be periodically assessed to verify its effectiveness, and if necessary, amended. The PEC reviewed the inspection records when preparing this Annual Report to assess the effectiveness of the Plan and determined that no additional or modified measures were warranted. **While no changes to the plan were necessitated by this requirement, the plan has been revised to change several persons named in the Plan and to revise various sections and Appendix B to show the closure of the former bottom ash ponds and conversion to waste water ponds.**

6.0 RECORDKEEPING, NOTIFICATION and INTERNET REQUIREMENTS

6.1 Recordkeeping

The Annual Report and the Plan (and any subsequent amendment of the plan) will be kept in the facility's operating record as they become available. The Plan and files of all related information will be maintained in a written operating record at the facility for at least five years following the date of each occurrence, measurement, maintenance, corrective action, report, record or study. Only the most recent Plan must be maintained in the record. Files may be maintained on a computer or storage system accessible by a computer. One recordkeeping system may be used for the former BAP and Landfill if the system identifies each file by the name of each unit (i.e. BAP or Landfill).

6.2 Notification

The Director of the West Virginia DEP will be notified within 30 days of when the Annual Report is placed in the operating record and on the publicly available internet site. This notification will be made before the close of business on the day the notification is required to be completed. "Before the close of business day" means the notification must be postmarked or sent by e-mail. If the notification deadline falls on a weekend or federal holiday, the notification is automatically extended to the next business day.

6.3 Internet Site Requirements

The most recent Annual Report will be placed on the facility's CCR website titled "CCR Rule Compliance Data and Information" within 30 days of placing it in the operating record.