

Fact Sheet



For Final Minor Modification Permitting Action Under 45CSR30 and Title V of the Clean Air Act

This Fact Sheet serves to address the changes specific to this Minor Modification, and shall be considered a supplement to the Fact Sheet corresponding with the Title V operating permit issued on April 13, 2021.

Permit Number: **R30-06100001-2021**
Application Received: **October 11, 2023**
Plant Identification Number: **03-54-061-00001**
Permittee: **Monongahela Power Company**
Facility Name: **Fort Martin Power Station**
Mailing Address: **1732 Fort Martin Road, Maudsville, WV 26541**

Permit Action Number: *MM01* Revised: *April 16, 2024*

Physical Location: Maudsville, Monongalia County, West Virginia
UTM Coordinates: 591.91 km Easting • 4,395.95 km Northing • Zone 17
Directions: From Morgantown, WV travel on WV-100 approximately 3.6 miles.
 Turn right onto State Route 53, continue to Power Plant.

Facility Description

The Fort Martin Power Station is a fossil fuel fired electric generation facility with two units (560 MW and 568 MW) and operates under Standard Industrial Classification (SIC) code 4911. The facility consists of two (2) 4,984 MMBtu/hr coal-fired boilers, two (2) 115.3 MMBtu/hr auxiliary boilers, two (2) 320 kW diesel-fired emergency generators, one (1) 208 hp emergency generator for fire pump, three (3) 252 hp emergency generators for FGD quench pumps, boiler-related lime handling and various support operations such as coal handling, ash handling, wastewater treatment and various storage tanks with insignificant emissions. The facility has the potential to operate seven (7) days per week, twenty-four (24) hours per day and fifty-two (52) weeks per year.

Emissions Summary

This modification results in the following emission changes:

Pollutant	Change in Potential Emissions (+ or -), TPY
PM	5.3
PM ₁₀	2.5
PM _{2.5}	0.1
NO _x	1.7
SO ₂	1.2
VOCs	1.5
CO	14.7

Title V Program Applicability Basis

With the proposed changes associated with this modification, this facility maintains the potential to emit 135,392.8 tons per year of SO₂, 23,597.9 tons per year of NO_x, 2,415.6 tons per year of PM₁₀, 930.5 tons per year of CO, 128.6 tons per year of VOC's, 1,828.4 tons per year of HCl, 234.3 tons per year of HF, and 289.9 tons per year of H₂SO₄. Due to this facility's potential to emit over 100 tons per year of criteria pollutant, over 10 tons per year of a single HAP, and over 25 tons per year of aggregate HAPs, Monongahela Power Company's Fort Martin Power Station is required to have an operating permit pursuant to Title V of the Federal Clean Air Act as amended and 45CSR30.

Legal and Factual Basis for Permit Conditions

The State and Federally-enforceable conditions of the Title V Operating Permits are based upon the requirements of the State of West Virginia Operating Permit Rule 45CSR30 for the purposes of Title V of the Federal Clean Air Act and the underlying applicable requirements in other state and federal rules.

The modification to this facility has been found to be subject to the following applicable rules:

Federal and State:	45CSR2	To Prevent and Control Particulate Air Pollution from Combustion of Fuel in Indirect Heat Exchangers
	45CSR13	NSR Permits
	45CSR16	Standards of Performance for New Stationary Sources
	45CSR30	Operating permit requirement.
	40 C.F.R. 60 Subpart Y	Standards of Performance for Coal Preparation and Processing Plants
State Only:	N/A	

Each State and Federally-enforceable condition of the Title V Operating Permit references the specific relevant requirements of 45CSR30 or the applicable requirement upon which it is based. Any condition of the Title V permit that is enforceable by the State but is not Federally-enforceable is identified in the Title V permit as such.

The Secretary's authority to require standards under 40 C.F.R. Part 60 (NSPS), 40 C.F.R. Part 61 (NESHAPs), and 40 C.F.R. Part 63 (NESHAPs MACT) is provided in West Virginia Code §§ 22-5-1 *et seq.*, 45CSR16, 45CSR34 and 45CSR30.

Active Permits/Consent Orders

The active permits/consent orders affected by this modification are as follows:

Permit or Consent Order Number	Date of Issuance	Permit Determinations or Amendments That Affect the Permit (<i>if any</i>)
R13-3631A	1/18/2024	

Conditions from this facility's Rule 13 permit(s) governing construction-related specifications and timing requirements will not be included in the Title V Operating Permit but will remain independently enforceable under the applicable Rule 13 permit(s). All other conditions from this facility's Rule 13 permit(s) governing the source's operation and compliance have been incorporated into this Title V permit in accordance with the "General Requirement Comparison Table," which may be downloaded from DAQ's website.

Determinations and Justifications

This modification is to incorporate the requirements of R13-3631 issued on January 9, 2024 and its class I administrative amendment R13-3631A issued on January 18, 2024. R13-3631 was for the modification of the existing coal unloading operations to remove the existing continuous barge unloader (Emission Unit ID BU-1) from service and modify the existing Surge Bin (Emission Unit ID SB-1) to allow coal to be added utilizing two new conveyors, identified as Feeder Conveyor FC-1 and Conveyor BM-3. Feeder Conveyor FC-1 will receive coal from the new diesel-powered Sennebogen crane and new Hopper H-1. The existing Surge Bin SB-1 will be modified to receive coal directly from Conveyor BM-3. The crane will be added to accommodate the unloading of larger capacity "Jumbo" coal barges using a clamshell. R13-3631A renamed the equipment unit and emission point identification numbers for Hopper H-1 and Feeder Conveyor FC-1.

The following changes were made to the Title V Permit.

1.1 Emission Units

- Added "out of service 2024" to Barge Unloader (BU-1) and Conveyor #1 (BC-1) since they will be taken out of service and permanently disabled after the modifications are complete.
- Updated the design capacity for Surge Bin (SB-1) from "900 tons" to "1,000 TPH."
- Added new equipment Hopper #1 (H-1), Feeder Conveyor (FC-1), and new Conveyor #1 (BM-3).

Section 2.0 General Conditions

- Updated condition 2.1.3 with new boilerplate language.
- Updated the citation for condition 2.11.4.
- Reserved condition 2.17.

Section 3.0 Facility-Wide Requirements

- Updated the citation of condition 3.4.1 to add "R13-3631, 4.4.1".

- Updated EPA’s address in condition 3.5.3.
- Updated condition 3.5.4 with the new “Fees” language.
- Reserved conditions 3.5.7 and 3.5.8.a.1.
- Updated condition 3.5.8.a.2 with new boilerplate language.

9.0 Source-Specific Requirements - Barge Unloading Operations

- This section was added to incorporate the requirements of R13-3631A. These include the applicable requirements from 40 C.F.R. 60 Subpart Y.

Attachment C - Acid Rain Permit

- The Acid Rain permit R33-3943-2022-5 has expired and was replaced with the current Acid Rain permit R33-3943-2027-6.

Non-Applicability Determinations

The following requirements have been determined not to be applicable to the subject facility due to the following:

40 CFR 60 Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines establishes emission standards and requirements for stationary compression ignition engines. The subpart defines a stationary internal combustion engine as not a nonroad engine. A nonroad engine is defined as an engine that is used in or on a piece of equipment that is self-propelled or serves a dual purpose by both propelling itself and performing another function (such as garden tractors, off-highway mobile cranes and bulldozers). The compression ignition engine used to power and move the Sennebogen crane is located on the crane itself and meets the definition of “nonroad engine” under 40 CFR §1068.30. Thus, this compression ignition engine is not an affected source under Subpart IIII and nor is it a stationary source.

Request for Variances or Alternatives

None.

Insignificant Activities

Insignificant emission unit(s) and activities are identified in the Title V application.

Comment Period

Beginning Date: Not Applicable for minor modifications.
Ending Date: N/A

Point of Contact

All written comments should be addressed to the following individual and office:

Robert Mullins
West Virginia Department of Environmental Protection
Division of Air Quality
601 57th Street SE
Charleston, WV 25304

304/926-0499 ext. 41286
Robert.A.Mullins@wv.gov

Procedure for Requesting Public Hearing

During the public comment period, any interested person may submit written comments on the draft permit and may request a public hearing, if no public hearing has already been scheduled. A request for public hearing shall be in writing and shall state the nature of the issues proposed to be raised in the hearing. The Secretary shall grant such a request for a hearing if he/she concludes that a public hearing is appropriate. Any public hearing shall be held in the general area in which the facility is located.

Response to Comments (Statement of Basis)

Not applicable.