

Fact Sheet



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

This Fact Sheet serves to address the changes specific to this Permit Reopening, and shall be considered a supplement to the original Fact Sheet corresponding with the issuance of the initial Title V operating permit issued on March 29, 2005.

Permit Number: **R30-02300014-2005**
Plant Identification Number: **02300014**
Permittee: **Virginia Electric and Power Company**
Facility Name: **North Branch Power Station**
Mailing Address: **5000 Dominion Boulevard, Glen Allen, VA 23060**

Permit Action Number: *RE01* Revised: *October 17, 2007*

Physical Location: Bayard, Grant County, West Virginia
UTM Coordinates: 643.92 km Easting • 4346.99 km Northing • Zone 17
Directions: Traveling north on WV State Route 90 from Bayard, turn right onto Bayard Cemetery Road, turn south off Bayard Cemetery Road at approximately 1.5 miles and proceed south for .9 miles to plant entrance.

Facility Description

The North Branch Power Station is a coal refuse-fired electric generation facility and operates under Standard Industrial Classification (SIC) code 4911. The facility consists of two (2) coal refuse-fired circulating fluidized bed boilers each with a rated design capacity of 597 mmBtu/hr, and various supporting operations such as coal refuse handling, ash handling, limestone handling, and various 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.

The Title V Permit is being reopened under the provisions of 45CSR§30-6.6.a.1. to incorporate the requirements of 45CSR37, 45CSR39, 45CSR40, and 45CSR41.

Emissions Summary

There are no changes in the Facility-Wide Emissions from this reopening.

Title V Program Applicability Basis

With the proposed changes associated with this reopening, this facility maintains the potential to emit 3,548 tons per year of SO₂, 2,096 tons per year NO_x, 897 tons per year CO, and 198 tons per year PM₁₀ and 43.26 tons per year HAPs. 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, Virginia Electric and Power Company's North Branch 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.

This facility has been found to be subject to the following applicable rules:

Federal and State:	45CSR30 45CSR37 45CSR39 45CSR40 45CSR41	Operating Permit Requirement Mercury Budget Trading Program NO _x Annual Trading Program Ozone Season NO _x Control SO ₂ Trading Program
--------------------	---	---

Each State and Federally-enforceable condition of the draft Title V Operating Permit references the specific relevant requirements of 45CSR30 or the applicable requirement upon which it is based. Any condition of the draft Title V permit that is enforceable by the State but is not Federally-enforceable is identified in the draft 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, 45CSR15, 45CSR34 and 45CSR30.

Active Permits/Consent Orders

Permit or Consent Order Number	Date of Issuance	Permit Determinations or Amendments That Affect the Permit (if any)
R13-1020B/R14-04B	June 9, 1993	Original permit issued November 9, 1988, Superseded and Replaced October 14, 1992 and June 9, 1993; R13-2075C is applicable in conjunction with this permit.
R13-2075C	May 9, 2002	Original permit issued May 3, 1999, Superseded and Replaced December 5, 2000, February 8, 2001 and May, 9, 2002. (Supersedes SPECIFIC REQUIREMENTS A.7 and A.8 within R14-04B and is applicable in conjunction with R14-04B)
Acid Rain Permit	December 26, 2002	Effective January 1, 2003
NO _x Budget Permit – CFB Boilers 1A & 1B	February 7 2002	
WVDAQ Consent Order: No. CO-R2-E-2002-17 (State-Enforceable Only)	May 24, 2002	Requires the development of a “Monitoring Plan” and “Inspection and Maintenance Plan” For the boiler particulate matter removal system. It also requires that these plans be incorporated into the Title V permit
Consent Decree: No. 03-CV-517A (US vs. VEPCO)		

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 B," which may be downloaded from DAQ's website.

Determinations and Justifications

The Title V Permit is being reopened under the provisions of 45CSR§30-6.6.a.1. for the following rules:

CAMR Mercury Budget Trading Program - The facility is subject to 45CSR37. The facility must submit an Hg Budget permit application in accordance with 45CSR§37-6.1.a.1. by July 1, 2008. The Title V Permit was revised by adding Section 3.1.15.

CAIR NO_x Annual Trading Program - The facility is subject to 45CSR39. The facility has submitted a CAIR permit application in accordance with 45CSR§39-6.1.a.1. The Title V Permit was revised by adding Section 3.1.16. The CAIR permit application was attached to the Title V permit as Appendix E and becomes the CAIR permit portion of the Title V Permit.

CAIR NO_x Ozone Season Trading Program - The facility is subject to 45CSR40. The facility has submitted a CAIR permit application in accordance with 45CSR§40-6.1.a.1. The Title V Permit was revised by adding Section 3.1.17. The CAIR permit application was attached to the Title V permit as Appendix E and becomes the CAIR permit portion of the Title V Permit.

CAIR SO₂ Trading Program - The facility is subject to 45CSR41. The facility has submitted a CAIR permit application in accordance with 45CSR§41-6.1.a.1. The Title V Permit was revised by adding Section 3.1.18. The CAIR permit application was attached to the Title V permit as Appendix E and becomes the CAIR permit portion of the Title V Permit.

Non-Applicability Determinations

No additional non-applicability determinations were made for this reopening.

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: September 11, 2007
Ending Date: October 11, 2007

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

Bobbie Scroggie
Title V Permit Writer
West Virginia Department of Environmental Protection
Division of Air Quality
601 57th Street, SE
Charleston, WV 25304

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.

Point of Contact

Bobbie Scroggie
West Virginia Department of Environmental Protection
Division of Air Quality
601 57th Street, SE
Charleston, WV 25304
Phone: 304/926-0499 ext. 1225 • Fax: 304/926-0478

Response to Comments (Statement of Basis)

Comment received from the National Park Service requested that DAQ demonstrate that this reopening will not increase emissions or will reduce emissions. Responded that this reopening only incorporates new effective rules and that emissions will not increase with this reopening.