

Fact Sheet



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

Permit Number: R30-09900012-2007
Application Received: October 30, 2002
Plant Identification Number: 09900012
Permittee: Cranberry Pipeline Corporation
Facility Name: Beech Fork Compressor Station
Mailing Address: Route 152
Wayne, WV 25570

Physical Location: Wayne, Wayne County, West Virginia
UTM Coordinates: 375.35 km Easting • 4239.79 km Northing • Zone 17
Directions: Take Exit 8 from I-64 to 152 South towards Lavalette. From Lavalette go approximately 2 miles on 152 south and turn left onto Falls Branch Road. Travel approximately 1.5 miles to the station on the right.

Facility Description

Beech Fork Compressor Station is a natural gas transmission facility covered by Standard Industrial Classification (SIC) Code 4922 and 1311. The station has the potential to operate twenty-four (24) hours per day, seven (7) days per week, fifty-two (52) weeks per year. The station consists of three (3) 576 HP natural gas compressor engines and four (4) storage tanks of various sizes.

Emissions Summary

Plantwide Emissions Summary [Tons per Year]		
Criteria Pollutants	Potential Emissions	2005 Actual Emissions
Carbon Monoxide (CO)	20.01	16.02
Nitrogen Oxides (NO _x)	216.72	172.25
Particulate Matter (PM ₁₀)	2.38	2.12
Total Particulate Matter (TSP)	2.38	2.12
Sulfur Dioxide (SO ₂)	0.03	0.03
Volatile Organic Compounds (VOC)	27.30**	28.32
Total HAPs*	4.38	4.36

Some of the above HAPs may be counted as PM or VOCs.

* HAPs are not speciated because no applicability was triggered.

** 2005 Actual emissions of VOC is greater than potential emissions because of the following :

In the 2005 CES, the actual emissions of VOCs were from the three- (3) engines, the dehydration unit, the reboiler, the tanks and fugitive. The calculations were based on the **actual hours** of operation.

In early 2007, Cranberry Pipeline Corporation decided to permanently shut down the dehydration unit and the reboiler. Consequently, the VOC emissions from the dehydration unit and reboiler were not included in the potential to emit calculations. In addition, the calculations were based on **8760 hours** of operation.

PM₁₀ is a component of TSP.

Title V Program Applicability Basis

This facility has the potential to emit 216.72 tons per year of Nitrogen Oxides. Due to this facility's potential to emit over 100 tons per year of a criteria pollutant, Cranberry Pipeline Corporation 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:	45CSR6	Open burning prohibited.
	45CSR11	Standby plans for emergency episodes.
	45CSR13	Construction Permit
	WV Code § 22-5-4 (a) (14)	The Secretary can request any pertinent information such as annual emission inventory reporting.
	45CSR30	Operating permit requirement.
	40 C.F.R. Part 61	Asbestos inspection and removal
	40 C.F.R. Part 82, Subpart F	Ozone depleting substances
State Only:	45CSR4	No objectionable odors.

45CSR17

Control fugitive particulate matter

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 (<i>if any</i>)
N/A		

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

Since the last modification of this permit WVDEP has determined that 45CSR10 is not applicable to the engines. No visible emission readings are required for engines.

Since the last modification of the existing permit, the glycol dehydration system has been taken out of service.

Non-Applicability Determinations

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

40 CFR 64 - Engines do not have any add-on control; Therefore, in accordance with 40 C.F.R § 64.2(a), CAM is not applicable to the engines.

There is no applicable requirement for tanks because there is no tank equal to or greater than 20,000 gallons.

40CFR63, Subparts HH or HHH (*National Emission Standards for Hazardous Air Pollutants From Oil and Natural Gas Production Facilities*) is not applicable since the facility is not a major source of hazardous air pollutants as defined in this subpart.

40CFR63, Subpart ZZZZ (*National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines*) is not applicable since the facility is not a major source of hazardous air pollutants as defined in this subpart and the facility does not have any new, existing or reconstructed compressor engines subject to the requirements of this subpart.

Manufacturer	Brake Horsepower	Type
Ajax	576	2-Stroke, Rich Burn
Ajax	576	2-Stroke, Rich Burn
Ajax	576	2-Stroke, Rich Burn

45CSR21 (*To Prevent and Control Air Pollution from the Emission of Volatile Organic Compounds*) is not applicable because: Sections 27 and 28 of 45CSR21 are not applicable because all petroleum liquid storage tanks at the Beech Fork station are below 40,000 gallons in capacity. Section 29 of 45CSR21 is not applicable because the Beech Fork station is not engaged in the extraction of natural gas liquids from field gas, fractionation of mixed natural gas liquids to natural gas products, or both.

45CSR27 (*To Prevent and Control the Emissions of Toxic Air Pollutants*) is not applicable because: Natural gas is included as a petroleum product and contains less than 5% benzene by weight. 45CSR § 27-2.4 exempts equipment “used in the production and distribution of petroleum products providing that such equipment does not produce or contact materials containing more than 5% benzene by weight.”

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: April 2, 2007
Ending Date: May 2, 2007

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

U.K.Bachhawat
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

U.K.Bachhawat
West Virginia Department of Environmental Protection
Division of Air Quality
601 57th Street SE
Charleston, WV 25304
Phone: 304/926-0499 ext. 1256 • Fax: 304/926-0478

Response to Comments (Statement of Basis)

Not applicable.