

# Fact Sheet



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

Permit Number: **R30-09900012-2022**  
Application Received: **December 8, 2021**  
Plant Identification Number: **03-54-09900012**  
Permittee: **Cranberry Pipeline Corporation**  
Facility Name: **Beech Fork Compressor Station**  
Mailing Address: **101 McQuiston Drive, Jackson Center, PA 16133**

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Physical Location: Stowers Branch Road, Lavalette, WV 25535  
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, turn left onto Falls Branch Road, and continue on to Stowers Branch Road. Station is on the right approximately 1.5 miles from the intersection of 152 south and Falls Branch Road.

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### **Facility Description**

Beech Fork Compressor Station is a natural gas transmission facility covered by Standard Industrial Classification (SIC) Code 1311 and by North American Industry Classification System 211111. The station has the potential to operate twenty-four (24) hours per day, seven (7) days per week, and fifty-two (52) weeks per year. The station consists of three (3) 540 HP natural gas compressor engines, a 1.5 MMBTU/hr line heater, and four (4) storage tanks of various sizes.

## Emissions Summary

<b>Plantwide Emissions Summary [Tons per Year]</b>		
<b>Regulated Pollutants</b>	<b>Potential Emissions</b>	<b>2021 Actual Emissions</b>
Carbon Monoxide (CO)	20.88	0.45
Nitrogen Oxides (NO <sub>x</sub> )	135.18	2.96
Particulate Matter (PM <sub>2.5</sub> )	2.90	0.06
Particulate Matter (PM <sub>10</sub> )	2.90	0.06
Total Particulate Matter (TSP)	2.90	0.06
Sulfur Dioxide (SO <sub>2</sub> )	0.04	0.00
Volatile Organic Compounds (VOC)	22.81	2.05

*PM<sub>10</sub> is a component of TSP.*

<b>Hazardous Air Pollutants</b>	<b>Potential Emissions</b>	<b>2021 Actual Emissions</b>
Benzene	0.12	0.00
Toluene	0.06	0.00
Ethylbenzene	0.01	0.00
Xylene	0.02	0.00
n-Hexane	0.04	0.02
Formaldehyde	4.70	0.10

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

### Title V Program Applicability Basis

This facility has the potential to emit 135.18 tons per year of Nitrogen Oxides. Due to this facility's potential to emit over 100 tons per year of 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:	45CSR2	To Prevent and Control Particulate Air Pollution From Combustion Of Fuel In Indirect Heat Exchangers
	45CSR6	Open burning prohibited.
	45CSR11	Standby plans for emergency episodes.

	WV Code § 22-5-4 (a) (14)	The Secretary can request any pertinent information such as annual emission inventory reporting.
	45CSR30	Operating permit requirement.
	45CSR34	Emission Standards for Hazardous Air Pollutants for Source Categories Pursuant to 40CFR63
	40 C.F.R. Part 61	Asbestos inspection and removal
	40 C.F.R. Part 63 Subpart ZZZZ	National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines
	40 C.F.R. Part 82, Subpart F	Ozone depleting substances
State Only:	45CSR4	No objectionable odors.
	45CSR17	To Prevent and Control Fugitive Particulate Matter Air Pollution from Materials Handling, Preparation, Storage and Other Sources of Fugitive Particulate Matter

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**

Permit or Consent Order Number	Date of Issuance	Permit Determinations or Amendments That Affect the Permit (if any)
None		

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**

There have been no equipment changes nor changes to the regulatory requirements at this facility since the issuance of R30-09900012-2017.

**Non-Applicability Determinations**

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

<b>45CSR4</b>	<i>To Prevent and Control the Discharge of Air Pollutants into the Open Air Which Causes or Contributes to an Objectionable Odor or Odors.</i> According to 45CSR§4-7.1, this rule shall not apply to the following sources of objectionable odor until such time as feasible control methods are developed, Internal Combustion Engines, Dehydration Unit, Storage Tanks.
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<b>45CSR10</b>	<i>To Prevent and Control Air Pollution from the Emission of Sulfur Oxides.</i> 45CSR10 is not applicable to the facility's line heater because its maximum design heat input (DHI) is less than 10 MMBtu/hr.
<b>45CSR21</b>	<i>To Prevent and Control Air Pollution from the Emission of Volatile Organic Compounds.</i> This facility is not subject to 45CSR§§21-27 and 28 since all the petroleum liquid storage tanks at the Beech Fork station are below 40,000 gallons in capacity. 45CSR§21-29 does not apply 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.
<b>45CSR27</b>	<i>To Prevent and Control the Emissions of Toxic Air Pollutants</i> does not apply since natural gas is included as a petroleum product and contains less than 5% benzene by weight. 45CSR§27-2.4 exempts equipment that is "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."
<b>40 C.F.R. 63 Subpart DDDDD</b>	<i>National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters.</i> This subpart does not apply to the facility since it is not a major source of HAPs as defined in 40CFR§63.7575.
<b>40 CFR 60 Subpart Dc</b>	<i>Standards of Performance for Steam Generating Units.</i> The line heater at this facility is less than 10 mmBtu/hr; Hence Subpart Dc is not applicable in accordance with §60.40c(a).
<b>40 CFR 60 Subparts K,Ka</b>	<i>Standards of Performance for Storage Vessels for Petroleum Liquids.</i> All tanks at the facility are below 40,000 gallons in capacity as specified in §§60.110(a) and 60.110a(a).
<b>40 CFR 60 Subpart Kb</b>	<i>Standards of Performance for Storage Vessels for Petroleum Liquids.</i> All tanks at the facility are below 75 cubic meters in capacity as specified in §60.110b(a).
<b>40 CFR 60 Subpart KKK</b>	<i>Standards of Performance for Equipment Leaks of VOC From Onshore Natural Gas Processing Plant.</i> This compressor station is not engaged in the extraction of natural gas liquids from field gas, the fractionation of mixed natural gas liquids to natural gas products, or both.
<b>40 C.F.R. Part 60 Subpart IIII</b>	<i>Standards of Performance for Stationary Compression Ignition Internal Combustion Engines.</i> The three (3) 540 HP reciprocating engines with integral compressors were manufactured before July 11, 2005 and they are not compression ignition engines. Thus, these engines are not subject to 40 C.F.R. Part 60 Subpart IIII.
<b>40 C.F.R. Part 60 Subpart JJJJ</b>	<i>Standards of Performance for Stationary Spark Ignition Internal Combustion Engines.</i> The three (3) 540 HP reciprocating engines with integral compressors were constructed before June 12, 2006. Thus, these engines are not subject to 40 C.F.R. Part 60 Subpart JJJJ.
<b>40 C.F.R. 63 Subpart JJJJJ</b>	<i>National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources.</i> This subpart does not apply to the facility since the heater is fueled by natural gas as exempted in 40CFR§63.11195(e).
<b>40 CFR 60 Subpart OOOO</b>	<i>Standards of Performance for Crude Oil and Natural Gas Production, Transmission and Distribution.</i> This subpart does not apply to the facility since the facility is a gathering facility that does not have gas wells, centrifugal compressors, reciprocating compressors, and/or pneumatic controllers, or storage vessels constructed, modified, or reconstructed after August 23, 2011 and on or before September 18, 2015 in accordance with §60.5365(e).

<b>40 CFR 60 Subpart OOOOa</b>	<i>Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification, or Reconstruction Commenced after September 18, 2015.</i> The GHG and VOC requirements defined by this NSPS are not applicable to this site because there were no affected sources that commenced construction, modification, or reconstruction after September 18, 2015 in accordance with 40CFR§60.5365a.
<b>40 C.F.R. Part 63 Subpart HH</b>	<i>National Emission Standards for Hazardous Air Pollutants From Oil and Natural Gas Production Facilities.</i> The Beech Fork Compressor Station is a natural gas production facility at an area source of HAPs, but it does not contain a TEG dehydration unit.
<b>40 C.F.R. Part 63 Subpart HHH</b>	<i>National Emission Standards for Hazardous Air Pollutants From Natural Gas Transmission and Storage Facilities.</i> The Beech Fork Compressor Station is not a natural gas transmission and storage facility as specified in §63.1270.
<b>40 C.F.R. Part 64</b>	<i>Compliance Assurance Monitoring (CAM).</i> The facility does not have any pollutant specific emissions units (PSEU) that satisfied all of the applicability criteria requirements of 40 CFR §64.2(a). There have been no changes in this permit since the previous renewal was issued, so CAM remains not applicable to any emission unit listed in the renewal application.

### 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: June 22, 2022  
Ending Date: July 22, 2022

### Point of Contact

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

Beena Modi  
West Virginia Department of Environmental Protection  
Division of Air Quality  
601 57<sup>th</sup> Street SE  
Charleston, WV 25304  
304/926-0499 ext. 41283  
[Beena.j.modi@wv.gov](mailto:Beena.j.modi@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.