

Fact Sheet



For General Permit Registration Under 45CSR30 and Title V of the Clean Air Act

Permit Number: R30-NGGP-2007-03500003
Application Received: December 5, 2001
Plant Identification Number: 03500003
Permittee: **Columbia Gas Transmission**
Facility Name: Ripley Compressor Station
Mailing Address: 1700 MacCorkle Avenue, SE
Charleston, WV 25314

Physical Location: Ripley, Jackson County, West Virginia
UTM Coordinates: 440.1 km Easting • 4303.4 km Northing • Zone 17
Directions: Traveling I-79N from Charleston, exit at Ripley onto US Rte. 33 and proceed to the town of Ripley and the intersection with Secondary Rte. 21 (formerly US & State Rte. 21). Turn left onto Rte. 21 and continue approximately 5.5 miles to the station which is on the left.

Facility Description

The Ripley Station is a natural gas transmission facility covered by Standard Industrial Classification (SIC) 4922. The station has the potential to operate seven (7) days per week, twenty-four (24) hours per day. The station consists of two (2) 2,250-hp natural gas fired reciprocating engines, two (2) 306-hp emergency generators, one (1) heating system boiler, one (1) air compressor, one (1) heater, one (1) liquids knockout system, one (1) Wastewater evaporator and fourteen (14) storage tanks of various sizes.

Emissions Summary

Plantwide Emissions Summary [Tons per Year]		
Criteria Pollutants	Potential Emissions	2005 Actual Emissions
Carbon Monoxide (CO)	153.86	13.27
Nitrogen Oxides (NO _x)	223.26	43.98
Particulate Matter (PM ₁₀)	6.68	1.76
Total Particulate Matter (TSP)	6.68	1.76
Sulfur Dioxide (SO ₂)	0.15	0.03
Volatile Organic Compounds (VOC)	22.04	6.21
<i>PM₁₀ is a component of TSP.</i>		
Hazardous Air Pollutants	Potential Emissions	2005 Actual Emissions
Formaldehyde	9.76	2.52
Other HAPs	2.06	0
Total HAPs*	11.82	2.52
<i>Some of the above HAPs may be counted as PM or VOCs.</i>		
* HAPs are not speciated because no applicability was triggered.		

Title V Program Applicability Basis

This facility has the potential to emit 153.86 tons/yr of CO, 223.26 tons/yr of NO_x. Due to this facility's potential to emit over 100 tons per year of criteria pollutant, Columbia Gas Transmission 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	Indirect Heat Exchangers
	45CSR6	Open burning prohibited.
	45CSR10	SO ₂ Emissions
	45CSR11	Standby plans for emergency episodes.
	45CSR13	
	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

Since the last Title V modification WVDEP has determined that 45CSR10 does not apply to gas fired engines. Also 45CSR10 is not applicable to the facility boilers and heater because they are less than 10 MMBtu/hr.

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 this facility. Heating System Boiler and Indirect Heater are not a major source; therefore, CAM is not applicable.

Facility is not a major source of HAPs; Hence 40 C.F.R 63 (MACT) is not applicable to this facility.

Request for Variances or Alternatives

None

Insignificant Activities

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

Comment Period

Title V general Permit has already been advertised and finalized. This fact sheet for facility registration is written for the file. This fact sheet states which rules are applicable to the particular facility and which rules are not applicable.

Procedure for Requesting Public Hearing

N/A

Point of Contact

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Division of Air Quality
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Response to Comments (Statement of Basis)

N/A