

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 May 27, 2025.

Permit Number: **R30-03900670-2025**

Application Received: **June 6, 2025**

Plant Identification Number: **03-54-039-00670**

Permittee: **Columbia Gas Transmission, LLC**

Facility Name: **Elk River Compressor Station**

Mailing Address: **1700 MacCorkle Avenue SE, Charleston, WV 25314**

Permit Action Number: *MM01* Revised: *October 28, 2025*

Physical Location:	Clendenin, Kanawha County, West Virginia
UTM Coordinates:	472.0 km Easting • 4,259.9 km Northing • Zone 17
Directions:	From Charleston, travel north on I-79 to Exit 19. Take Exit 19 and take US 119 South to Clendenin. In Clendenin, turn onto State Route 4 East for approximately 1.5 miles. The compressor station is on the right.

Facility Description

The Elk River Compressor Station increases the pressure of the incoming natural gas. The facility has three compressors to increase the pressure of the natural gas. The compressors are powered by three 15,600-HP Solar Mars 100 turbines. The turbines are equipped with advanced dry-low-NO_x combustion controls from SoLoNO_x. Other emission units at the facility include four fuel gas heaters; catalytic heaters with an aggregate design heat input of 2.404 mmBTU/hr; a 1,000-gallon wastewater storage tank; and a 10,000-gallon pipeline liquids tank. The facility is equipped with an 880-HP four-stroke lean-burn Waukesha VGF-L36GL natural gas-fired reciprocating internal combustion engine (RICE) to power an emergency generator. (SIC: 4922, NAICS: 486210)

Emissions Summary

This modification results in the following emission changes:

Pollutant	R13-3294C PTE (tons/yr)	R13-3294D PTE (tons/yr)	Change in PTE (tons/yr)
NO _x	99.20	100.55	+1.35
CO	243.65	244.79	+1.14
VOC	21.82	21.90	+0.07
PM ₁₀	11.66	11.76	+0.10
SO ₂	1.26	1.27	+0.01
Total HAPs	2.02	2.04	+0.02

Title V Program Applicability Basis

With the proposed changes associated with this modification, this facility maintains the potential to emit 100.55 tpy of NO_x, and 244.79 tpy of CO. Due to this facility's potential to emit over 100 tons per year of criteria pollutant, Columbia Gas Transmission, LLC 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
	45CSR30	Operating permit requirement.
State Only:	None	

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>
R13-3294D	August 8, 2025	

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 for the addition of two (2) 1.575-MMBtu/hr TERI 1250 fuel gas heaters that were permitted under R13-3294D.

The regulatory applicability of the new fuel gas heaters (H4 and H5) is as follows:

45 CSR 2 (To Prevent and Control Particulate Air Pollution From Combustion of Fuel in Indirect Heat Exchangers)

The two (2) 1.575-MMBtu/hr fuel gas heaters (H4, H5) included in this application are indirect heat exchangers that combust natural gas and per 45CSR§2-11.1 are exempt from sections 4, 5, 6, 8 and 9 of this rule because their heat inputs are below 10-MMBtu/hr.

45 CSR 10 (To Prevent and Control Air Pollution From the Emission of Sulfur Oxides)

The two (2) 1.575-MMBtu/hr fuel gas heaters (H4, H5) included in this application are indirect heat exchangers that combust natural gas. Per 45CSR§10-10.1 they are exempt from section 3 and sections 6 through 8 of this rule because their heat input capacities are less than 10 MMBtu/hr, therefore they have no requirements.

The following changes were made to the Title V Permit:

Section 1.1. Emission units

- Added fuel gas heaters HTR4 and HTR5 to the emission units table.

Section 6.0. Heaters

- Updated emission units and emission points in the section title.
- Added HTR4 and HTR5 to the table in condition 6.1.1.
- Added HTR4 and HTR5 to the citation for 6.1.2.
- Added HTR4 and HTR5 to the citation for 6.3.1.

Non-Applicability Determinations

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

None.

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.