

# 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 August 8, 2023.

Permit Number: **R30-03100002-2023**

Application Received: **April 21, 2025**

Plant Identification Number: **03-54-031-00002**

Permittee: **Columbia Gas Transmission, LLC**

Facility Name: **Lost River Compressor Station**

Mailing Address: **1700 MacCorkle Ave. SE, 5<sup>th</sup> Floor, Charleston, WV 25314**

Permit Action Number: *MM02*      Revised: *July 18, 2025*

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Physical Location:	Mathias, Hardy County, West Virginia
UTM Coordinates:	685.5 km Easting • 4,305.1 km Northing • Zone 17
Directions:	Traveling on I-81 (in VA), take Exit 257 to US Route 11. Take a left on US Route 11 towards State Route 259. For approximately 23 miles, travel north on State Route 259 to Mathias, WV. Turn right onto Upper Cove Run Road and travel approximately 0.25 miles toward Basore, WV. The entrance to the facility is on the left.

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### **Facility Description**

Columbia Gas Transmission, LLC's Lost River Compressor Station, is a natural gas compressor station and operates under Standard Industrial Classification (SIC) code 4922. The compressor station is comprised of five natural gas-fired engines (three 2,700-HP engines, one 4,640-HP engine, and one 4,735-HP engine) to power the compressor units, one natural gas-fired reciprocating engine/emergency generator, four natural gas-fired turbines, three fuel gas heaters, 88 catalytic heaters, and numerous storage tanks.

### **Emissions Summary**

This modification results in the following emission changes:

Plantwide Emissions Changes (Tons per Year)]	
Regulated Pollutants	Potential Emissions
Carbon Monoxide (CO)	-0.18
Nitrogen Oxides (NO <sub>x</sub> )	-0.21
Particulate Matter (PM/PM <sub>10</sub> /PM <sub>2.5</sub> )	-0.02
Volatile Organic Compounds (VOC)	-.0.01

### Title V Program Applicability Basis

With the proposed changes associated with this modification, this facility maintains the potential to emit 533.48 tpy of carbon monoxide, 800.36 tpy of nitrogen oxides, 125.18 tpy of volatile organic compounds, 30.60 tpy of formaldehyde, and 44.76 tpy of aggregate hazardous air pollutants. 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, Columbia Gas Transmission, LLC's Lost River Compressor 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.

The modification to this facility has been found to be subject to the following applicable rules:

#### Federal and State:

45CSR13

Permits For Construction, Modification, Relocation And Operation Of Stationary Sources Of Air Pollutants, Notification Requirements, Administrative Updates, Temporary Permits, General Permits, Permission to Commence Construction, And Procedures For Evaluation

45CSR30

Requirements For Operating Permits.

#### State Only:

NA

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> )
R14-0013G	April 25, 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 minor modification incorporates the revisions associated with R14-0013G Class I Administrative Update for the removal of one (1) 0.50-MMBtu/hr fuel gas heater (001-07) as well as other administrative changes. Additionally, the application requested revisions to the Title V permit to remove 40 CFR 63 Subpart DDDDD applicability to the wastewater evaporative boiler (001-03). This unit is a direct-fired heater and therefore does not meet the applicability criteria for DDDDD. Also requested, is the removal of the annual reporting requirement for "limited-use" engines in Condition 8.5.1. since there are no limited-use stationary reciprocating internal combustion engines (RICE) located at this facility. The following are the significant changes to the Title V permit:

*Note: In the following discussion, condition numbers reflect the minor modification revised number unless designated with "CP" which means current permit R30-03100002-2023 (MM01). COA means Citation of Authority.*

#### **1) Title V Boilerplate changes**

- Condition 3.1.6. – Revised the COA to the current version of the WV Code.
- Condition 3.3.1.b. – Added "If a testing method is specified or approved which effectively replaces a test method specified in the permit, the permit shall be revised in accordance with 45CSR§30-6.4 or 45CSR§30-6.5 as applicable."
- Condition 3.3.1. – Revised the COA to the current version of the WV Code.

#### **2) Section 1.1. - Emission Units Table**

- Revised Emission Unit 001-03's Emission Point ID from "BL2" to HTR6 and revised the description from "Wastewater Evaporator Boiler" to "Direct-Fired Heater." There has been no physical change to this piece of equipment. It was recently discovered to be a direct-fired heater as opposed to a boiler and thus, the revision to the equipment table.
- Revised Emission Unit 002-12's description to correct a typo in the model number from "VGF-48GL" to "VGF-P48GL."
- Removed Emission Unit 001-07. (Emission Point ID "HTR4")
- Revised Emission Unit 001-10's description to add "(TERI 750)" as the model of heater.

#### **3) Section 1.2. - Active R13, R14, and R19 Permits Table - Updated R14-0013F to R14-0013G and updated the date of issue.**

#### **4) Section 3.0.**

- Condition 3.4.1. – Deleted HTR4 from the COA.

#### **5) Section 4.0.**

- Deleted "HTR4" throughout this section.
- Condition 4.1.6. – Deleted "001-07" in the introductory text. Also deleted 4.1.1.c. (CP) and renumbered the subsequent subsections of this condition and revised the COA.

- Condition 4.1.6.c. (4.1.6.d. CP) – Revised the heater description as revised in R14-0013G.
  - Condition 4.1.7. – Corrected the Emergency Generator model number.
  - Condition 4.1.8. – Deleted HTR4 from this condition and in the COA.
- 6) **Section 5.0.** - Deleted “and Boilers,” “BL2 and “HTR4” from the section title.
- 7) **Section 7.0.**
- Condition 7.5.1. – Revised the COA to reflect the condition renumbering discussed in the second bullet under Item 5 above.
- 8) **Section 8.0.**
- Condition 8.4.1. – Revised the COA for “§63.6655 *What records must I keep?*” to reflect the condition renumbering discussed in the second bullet under Item 5 above.
  - Condition 8.5.1. – Deleted the annual reporting requirement in the “Table 7 to Subpart ZZZZ of Part 63—Requirements for Reports” section for limited-use stationary RICE since there are no such RICE at the facility. Also revised the COA for this section to reflect the condition renumbering discussed in the second bullet under Item 5 above.
  - Condition 8.5.2. – Revised the COAs to reflect the condition renumbering discussed in the second bullet under Item 5 above.
- 9) **Section 9.0.**
- Deleted “BL2 and “HTR4” throughout this section and from the COAs.
  - Pursuant to the modification application, since emission unit 001-03 is not a boiler and is direct-fired, it therefore does not meet the applicability requirements of 40 CFR 63 Subpart DDDDD. The Subpart DDDDD requirements in this section that were applicable to “BL2” have been deleted from this section.

### 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:

Frederick Tipane  
West Virginia Department of Environmental Protection  
Division of Air Quality  
601 57<sup>th</sup> Street SE  
Charleston, WV 25304  
304/414-1910  
frederick.tipane@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.