

# 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 October 11, 2022.

Permit Number: **R30-07700017-2022**  
Application Received: **December 27, 2022**  
Plant Identification Number: **03-54-07700017**  
Permittee: **Columbia Gas Transmission, LLC**  
Facility Name: **Terra Alta Compressor Station**  
Mailing Address: **1700 MacCorkle Avenue, SE, 5th Floor, Charleston, WV 25314**

Permit Action Number: *MM01*    Revised: *September 6, 2023*

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Physical Location: Terra Alta, Preston County, West Virginia  
UTM Coordinates: 625.137 km Easting • 4364.582 km Northing • Zone 17  
Directions: From I-79, take State Route 7 east to Terra Alta. Traveling east on State Route 7 to the town of Terra Alta, turn right onto Secondary Route 53. Proceed approximately 2 miles to the station which is located on the right.

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## Facility Description

Terra Alta Compressor 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 five (5) heaters, five (5) 1100-hp and one (1) 174-hp natural gas fired reciprocating engines, one (1) 530-hp emergency engine/generator, three (3) 2,250-hp electric motor drive reciprocating compressors, one (1) 3.57 mmBtu/hr heating system boiler, one (1) 10,000 gallon methanol tank, one (1) 7,500 gallon methanol tank, a loading rack and five (5) 30,000 gallon produced fluid tanks.

This minor modification proposes to increase the maximum volume of compressor or emergency shutdown blowdowns from 20,157,040 scf per year to 40,813,910 scf per year. This change was approved in permit R13-3431E on January 31, 2023.

## Emissions Summary

This modification will result in an increase in the facility's potential to emit as follows: 9.87 TPY of VOCs and 0.32 TPY of HAPs.

## Title V Program Applicability Basis

This facility has the potential to emit 604.00 TPY of NO<sub>x</sub> and 11.25 TPY of Formaldehyde. Due to this facility's potential to emit over 100 tons per year of criteria pollutant and over 10 tons per year of a single HAP, Columbia Gas Transmission, LLC's Terra Alta 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, And Procedures For Evaluation
	45CSR30	Operating permit requirement.
State Only:	45CSR4	No objectionable odors.

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> )
R13-3431E	January 31, 2023	

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

The following updates have been made for this minor modification permit:

#### 1. Title V Boilerplate Changes

- **Condition 2.1.3.** – This condition was updated to delete the word “such” which was removed from 45CSR30 effective March 31, 2023. The reference was changed from 45CSR§30-2.12 to 45CSR§30-2.39. because the definition of “Secretary” was renumbered in a previous version of 45CSR30.
  - **Conditions 2.17., 3.5.7. and 3.5.8.a.1.** – These conditions were deleted and replaced with “Reserved” because the emergency provisions under 45CSR§30-5.7 were removed from 45CSR30 effective March 31, 2023.
  - **Condition 3.5.4.** – This condition was updated because the requirement to submit a certified emissions statement was removed from 45CSR30 effective March 31, 2023.
  - **Condition 3.5.8.a.2.** – This condition was updated to replace the word “telefax” with “email” according to the change in 45CSR30 effective March 31, 2023.
2. **Condition 9.1.1.** - This condition was updated to increase the maximum volume of compressor or emergency shutdown blowdowns from 20,157,040 scf per year to 40,813,910 scf per year.

### 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: N/A  
Ending Date: N/A

### **Point of Contact**

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

Dan Roberts  
West Virginia Department of Environmental Protection  
Division of Air Quality  
601 57<sup>th</sup> Street SE  
Charleston, WV 25304  
304/926-0499 ext. 41902  
Daniel.p.roberts@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)**

No comments were received.