

# Fact Sheet



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

This Fact Sheet serves to address the changes specific to this Significant Modification, and shall be considered a supplement to the Fact Sheet corresponding with the Title V operating permit issued on December 27, 2016.

Permit Number: **R30-09900013-2016**  
Application Received: **May 5, 2017**  
Plant Identification Number: **03-54-099-00013**  
Permittee: **Columbia Gas Transmission, LLC**  
Facility Name: **Ceredo Compressor Station**  
Mailing Address: **1700 MacCorkle Avenue, SE, Charleston, WV 25314**

Permit Action Number: *SM01*      Revised: *August 28, 2017*

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Physical Location:	Ceredo, Wayne County, West Virginia
UTM Coordinates:	366.1 km Easting • 4247.5 km Northing • Zone 17
Directions:	Traveling I-64 West from Charleston, take the Kenova-Ceredo exit. Turn left onto Route 52. Make a left onto Airport Road. Turn right onto Walker's Branch Road at the Pilgrim Glass Plant, travel 2 miles, the station is on the left.

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### Facility Description

The Ceredo Station is a natural gas transmission facility covered by Standard Industrial Code (SIC) 4922. The station has the potential to operate seven (7) days per week, twenty-four (24) hours per day. The station consists of six (6) 2800-hp and one (1) 2700-hp natural gas fired reciprocating compressor engines, one (1) 30,399-hp compressor turbine, and numerous storage tanks of various sizes. On-site support equipment includes one (1) 738 hp and one (1) 1,175 hp emergency generators, one (1) 6.276 MMBtu/hr boiler, and one (1) 0.375 MMBtu/hr and one (1) 1.0 MMBtu/hr line heaters.

This modification is for changing the model of the permitted (but not installed) emergency generator (005G4) from an 880 hp 4-Stroke Lean Burn (4SLB) natural gas fired Waukesha VGF-L36GL to a 1,175 hp 4-Stroke Lean Burn (4SLB) natural gas-fired Waukesha VGF-P48GL.

**Emissions Summary**

<b>Pollutant</b>	<b>Change in Emissions</b>
Carbon Monoxide (CO)	0.66
Nitrogen Oxides (NOX)	0.34
Particulate Matter (PM) <sup>1</sup>	0.00
Sulfur Dioxide (SO <sub>2</sub> )	0.00
Volatile Organic Compounds (VOC)	0.16
Formaldehyde	0.04

<sup>1</sup> All particulate matter emissions are assumed to be less than 2.5 microns. Includes condensables.

**Title V Program Applicability Basis**

With the proposed changes associated with this modification, this facility maintains the potential to emit 332.4 tons per year of Carbon Monoxide (CO), 4,087.24 tons per year of Nitrogen Oxides (NOx), 41.05 tons per year of Formaldehyde, and 50.08 tons per year of total HAPs. 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 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	Construction permits
	45CSR16	Standards of Performance for New Stationary Sources
	45CSR30	Operating permit requirement.
	45CSR34	Emission Standards for Hazardous Air Pollutants
	40 C.F.R. 60, Subpart JJJJ	Standards of Performance for Stationary Spark Ignition Internal Combustion Engines
	40 C.F.R. 63, Subpart ZZZZ	National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines
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

Permit or Consent Order Number	Date of Issuance	Permit Determinations or Amendments That Affect the Permit ( <i>if any</i> )
R13-1856B	July 13, 2017	

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 changes were made during this modification:

- Changed the emission unit description of emission point G4 from Waukesha VGFL36GL Emergency Generator to Waukesha VGF-P48GL Emergency Generator and the design capacity from 880 hp to 1,175 hp.
- Changed the emission unit ID and emission point ID of BLR2 and BL2 to BLR3 and BL3 throughout the permit.
- Changed the emission unit ID and emission point ID of HTR2 and H2 to HTR3 and H3 throughout the permit.
- Changed the design capacity of emission point H1 from 0.35 mmBtu/hr to 0.375 mmBtu/hr.
- Updated the boiler plate language in conditions 3.5.3, 3.5.5, and 3.5.6.
- Updated condition 5.1.4. so that the emergency generator 005G4 is the Waukesha VGF-P48GL and changed the maximum emissions to correspond to the installed emergency generator.

### 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: Friday, July 21, 2017  
Ending Date: Monday, August 21, 2017

### **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 57<sup>th</sup> Street SE  
Charleston, WV 25304  
Phone: 304/926-0499 ext. 1243 • Fax: 304/926-0478  
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.