

*West Virginia Department of Environmental Protection
Division of Air Quality*

Joe Manchin III
Governor

Stephanie R. Timmermeyer
Cabinet Secretary

General Permit Registration



*Pursuant to
Title V
of the Clean Air Act*

**Columbia Gas Transmission Corporation
Frametown Compressor Station
R30-NGGP-2007-00700100
Effective Date: July 6, 2007**

*John A. Benedict
Director*

Date Signed: June 22, 2007

Registration Number: **R30-NGGP-2007-00700100**
Permittee: **Columbia Gas Transmission Corporation**
Facility Name: **Frametown Compressor Station**
Mailing Address: 1700 MacCorkle Avenue, S.E.
Charleston, WV 25314
Permit Contact: Kasey Gabbard (304) 357-2079

This Registration is issued in accordance with the West Virginia Air Pollution Control Act (West Virginia Code §§ 22-5-1 et seq.) and 45CSR30 — Requirements for Operating Permits. The permittee identified at the above-referenced facility is authorized to operate the stationary sources of air pollutants identified herein in accordance with all terms and conditions of this Registration and of Permit Number R30-NGGP-2007.

Facility Location:	Frametown, Braxton County, West Virginia
Mailing Address:	Route 1, Box 128, Frametown, WV 26623
Telephone Number:	(304)364-2462
Type of Business Entity:	Corporation
Facility ID #:	007-00100
Facility Description:	Natural Gas Transmission Facility
SIC Codes:	4922
UTM Coordinates:	511.99 km Easting • 4279.09 km Northing • Zone 17

Permit Writer: U.K.Bachhawat

Any person whose interest may be affected, including, but not necessarily limited to, the applicant and any person who participated in the public comment process, by a permit issued, modified or denied by the Secretary may appeal such action of the Secretary to the Air Quality Board pursuant to article one [§§ 22B-1-1 et seq.], Chapter 22B of the Code of West Virginia. West Virginia Code §22-5-14.

Issuance of this Title V Operating Permit Registration does not supersede or invalidate any existing permits under 45CSR13, 14 or 19, although all applicable requirements from such permits governing the facility's operation and compliance have been incorporated into the Title V Operating Permit.

Emission Units

Emission Unit ID	Emission Point ID	Emission Unit Description (Make, Model, Serial No.)	Year Installed	Design Capacity	Control Device	Applicable Natural Gas General Permit Sections
Facilitywide						Section 2.0, Section 3.1.1 to 3.1.8, 3.1.12 to 3.1.15, 3.2, 3.3, 3.4, 3.5 & 3.7.
BLR1*	BL1	Heating System Boiler; Kewanee Scotch	1959	6.84 MMBTU/hr	N/A	Section 4.0
04501*	E01	Turbine Engine/Centrifugal Compressor; Rolls Royce Avon 1533-76G	1969	12500 HP	N/A	None
04502*	E02	Turbine Engine/Centrifugal Compressor; Solar T-3000	1971	3350 HP	N/A	None
04503*	E03	Turbine Engine/Centrifugal Compressor; Solar T-3000	1973	3550 HP	N/A	None
045G4*	G4	Reciprocating Engine/Generator; Waukesha VGF18GL; 4-cycle, lean burn	1998	400 HP	N/A	None

* All combustion equipment burns pipeline quality natural gas only.

45CSR13/14, Consent Order specific and Other Requirements not included in Title V General Permit:

R13-2234



**DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF AIR QUALITY**

CECIL H. UNDERWOOD
GOVERNOR

JOHN H. JOHNSTON, CHIEF

MICHAEL P. MIANO
DIRECTOR

**PERMIT TO MODIFY A
NATURAL GAS COMPRESSOR STATION**

IN ACCORDANCE WITH THE WEST VIRGINIA AIR POLLUTION CONTROL LAW (W. Va. Code §522-5-1 et seq.) AND REGULATIONS PROMULGATED THEREUNDER, THE FOLLOWING PERMITTEE IS AUTHORIZED TO CONSTRUCT, SUBJECT TO THE TERMS AND CONDITIONS OF THIS PERMIT, THE SOURCE DESCRIBED BELOW.

THIS PERMITTING ACTION DOES NOT IMPACT ANY PREVIOUS REGULATION 13 PERMITS.

Name of Permittee: Columbia Gas Transmission Corporation
Name of Facility: Frametown Compressor Station
Permit No.: R13-2234
Plant ID No.: 007-0010
Effective Date of Permit: August 7, 1998
Permit Writer: Samar Joshi
Facility Mailing Address: Columbia Gas Transmission Corp.
1700 MacCorkle Ave. SE
Charleston, WV 25325-1273
County: Braxton County
Nearest City or Town: Frametown
UTM Coordinates: Easting: 612.5 km Northing: 4293.2 km Zone: 17
Directions to Exact Location: Located in Birch District, Braxton County, West Virginia. Travel approximately 0.5 miles North from Frametown on State Route 4 and turn left onto secondary Route 9. Proceed on Route 9 approximately 1.5 miles to the station which is on the right side of the road.
Type of Facility or Modification: The modification consists of installing one 400 HP reciprocating engine/generator to the existing facility, and removal of one reciprocating engine/generator with rated capacity of 333 HP.

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THIS FACILITY HAS PREVIOUSLY BEEN DEEMED SUBJECT TO TITLE V, THEREFORE THIS PERMITTING ACTION DOES NOT AFFECT THE SOURCE'S 45CSR30 APPLICABILITY STATUS.

PLANNING & PERMITTING

1558 Washington Street East, Charleston, WV 25311-2599 Phone: (304) 558-0885 Fax: (304) 558-1222

IN ACCORDANCE WITH THE PERMIT APPLICATION AND ITS AMENDMENTS, THIS PERMIT IS LIMITED AS FOLLOWS:

A. SPECIFIC REQUIREMENTS

1. Emissions from the 400 HP compressor engine (Waukesha F18GL) shall be limited to the following:

Emission Point ID	Source ID	Control Device	Pollutant	Allowable Emissions	
				(lb/hr)	(tpy)
G4	045G4	N/A	NO _x	2.29	10.04
			CO	1.54	6.76
			VOC	0.66	2.90
			SO ₂	0.21	0.90
			PM	0.11	0.46

2. The quantity of natural gas that is consumed in 400-HP natural gas compressor engine (G4) shall not exceed 3,611 cubic feet per hour or 31.63 x 10⁶ cubic feet per year.

B. OTHER REQUIREMENTS

1. In accordance with 45CSR30 - "Requirements for Operating Permits", enclosed with this permit is a Certified Emissions Statement registration form. The permittee shall complete the Certified Emissions Statement registration form for the permittee's new potential to emit and return it to the WV Division of Environmental Protection, Office of Air Quality (OAQ).

2. The pertinent sections of 45CSR2 applicable to this facility include, but are not limited to, the following:

§45-2-3.1

No person shall cause, suffer, allow, or permit emission of smoke into the open air from any fuel burning unit which is darker in shade or appearance than ten (10) percent opacity.

§45-2-3.2

Compliance with the visible emission requirements of §45-2-3.1 shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 9 or by using measurements from continuous opacity monitoring systems approved by the Director. The Director may require the installation, calibration, and operation of continuous opacity monitoring systems and may establish policies for the

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evaluation of continuous opacity monitoring results and the determination of compliance with the visible emission requirements of §45-2-3.1.

§45-2-3.4

The Director may approve an alternative visible emission standard to that required under §45-2-3.1, not to exceed twenty (20) percent opacity, upon the filing of a written petition by the owner or operator, which petition shall include a demonstration satisfactory to the Director.

3. The pertinent sections of 45CSR10 applicable to this facility include, but are not limited to, the following:

§45-10-3.8.a.

No person shall cause, suffer, allow, or permit, the emission into the open air from any source operation an in-stack sulfur dioxide concentration exceeding 2,000 parts per million by volume from existing source operations.

§45-10-3.8.d.(1)

No person shall cause, suffer, allow, or permit, the combustion of any refinery process gas stream or any other process gas stream that contains hydrogen sulfide in a concentration greater than 50 grains per 100 cubic feet of gas.

4. The pertinent sections of 45CSR13 applicable to this facility include, but are not limited to, the following:

§45-13-8.2

The Chief may suspend or revoke a permit if, after six (6) months from the date of issuance, the holder of the permit cannot provide the Chief, at the Chief's request, with written proof of a good faith effort that construction, modification, or relocation, if applicable, has commenced. Such proof shall be provided not later than thirty (30) days after the Chief's request. If construction or modification of a stationary source is discontinued for a period of eighteen (18) months or longer, the Chief may suspend or revoke the permit.

§45-13-8.3

The Chief may suspend or revoke a permit if the plans and specifications upon which the approval was based or the conditions established in the permit are not adhered to.

5. In order to determine compliance with the emission limits established under Specific Requirements A1, and A2, the permittee shall maintain the records of fuel usage for each engine/generator and natural gas fired line heater. Records indicating the hourly and twelve month fuel usage shall be maintained on site for a period of no less than five (5) years.

C. GENERAL REQUIREMENTS

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1. Approval of this permit does not relieve the permittee herein of the responsibility to apply for and obtain all other permits, licenses, and/or approvals from other agencies; i.e., local, state, and federal, which may have jurisdiction over the construction and/or operation of the source(s) and/or facility herein permitted.
2. The permitted facility shall be constructed and operated in accordance with information filed in Permit Application R13-2234 and any amendments thereto. The Chief may suspend or revoke a permit if the plans and specifications upon which the approval was based are not adhered to.
3. At such reasonable time(s) as the Chief may designate, the permittee shall conduct or have conducted test(s) to determine compliance with the emission limitations established in the permit application and/or applicable regulations. Test(s) shall be conducted in such a manner as the Chief may specify or approve and shall be filed in a manner acceptable to the Chief. The Chief, or his/her duly authorized representative, may at his option witness or conduct such test. Should the Chief exercise his option to conduct such test(s), the operator shall provide all the necessary sampling connections and sampling ports to be located in such manner as the Chief may require, power for test equipment, and the required safety equipment such as scaffolding, railings, and ladders to comply with generally accepted good safety practices. For any tests to be conducted by the permittee, a test protocol shall be submitted to the OAQ by the permittee at least thirty (30) days prior to the test and shall be approved by the Chief. The Chief shall be notified at least fifteen (15) days in advance of the actual dates and times during which the test will be conducted.
4. In the event the permittee should deem it necessary to suspend, for a period in excess of sixty (60) consecutive calendar days, the operations, either in whole or in part, authorized by this permit, the permittee shall notify the Chief, in writing, within two (2) calendar weeks of the passing of the sixtieth (60) day of the suspension period.
5. The provisions of this permit are severable and should any provision(s) be declared by a court of competent jurisdiction to be invalid or unenforceable, all other provisions shall remain in full force and effect.
6. The permittee shall notify the Chief, in writing, within fifteen (15) calendar days of the commencement of the construction, modification, or relocation activities authorized under this permit.
7. The permittee shall notify the Chief, in writing, at least fifteen (15) calendar days prior to actual startup of the operations authorized under this permit.
8. This permit is transferable in accordance with the requirements outlined in Section 8.1 of 45CSR13.
9. Violations of any of the conditions contained in this permit, or incorporated herein by

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reference, may subject the permittee to civil and/or criminal penalties for each violation and further action or remedies as provided by West Virginia Code 22-5-6 and 22-5-7.

10. On or before July 1st of each calendar year, the permittee herein shall prepare and submit an emission inventory for the previous calendar year, addressing the emissions from the facility and/or process(es) authorized herein, in accordance with the emission inventory submittal requirements of the Office of Air Quality. After the initial submittal, the Chief may, based upon the type and quantity of the pollutants emitted, establish a submittal frequency other than on an annual basis.

ISSUED BY: 
JOHN H. JOHNSTON
WV DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF AIR QUALITY

DATE SIGNED: August 14, 1998

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