

*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  
Terra Alta Compressor Station  
R30-NGGP-2007-07700017  
Effective Date: September 4, 2007**

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*John A. Benedict  
Director*

**Date Signed: August 14, 2007**

Registration Number: **R30-NGGP-2007-07700017**  
Permittee: **Columbia Gas Transmission Corporation**  
Facility Name: **Terra Alta Compressor Station**  
Mailing Address: 1700 MacCorkle Avenue, SE  
Charleston, WV 25314  
Permit Contact: Kasey Gabbard (304) 357-2079

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*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.*

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|--------------------------|---|
| Facility Location:       | Terra Alta, Preston County, West Virginia         |
| Mailing Address:         | Star Route Box 10, Terra Alta, WV 26764           |
| Telephone Number:        | (304)789-3053                                     |
| Type of Business Entity: | Corporation                                       |
| Facility ID #:           | 077-00017   |
| Facility Description:    | Natural Gas Transmission Facility                 |
| SIC Codes:               | 4922  |
| UTM Coordinates:         | 625.13 km Easting • 4364.38 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.*

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*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 (R30-NGGP-2007) Sections                        |
|----------------------|-------------------|---|----------------|-----------------|----------------|---|
| <i>Facility-wide</i> |                   |   |                |                 |                | 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, 3.6 & 3.7. |
| BLR3*                | BL3               | Heating System Boiler; Peerless Model # 211A-21                           | 2001           | 3.6 MMBTU/hr    | N/A            | Section 4.0   |
| HTR1*                | H1                | North Field Indirect-fired Line Heater #1; NATCO Model # 3X6-25-Y         | 1959           | 4.0 MMBTU/hr    | N/A            | Section 4.0   |
| HTR2*                | H2                | North Field Indirect-fired Line Heater #2; NATCO Model # 3X6-25-Y         | 1959           | 4.0 MMBTU/hr    | N/A            | Section 4.0   |
| HTR3*                | H3                | North Field Indirect-fired Line Heater #3; BS&B Model # 6X24              | 1969           | 8.0 MMBTU/hr    | N/A            | Section 4.0   |
| HTR4*                | H4                | South Field Indirect-fired Line Heater; NATCO Model # 3X6-25-Y            | 1959           | 4.0 MMBTU/hr    | N/A            | Section 4.0   |
| HTR5*                | H5                | Zone 6 Indirect-fired Line Heater; Bryant Inc Serial # 21031F             | 1981           | 1.0 MMBTU/hr    | N/A            | Section 4.0   |
| HTR6*                | H6                | Direct-fired Contact tower Regen. Heater John Zink Model VPM-RA30         | 1959           | 3.0 MMBTU/hr    | N/A            | None  |
| 04901*               | E01               | Reciprocating Engine/Integral Compressor; Clark TRA-6; 2-cycle, lean burn | 1960           | 1100 HP         | N/A            | None  |
| 04902*               | E02               | Reciprocating Engine/Integral Compressor; Clark TRA-6; 2-cycle, lean burn | 1960           | 1100 HP         | N/A            | None  |
| 04903*               | E03               | Reciprocating Engine/Integral Compressor; Clark TRA-6; 2-cycle, lean burn | 1960           | 1100 HP         | N/A            | None  |
| 04904*               | E04               | Reciprocating Engine/Integral Compressor; Clark TRA-6; 2-cycle, lean burn | 1960           | 1100 HP         | N/A            | None  |
| 04905*               | E05               | Reciprocating Engine/Integral Compressor; Clark TRA-6; 2-cycle, lean burn | 1970           | 1100 HP         | N/A            | None  |

| Emission Unit ID | Emission Point ID | Emission Unit Description (Make, Model, Serial No.)   | Year Installed | Design Capacity | Control Device | Applicable Natural Gas General Permit (R30-NGGP-2007) Sections |
|------------------|-------------------|---|----------------|-----------------|----------------|--|
| 04907*           | E07               | Reciprocating Engine/Dehy Compressor; Waukesha F11GSIU; 4-cycle, rich burn                      | 2004           | 238 HP          | N/A            | None   |
| 049G1*           | G1                | Reciprocating Engine/Generator; Roiline L-3460; 4-cycle, rich burn                              | 1960           | 300 HP          | N/A            | None   |
| 049G2*           | G2                | Reciprocating Engine/Generator; Roiline L-3460; 4-cycle, rich burn                              | 1960           | 300 HP          | N/A            | None   |
| A09              | A09               | Horizontal Fixed Roof Water Mixture Tank<br><i>(max true vapor pressure less than 15.0 kPa)</i> | 1990           | 30,000 gallon   | N/A            | Section 11.0;<br>40 C.F.R § 60.110b(b) and 40 C.F.R § 60.116b  |
| A10              | A10               | Horizontal Fixed Roof Water Mixture Tank<br><i>(max true vapor pressure less than 15.0 kPa)</i> | 1990           | 30,000 gallon   | N/A            | Section 11.0;<br>40 C.F.R § 60.110b(b) and 40 C.F.R § 60.116b  |
| A11              | A11               | Horizontal Fixed Roof Water Mixture Tank<br><i>(max true vapor pressure less than 15.0 kPa)</i> | 1990           | 30,000 gallon   | N/A            | Section 11.0;<br>40 C.F.R § 60.110b(b) and 40 C.F.R § 60.116b  |
| A12              | A12               | Horizontal Fixed Roof Water Mixture Tank<br><i>(max true vapor pressure less than 15.0 kPa)</i> | 1990           | 30,000 gallon   | N/A            | Section 11.0;<br>40 C.F.R § 60.110b(b) and 40 C.F.R § 60.116b  |
| A13              | A13               | Horizontal Fixed Roof Water Mixture Tank<br><i>(max true vapor pressure less than 15.0 kPa)</i> | 1990           | 30,000 gallon   | N/A            | Section 11.0;<br>40 C.F.R § 60.110b(b) and 40 C.F.R § 60.116b  |

\* All combustion equipment burns pipeline quality natural gas only.

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

1. Operation of Waukesha F11 GSIU 4-stroke Rich Burn Reciprocating Engine (E07) is limited to 1,456 hours per year.  
[45CSR13, PD04-069] [E07]