



West Virginia Department of
Commerce, Labor & Environmental Resources
Air Pollution Control Commission

COPY

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Charleston, West Virginia 25311

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WEST VIRGINIA AIR POLLUTION
CONTROL COMMISSION
1558 Washington Street, East
Charleston, West Virginia 25311

v.

COLUMBIA GAS TRANSMISSION CORPORATION
Post Office Box 1273
Charleston, West Virginia 25325-1273

CONSENT ORDER

Under the authority and direction of the West Virginia Code, Chapter 16, Article 20, Section 5 (17), which reads in pertinent part as follows:

(17) Whenever the Commission achieves informally, by letter, or otherwise, an agreement with any person that said person will cease and desist in any act resulting in the discharge of pollutants or do any act to reduce or eliminate such discharge, such agreement shall be embodied in a Consent Order and entered as, and shall have the same effect as, an Order entered after a hearing as provided in Section 6 (§ 16-20-6) of this article.,

this Consent Order is hereby entered.

I. FINDINGS OF FACT

1. Columbia Gas Transmission Corporation (hereinafter referred to as the "Company") owns and operates a natural gas compressor station known as the Lost River Station at Mathias, Hardy County, West Virginia.
2. The Company wishes to construct a new Dresser Rand TLAD-10 compressor engine at the Lost River Station, and wishes to have the new compressor engine installed and ready for use by November 1, 1990 in order to meet peak demands during cold weather of the winter of 1990-91.

3. Internal combustion engines are specifically excluded from the permit requirements of Regulation 13 - "Permits for Construction, Modification, or Relocation of Stationary Sources of Air Pollutants, and Procedures for Registration and Evaluation".
4. However, the existing Lost River Station is a "major source" as defined in Regulation 14 - "Permits for Construction and Major Modification of Major Stationary Sources of Air Pollution for the Prevention of Significant Deterioration" (PSD), because the Lost River Station has the potential to emit more than 250 tons/year of Nitrogen Oxides (NOx).
5. Regulation 14 (PSD) provides that a PSD permit is required for any construction which results in a significant net emissions increase at a major source. For NOx, a net emissions increase exceeding 40 tons/year would be significant.
6. If the proposed new compressor engine operates at maximum design capacity for a full year, the estimated emissions of NOx from the new engine would be approximately 107 tons/year, based on the Company's emission factor and capacity data. This annual NOx emission rate is greater than 40 tons/year, and would trigger a requirement for a permit under Regulation 14 (PSD).
7. If the proposed new compressor engine produces 14,741,000 or less brake horsepower-hours (BHP-Hr) per year, the estimated emissions of NOx from the new engine would not exceed approximately 39.0 tons/year, based on the Company's emission factor and capacity data. This annual NOx emission rate is less than 40 tons/year and, therefore, would not trigger a requirement for a permit under Regulation 14 (PSD).
8. The Company proposes to limit operation of the new compressor engine such that emissions of NOx from the new engine would be less than 40 tons/year, therefore, no permit under Regulation 14 (PSD) would be required.
9. However, the Company has submitted a study which indicates that capacity limitations of the pipeline supply and delivery system for the Lost River Station are such that the Company cannot fully utilize the new compressor engine on an annual basis. Based on current five-year projections, the Company estimates that the new compressor engine will operate at less than 20% of its maximum annual capacity. At this level of operations, the annual NOx emission would be approximately 20 tons/year, based on the Company's emission factor and capacity data.

II. CONCLUSIONS OF LAW

1. The Commission is the Agency empowered and authorized to regulate and control pollution of the air in the State of West Virginia as set forth in the Code.
2. The Commission has acted in accordance with the Code.
3. The Commission has given proper notice in accordance with the Commission's rules and the federal Clean Air Act.
4. This Consent Order reflects an agreement for the reduction of emissions, but is not based upon any finding of violation of Chapter 16, Article 20 of the West Virginia Code or the Commission's regulations promulgated thereunder.
5. In order to make the emission limitations established in this Consent Order federally enforceable in conformance with Regulation 14 (PSD), this Consent Order shall be submitted to USEPA as a SIP revision.

III. COMPLIANCE PROGRAM

The Company hereby agrees to comply with the Code and Regulation 14 (PSD) and in furtherance thereof agrees to the following:

1. Hourly and annual emissions from the new compressor engine shall not exceed the following limits:

<u>Pollutant</u>	<u>lbm/hr</u>	<u>tons/yr</u>
NOx	24.55	39.00
CO	21.48	34.12
NMHC	7.16	11.37

2. The operation of the new compressor engine shall not exceed 14,741,000 BHP-Hr/year. Such operation shall occur only when the capacity of the existing compressor engines is not sufficient to meet the system demand.
3. The new compressor engine shall be equipped with a device to continuously measure the number of brake horsepower-hours produced by the new compressor engine.
4. Records shall be kept concerning the number of brake horsepower-hours produced each day by the new compressor engine, and by the existing compressor engines during operation of the new engine. A report of these data shall be submitted to the Commission for each calendar quarter. Such reports shall be postmarked no later than the 15th day of the month immediately following each such calendar quarter.

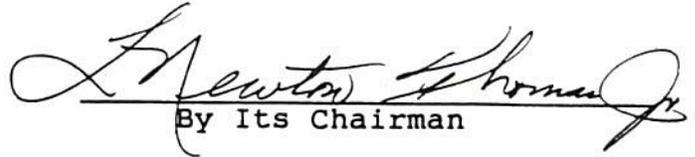
5. The Company shall provide the Director with written notice of the date of initial startup of the proposed new compressor engine. Such notice shall be postmarked no later than thirty (30) days after the date of initial startup.
6. Within one hundred twenty (120) days after the date of initial startup of the proposed new compressor engine, and at such other reasonable time(s) as the Director may designate, the Company shall conduct or have conducted stack tests to determine compliance with the emission limitations established in this Consent Order and/or applicable Commission Regulations. Tests shall be conducted in such a manner as the Director may specify or approve and must be filed in a manner acceptable to the Director. Test methods must be selected from applicable methods specified in Appendix A of 40 CFR 60 (New Source Performance Standards). The Director, or his duly authorized representative, may at his option witness or conduct such stack test. Should the Director exercise his option to conduct such tests, the operator will provide all the necessary sampling connections and sampling ports to be located in such manner as the Director may require, power for test equipment, and the required safety equipment such as scaffolding, railings, and ladders to comply with general accepted good safety practices. For tests to be conducted by the Company, a test protocol must be submitted to the Commission by the Company at least thirty (30) days prior to the test and must be approved by the Director. The Director must be notified at least fifteen (15) days in advance of the actual dates and times during which the tests will be conducted. The Director may, at his option, accept test data from the manufacturer of the proposed new compressor engine in lieu of the first stack test referenced at the beginning of this paragraph, provided, however, that such stack test must be performed in accordance with a test protocol approved by the Director.
7. The Company fully accepts that the determination of and requirement for the application of Best Available Control Technology (BACT) required by any subsequent application for a permit under Regulation 14 (45CSR14) shall not, at the time of such application, be prejudiced by or contingent in any manner upon the design of the natural gas compressor engine and any air pollution control device installed pursuant to this Consent Order. The Company further agrees that any relaxation of the operating limitations placed upon the installed natural gas compressor engine by this Consent Order shall not be granted until such time as the BACT analysis is completed with any resultant equipment installed and placed into operation and all other requirements of Regulation 14 are met.

IV. OTHER PROVISIONS

1. The Company agrees to comply with all requirements of this Consent Order and further agrees to waive any and all rights of appeal of this Consent Order.
2. Nothing contained in this Consent Order shall be interpreted in such a manner as to relieve the Company of the responsibility to make all necessary short-term emission reductions as provided and required in Regulation 11 - "Prevention of Air Pollution Emergency Episodes".
3. The provisions of this Consent Order are severable and should any provisions be declared by a court of competent jurisdiction to be invalid or unenforceable, all other provisions shall remain in full force and effect.
4. This Consent Order shall become effective immediately upon signing by both parties.
5. This Consent Order is binding on the Company, its successors and assigns.
6. Violations of this Consent Order may subject the Company to penalties in accordance with Chapter 16, Article 20, Section 8 and injunctive relief in accordance with Chapter 16, Article 20, Section 9 of the Code of West Virginia, and federal enforcement action penalties under Section 113 of the federal Clean Air Act.

AND NOW, this 12th day of SEPTEMBER, 1990, the WEST VIRGINIA AIR POLLUTION CONTROL COMMISSION agrees to and enters into this Consent Order.

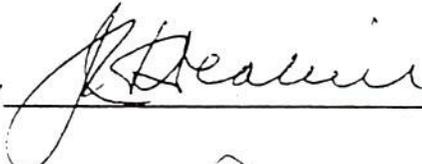
WEST VIRGINIA AIR POLLUTION
CONTROL COMMISSION


By Its Chairman

COLUMBIA GAS TRANSMISSION CORPORATION, hereby agrees with the provisions and consents to the terms of this Consent Order and agrees to comply with all requirements set forth herein.

AND NOW, this 12th day of September, 1990, COLUMBIA GAS TRANSMISSION CORPORATION, by its duly authorized representative, consents to, agrees to and enters into this Consent Order.

COLUMBIA GAS TRANSMISSION
CORPORATION

By 
Its Vice President