



COMMONWEALTH of VIRGINIA

DEPARTMENT OF ENVIRONMENTAL QUALITY

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Secretary of Natural Resources

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Director

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COMMONWEALTH OF VIRGINIA OPERATING PERMIT

STATIONARY SOURCE PERMIT TO OPERATE

In compliance with the Federal Clean Air Act and the Commonwealth of Virginia Regulations for the Control and Abatement of Air Pollution,

CNG Transmission Corp.
625 Liberty Avenue
CNG Tower
Pittsburgh, PA 15222-3199

Registration No. 71978
County-Plant No. 107-0101

is authorized to operate

a natural gas compressor station

located

on the west side of State Road 860,
3 miles north of U.S. Highway 50,
near Leesburg in Loudoun County

in accordance with the Conditions of this permit and all other applicable permits and regulations of the State Air Pollution Control Board.

Approved on May 22, 2000.


Dennis H. Treacy
Director

Permit consists of 3 pages.
Permit Conditions 1 to 9.

PERMIT CONDITIONS - the regulatory reference and authority for the condition is listed in parentheses () after each condition.

1. This permit establishes source-specific emission standards and/or other requirements to implement reasonably available control technology (RACT) as required by 9 VAC 5-40-300, 9 VAC 5-40-310 and 9 VAC 5-40-311 of the State Air Pollution Control Board's Regulations.
(9 VAC 5-80-800 C.2.b of State Regulations)
2. Equipment subject to 9 VAC 5 Chapter 40, Article 4 and RACT requirements pursuant to Section 182 of the federal Clean Air Act consists of:
 - two natural gas-fired Dresser Rand Model TLAD8 compressor engines rated at an output of 3010 horsepower each
 - one natural gas-fired Caterpillar Model 3508 auxiliary generator rated at an output of 550 horsepower
3. The emissions controls and limitations of the State Air Pollution Control Board permit to construct that was issued on July 22, 1992 were determined to represent the required best available control technology, and therefore, for emissions of nitrogen oxides (NO_x) and volatile organic compounds (VOC) are no less stringent than RACT. Consequently, for the purposes of this permit the nitrogen oxides (NO_x) emissions from the Dresser Rand compressor engines shall be controlled by lean-burn design, and averaged over a 3-hour period the emissions of NO_x (as NO₂) shall not exceed 1.5 g/bhp-hr and the emissions of VOC shall not exceed 0.46 g/bhp-hr.
(9 VAC 5-40-300, 9 VAC 5-40-310 and 9 VAC 5-40-311 of State Regulations)
4. The emissions controls and limitations of the State Air Pollution Control Board permit to construct that was issued on July 22, 1992 were determined to represent the required best available control technology, and therefore, for emissions of nitrogen oxides (NO_x) are no less stringent than RACT. Consequently, for the purposes of this permit the nitrogen oxides (NO_x) emissions from the Caterpillar Model 3508 auxiliary generator shall not exceed 2.0 g/bhp-hr.
(9 VAC 5-40-310 and 9 VAC 5-40-311 of State Regulations)

5. Exempted from the requirements of 9 VAC 5 Chapter 40, Article 4 for both volatile organic compounds (VOC) and nitrogen oxides (NO_x) are the following:
 - a. Process operations with a process weight rate capacity less than 100 pounds per hour;
 - b. Any combustion unit using solid fuel with a maximum heat input of less than 350,000 Btu per hour;
 - c. Any combustion unit using liquid fuel with a maximum heat input of less than 1,000,000 Btu per hour;
 - d. Any combustion unit using gaseous fuel with a maximum heat input of less than 10,000,000 Btu per hour.

(9 VAC 5-40-240 of State Regulations)
 6. At all times, including periods of startup, shutdown and malfunction, all units or processes, including those exempted by any conditions above, shall be maintained and operated to the extent possible in a manner consistent with good air pollution control practice of minimizing emissions.

(9 VAC 5-40-20 and 9 VAC 5-170-160 of State Regulations)
 7. Methods for demonstrating and reporting compliance with the conditions of this permit, including the periodic demonstration of compliance with the emission limits of this permit shall be incorporated in the federal operating ("Title V") permit for this facility. The records necessary to meet these requirements shall be as described in the federal operating permit and shall be retained by the permittee for a minimum of five years from the time that the relevant data was collected.

(9 VAC 5-80-110 of State Regulations)
 8. In the event of any change in control of ownership of the permitted source, the permittee shall notify the succeeding owner of the existence of this permit by letter and send a copy of that letter to the Regional Compliance Manager.

(9 VAC 5-80-940 of State Regulations)
 9. A copy of this permit shall be maintained on the premises of the facility to which it applies.

(9 VAC 5-80-860 of State Regulations)
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