



State of Ohio Environmental Protection Agency

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January 24, 1996

CERTIFIED MAIL

Re: Modification to Permit to Install No. 01-3870  
Fayette County

CNG Transmission Corp-Washington Station  
445 W. Main St.  
Clarksburg, WV 26301

Attention: Sean Sleigh

Enclosed please find a modification to the Ohio EPA Permit to Install referenced above which will modify the terms and conditions.

You are hereby notified that this action of the Director is final and may be appealed to the Environmental Board of Review pursuant to Section 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. It must be filed with the Environmental Board of Review within thirty (30) days after notice of the Director's action. A copy of the appeal must be served on the Director of the Ohio Environmental Protection Agency within three (3) days of filing with the Board. An appeal may be filed with the Environmental Board of Review at the following address: Environmental Board of Review, 236 East Town Street, Room 300, Columbus, OH 43215.

Very truly yours,

Thomas G. Rigo, Manager  
Field Operations and Permit Section  
Division of Air Pollution Control

Enclosure

cc: US EPA  
CENTRAL DISTRICT OFFICE, DAPC

RECEIVED  
JAN 29 1996  
OHIO EPA/100

George V. Voinovich, Governor  
Nancy P. Hollister, Lt. Governor  
Donald R. Schregardus, Director

## Permit to Install Terms and Conditions

Issuance Date: January 24, 1996

Effective Date: January 24, 1996

### OHIO ENVIRONMENTAL PROTECTION AGENCY

#### MODIFICATION TO PERMIT TO INSTALL

Name of Applicant: CNG Transmission Corp-Washington Station  
Address: 708 Parrot Station Rd, NW  
City: Washington Courthouse, Ohio  
Telephone: 304-623-8000

The Ohio EPA has received a request for a modification for the Ohio EPA Permit to Install referenced above.

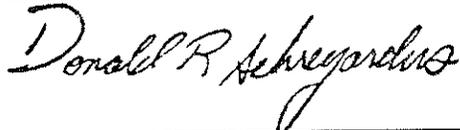
The Permit to Install issued to CNG Transmission Corp-Washington Station PTI No. 01-3870 is hereby modified in the following manner:

Terms and Conditions on Pages 4, 5 and 10 of Permit to Install issued August 12, 1992.

The reason for the modification is: to permit emissions of Organic Compound (OC) emissions (Non-VOC materials) and clarify compliance demonstration methodology for OCs and VOCs to pages 4, 5 and 10 of PTI 01-3870 issued August 12, 1992 due to negotiations settlement.

The above named entity is hereby granted a modification to the permit to install described above pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this modification does not constitute expressed or implied approval or agreement that, if constructed or modified in accordance with the plans included in the application, the above described source(s) of environmental pollutants will operate in compliance with applicable State and Federal laws and regulations, and does not constitute expressed or implied assurance that if constructed or modified in accordance with those plans included in the application, the above described source(s) of pollutants will be granted the necessary operating permits.

Ohio Environmental Protection Agency



Director

<u>Ohio EPA Source Number</u>	<u>Source Identification/Description</u>	<u>BAT Determination</u>	<u>Applicable Federal and OAC Rules</u>	<u>Permit Allow Mass Emission or Control Requirements</u>
B001	5500 HP Gas-Fired Turbine #1	Use of Natural Gas and Current Low NO <sub>x</sub> Dry Combustion Technology; Retrofit with Low NO <sub>x</sub> Lean Air Combustor Control By the Dates Defined In the Attached Terms and Conditions	3745-31-05 40 CFR 60 Subpart GG 3745-17-11 (B)(4)	1.6 gm/HP-hr lbs/hr of NO 0.15 gm/HP-h 1.82 lbs/hr 0.1 gm/HP-hr 1.23 lbs/hr 0.035 lb PM/ Input, 1.7 1 hour
B002	5500 HP Gas-Fired Turbine #2	Use of Natural Gas and Current Low NO <sub>x</sub> Dry Combustion Technology; Retrofit with Low NO <sub>x</sub> Lean Air Combustor Control By the Dates Defined In the Attached Terms and Conditions	3745-31-05 40 CFR 60 Subpart GG 3745-17-11 (B)(4)	1.6 gm/HP-hr lbs/hr of NO 0.15 gm/HP-h 1.82 lbs/hr 0.1 gm/HP-hr 1.23 lbs/hr 0.035 lb PM/ Input, 1.7 1 hour
B003	5500 HP Gas-Fired Turbine #3	Use of Natural Gas and Current Low NO <sub>x</sub> Dry Combustion Technology; Retrofit with Low NO <sub>x</sub> Lean Air Combustor Control By the Dates Defined In the Attached Terms and Conditions	3745-31-05 40 CFR 60 Subpart GG 3745-17-11 (B)(4)	1.6 gm/HP-hr lbs/hr of NO 0.15 gm/HP-h 1.82 lbs/hr 0.1 gm/HP-hr 1.23 lbs/hr 0.035 lb PM/ Input, 1.7 11 hour
B004	8.5 MMBTU/hr Gas-Fired Boiler	Use of Natural Gas	3745-31-05	1.53 lbs/hr 0.128 lbs/hr 0.2 TPY of V

Ohio EPA Source Number	Source Identification/Description	BAT Determination	Applicable Federal and OAC Rules	Permit All Mass Emission or Control Require
B005	778 HP Generator	Use of Natural Gas	3745-31-05	3.43 lbs/hr 2.22 lbs/hr 0.13 TPY VO

\*This limit will be revised with the addition of the low NO<sub>x</sub> lean air combustor. The future limit is anticipated to be 42 ppm of NO<sub>x</sub>.

SUMMARY  
 TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

Pollutant	Tons/Year
NO	276.6
CO <sup>x</sup>	34.2
VOC	16.2
PM	22.55
OC	22.3

NSPS REQUIREMENTS

The following sources are subject to the applicable provisions the New Source Performance Standards (NSPS) as promulgated by United States Environmental Protection Agency, 40 CFR Part 60.

Source No.	Source Description	NSPS Regulation (Sub
B001	Turbine	GG
B002	Turbine	GG
B003	Turbine	GG

The application and enforcement of these standards are delegat to the Ohio EPA. The requirements of 40 CFR Part 60 are also federally enforceable.

Pursuant to the NSPS, the source owner/operator is hereby advi of the requirement to report the following at the appropriate times:

ADDITIONAL SPECIAL TERMS AND CONDITIONS

1. Emission rates from each turbine should not exceed the following:

NO	19.4 lbs/hr	and	84.97	Tons/year
CO <sup>x</sup>	1.82 lbs/hr	and	7.97	Tons/year
VOC	1.23 lbs/hr	and	5.39	Tons/year.

These emission rates are determined for 8760 hours a year operation.

2. Requirements for the Installation of Low NO<sub>x</sub> Lean Air Combustion Control Burners

CNG Transmission Corp. shall install low NO<sub>x</sub> lean air combustion control burners on the following<sup>x</sup> sources by December 31, 1996:

<u>LOCATION/SITE</u>	<u>OHIO EPA #</u>	<u>DESCRIPTION</u>
Newark Station	B001	5500 HP Turbine #1
Newark Station	B002	5500 HP Turbine #2
Newark Station	B003	5500 HP Turbine #3
Washington Station	B001	5500 HP Turbine #1
Washington Station	B002	5500 HP Turbine #2
Washington Station	B003	5500 HP Turbine #3
Carroll Station	B001	4390 HP Turbine #1
Carroll Station	B002	4390 HP Turbine #2

In addition, of the above 8 gas turbines, any 2 must be retrofitted with the new burners by December 31, 1994 and any 5 must be retrofitted by December 31, 1995.

Once the low NO<sub>x</sub> lean air combustion control burners are installed the allowable NO<sub>x</sub> emission rate shall be 42 PPMV at 15% Oz.

Within 60 days of the installation of the modified turbine the company shall stack test in the same manner described above in this permit to install.

3. The Ohio EPA reserves the right to require additional tests at any time.
4. Compliance with Organic Compound and VOC limits in this permit shall be demonstrated in accordance with EPA Method 25A (4 CFR, Part 60, Appendix A) unless otherwise approved in writing by Ohio EPA and USEPA. For quantifying VOC emissions, correction for methane emissions shall be made in accordance with approved procedures.