

COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
SOUTHWEST REGION - FIELD OPERATIONS  
AIR QUALITY  
400 WATERFRONT DRIVE  
PITTSBURGH, PENNSYLVANIA 15222-4745

RACT OPERATING PERMIT

In accordance with provisions of the Air Pollution Control Act, of January 8, 1960, P.L. 2119, as amended, and after due consideration of an application received under Chapter 127 of the Rules and Regulations of the Department of Environmental Protection, the Department hereby issues this permit for the operation of the air contamination source described below.

Permit No.: 65-000-634

Source : Natural Gas Fired Engines

Owner : CNG Transmission Corporation

Air  
Cleaning  
Devices :

Address : 445 West Main Street  
P.O. Box 2450  
Clarksburg, WV 26302

Plant : Tonkin Compressor Station  
Location : Murrys'ville  
County : Westmoreland County

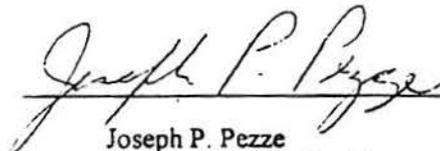
Attention : Sean R. Sleigh

This permit is subject to the following conditions:

- (1) That the source and any associated air cleaning devices are to be:
  - (a) operated in such a manner as not to cause air pollution;
  - (b) operated and maintained in a manner consistent with good operating and management practices.
- (2) This permit is valid only for the specific equipment, location and owner named above.
- (3) See attached.

Failure to comply with the conditions placed on this permit is a violation of section 127.25. Violation of this or any other provision of Article III of the Rules and Regulations of the Department of Environmental Protection will result in suspension or revocation of this permit and/or prosecution under Section 9 of the Air Pollution Control Act.

Issued: 10/13/95

  
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Joseph P. Pezze  
Regional Air Quality Manager  
Southwest Region

CNG Transmission Corporation  
Operating Permit: 65-000-634

## Special Conditions

3. This RACT Operating Permit approves the Reasonably Available Control Technology (RACT) proposal submitted by Consolidated Natural Gas Transmission (CNGT) Corporation for the J B Tonkin Compressor Station in Franklin Township, Westmoreland County.
5. Emission limits for the engines at this facility are as follows:

| Source                  | EMISSION LIMITS |       |        |       |        |      |
|-------------------------|-----------------|-------|--------|-------|--------|------|
|                         | NOx             |       | CO     |       | NMVOC  |      |
|                         | lbs/hr          | t/y   | lbs/hr | t/y   | lbs/hr | t/y  |
| (1) Cooper 12W-330      | 39.68           | 173.8 | 26.5   | 116.1 | 6.6    | 28.9 |
| (1) Waukesha L-5790-550 | 8.82            | 38.6  | --     | --    | --     | --   |

6. The Department may revise the emission limits established above based on actual emission rates.
7. The following sources will implement presumptive RACT in accordance with 25 Pa. Code Section 129.93:

| Source                                 | Rating       | Applicable Presumptive RACT<br>Emission Limitation |
|--|--------------|--|
| 1) Cleaver-Brooks<br>CB-700-800 Boiler | 3.3 MMBTU/hr | 25 PA Code Section 129.93 (c) (1)                  |

8. For those sources specified in Condition 7 which CNGT has elected to utilize presumptive technology provided for in 25 Pa. Code 129.93, CNGT shall operate and maintain the sources in accordance with good air pollution control practices.
9. A minimum of one (1) stack test in accordance with 25 PA Code Chapter 139 and the Department's Source Testing Manual shall be performed on all engines during the 5 year operating Permit to verify the emission rates for NOx (as NO2), CO, and NMVOC. Testing shall be conducted while engines are operating at full load, full speed during the ozone season (April to October).
10. All engines operating 750 hours or more during the preceding ozone season shall be stack tested semi-annually to verify the rates of NOx (as NO2),

VG Transmission Corporation  
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CO, and NMVOC through either an EPA Method stack test or through the use of portable monitors.

11. All engines operating less than 750 hours during the preceding ozone season shall be stack tested annually to verify the rates of NOx (as NO<sub>2</sub>), CO, and NMVOC through either an EPA Method stack test or through the use of portable monitors.
12. For those tests utilizing portable monitors, the company shall submit a complete operating procedure including calibration, QA/QC, and emissions calculation methods to the Department at least 60 days prior to the stack test specified in Condition 9, above. The accuracy of the portable analyzer readings shall be verified by operation and recording of readings during the EPA method stack testing of Condition 9. Results from stack tests using portable analyzers shall be retained by the company at the test location and provided annually with the emission statements and at other times as requested by the Department.
13. The company shall submit a pretest protocol for review at least 60 days prior to performance of the stack tests.
14. The Department shall be notified at least two weeks in advance of the date and time of the stack test so that an observer may be present.
15. Two copies of the stack test results shall be supplied to the Department for review within sixty (60) days of completion of testing.
16. CNGT shall maintain records in accordance with the recordkeeping requirements of 25 Pa. Code Section 129.95. At a minimum, the following records shall be kept for each engine: operating hours, daily fuel consumption, operating pressures, operating temperatures. These records shall be maintained on file at the facility for not less than two years and shall be made available to the Department upon request.
18. The RACT requirements shall be implemented as expeditious as practicable but no later than May 31, 1996.



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RACT OPERATING PERMIT

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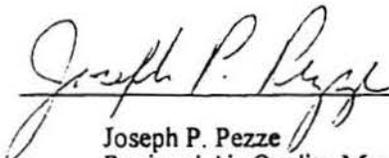
|             |                              |            |                             |
|-------------|------------------------------|------------|-----------------------------|
| Permit No.: | 65-000-852                   | Source :   | Internal Combustion Engines |
| Owner :     | CNG Transmission Corporation | Air :      | Ignition Timing Retardation |
| Address :   | 445 West Main Street         | Cleaning:  |                             |
|             | P.O. Box 2450                | Devices :  |                             |
|             | Clarksburg, WV 26301         |            |                             |
| Attention : | Sean R. Sleigh               | Plant :    | Jeannette Station           |
|             | Engineer                     | Location : | Penn Township               |
|             |                              | County :   | Westmoreland County         |

This permit is subject to the following conditions:

- (1) That the source and any associated air cleaning devices are to be:
  - (a) operated in such a manner as not to cause air pollution;
  - (b) operated and maintained in a manner consistent with good operating and management practices.
- (2) This permit is valid only for the specific equipment, location and owner named above.
- (3) See attached.

Failure to comply with the conditions placed on this permit is a violation of section 127.25. Violation of this or any other provision of Article III of the Rules and Regulations of the Department of Environmental Protection will result in suspension or revocation of this permit and/or prosecution under Section 9 of the Air Pollution Control Act.

Issued: 10/13/95

  
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Joseph P. Pezze  
Regional Air Quality Manager  
Southwest Region

NG Transmission Corporation  
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Special Conditions

3. This RACT Operating Permit is for the installation of ignition timing retard technology on three (3) Ingersoll Rand 412 KVS-DT, (1) Ingersoll Rand 410 KVG-AK, (1) Ingersoll Rand 83 KVG-NL, and (2) Ingersoll Rand PJVG internal combustion engines at the Consolidated Natural Gas Transmission Jeannette Compressor Station located in Penn Township, Westmoreland County.
4. All emission sources at the Jeannette Compressor Station may not operate after December 31, 1998.
6. Emission limits for the engines at this facility are as follows:

| Source            | EMISSION LIMITS |       |        |      |        |      |
|-------------------|-----------------|-------|--------|------|--------|------|
|                   | NOx             |       | CO     |      | NMVOC  |      |
|                   | lbs/hr          | t/y   | lbs/hr | t/y  | lbs/hr | t/y  |
| (3) IR 412 KVS-DT | 88.19           | 386.3 | 19.8   | 86.7 | 7.3    | 32.0 |
| (1) IR 410 KVG-AK | 38.80           | 170.0 | 11.0   | 48.2 | 4.0    | 17.5 |
| (1) IR 83 KVG-NL  | 31.04           | 136.0 | 8.8    | 38.5 | 3.2    | 14.9 |
| (2) IR PJUG       | 10.41           | 45.6  |        |      |        | --   |

7. The Department may revise the emission limits established above based on actual emission rates.
8. The following sources will implement presumptive RACT in accordance with 25 Pa. Code Section 129.93:

| Source                            | Rating        | Applicable Presumptive RACT Emission Limitation |
|-----------------------------------|---------------|---|
| (1) Superior Boiler Model #4RG60D | 2.14 MMBTU/hr | 25 PA Code Section 129.93 (c) (1)               |
| (1) BS&B Heater Model #5B-7224-45 | 4.45 MMBTU/hr | 25 PA Code Section 129.93 (c) (1)               |
| (1) Drip Gasoline Storage Tank    | 8,000 gal     | 25 PA Code Section 129.57                       |

9. For those sources specified in Condition 8 which CNGT has elected to utilize presumptive technology provided for in 25 Pa. Code 129.93, CNGT shall operate and maintain the source in accordance with good air pollution control practices.
10. A minimum of one (1) stack test in accordance with 25 PA Code Chapter 139

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and the Department's Source Testing Manual shall be performed on all engines during the five (5) year operating Permit to verify the emission rates for NOx (as NO<sub>2</sub>), CO, and NMVOC. Testing shall be conducted while engines are operating at full load, full speed during the ozone season (April to October).

12. All engines operating less than 750 hours during the preceding ozone season shall be stack tested annually to verify the rates of NOx (as NO<sub>2</sub>), CO, and NMVOC through either an EPA Method stack test or through the use of portable monitors.
13. For those tests utilizing portable monitors, the company shall submit a complete operating procedure including calibration, QA/QC, and emissions calculation methods to the Department at least 60 days prior to the stack test specified in Condition 10, above. The accuracy of the portable analyzer readings shall be verified by operation and recording of readings during the EPA method stack testing of Condition 10. Results from stack tests using portable analyzers shall be retained by the company at the test location and provided annually with the emission statements and at other times as requested by the Department.
14. CNGT shall submit a pre-test protocol to the Department for approval at least sixty (60) days prior to the stack test.
15. The Department shall be notified at least two weeks in advance of the date and time of the stack test so that an observer may be present.
16. Two copies of the stack test results shall be supplied to the Department for review within sixty (60) days of completion of testing.
17. CNGT shall maintain records in accordance with the recordkeeping requirements of 25 Pa. Code Section 129.95. At a minimum, the following records shall be kept for each engine: operating hours, daily fuel consumption, operating pressures, and operating temperatures. These records shall be maintained on file at the facility for not less than two years and shall be made available to the Department upon request.

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19. The RACT requirements shall be implemented as expeditious as practicable but no later than May 31, 1996.