

COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF AIR QUALITY



OPERATING PERMIT

In accordance with provisions of the air Pollution Control Act, the Act of January 8, 1960, P.L. 2119, as amended, and after due consideration of an application received under Chapter 127 and 129 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(s) described below.

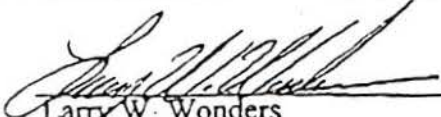
Permit No.:	OP-43-0272	Source(s):	14 Engines, 1 Boiler, 4 Heaters, 1 Furnace 3 Auxiliary Engines
Owner:	Tennessee Gas Pipeline	Air Cleaning Device(s):	Low Emission Combustion, Ignition Timing Retard
Address:	1010 Milam Street P.O. Box 2511 Houston, TX 77251	Location:	Station 219 Mercer, Mercer Co.
Attention:	Douglas M. Jordan, Principal Environmental Scientist		

This permit is subject to the following conditions:

1. That the source(s) and any associated air cleaning device(s) are to be:
  - a. operated in such a manner as not to exceed the emission limitations specified in this Operating Permit;
  - b. in compliance with the specifications and conditions of the applicable plan approval(s) issued;
  - c. operated and maintained in a manner consistent with good operating and maintenance practices.

Failure to comply with the conditions placed on this permit is a violation of 25 Pa. Code, Section 127.444. 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: April 7, 1999

  
Larry W. Wonders  
Regional Air Quality Program Manager

**Permit Conditions**  
**Permit No: OP-43-0272**  
**Company: Tennessee Gas Pipeline Company**

3. This operating Permit incorporates Reasonably Available Control Technology (RACT) determinations as required by Title I provisions of the Clean Air Act Amendments and 25 PA Code Sections 129.91 through 129.95 for the following sources:

- \* Six (6) Cooper-Bessemer GMV-10TF engines, each rated at 1100 brake horsepower and 300 RPM speed (the nitrogen oxides emissions from which shall be controlled by retarding ignition timing to 6 degree before top dead center)
- \* Two (2) Cooper-Bessemer GMV 10TFS engines, each rated at 1350 brake horsepower and 300 RPM speed (the nitrogen oxides emissions from which shall be controlled by low emission combustion retrofit kits)
- \* Five (5) Cooper-Bessemer GMV10 engines, each rated at 1350 brake horsepower and 300 RPM speed) (the nitrogen oxides emissions from which shall be controlled by retarding ignition timing to 8 degree before top dead center)
- \* One (1) Cooper-Bessemer 16V-250 engine, rated at 5500 brake horsepower and 250 RPM speed (the nitrogen oxides emissions from which shall be controlled by low emission combustion retrofit kits)
- \* Three (3) auxiliary engines rated at 408 brake horsepower
- \* One (1) office and utility furnace rated at 0.15 MMBtu/hr heat input
- \* One (1) 1.5 MMBtu/hr boiler
- \* Four (4) small heaters, each rated at less than or equal to 40,000 Btu/hr heat input

5. Pursuant to the RACT provisions of Sections 129.91 through 129.95 of Chapter 129 of Article III of the Rules and Regulations of the Department of Environmental Protection, the nitrogen oxides (NOx, expressed as NO2) emissions from each of the following Cooper-Bessemer engines identified in Condition 3 herein shall not exceed the following limitations:

<u>Engine</u>	<u>NOx</u> <u>pounds per hour</u>
Six GMV-IOTF	31.6
Two GMV-IOTFS	11.9
Five GMVA-10	33.3
One 16V-250	48.5