

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.

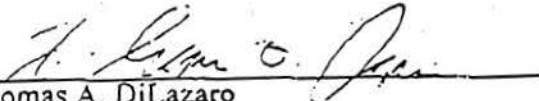
Permit No.:	OP-58-0001A	Source(s):	3 Turbines, 1 Generator 13 Heaters, 2 Furnaces 1 Boiler
Owner:	Tennessee Gas Pipeline Company	Air Cleaning Device(s):	None
Address:	1001 Louisiana Street P.O. Box 2511 Houston, TX 77002	Location:	Station 321 Uniondale, Susquehanna Co.
Attention:	Doug Jordan, Principal Environmental Scientist		

This permit is subject to the following conditions:

- I. 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: APR 13 1998

  
Thomas A. DiLazaro  
Program Manager, Air Quality Program

**Permit Conditions**  
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**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:
  - \* Three (3) Solar Centaur Recuperated natural gas-fired turbines, each rated at 3333 brake horsepower
  - \* One (1) Waukesha F1197GU backup generator rated at 228 brake horsepower
  - \* One (1) Boiler rated at 1.25 MMBtu/hr heat input
  - \* One (1) Control furnace rated at 1 MMBtu/hr heat input
  - \* Four (4) Space heaters, each rated at 60,000 Btu/hr heat input
  - \* Four (4) Space heaters, each rated at 150,000 Btu/hr heat input
  - \* One (1) Space heater rated at 100,000 Btu/hr heat input
  - \* One (1) Space heater rated at 120,000 Btu/hr heat input
  - \* One (1) Odorizer furnace rated at 1 MMBtu/hr heat input
  - \* Three (3) water heaters, each rated at 30,000 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 (NO<sub>x</sub>, expressed as NO<sub>2</sub>) emissions from each of the Solar Centaur Recuperator turbines identified in Condition 3 herein shall not exceed 140 ppm<sub>dv</sub> corrected at 15% oxygen.
6. The NO<sub>x</sub> emission limits apply at all times except during periods of start-up and shut-down. Provided, however that the duration of start-up or shut-down shall not exceed one hour per occurrence.
7. Pursuant to 25 PA Code Section 129.93 (c) (1) of the RACT requirements, RACT for two furnaces, one boiler, and thirteen heaters listed in Condition 3 shall be installation, maintenance, and operation in accordance with manufacturer's specifications. These sources shall also be operated and maintained in accordance with good air pollution control practices.

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8. Pursuant to presumptive RACT requirements of 25 Pa. Code § 129.93(c)(5), the 228 brake horsepower backup generator shall not operate more than 500 hours in any consecutive 12 month period. This source shall also be operated and maintained in accordance with good air pollution control practices.
9. The company shall perform semi-annual NOx tests upon each of the three Solar Centaur turbines identified in Condition 3 herein using a portable exhaust gas analyzer which has been approved by the Department. The results from these tests shall be used to demonstrate compliance with NOx emissions limits established in Condition 5.
10. The Department may alter the frequency of portable analyzer tests based on the test results. The Department reserves the rights to require stack tests in accordance with EPA reference methods should the data from the portable analyzer warrant.
12. Company shall maintain records in accordance with the record keeping requirements of 25 PA Code Section 129.95 which, at a minimum, shall include:
  - \* The number of hours per calendar year that one backup identified in Condition 3 herein is operated.
  - \* The amount of fuel used per calendar year in each of the sources identified in Condition 3 herein.

These records shall be retained for a minimum of 2 years and shall be made available to the Department upon request.

