

revised

EPA

COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
SOUTHCENTRAL REGION - FIELD OPERATIONS  
AIR QUALITY PROGRAM

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 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: <u>22-2010</u>	Source & Air Cleaning Device: <u>Grantville Compressor Station</u>
Owner: <u>Texas Eastern Transmission Corporation</u>	<u>(See Attached)</u>
Address: <u>P.O. Box 1642</u>	
<u>Houston, TX 77251</u>	
Attention: <u>Mr. Charles Wait</u>	Location: _____
<u>Supervisor, Environmental Compliance</u>	<u>East Hanover Township</u> <u>Dauphin County</u>

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. in compliance with the specifications and conditions of the Reasonably Available Control Technology (RACT) plan;
  - c. operated and maintained in a manner consistent with good operating and maintenance practices.
2. This permit is valid only for the specific equipment, location and owner named above.

4. See attached.

Failure to comply with the conditions placed on this permit is a violation of 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: January 31, 1997

[Signature]  
Program Manager

Southcentral Region 22-2010 —  
EPA, Region III  
Permits

PERMIT NO. 22-2010

TEXAS EASTERN TRANSMISSION CORPORATION

GRANTVILLE COMPRESSOR STATION

Sources, Continued

The Grantville Compressor Station consists of the following sources:

<u>Source</u>	<u>Company I.D.</u>	<u>Manufacturer/Model</u>	<u>Control Device</u>
5000 Hp Gas Turbine	31701	Dresser Clark/DC 990	None
5000 Hp Gas Turbine	31702	Westinghouse/W-52	None
5000 Hp Gas Turbine	31703	Westinghouse/W-52	None
18,500 Hp Gas Turbine	31704	General Electric/Frame 5 MS 5001 LMD	None
445 Hp IC Engine	31735	Leroi/L 3460	None

Conditions, Continued

4. This operating permit is for the incorporation of the Department's NO<sub>x</sub> Reasonably Available Control Technology (RACT) requirements (25 Pa. Code, §§129.91 through 129.95) for the Grantville Compressor Station.
  
6. The gas turbines are subject to the following NO<sub>x</sub> emission standards when operating at normal conditions. Normal operating conditions are defined as +/-10 percent of the name-plate horsepower rating of the turbine.
  - a. Dresser Clark DC 990 (31701) - 150 ppmv corrected to 15 percent O<sub>2</sub>
  - b. Westinghouse W-52 (31702 and 31703) - 116 ppmv corrected to 15 percent O<sub>2</sub>
  - c. General Electric Frame 5 MS 5001 LMD (31704) - 120 ppmv corrected to 15 percent O<sub>2</sub>
  
7. The emission limits listed in Condition No. 6 do not apply during the startup and shutdown of the gas turbines. Startup and shutdown periods are limited to a maximum of one hour each.

TEXAS EASTERN TRANSMISSION CORPORATION

GRANTVILLE COMPRESSOR STATION

Conditions, Continued

8. The Leroi L 3460 emergency standby engine shall be operated less than 500 hours during any consecutive 12-month period [25 Pa. Code, §129.93(c)(5)].
9. Verification of the NO<sub>x</sub> emission standard listed in Condition No. 6 shall be conducted semi-annually utilizing methodology outlined in 25 Pa. Code, Chapter 139 and the Department's Source Testing Manual or by other means approved by the Department. Based on the monthly records of fuel usage and operating hours, the Department reserves the right to decrease the verification frequency to an annual basis.
10. At least two weeks prior to the test program, the Program Manager shall be informed of the date and time of the tests.
11. Within 60 days after completion of the test programs, two copies of the test reports, including all operating conditions, shall be submitted to the Program Manager. Test results shall be reported as follows:
  - a. ppm<sub>d</sub>v
  - b. ppm<sub>d</sub>v corrected to 15 percent O<sub>2</sub>
  - c. lb/hr
  - d. lb/mm Btu of heat input
12. Records shall be maintained in accordance with 25 Pa. Code, §129.95 requirements.
13. An annual report containing monthly records of fuel usage and operating hours for the sources listed in this operating permit shall be submitted to the Harrisburg District Supervisor. The report for January 1 through December 31 is due no later than March 1 of the following year for each operating year authorized by the operating permit or its renewal.

