

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: 06-1034 Source & Air  
Cleaning Device: Bechtelsville Compressor Station

Owner: Texas Eastern Transmission Corporation (See Attached)

Address: P.O. Box 1642  
Houston, TX 77251

Attention: Mr. Charles Wait Location: Washington Township  
Supervisor, Environmental Compliance Berks 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. in compliance with the specifications and conditions of the Reasonably Available Control Technology (RACT) plans;~~
- ~~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.

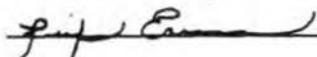
~~3. This operating permit is valid for a limited time only and may be renewed before its expiration. Requests for an operating permit renewal must be in writing and must be accompanied by a fee in the amount of \$500 payable to the "Commonwealth of Pennsylvania - Clean Air Fund." The request should be made on the attached interim Application for Renewal of a Permit to Operate form and must be received by the Department along with a completed Compliance History form (attached) no later than AUG 1 2001.~~

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

Expires: January 31, 2002

  
Program Manager

Southcentral Region 06-1034  
Lancaster District  
EPA, Region III  
Permits

PERMIT NO. 06-1034

## TEXAS EASTERN TRANSMISSION CORPORATION

## BECHTELSTVILLE COMPRESSOR STATION

Sources, Continued

The Bechtelsville 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   | 31902               | Westinghouse/W-52                       | None                  |
| 5000 Hp Gas Turbine   | 31903               | Westinghouse/W-52                       | None                  |
| 5000 Hp Gas Turbine   | 31904               | Dresser Clark/DC 990                    | None                  |
| 18,500 Hp Gas Turbine | 31905               | General Electric/Frame 5<br>MS 5001 LMD | None                  |
| 445 Hp IC Engine      | 31935               | Leroy/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 Bechtelsville Compressor Station. This operating permit includes the source previously covered under Operating Permit No. 06-328-002.
5. The expiration date shown on this RACT operating permit is for State purposes. For Federal Enforcement purposes this operating permit shall remain in effect as part of the State Implementation Plan (SIP) until replaced and approved by the U.S. Environmental Protection Agency (EPA). The operating permit shall become enforceable by EPA upon its approval as a revision to the SIP.
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 nameplate horsepower rating of the turbine.
  - a. Westinghouse W-52 (31902 and 31903) - 116 ppm<sub>dv</sub> corrected to 15 percent O<sub>2</sub>
  - b. Dresser Clark DC 990 (31904) - 150 ppm<sub>dv</sub> corrected to 15 percent O<sub>2</sub>
  - c. General Electric Frame 5 MS 5001 LMD (31905) - 120 ppm<sub>dv</sub> 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.

PERMIT NO. 06-1034

TEXAS EASTERN TRANSMISSION CORPORATION

BECHTELSTVILLE 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>dv</sub>
  - b. ppm<sub>dv</sub> 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 Reading District Office. 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.
- ~~14. This Dresser Clark DC 990 gas turbine is subject to Subpart GG of the Standards of Performance for New Stationary Sources and shall comply with all applicable requirements of this Subpart. 40 CFR 60.4 requires submission of copies of all requests, reports, applications, submittals, and other communications to both EPA and the Department. The EPA copies shall be forwarded to:~~

~~Director~~  
~~Air, Toxics and Radiation Division~~  
~~U. S. EPA, Region III~~  
841 Chestnut Street  
Philadelphia, PA 19107

