

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

N-035

518

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 Resources, the Department hereby issues this permit for the operation of the air contamination source described below.

Permit No: 31-2003 Source & Air
Cleaning Device: Entriiken Compressor Station

Owner: Texas Eastern Transmission Corporation (See Attached)

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

Attention: Mr. Charles Wait Location: Todd Township
Senior Engineer, Environmental Protection Huntingdon 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) 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.
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 \$600 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 DEC 1 1999.
4. See attached.

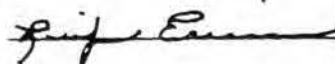
RECEIVED
Ozone & Mobile Sources
Section (3AT13)

JUN 9 1995

EPA, REGION III

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 Resources will result in suspension or revocation of this permit and/or prosecution under Section 9 of the Air Pollution Control Act.

Issued: MAY 16 1995
Expires: May 31, 2000


Program Manager

Southcentral Region 31-2003
EPA, Region III
Altoona Office
Permits

PERMIT NO. 31-2003

TEXAS EASTERN TRANSMISSION CORPORATIONENTRIKEN COMPRESSOR STATIONSources, Continued

The Entriken Compressor Station consists of the following sources:

<u>Source</u>	<u>Company I.D.</u>	<u>Manufacturer/Model</u>	<u>Control Device</u>
13,400 HP Gas Turbine	31601	General Electric/Frame 5 MS 5001 AMD	None
445 HP IC Engine	31635	Leroi/L 3460	None

Conditions, Continued

4. This operating permit is for the incorporation of the Department's NO_x Reasonably Available Control Technology (RACT) requirements (25 Pa. Code, §§129.91 through 129.95) for the Entriken Compressor Station.
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 General Electric Frame 5 MS 5001 AMD gas turbine (31601) is subject to an NO_x emission standard of 60 ppmdv corrected to 15% O₂ when operating at normal conditions. Normal operating conditions are defined as +/-10% of the nameplate horsepower rating of the turbine.
7. The emission limit listed in Condition 6 does not apply during the startup and shutdown of the gas turbine. Startup and shutdown periods are limited to a maximum of one hour each.
8. The Department reserves the right to revise the emission standard listed in Condition 6 based on actual emission data obtained during the testing program outlined in Conditions 10 through 13.
9. 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)].
10. Verification of the NO_x emission standard listed in Condition 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.

PERMIT NO. 31-2003

TEXAS EASTERN TRANSMISSION CORPORATION

ENTRIKEN COMPRESSOR STATION

Conditions, Continued

11. At least 60 days prior to the initial testing program, two copies of a test procedure shall be submitted to the Program Manager.
12. At least two weeks prior to the test program, the Program Manager shall be informed of the date and time of the tests.
13. 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_{dv}
 - b. ppm_{dv} corrected to 15% O₂
 - c. lb/hr
 - d. lb/mm Btu of heat input
14. Records shall be maintained in accordance with 25 Pa. Code, §129.95 requirements.
15. 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.

