

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

PLAN APPROVAL

Approval No: 05-2007 Source & Air  
Cleaning Device: Bedford Compressor Station

Owner: Texas Eastern Transmission Corporation (See Attached)

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

Attention: Mr. Charles Wait Location: \_\_\_\_\_  
Senior Engineer, Environmental Protection Bedford Township  
Bedford County

In accordance with provisions of the Air Pollution Control Act, the Act of January 8, 1960, P.L. 2119, as amended, and with Chapter 127 of the Rules and Regulations of the Department of Environmental Resources, the Department on MAY 16 1995 approved the NO<sub>x</sub> and VOC Reasonably Available Control Technology (RACT) plan for the above source. RECEIVED  
Office of Mobile Sources  
Section (3AT13)

~~This PLAN APPROVAL expires November 30, 1995.~~

The plan approved is subject to the following conditions:

EPA, REGION III

1. The Bedford Compressor Station's NO<sub>x</sub> and VOC RACT plan is to be implemented in accordance with the plans submitted with the application (as herein approved).
2. See attached.

Notify the person noted below when the installation is completed so that the source can be inspected for issuance of an OPERATING PERMIT.

NOTE: Mr. Richard D. Roller  
Air Pollution Control Engineer  
One Ararat Boulevard  
Harrisburg, PA 17110  
(717) 657-4587

  
Program Manager

Southcentral Region 05-2007  
EPA, Region III  
Altoona Office  
Permits

APPROVAL NO. 05-2007

TEXAS EASTERN TRANSMISSION CORPORATION

BEDFORD COMPRESSOR STATION

Sources, Continued

The Bedford Compressor Station consists of the following sources:

<u>Source</u>	<u>Company ID</u>	<u>Manufacturer/Model</u>	<u>Control Device</u>
Nine 1,320 Hp Piston Scavenged IC Engines	30301 thru 30308 plus 30310	Clark/HBA 6	Ignition Retard
Three 300 Hp IC Engines	30335 thru 30337	Ingersoll Rand/PVG 6	None

Conditions, Continued

2. This Plan Approval authorizes temporary operation of the source(s) covered by this Plan Approval provided the following conditions are met:
  - a. The Department must receive written notice from Texas Eastern Transmission Corporation of the completion of construction and Texas Eastern Transmission Corporation's intent to commence operation at least five (5) working days prior to the completion of construction. The notice must state when construction will be completed and when Texas Eastern Transmission Corporation expects to commence operation.
  - b. Operation is authorized only to facilitate the start-up and shake-down of sources and air cleaning devices, to permit operations pending the issuance of an Operating Permit or to permit the evaluation of the source(s) for compliance with all applicable regulations and requirements.
  - c. This condition authorizes temporary operation of the source(s) for a period of 180 days from the date of commencement of operation, provided the Department receives notice from Texas Eastern Transmission Corporation pursuant to subpart a., above.
  - d. Texas Eastern Transmission Corporation may request an extension if compliance with all applicable regulations and Plan Approval requirements has not been established. The extension request shall be submitted in writing at least 15 days prior to the end of this period of temporary operation and shall provide a description of the compliance status of the source, a detailed schedule for establishing compliance, and the reasons compliance has not been established.

APPROVAL NO. 05-2007

TEXAS EASTERN TRANSMISSION CORPORATION

BEDFORD COMPRESSOR STATION

Conditions, Continued

- e. The notice submitted by Texas Eastern Transmission Corporation pursuant to subpart a., above, prior to the expiration of this Plan Approval, shall modify the plan approval expiration date. The new plan approval expiration date shall be 180 days from the date of the written notice.
3. This plan approval is for the incorporation of the Department's NO<sub>x</sub> and VOC Reasonably Available Control Technology (RACT) requirements (25 Pa. Code, §§129.91 through 129.95) for the Bedford Compressor Station.
4. This plan approval requires the installation and operation of Ignition Retard technology on the nine Clark HBA 6 IC engines.
5. Each of the Clark HBA 6 IC engines is subject to the following emission standards:
  - a. NO<sub>x</sub> - 62.8 lb/hr
  - b. NMVOC - 2.9 lb/hr
6. The emission limits listed in Condition 5 do not apply during the startup and shutdown of the IC engines. Startup and shutdown periods are limited to a maximum of one hour each.
7. The Department reserves the right to revise the emission standard listed in Condition 5 based on actual emission data obtained during the testing program outlined in Conditions 9 through 12.
8. Each of the three Ingersoll Rand PVG 6 emergency standby engines 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> and NMVOC emission standards listed in Condition 5 shall be conducted semiannually 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 60 days prior to the initial testing program, two copies of a test procedure shall be submitted to the Program Manager.
11. At least two weeks prior to the test program, the Program Manager shall be informed of the date and time of the tests.

APPROVAL NO. 05-2007

TEXAS EASTERN TRANSMISSION CORPORATION

BEDFORD COMPRESSOR STATION

Conditions, Continued

12. 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 for NO<sub>x</sub> and NMVOC shall be reported as follows:
  - a. ppmv
  - b. gm/hp-hr
  - c. lb/hr
  - d. lb/mm Btu of heat input
13. Records shall be maintained in accordance with 25 Pa. Code, §129.95 requirements.
14. 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.