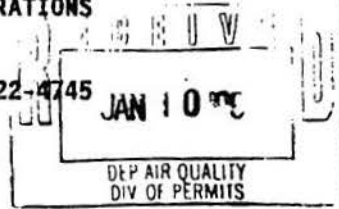


COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
SOUTHWEST REGION - FIELD OPERATIONS  
AIR QUALITY  
400 WATERFRONT DRIVE  
PITTSBURGH, PENNSYLVANIA 15222-4745

file



**RACT OPERATING PERMIT**

In accordance with provisions of the Air Pollution Control 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.: 26-000-413

Source: Internal Combustion Engines

Owner: Texas Eastern Transmission Corporation

Air:  
Cleaning:  
Devices:

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

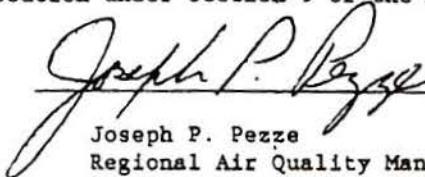
Attention: Charles E. Wait  
Senior Engineer

Plant: Uniontown Station (21-A)  
Location: North Union Township  
County: Fayette

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) operated and maintained in a manner consistent with good operating and management practices.
- (2) This permit valid only for the specific equipment, location and owner named above.
- (3) 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.

  
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Joseph P. Pezze  
Regional Air Quality Manager  
Southwest Region

Effective on: 12/20/96

3. This RACT Operating Permit approves the PACT proposal of Texas Eastern Transmission Corporation for the Uniontown Station in North Union Township, Fayette County.
4. This PACT Operating Permit is for the operation of non-selective catalytic reduction on four (4) Ingersoll Rand KVG-103 rich burn engines, dry low-NOx combustors on (2) Solar Mars turbines, and for the implementation of presumptive PACT on (8) ancillary sources by Texas Eastern Transmission Corporation at their Uniontown Station in North Union Township, Fayette County.
5. The hours of operation per quarter of the Ingersoll Rand KVG-103 engines shall be limited as follows:

Unit #	Hours of Operation Per Quarter				Total
	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	
1	1459	1419	793	1428	5099
2	1487	1607	647	1360	5101
3	1458	1213	1030	1400	5101
4	1560	1461	815	1263	5099
					20400

6. The plant shall only use low ash lubricating oil (0.5% or less) in the Ingersoll Rand KVG-103 engines.
7. The plant shall continuously monitor and record temperature rise and pressure differential across the catalyst of each Ingersoll Rand KVG-103 engine.
8. The catalytic converter of the Ingersoll Rand KVG-103 engines shall be equipped with a high temperature alarm and/or shutdown set at 1350 degrees Fahrenheit or less.
9. The catalyst on each Ingersoll Rand KVG-103 engine shall be physically inspected annually for physical damage and fouling. A log shall be kept detailing all actions taken to maintain catalyst performance. This file shall be maintained for a period of not less than two years and be made available to the Department upon request.
10. The plant shall continuously monitor and record oz levels prior to the catalyst on each Ingersoll Rand KVG-103 engine.
10. The plant shall maintain Oz levels below 0.5% on each Ingersoll Rand KVG-103 engine.

11. The emission rate for each Ingersoll Rand KVG-103 engine shall be limited as follows:

Emission	lb/hr	tons/yr
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NOx	4.8	12.2
NM VOC	0.5	1.3

12. The emission rate for the Solar Mars turbines shall be established by stack testing as required by Plan Approvals 26-399-004 and 26-399-005.
13. The Department may revise the emission limits established above based on actual emission rates.
14. The hours of operation per year of the Caterpillar 3412 emergency generator shall not exceed 500 hours.
15. The hours of operation per year of the Leroi L3460 emergency generator shall not exceed 500 hours.
16. The company shall maintain records in accordance with the recordkeeping requirements of 25 PA Code Section 129.95. At a minimum, the following records shall be kept for a source: operating hours, daily fuel consumption, operating pressures, and operating temperatures. These records shall be maintained on file for a period of not less than two years and shall be made available to the Department upon request.
17. A minimum of one (1) stack test in accordance with 25 PA Code Ch 139 and the Department Source Testing Manual shall be performed on all sources during the 5 year Operating Permit to verify the emission rates for NOx (as NO2), and NMVOC. Testing shall be conducted while engines are operating at full load and full speed during the ozone season (April to October).
18. All sources operating 750 hours or more during the preceding ozone season shall be stack tested semi-annually to verify the rates of NOx (as NO2), and NMVOC through either an EPA Method stack test or through the use of portable monitors.
19. All sources operating less than 750 hours during the preceding ozone season shall be stack tested annually to verify the rates of NOx (as NO2), and NMVOC through either an EPA Method stack test or through the use of portable monitors.
20. For those sources utilizing portable monitors, the company shall submit a complete operating procedure including calibration, QA/QC, and emissions calculation methods to the Department at least 60 days prior to the stack test specified in Condition 11, above. The accuracy of the portable analyzer readings shall be verified by operation and recording of readings during the EPA method stack testing of Condition 11. Results from the stack tests using

portable analyzers shall be retained by the company at the test location and provided annually with the emission statements and at other times as requested by the Department.

21. The company shall submit a pretest protocol for review at least 60 days prior to performance of the stack tests.
22. The company shall notify the Department at least two weeks prior to the stack tests so an observer may be present at the time of the tests.  
The company shall submit a stack test report to the Department within 60 days of testing.