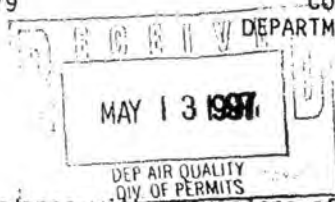


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Revised*



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
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>40-0002</u>	Source &	<u>Condition #3</u>
Owner	<u>Transcontinental Gas Pipeline Corporation</u>	Air	<u>Low Emission Combustion Technology on Unit #1 to #5</u>
Address	<u>P. O. Box 1396</u>	Cleaning	
	<u>Houston, TX 77251-1396</u>	Device	
Attention:	<u>Mr. William H. Hammons</u>	Location	<u>Route 115</u>
	<u>Manager, Air and Toxics</u>		<u>Buck Township</u>
			<u>Luzerne County</u>

This permit is subject to the following conditions:

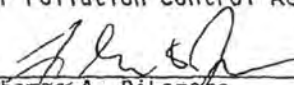
- (1) That the source and any associated air cleaning devices are to be:
 - (a) operated in such a manner as not to cause air pollution;
 - (b) in compliance with the specifications and conditions of the plan approval issued under the same number;
 - (c) operated and maintained in a manner consistent with good operating and maintenance practices.
- (2) This permit is valid only for the specific equipment, location and owner named above.

SEE ATTACHED.

Failure to comply with the conditions placed on this permit is in 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

MAY 12 1997


Thomas A. DiLazaro
Program Manager
Air Quality Program

- (8) The RACT emission rate for each source shall be limited as following:

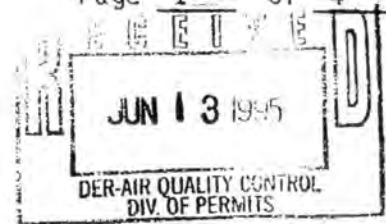
Source	Model No.	Hp	NOx Emissions rate Never to be exceeded limit Lb/hr
Unit No. 1 Engine	Cooper GMWC-10	3400	30.00
Unit No. 2 Engine	Cooper GMWC-10	3400	30.00
Unit No. 3 Engine	Cooper GMWC-10	3400	30.00
Unit No. 4 Engine	Cooper 10V-250	3400	30.00
Unit No. 5 Engine	Cooper 10V-250	3400	30.00
Unit No. 6 Turbine	Solar mars	12,600	79.3

- (9) The company shall maintain records in accordance with the recordkeeping requirements of 25 PA Code Section 129.95 and shall include as a minimum the following:
- (a) Data which clearly demonstrates that Unit No. 6 Solar mars turbine, and Unit No. 7 Roiline engine never exceeds the operational limit of 3,120 hours and 500 hours respectively.
 - (b) The records shall provide sufficient data to clearly demonstrate that the requirement of Condition No. 8 and 25 PA Code Sections 129.91-94 are met.
 - (c) All records shall be maintained for at least two years and shall be made available to the Department upon request.
- (10) Recordkeeping and reporting requirements are as follows:
- (a) The company shall maintain a file containing all records and other data that are required to be collected pursuant to the various provisions of this operating permit, 25 PA Code Section 129.95, such that records provide sufficient data and calculations to clearly demonstrate that the requirements of PA Code Sections 129.91-4 are met. The file shall include, but not be limited to: all air pollution control systems performance evaluations and records of calibration checks, adjustments and maintenance performed on all equipment which is subject to this Operating Permit. All measurements, records and other data required to be maintained by the company shall be retained for at least two years following the date on which such measurements, records or data are recorded.

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COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES
AIR QUALITY PROGRAM



PLAN APPROVAL

Permit No.	<u>40-0002A</u>	Source &	<u>Three (3) Cooper GMWC-10 & One (1) Cooper</u>
Owner	<u>Transcontinental Gas Pipeline Corporation</u>	Air	<u>10V-250 I.C. Engines</u>
Address	<u>P. O. Box 1346</u>	Cleaning	<u>Low Emissions Combustion Technology</u>
	<u>Houston, TX 77251-1396</u>	Device	<u></u>
Attention:	<u>Mr. William H. Hammons</u>	Location	<u>Route 115</u>
	<u>Manager, Air and Toxics</u>		<u>Buck Township</u>
			<u>Luzerne County</u>

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 31 1995 approved plans for modification of the above indicated air contamination source.

This PLAN APPROVAL expires _____.

The plan Approval is subject to the following conditions:

- (1) The source is to be modified in accordance with the plans submitted with the application (as approved herein).

(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: Babu H. Patel
Chief, Engineering Services
Air Quality Program
Department of Environmental Resources
2 Public Square
Wilkes-Barre, PA 18711-0790

Thomas A. DiLazaro

Thomas A. DiLazaro
Program Manager
Air Quality Program

- (2) This Plan Approval includes Reasonably Available Control Technology (RACT) determination for NOx for Unit Nos. 1, 2, and 3 Cooper GMWC-10 and Unit No. 4 Cooper 10V-250 I.C. Engines as required by Title I of CAAA; and, by the 25 PA Code, Section 129.91-4.
- (3) This Plan Approval is for the installation and operation of Low Emission Combustion Technology (LEC) on three (3) Cooper GMWC-10 and one (1) Cooper 10V-250 engines.
- (4) Within 180 days after completing the installation of technologies stated in Condition No. 3, a stack test shall be performed in accordance with the provision of Chapter 139 of the Rules and Regulations of the Department of Environmental Resources to determine the NOx emission rate. The stack test shall be performed while the aforementioned source is operating at the maximum rated capacity as stated on the application.
- (5) At least two weeks prior to the test, the Regional Air Quality Program Manager shall be informed of the date and time of the test.
- (6) At least sixty (60) days prior to the test required by Condition No. 4 pre-test protocol shall be submitted to the Department for review.
- (7) Within sixty (60) days of the completion of the test required by Condition No. 4 two copies of the complete test report, including all operating conditions, shall be submitted to the Regional Air Quality Program Manager.
- (8) Nitrogen Oxide (NOx) emissions from the following engines shall not at any time exceed the following limit.

<u>Engine</u>	<u>HP</u>	<u>NOx - Never to be Exceeded Limit</u>
Unit No. 1 - Cooper GMWC-10	3400 hp	30.0
Unit No. 2 - Cooper GMWC-10	3400 hp	30.0
Unit No. 3 - Cooper GMWC-10	3400 hp	30.0
Unit No. 4 - Cooper 10V-250	3400 hp	30.0

- (10) The Transcontinental Gas Pipeline Company shall implement the RACT requirements as expeditiously as possible, but no later than May 31, 1996.
- (11) The permittee shall keep records showing the operation of these engines. Recordkeeping shall be in format approved by the Department and shall be submitted to the Regional Air Quality Program Manager by January 31, of the following year.
- (12) Nothing in this permit shall be construed to supercede, amend or authorize violation of the provisions of any valid and applicable local law, ordinance or regulation, provided that said local law, ordinance or regulation is not preempted by the Pennsylvania Air Pollution Control Act, the Act of January 8, 1960, P.L. 2119, as amended, 35 P.S. §§4001-4015, et seq.

