

Commonwealth of Pennsylvania
Department of Environmental Protection
Bureau of Air Quality Control

Revised
RACT APPROVAL

APPROVAL NUMBER: OP 62-012B

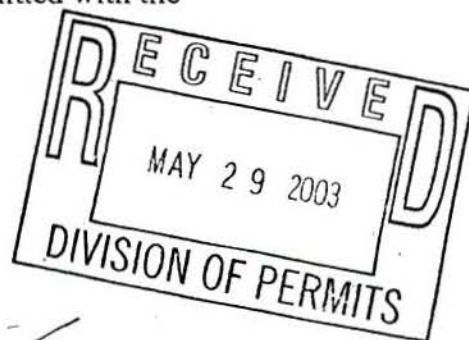
Owner:	Sithe Pennsylvania Holdings LLC	Source &	Boilers 1, 2, 3, 4
Address:	1001 Broad Street	Air Cleaning	Combustion Turbine
	Johnstown, PA 15907	Device	Emergency Generator
			Fugitive VOC Sources
Attention:	Mr. Timothy E. McKenzie	Location:	Warren Station
	Environmental Air Manager		Warren County


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 Protection, the Department on **January 20, 2000** revised the RACT Approval issued on **April 9, 1999** approving plans for achieving compliance by the above indicated air contamination source(s) with the requirements of 25 Pa Code Section 129.91 through 129.95.

The transfer of ownership of this permit becomes effective immediately upon the purchase and transfer of ownership of Penelec's and GPU Genco's assets at this site to Sithe Pennsylvania Holdings LLC.

The operating permit is subject to the following conditions:

1. The facility is to be operated in accordance with the plan submitted with the application as approved herein.
2. See attached.




Larry W. Wonders
Regional Air Quality Manager

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3. This Operating Permit is for the Amended NO_x and VOC RACT Plan for Warren Generating Station, Connewango Township, Warren County, operated by Sithe Pennsylvania Holdings LLC.
4.
 - a. Each Boiler (Nos. 1, 2, 3 and 4) shall not exceed an annual capacity factor of 65.1%.
 - b. Based upon a nominal heat input of 286.5 MMBtu/hr, each boiler shall be limited to an annual heat input of 1.634 million MMBtu/year on a 12 month rolling basis.
 - c. Each boiler shall implement bias firing. The boilers shall be operated and maintained in accordance with manufacturers specifications and good air pollution control practices.
5. Recognizing one common stack Continuous Emission Monitoring System (CEM) for Boiler Nos. 1, 2, 3, and 4, total NO_x (nitrogen oxides expressed as NO₂) emissions, combined from all four boilers, shall not exceed 2025.9 tons/year on a 12 month rolling basis.
6. NO_x emissions from Boiler Nos. 1, 2, 3, and 4 combined, shall not exceed 0.62 lb./MMBtu based on a thirty day rolling average.
7. Continuous Emission Monitoring System (GEMS) shall be operated and maintained to monitor NO_x emissions from the four boilers. All four boilers exhaust into a common stack containing a single CEMS.
8. The CEMS shall comply with 25 Pa Code Chapter 139 and the requirements of the Continuous Source Monitoring Manual.
9. NO_x emissions from the combustion turbine shall not exceed 400 tons on a 12-month rolling basis.
When burning Natural Gas:
 - a. Emission rate shall not exceed 0.499 lb/MMBTU.
 - b. Heat input shall not exceed 2.005×10^{12} BTU/yr or 1.944×10^9 CF/yr.
 - c. Annual capacity factor shall not exceed 18.3% on a heat input basis.
When burning No. 2 Oil:
 - a. Emission rate shall not exceed 0.9 lb/MMBTU.
 - b. Heat input shall not exceed 1.091×10^{12} BTU/yr or 7,905,000 gal/yr.
 - c. Annual capacity factor shall not exceed 9.98% on a heat input basis.

For each gallon used of No. 2 fuel oil, natural gas limit in the above statement shall decrease by 246 cubic feet. The turbine shall also be operated and maintained in accordance with manufacturers specifications and good air pollution control practices.
10. Compliance with the short term NO_x emission limit for the combustion turbine shall be established based on the average of three (3) one-hour stack tests.
 - a. Prior to testing, the test procedure shall be approved by the Department.

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- b. By September 30, 2002, stack tests shall be performed in accordance with the provisions of 25 Pa Code Chapter 139 to show compliance with the short term NOx emission limit.
 - c. At least two weeks prior to the test, the Department shall be informed of the date and time of the test.
 - d. Within 60 days after the test, two copies of the complete test report, including all operating conditions, shall be submitted to the Department for approval.
11. Within 30 days after the end of each calendar quarter, quarterly reports shall be submitted to the Department to show compliance with Conditions 4, 5, 6 and 9.
12. The emergency diesel generator shall comply with the requirements of 25 Pa Code Section 129.93(c)(5). The emergency diesel generator shall not exceed an operating schedule of 500 hours in a consecutive 12-month period. The source shall be operated and maintained in accordance with the manufacturer's specifications and good air pollution control practices.
13. Within 30 days of the end of the calendar year, the owner or operator shall submit annual operating reports to show compliance with RACT requirements for the emergency diesel generator.
14. a. VOC RACT for all sources shall be operation and maintenance in accordance with manufacturers specifications and good air pollution control practices.
- b. Fugitive evaporative sources of VOCs shall comply with the requirements of 25 Pa Code Sections 129.51, 129.54-129.72, 129.81 and 129.82, as applicable.

