

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES
BUREAU OF AIR QUALITY CONTROL

DEC 9 1996

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(s) described below.

Permit No.	<u>48-0011</u>	Source &	<u>Units 3 & 4, Auxiliary Boilers 3A & 4B</u>
Owner	<u>Pennsylvania Power & Light Company</u>		<u>Four (4) Combustion Turbines and Two (2) Diesel Generators</u>
Address	<u>Two North Ninth Street Allentown, PA 18101-1179</u>		
Attention:	<u>Mr. Reid T. Clemmer Senior Project Engineer</u>	Location	<u>Martins Creek SES Lower Mt. Bethel Township Northampton County</u>

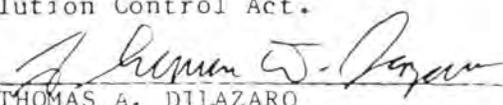
This permit is subject to the following conditions:

- (1) That the source(s) 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 a violation of Section 127.25. 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 DEC 11 1996


THOMAS A. DILAZARO
Regional Air Quality Program Manager

cc: Central Office
Wilkes-Barre Regional Office
Bethlehem District Office

- (4) The following NO_x emission limits shall apply:
 - (a) Unit 3: 0.45 lb/MMBTU (30 day rolling average)
 - (b) Unit 4: 0.45 lb/MMBTU (30 day rolling average)
- (5) VOC RACT for Units 3 and 4 shall be the maintenance and operation of the sources according to manufacturers specifications.
- (6) RACT for the combustion turbines shall be the maintenance and operation of the sources according to manufacturers specifications. The annual capacity factor of these units shall be less than 50%.
- (7) RACT for auxiliary boilers 3A and 4B shall be the maintenance and operation of the sources according to manufacturers specifications. The annual capacity factor of these units shall be less than 20%.
- (8) RACT for the diesel generators is the installation, maintenance and operation of the sources according to manufacturers specifications in accordance with the presumptive RACT emission limitations as found in 25 PA Code Section 129.93(c)(5).
- (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 the emission limits in Condition (4) are met.
 - (b) Data which clearly demonstrates that the annual capacity factors of the combustion turbines are less than 50%.
 - (c) Data which clearly demonstrates that the annual capacity factors of the auxiliary boilers are less than 20%.
 - (d) Data which clearly demonstrates that the operating hours of the diesel generators shall be less than 500 hours in a consecutive 12-month period.
 - (e) All records shall be maintained for at least 2 years and shall be made available to the Department on request.

(10) Continuous emission monitoring requirements are as follows:

(a) The following continuous emission monitors shall be operated and maintained in accordance with the Department's "Continuous Source Monitoring Manual" (Revision No. 5 - March 1993).

1. Unit 3 - Opacity CEM No. 03894
2. Unit 3 - SO₂ CEM No. 03694
3. Unit 3 - NO_x CEM No. 03794
4. Unit 4 - Opacity CEM No. 04194
5. Unit 4 - SO₂ CEM No. 03994
6. Unit 4 - NO_x CEM No. 04094
7. Unit 4B - Opacity CEM No. 01487

(b) Continuous monitoring shall be conducted in accordance with 25 PA Code Chapter 139 and 40 CFR 60 and 75 and be approved by the Department.

(c) All CEM reports shall be submitted to the Department within thirty (30) days after each quarter but no later than the time frame established in the Department's latest Continuous Source Manual. The Department reserves the right to require the report submissions in floppy disks with a format acceptable to the Department.

(d) All records shall be maintained for at least 2 years and shall be made available to the Department upon request.

(11) The company shall notify the Department within one hour of becoming aware of any malfunction(s) of the sources or associated air pollution control equipment which results in, or may possibly be resulting in, the emission of air contaminants in excess of the limitations specified in applicable Department Rules or Regulations. In addition to said telephone notice, written confirmation shall be submitted to the Department within five (5) work days which shall include a description on the known or suspected cause of the malfunction(s), correction action(s) completed and measures proposed by the company to prevent similar malfunctions in the future.

- (12) Any notification required to be given by the company as a result of any condition herein shall be deemed to have been properly given if made by telephone during normal working hours between 8:00 a.m. or 4:00 p.m. Monday through Friday excluding state holidays to the Bethlehem District Office, Bureau of Air Quality Control (610) 861-2070. If such notice is required to be given at any other time, or if there is no answer at the above number, such notice by telephone shall be given prior to 9:00 a.m. on the next day of State business.
- (13) The expiration date shown on this Operating Permit is for state purposes. For Federal Enforcement purposes the Operating Permit shall remain in effect as part of the State Implementation Plan (SIP) until replaced pursuant to 40 CFR 51.4 and approved by the U.S. Environmental Protection Agency (EPA). The Operating Permit shall become enforceable by the U.S. EPA upon its approval of the above as a revision to the SIP.

(14)