

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF AIR QUALITY

-COMPLIANCE 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 and 129 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(s) described below.

Permit No.: OP-37-0023

Source(s): Five (5) Steam Electric
Generating Units, and
Two (2) Electromotive
Diesel Units.

Owner: Pennsylvania Power Company

Control Devices: Six Cottrell Precipitators,
Three LNB with SOFA

Address: P. O. Box 891
1 East Washington Street
New Castle, PA 16103

Location: New Castle Plant
Lawrence County

Attention: Daniel V. Steen
Manager, Environmental Department


This permit is subject to the following conditions:

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

(See attached for additional conditions)

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.

Issued: April 8, 1999


Larry W. Wonders
Regional Air Quality Manager
Northwest Regional Office

cc Harrisburg, Central Office
RACT Binder

3. This RACT Operating Permit includes Reasonably Available Control Technology (RACT) determinations as required by Title I provisions of the CAAA, and, 25 PA Code Sections 129.91 through 129.95 for:

<u>Source Description</u>		<u>Rated Heat Input</u>	
1.	Unit Babcock and Wilcox Boiler-Unit No.3	1029 MMBtu/hour	
2.	Babcock and Wilcox Boiler-Unit No.4	1029 MMBtu/hour	
3.	Babcock and Wilcox Boiler-Unit No.5	1325 MMBtu/hour	
4.	Electromotive Diesel Unit- "A"	Diesel	<u>Rated Peak Power</u> 2750 KW
5.	Electromotive Diesel Unit- "B"	Diesel	2750 KW

4. This approval also incorporates RACT determinations as required by the provisions of Title I of the Clean Air Act Amendments and 25 Pa. Code Sections 129.91 through 129.95 for the following permanently shutdown sources:

<u>Unit</u>	<u>Rated Heat Input</u>
1. Foster Wheeler Boiler-Unit No. 1	495 MMBtu/hour
2. Babcock and Wilcox Boiler-Unit No.2	640 MMBtu/hour

5. RACT for the Boiler Nos. 3, 4 and 5 shall be the installation and operation of low NOx burners with separated overfire air in compliance with 25 Pa Code 129.93(b)(1).
6. The nitrogen oxides emissions for each boiler (Unit Nos. 3, 4 and 5) shall not exceed 0.50 lb/MMBtu based on a 30 day rolling average.
7. The installation of Low NOx burners and Separated Overfire air shall be completed by the following dates:

	<u>Unit 3</u>	<u>Unit 4</u>	<u>Unit 5</u>
Issue Purchase Order	June 1999	June 2000	October 1999
Start Construction	October 1999	October 2000	January 2000
Complete Construction	November 1999	November 2000	March 2000
Start-up Completed	March 2000	March 2001	July 2000

LNB in Unit No. 5 is already installed.

8. NOx PACT for the two Electromotive Diesel Unit, "A" and "B" shall be maintenance and operation, in accordance with 25 Pa Code Section 129.93(c)(5), and good air pollution control practices. The annual capacity factor of each diesel unit shall be less than 5%.
9. NOx RACT for Units No. 1 and No. 2 shall be installation, maintenance, and operation in accordance with the manufacturer's specifications, and good air pollution control practices. NOx emissions from Unit Nos. 1, and 2 shall not exceed 0.50 lbs/MMBtu on an annual basis.

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Permit# : OP-37-023

Special Conditions

10. VOC RACT for all sources listed in Conditions 3, and 4 will be installation, maintenance, and operation in accordance with the manufacturer's specifications, and good air pollution control practices.
11. Continuous emission monitors for nitrogen oxides on Unit Nos, 3; 4, and 5, shall be operated and maintained in accordance with 25 Pa Code Chapter 139 and the Department's "Continuous Source Monitoring Manual" (Revision No.6 - January 1996), and be approved by the Department
15. Company shall maintain records in accordance with the minimum recordkeeping requirements of 25 PA Code 129.95. At a minimum, this shall include:
 - a. Records shall provide sufficient data and calculations to clearly demonstrate that the requirements of Conditions 5, 6, and 8 are met.
 - b. Data or information required to determine compliance with Conditions 5, and 6 shall be recorded and maintained in a time frame consistent with the averaging period of the requirements.
 - c. Records shall be retained for at least two years and be made available to the Department upon request
 - d. 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 Departments latest Continuous Source Monitoring Manual.

