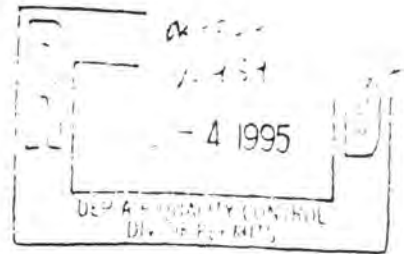


COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES
FIELD OPERATIONS - AIR QUALITY CONTROL



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>OP-46-0038</u>	Source(s) <u>Facility NOx and VOC Sources</u>
Owner <u>PECO Energy Company</u>	Air <u>None</u>
Address <u>2301 Market Street</u>	Cleaning <u> </u>
<u>Philadelphia, PA 19101</u>	Device <u> </u>
Attention <u>Mr. William F. McElroy</u>	Location <u>Evergreen & Sanatoga Roads</u>
<u>Director Environmental Affairs</u>	<u>Lower Pottstown Township</u>
	<u>Montgomery County</u>

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. 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 THE ATTACHED ADDITIONAL CONDITIONS)

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 07/25/95
Expires 12/15/2000

Richard L. Ruhl
RICHARD L. RUHL
Acting Air Pollution Control Manager

cc: Central Office
Southeast Regional Office

EPA REGION III

Operating Permit Condition:
Permit No. OP-46-0038
PECO Energy Company

Conditions (continued):

3. This operating permit is issued to PECO Energy Company for the operation of the following sources at their Limerick Generating Station:
 - A. Three (3) No. 2 oil-fired auxiliary boilers Nos. OAS502, OBS502 and OCS502 manufactured by Erie City Iron Works Model Keystone 11M.
 - B. Eight (8) identical emergency diesel generator Nos. D11, D12, D13, D14, D21, D22, D23 and D24, manufactured by Fairbanks Morse, Model No. 38TD8-18.
4. The expiration date shown on the Operating Permit is for state purposes. For Federal enforcement purposes the Plan Approval shall remain in effect as part of the State Implementation Plan until repealed pursuant to 40 CFR 51.4 and approved by the U.S. Environmental Protection Agency. The Plan Approval and Operating Permit shall become enforceable by the Environmental Protection Agency upon its approval of the above as a revision to the PA State Implementation Plan.
5. This operating permit supersedes all previously issued operating permits and temporary operating permits bearing the number(s) 46-302-052.
6. Capacity Factor Limitations for the Generators

The capacity factor as defined for PECO Limerick Generation Station is the ratio of net electrical power generated from the source for the last twelve (12) months to the maximum electric power generation capability for the same twelve (12) months period.

A rolling 12 month capacity factor is expressed as:

$$\frac{\text{Last 12 months net power generation (MWH)}}{2.85 \text{ (MW)} \times 24 \frac{\text{hours}}{\text{day}} \times \text{No. of days in last 12 months}}$$

The twelve (12) month rolling capacity factor of each of the emergency generators shall not exceed 5%.

7. Operating Requirements for the Generators

PECO Energy Company shall maintain and operate the sources in accordance with manufacturers specifications and good air pollution control engineering practices.

8. Operating Requirements for the Auxiliary Boilers

- A. The Company shall properly maintain the boiler by following the steps listed below:
 - (1) The Company shall conduct an annual adjustment or tune-up on the combustion unit. This adjustment shall include, but not limited to the following:

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PECO Energy Company

Conditions (continued):

- a. Inspection, adjustment, cleaning or replacement of fuel-burning equipment, including the burners and moving parts necessary for proper operation as specified by the manufacturer.
 - b. Inspection of the flame pattern or characteristics and adjustments necessary to minimize total emissions of NO_x and to the extent practicable minimize emissions of CO.
 - c. Inspection of the air-to-fuel ratio control system and adjustments necessary to ensure proper calibration and operation as specified by the manufacturer.
- (2) The company shall record each adjustment conducted under the procedures in paragraph (A) in a permanently bound log book or other method approved by the Department. This log shall contain, at a minimum, the following information:
- a. The date of the tuning procedure.
 - b. The name of the service company and technicians.
 - c. The final operating rate or load.
 - d. The final CO and NO_x emission rates.
 - e. The final excess oxygen rate.
- B. The sulfur content of the No. 2 oil fired in this boiler shall not, at any time, exceed 0.3% (by weight).

9. Emission Limitations

- A. The NO_x emissions from each of the boilers shall not exceed 0.15 pounds per million Btu of heat input.
- B. The NO_x emissions from each boiler shall not exceed 37 tons in a consecutive 12 month period.

10. Recording and Recordkeeping Requirements

- A. The company shall record the following information for each emergency generator:
 - (1) monthly and annual units (MWH) generated from each of the generators;
 - (2) any additional data or records the Department may require to conform with 25 PA Code §129.95;

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Conditions (continued):

- (3) the fuel usage on a monthly basis and in a consecutive 12 month period.
- B. Data or information required to determine compliance shall be recorded and maintained in a time frame consistent with the period of the requirement [§129.95(c)].
- C. The company shall maintain records including:
 - (1) A certification from the fuel supplier of the type of fuel and for each shipment of No. 2 fuel oil - 25 PA Code §129.93(b)(4);
 - (2) A certification that the fuel complies with ASTM D396-78 "Standard Specifications for Fuel Oil - 25 PA Code §129.939(b)(4).
- D. The records shall be retained for at least two years and shall be made available to the Department upon request [§129.95(d)].

11. General Conditions

- A. If at any time the Department has cause to believe that air contaminant emissions from the aforementioned source(s) may be in excess of the limitations specified in, or established pursuant to, any applicable rule or regulation contained in Article III of the Rules and Regulations of the Department of Environmental Resources, the company shall be required to conduct whatever tests are deemed necessary by the Department to determine the actual emission rate(s). Such testing shall be conducted in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Resources, where applicable, and in accordance with any restrictions or limitations established by the Department at such time as it notifies the company that testing is required.
- B. The company shall notify the Department, at (610) 832-6242, of any malfunction of the source(s) or associated air cleaning device(s) which results in, or may possibly be resulting in, the emission of air contaminants in excess of the limitations specified in, or established pursuant to, any applicable rule or regulation contained in Article III of the Rules and Regulations of the Department of Environmental Resources. A written report shall be submitted to the Department following the incident describing the malfunctions and corrective actions taken.

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Conditions (continued):

- C. If at any time the permittee causes, permits or allows any modification (as that term is defined in Chapter 121 of Title 25, the Rules and Regulations of the Department of Environmental Resources) of the aforementioned air contamination source(s), the operation and use of which is authorized by this permit, or causes, permits or allows any modifications, malfunction or removal of any air pollution control device required as a condition of this permit, then and in that event, this permit shall be suspended, and the permittee shall not thereafter continue to operate or use said air contamination source(s).

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