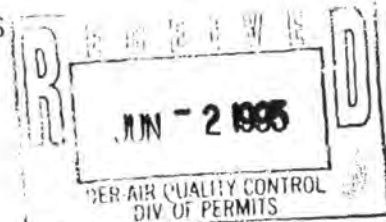


COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES
AIR QUALITY PROGRAM

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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 described below.

Permit No.	<u>54-0008</u>	Source &	<u>Electric Generation Plant</u>
Owner	<u>Northeastern Power Company</u>	Air	<u>Fluidized Bed Boiler,</u>
Address	<u>P.O. Box 7</u>	Cleaning	<u>Fuel Preparation System</u>
	<u>McAdoo, PA 18237</u>	Device	<u>Ash Handling</u>
Attention:	<u>Gerald M. Gatti</u>		<u>Water Spray System</u>
	<u>Vice President,</u>	Location	<u>11 Baghouses</u>
	<u>General Manager</u>		<u>U. S. Route 209</u>
			<u>Kline Township</u>
			<u>Schuylkill County</u>

This permit is subject to the following conditions:

- (1) That the source and any associated air cleaning devices are to be:
 - (a) the source shall operate in such a manner as not to cause air pollution, and maintained in accordance with good air pollution control practices;
 - (b) in compliance with the specifications and conditions of the plan approvals previously issued for this facility;
 - (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 Resources will result in suspension or revocation of this permit and/or prosecution under Section 9 of the Air Pollution Control Act.

Issued

MAY 26 1995

Thomas A. DiLazaro
Program Manager
Air Quality Program

- (3) The following Operating Permit is issued for this facility. Any NO_x and/or VOC conditions associated with this permit will be incorporated into this Operating Permit upon revision of the SIP.

SOURCE

Fluidized Bed Boiler,
Fuel Preparation System
Ash Handling System

Auxiliary Boiler

- (4) This Operating Permit includes Reasonable Available Control Technology (RACT) determinations for the following sources as required by Title I of the CAAA:
- (a) Fluidized Bed Boiler with a maximum heat input of 600 MMBtu/hr.
 - (b) Auxiliary Boiler No. 2 oil fired with a maximum heat input of 50 MMBtu/hr.
 - (c) Diesel Fire Pump No. 2 oil fired with an estimated operation of 30 hours per year.
 - (d) Diesel Boiler Water Feed Pump No. 2 oil fired with an estimated operation of 10 hours per year.
 - (e) Power Plant Emergency Generator No. 2 oil fired with an estimated operation of 30 hours per year.
 - (f) Greenhouse Emergency Generator No. 2 oil fired with an estimated operation of 30 hours per year.
- (5) Pursuant to the Best Available Control Technology provisions of 25 Pa. Code 127.83 (40 CFR 52.1(j)(2)), the following emission limits are hereby established for the facility's combustion units:

- (b) NO_x RACT for the fluidized bed boiler shall be the following:

POLLUTANT

NEVER TO EXCEED POUNDS
PER 10⁶ BTU HEAT INPUT

NO_x (30 day rolling average)

0.30

- (c) nitrous oxide emissions shall be recorded continuously. The recording chart shall be submitted quarterly and also be made available to Department personnel upon request at any time. These records shall be maintained for a period of time not less than two years.
- (6) NO_x for the auxiliary boiler will be regulated under presumptive RACT emission limitations. The source shall be limited to a rated heat input equal to or greater than 20 million Btu/hour and less than 50 million Btu/hour presumptive RACT shall be the performance of an annual adjustment or tune-up on the combustion process. The auxiliary boiler shall be maintained in accordance with good air pollution control practices.
- (7) For oil, gas and combination oil/gas units subject to condition (6), the owner and operator shall maintain records including a certification from the fuel supplier of the type of fuel and for each shipment of distillate oils number 1 or 2, a certification that the fuel complies with ASTM D396-78 "Standard Specifications for Fuel Oils." For residual oils, minimum recordkeeping includes a certification from the fuel supplier of the nitrogen content of the fuel, and identification of the sampling method and sampling protocol.
- (8) For oil and gas and combination oil/gas fired units subject condition (6), the owner and operator shall make the annual adjustment in accordance with the EPA document "Combustion Efficiency Optimization Manual for Operators of Oil and Gas-fired Boilers," September 1983 (EPA-340/1-83-023) or equivalent procedures approved in writing by the Department.
- (9) The company shall demonstrate to the Department through daily fuel consumption records and actual time of operation that the maximum heat input of the auxiliary boiler does not exceed 50 MMBtu/hr. This information shall be reported to the Department on a quarterly basis. The report will include but not limited to the monthly average fuel consumption, monthly average hours of operation, and quarterly average heat input in MMBtu/hr. All information shall be made available upon the request of the Department.
- (10) The NO_x for the diesel fire pump, diesel boiler feed pump, power plant emergency generator, and the greenhouse emergency generator will be regulated under presumptive RACT emission limitations. The oil fired engines must operate less than 500 hours in a consecutive 12-month period. Presumptive RACT shall be the maintenance, and operation of the source in accordance with the manufacturer's specifications, and maintained in accordance with good air pollution control practices.

- (11) Record keeping 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 25 Pa. Code Sections 129.91-94 are met. The file shall include, but not be limited to: air pollution control system 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.
 - (b) 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 Monitoring Manual. The Department reserves the right to require the report submission in floppy disks with a format acceptable to the Department.
- (12) If requested by the Department, the company shall perform a stack test in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Resources within the time specified by the Department.