

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES
SOUTHCENTRAL REGION - FIELD OPERATIONS
AIR POLLUTION CONTROL PROGRAM

87-2005-1179

PLAN APPROVAL

AIR POLLUTION CONTROL
DIVISION OF PERMITS

Application No: 87-2005 Source & Use: Planning & Use: Drubner Island Steam Electric

Address: Route 104 & Power & Light Company Station: (See Attached)

City: East Manchester Township

County: Rock

Post Office: 17101-1179

Inspector: Mr. Lynn Ratzell Location: East Manchester Township

Agency: Environmental Management County: Rock 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 Resources, the Department on DEC 22 1994 approved the NO_x and VOC Reasonably Available Control Technology (RACT) plan for the above source.

~~This RACT plan expires May 31, 1995.~~

The plan approved is subject to the following conditions:

1. The Drubner Island SRE's NO_x and VOC RACT plan is to be implemented in accordance with the plans submitted with the application (as herein approved).
2. See attached.

Notify the person listed below when the installation is completed so that the source can be inspected for issuance of an OPERATING PERMIT.

NOTE: Mr. Richard D. Roller
Air Pollution Control Engineer
One Grant Boulevard
Harrisburg, PA 17110
(717) 667-4587

[Signature]
Program Manager

Southcentral Region 67-2005
Rock District
Permits
RPA, Region III

APPROVAL NO. 675005

PENNSYLVANIA POWER & LIGHT COMPANY

ESUMING AND SES

Equipment

1. The following ESU and SES consists of the following sources:

<u>Source</u>	<u>Manufacturer</u>	<u>Control Devices</u>
ESU #1	Combustion Engineering	Low NO _x Concentric Firing System Level III Burners (ABB/Combustion Engineering)
ESU #2	Combustion Engineering	Low NO _x Concentric Firing System Level III Burners (ABB/Combustion Engineering)
ESU #3	Combustion Engineering	Low NO _x Concentric Firing System Level III Burners (ABB/Combustion Engineering)
Diesel Generator 1	General Motors	None
Diesel Generator 2	General Motors	None
Diesel Generator 3	General Motors	None

Conditions, Cont'd

1. This Plan Approval authorizes temporary operation of the source(s) covered by this Plan Approval provided the following conditions are met:
 - a. The Department must receive written notice from Pennsylvania Power & Light Company of the completion of construction and Pennsylvania Power & Light Company's intent to commence operation at least five (5) working days prior to the completion of construction. The notice must state when construction will be completed and when Pennsylvania Power & Light Company expects to commence operation.
 - b. Operation is authorized only to facilitate the start-up and shake-down of sources and air cleaning devices, to permit operations pending the issuance of an Operating Permit or to permit the evaluation of the source(s) for compliance with all applicable regulations and requirements.
 - c. This condition authorizes temporary operation of the source(s) for a period of 180 days from the date of commencement of operation, provided the Department receives notice from Pennsylvania Power & Light Company pursuant to subpart (a), above.

APPROVAL NO. 67-2075

PENNSYLVANIA POWER & LIGHT COMPANY

BRUNNER ISLAND STEAM

- ~~4. Pennsylvania Power & Light Company may request an extension of compliance with any applicable regulations and Plan Approval requirements has not been established. The extension request shall be submitted in writing at least 30 days prior to the end of this period of temporary operation and shall provide a description of the compliance status of the source, a detailed schedule for establishing compliance, and the reasons compliance has not been established.~~
- ~~5. The notice submitted by Pennsylvania Power & Light Company pursuant to subpart 47.10.1, prior to the expiration of this Plan Approval, shall modify the plan approval expiration date. The new plan approval expiration date shall be 30 days from the date of the written notice.~~
6. This Plan Approval is for the incorporation of the Department's NO_x and VOC Reasonably Available Control Technology (RACT) requirements for the Brunner Island SEC. This Plan Approval includes those sources and air pollution control devices previously covered by Plan Approval Nos. 67-376-001B, 67-305-003A, and 67-305-005A.
7. The implementation of the NO_x and VOC RACT strategy shall be as expeditious as possible, but no later than May 31, 1995.
8. Boiler units 1, 2, and 3 are subject to an interim NO_x emission limit of 0.45 lb/MBtu. This standard shall be based on hourly continuous emission monitoring data averaged on a 20-day rolling basis. A final NO_x emission limit will be determined upon a review of one year's worth of emissions monitoring data after the installation of the low NO_x burner technology. The final NO_x emission limit will be incorporated into the Operating Permit upon its issuance [25 Pa. Code, §129.91(j)].
9. Diesel fuel usage in each of the three emergency generators (Diesel Generators 1, 2, and 3) shall be limited to 85,400 gallons during any consecutive 12-month period [25 Pa. Code, §129.93(c)(5)].
10. The Company shall maintain records in accordance with 25 Pa. Code, §129.95 requirements.
11. The NO_x continuous emission monitoring systems shall be operated and maintained in accordance with 25 Pa. Code, Chapters 123 and 129 and the Department's "Continuous Emissions Monitoring Manual" (Revision No. 5 - March 1993), as well as in accordance with any other applicable requirements.

PROVAL NO. 67-2005

PENNSYLVANIA GAS & LIGHT COMPANY

EDWARDS ISLAND SES

COMPLIANCE PLAN

1. Within 180 days after the installation of the low NO_x burners, source tests shall be performed on Boiler Units 1, 2, and 3 as outlined below. The tests shall be performed while the aforementioned sources are operating at their maximum rated capacity.
2. Unit 1 and 2 - VOC testing only
3. Unit 3 - VOC, CO, and NO_x testing
10. At least 45 days prior to the actual testing, two copies of a test procedure and a sketch with dimensions including the location of the sampling ports and other data to insure the collection of representative samples shall be submitted to the Program Manager.
11. At least 120 weeks prior to the test programs, the Program Manager shall be informed of the date and time of the tests.
12. Within 30 days after completion of the test programs, two copies of the test reports, including all operating conditions, shall be submitted to the Program Manager.