

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES
SOUTHWEST REGION - FIELD OPERATIONS
AIR QUALITY CONTROL
400 WATERFRONT DRIVE
PITTSBURGH, PENNSYLVANIA 15222-4745

RACT PLAN APPROVAL

Permit No.:	04-000-235	Source :	N0x & VOC Emitting Sources
Owner	: Pennsylvania Power Company	Air	: Low N0x Burners
Address	: P.O.Box 128 Shippingport, PA 15077	Cleaning:	
Attention	: Joseph R. Dulovich General Plant Superintendent	Devices :	
		Plant	: Bruce Mansfield
		Location:	Shippingport Borough
		County	: Beaver

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 December 29, 1994 approved plans for the the above indicated air contamination source(s).


This PLAN APPROVAL expires ~~05/31/95~~

The plan approval is subject to the following conditions:

1. The air cleaning device is to be installed in accordance with the plans submitted with the application (as approved herein).
2. Upon completion of the installation of the above indicated air cleaning device a operating permit must be obtained from the person noted below.
3. See attached.

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

NOTE: Tom Joseph
Engineering Services
(412) 442-4336


Joseph P. Pezze
Regional Air Quality Manager
Southwest Region

Conditions for Plan Approval No. 04-000-235

3. This RACT Plan Approval is for the installation of low NOx burners with separated overfire air on Units No. 1, 2, and 3, and to limit the annual capacity factors on auxiliary boilers No. 1, 2, and 3 at the Bruce Mansfield Plant located in Shippingport Borough, Beaver County. This Plan Approval incorporates by reference the requirements of Plan Approval 04-306-003A for Units No. 1 and 2, Operating Permit 04-306-005 for Unit No. 3, and Operating Permit 04-302-028 for auxiliary boilers No. 1, 2, and 3.

4. The following NOx emission limits shall apply:

	<u>1b/MMBtu</u> <u>30 day rolling average</u>	<u>TPY</u>
Unit 1:	0.50	16,466
Unit 2:	0.50	16,466
Unit 3:	0.50	16,466

The tons per year limit is based upon a 95 percent annual capacity factor limitation.

5. NOx (as NO₂) emission limits may be revised based on a minimum of six (6) months of CEM data. These limits will be incorporated in the Operating Permit. Penn Power will submit a plan to characterize CO emissions on all units within sixty (60) days.
6. Reductions in the allowable emission rates below the levels established herein shall not be available as ERCs (Emission Reduction Credits) pursuant to 25 Pa. Code §127.206 unless the reductions are achieved through real reductions of actual or allowable emissions, whichever is lower, through the installation of controls beyond those required by RACT or any other subsequent regulatory requirement.
7. VOC RACT for Units No. 1, 2, and 3 is operation in accordance with manufacturer's recommendations.
8. Penn Power shall operate auxiliary boilers No. 1, 2, and 3 in accordance with the presumptive RACT limitations identified in 25 Pa. Code §129.93(c)(5), which identifies RACT as installation, maintenance and operation of the source in accordance with the manufacturer's specifications. Penn Power shall keep data which clearly demonstrates that the auxiliary boiler annual capacity factors are less than 5 percent.
9. The applicant shall perform stack testing to determine total particulate emissions, carbon monoxide (CO), and volatile organic compound (VOC) emission rates from Units No. 1, 2, and 3. The test shall be conducted while the source is operating at the maximum rated capacity as stated in the application.

10. Stack testing shall be performed in accordance with 25 Pa. Code, Chapter 139 and the Department's Source Testing Manual.
11. Penn Power shall submit a pretest protocol to the Department for approval at least thirty (30) days prior to the stack testing.
12. The Department shall be notified at least two weeks in advance of the date of the stack test so that an observer may be present.
13. Two copies of the stack test results shall be supplied to the Department for review within sixty (60) days of completion of testing.
14. Penn Power shall implement the RACT plan in accordance with the schedule contained in the RACT proposal.

Unit 1: Completed 6/94

Unit 2: Scheduled completion 4/95

Unit 3: Scheduled completion 5/95

The installation of RACT controls shall be as expeditious as possible, but no later than May 31, 1995.

15. Penn Power shall operate and maintain a continuous nitrogen oxides emission monitoring system on these units in accordance with all applicable requirements specified in, or established pursuant to, the Rules and Regulations of the Department of Environmental Resources, as well as continue to monitor sulfur oxides in accordance with all applicable requirements specified in, or established pursuant to, Rules and Regulations of the Department of Environmental Resources and the Department's "Continuous Source Monitoring Manual".
16. Penn Power shall maintain records in accordance with the recordkeeping requirements of 25 Pa. Code §129.95.
17. This Plan Approval authorizes temporary operation of the source covered by this Plan Approval provided the following conditions are met.
 - A. The Department must receive written notice from the Owner/Operator of when the Operator expects to commence operation.
 - B. Operation is authorized only to facilitate the startup and shakedown of sources and air cleaning devices, to permit operations pending the issuance of an Operating Permit or to permit the evaluation of the source for compliance with all applicable regulations and requirements.
 - C. This condition authorizes temporary operation of the source for a period of 180 days from the date of commencement of operation, provided the Department receives notice from the Owner/Operator pursuant to Subpart (A), above.

- D. The Owner/Operator may request an extension if compliance with all applicable regulations and Plan Approval requirements has not been established. The extension request shall be submitted in writing at least 15 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.
- E. The notice submitted by the Owner/Operator pursuant to Subpart (A), above, prior to the expiration of this Plan Approval, shall modify the Plan Approval expiration date. The new Plan Approval expiration date shall be 180 days from the date of the written notice.