

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
FIELD OPERATIONS - BUREAU OF AIR QUALITY

PLAN APPROVAL

Application No.	<u>PA-23-0084</u>	Source(s)	<u>Brown Boveri 51.77 MW Combustion Turbine</u>
Owner	<u>FPL Energy MH 50, L.P.</u>	Air	<u>Steam Injection</u>
Address	<u>700 Universe Boulevard</u>	Cleaning	<u></u>
	<u>Juno Beach, FL 33408</u>	Device	<u></u>
Attention	<u>Mr. Timothy Curley</u>	Location	<u>Delaware and Green Streets</u>
	<u>Business Manager</u>		<u>Marcus Hook Borough</u>
			<u>Delaware County</u>

In accordance with provisions of the Air Pollution Control Act, the act of January 8, 1960, P.L. 2119, as amended, and Section 127.13 of Chapter 127 of the Rules and Regulations of the Department of Environmental Protection, the Department on July 26, 1999 approved plans for the modification of the above indicated air contamination source(s).

This PLAN APPROVAL expires ~~January 26, 2001~~

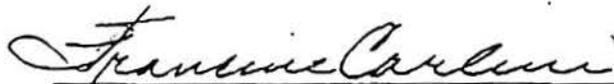
The plan approved is subject to the following conditions:

1. The combustion turbine is to be modified in accordance with the plans submitted with the application (as approved herein).

(SEE ADDITIONAL CONDITIONS ATTACHED)

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

NOTE: Field Operations - Bureau of Air Quality
Lee Park, Suite 6010
555 North Lane
Conshohocken, PA 19428
610-832-6242



Francine Carlini
Regional Manager
Air Quality

cc: Division of Permits, RCSOB
Assistant Director
SEFO
Re (SMC99)112-3A

PLAN APPROVAL CONDITIONS
APPLICATION NO. PA-23-0084
SUNOCO, INC. (R&M)

CONDITIONS (continued):

2. The Brown Boveri combustion turbine, Model No. GT8, rated at 51.77 MW, is to be modified and operated in accordance with the plans submitted with the application (as approved herein).
3. NO_x emissions from the turbine shall not exceed 67 ppm, on an hourly basis, corrected to 15% oxygen on a dry basis while fueled by reformer gas.
4. NO_x emissions from the turbine shall not exceed 45 ppm, on an hourly basis, corrected to 15% oxygen on a dry basis, while fueled by natural gas.
5. The NO_x emissions limits specified in Conditions 3 and 4 apply at all times except during the period of start-up and shutdown. The duration of start-up or shutdown shall not exceed one hour in duration.
6. NO_x emissions from the turbine shall not exceed 463 tons per year calculated as a 12-month rolling total. This includes emissions during start-up and shutdown periods. The company shall keep a monthly record to demonstrate compliance with this condition.
7. The company shall install and operate a continuous emission monitoring system (CEMS) at the combustion turbine exhaust stack and record the nitrogen oxides (NO_x) emissions and oxygen (O₂) content. This CEM shall be capable of monitoring emissions during both normal and startup/shut down periods. As an alternative, startup/shut down emissions may be monitored using portable monitoring instruments approved by the Department.
8. The continuous emission monitors for NO_x and O₂ shall be approved by the Department and installed, operated, and maintained in accordance with the requirements of Chapter 123 or Chapter 139 of the Rules and Regulations of the Pennsylvania Department of Environmental Protection.
9. All other terms and conditions of the existing operating permit with respect to this turbine will continue in full force and effect.
10. Issuance of an Operating Permit for the aforementioned source is contingent upon the source being maintained and operated, as described in the application and supplemental materials submitted for Plan Approval and upon satisfactory demonstration that any air contaminants emitted from the source(s) are in compliance with the requirements specified in, or established pursuant to, any other applicable rule or regulations contained in Article III of the Rules and Regulations of the Department of Environmental Protection.

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CONDITIONS (continued):

11. The company, within eight hours of detection, shall notify the Department, at 610-832-6241, of any malfunction of the source or associated cleaning device 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 Protection. A written report shall be submitted to the Department within ten working days after the detection of the incident describing the malfunctions and corrective actions taken.
12. 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 Protection, 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 Protection, 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.
13. If modification has not commenced before the expiration of this Plan Approval, then a new Plan Approval application must be submitted and approval obtained before modification may commence.

If modification has commenced but cannot be completed before the expiration of this Plan Approval, an extension of the expiration date must be obtained to continue construction. To assure acceptance, a request for an extension must be postmarked at least (30) days prior to the expiration date. The request shall include: (1) a justification for the extension; and (2) a schedule for completion of construction.

14. This Plan Approval authorizes temporary operation of the source(s) covered by this Plan Approval, provided the following conditions are met:
 - (a) Operation is authorized only to facilitate the 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.
 - (b) This condition authorizes temporary operation of source(s) for a period of 120 days until the expiration date of this Plan Approval Extension.

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CONDITIONS (continued):

- (c) 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.

15. Any notification required as a result of any condition herein should be directed to:

Regional Air Program Manager
Lee Park - Suite 6010
555 North Lane
Conshohocken, PA 19428
Telephone: 610-832-6242

Re 30 (SMC99)112-3C