

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
SOUTHCENTRAL REGION - FIELD OPERATIONS
AIR QUALITY PROGRAM

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 Protection, the Department hereby issues this permit for the operation of the air contamination source described below.

Permit No: <u>22-02015</u>	Source & Air Cleaning Device: <u>Two Dual Fuel Internal Combustion</u>
Owner: <u>Statoil Energy Power Paxton, LP</u>	<u>Engines 6300 kW/8692 hp Natural Gas</u>
<u>100 North Tenth Street</u>	
Address: <u>PO Box 2151</u>	<u>#2 Oil Fired (Cooper) Model LSVB-20</u>
<u>Harrisburg, PA 17105</u>	
Attention: <u>Mr. Jan P. Sockel</u>	Location: <u>9th and Walnut Street</u>
<u>Director</u>	<u>Harrisburg City, Dauphin County</u>

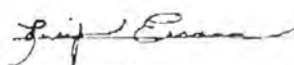
This permit is subject to the following conditions:

1. That the source and any associated air cleaning devices are to be:
 - a. operated in such a manner as not to cause air pollution;
 - b. in compliance with the specifications and conditions of the applicable plan approval issued;
 - 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
3. This operating permit is valid for a limited time only and may be renewed before its expiration. Requests for an operating permit renewal must be in writing and must be accompanied by a fee in the amount of \$600 payable to the "Commonwealth of Pennsylvania - Clean Air Fund." The request should be made on the attached Interim Application for Renewal of a Permit to Operate form and must be received by the Department along with a completed Compliance History form (attached) no later than _____
4. See attached.

Failure to comply with the conditions placed on this permit is a 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 Protection will result in suspension or revocation of this permit and/or prosecution under Section 9 of the Air Pollution Control Act.

Issued: JUN 30 1999

~~Expiry Date: December 31, 2000~~


Program Manager

Southcentral Region 22-02015
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STATOIL ENERGY POWER PAXTON, LP

Conditions, Continued

Emissions

4. NO_x emissions from the engines listed above shall not exceed:
 - a. Engine 1 - 4.5 g/hp-hr on dual fuel (natural gas with #2 fuel oil as a pilot fuel) and 11 g/hp-hr on #2 Oil
 - b. Engine 2 - 3.5 g/hp-hr on dual fuel and 11 g/hp-hr on #2 Oil
5. The emission factor listed in Condition 4 shall not be applied during the engine start and stop subject to maximum of one hour for each start and one hour for each stop.
6. ~~The volatile organic compound (VOC) emissions from the facility shall be kept at less than 50 tpy based on a 12-month running total.~~

Stack Testing

7. a. Verification of the NO_x emission standard listed in Condition 4 shall be conducted utilizing methodology outlined in 25 Pa. Code Section 139 and the Department's Source Testing Manual or by other means approved by the Department.
- b. The stack testing shall be performed at 30,000 megawatt hours of operation on each engine-generator, or after two years, whichever occurs first.
- c. The first stack test performed after issuance of this operating permit shall be in accordance with 25 Pa. Code Section 139 and the Department's Source Testing Manual.
- d. Subsequent verification of NO_x emission may be performed using a portable analyzer.
8. Stack test protocol shall be submitted to the Department Air Quality Program Manager 60 days prior to stack test.
9. The company shall notify the Department, of the date and time of stack testing, 15 days prior to the stack test.
10. Two copies of the emission test results shall be submitted to the Department Air Quality Program Manager for review within 60 days of stack test. The emissions shall be reported in the following units:

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Conditions, Continued

- a. Concentrations as Measured - parts per million (ppm)
- b. Specific Output - g/hp-hr
- c. Total Output, Mass Rate - lb/hr
- d. Total Output, Heat Rate - lb/mmbtu

Record Keeping and Reporting

- 11. The facility shall comply with the record keeping provisions of 25 Pa. Code Section 129.95(a) through (d).
- 12. Facility shall keep the following records for the source, retain these for two years, and make them available to the Department when requested:
 - a. Monthly records of running hours, and kilowatt hours fed to the grid.
 - b. Monthly records of natural gas and #2 Oil usages, separately.
 - c. Fuel Supplier's Certificate with percent sulphur content of #2 Oil.
- 13. The following information and document for each calendar year shall be submitted to the Department's Harrisburg District Supervisor by March 1 of the following year, as per 25 Pa. Code Section 135.3(a):
 - a. Sources and Facility Annual NO_x and VOC Emissions.
 - b. Sources Operating Hours, Natural Gas Usage, and #2 Oil Usage Computed Monthly and Annually.
- 14. Facility shall report to the Department Air Quality Program Manager any modification to the sources, which is expected to increase NO_x and VOC emissions from each source.

General Conditions

- 15. This Reasonably Available Control Technology (RACT) operating permit is for the operation of the Cooper Industries Clean Burn System on Engine 2 and Automated Marine Propulsion System (AMPS) Fluid Control Injection System (FCIS) on Engine 1. This operating permit incorporates the Department's NO_x and VOC RACT requirements (25 Pa. Code §§ 129.91 through 129.95).

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- ~~16. The expiration date shown on this RACT permit is for State purposes. For Federal purposes this permit shall remain in effect as part of the State Implementation Plan (SIP) until replaced and approved by the U.S. Environmental Protection Agency (EPA).~~
17. All adjustments and operation of the engines must minimize pollution and be in accordance with good air pollution control practices.
18. The engines shall be operated and maintained as per manufacturer's specifications.
- ~~19. The annual operating hours on each engine shall be limited to 5,000 hours on #2 Oil, based on a 12-month rolling total.~~

Incorporation and Supersession

- ~~20. This operating permit incorporates the conditions and operating requirements of Operating Permit No. 22-302-098.~~
21. This operating permit supersedes Operating Permit No. 22-302-098.