

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



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(s) described below:

Permit No.	<u>OP-46-0072</u>	Source(s)	<u>Facility VOC and NOx RACT</u>
Owner	<u>Department of the Air Force</u>	Air	<u></u>
Address	<u>Air Reserve Station</u>	Cleaning	<u></u>
	<u>2164 McGuire Street</u>	Device	<u></u>
	<u>Willow Grove, PA 19090-5232</u>	Location	<u>Horsham Township</u>
Attention	<u>Mr. Hal Dusen</u>		<u>Montgomery County</u>
	<u>Environmental Engineer</u>		<u></u>

This permit is subject to the following conditions:

1. That the source(s) 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 any 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.

(SEE ADDITIONAL CONDITIONS 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 05/01/1998

~~Expires~~ 05/01/2003

Francine Carlini
Regional Manager
Air Quality

cc: Division of Permits, RCSOB
Administration
SEFO
Re (KAL)6.13

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CONDITIONS (continued):

3. This Operating Permit incorporates Reasonably Available Control Technology (RACT) determinations as required by Title I provisions of the Clean Air Act Amendments and 25 Pa. Code Sections 129.91 through 129.95 for:
 - Two Volcano boilers rated at 23.46 MMBtu/hr heat input.
 - Eight boilers rated at less than 20 MMBtu/hr heat input.
 - Fifteen heaters rated at less than 20 MMBtu/hr heat input.
 - Two paint spray booths located in Building 348 and 370.
 - Fourteen emergency generators and Aerospace ground equipment with a rated capacity of less than 500 brake horsepower.
 - Storage tanks, Cutback asphalt paving operation, Fuel cell repair, Roadway stripe painting, Aircraft engine testing, and Fuel handling activities.

4. The expiration date shown on this RACT Operating Permit is for State purposes. For Federal Enforcement purposes the RACT portion of this RACT Operating Permit shall remain in effect as part of the State Implementation Plan (SIP) until replaced pursuant to 40 CFR 51.4 and approved by the US Environmental Protection Agency (EPA).

5. Pursuant to the RACT provisions of Chapter 129.93 (b) of Article III of the Rules and Regulations of the Department of Environmental Protection, the company shall perform an annual tune-up to the combustion process of each Volcano boiler (23.46 MMBtu/hr) identified in Condition 3. The annual tune-up of the combustion process shall consist of but not limited to the following:
 - a. Inspection, adjustment, cleaning or replacement of fuel burning equipment, including the burners and moving parts necessary for proper operation as specified by the manufacturer.
 - b. Inspection of the flame pattern or characteristics and adjustments necessary to minimize total emissions of NO_x, and to extent practicable minimize emissions of CO.
 - c. Inspection of the air-to-fuel ratio control system and adjustments necessary to ensure proper calibration and operation as specified by the manufacturer.
 - d. The adjustments which are performed in a, b, and c will be recorded in a permanently bound log book. The log will provide the following information: date of the tuning; name of service company and technicians; final operating rate or load; final CO and NO_x emissions rates; and final excess oxygen rate.
 - e. The following records will be maintained: certification from the fuel supplier of the type of fuel; and a certification for each shipment that the fuel oil complies with ASTM D396-78 "Standard Specifications for Fuel Oils."

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CONDITIONS (continued):

- f. The annual tune-up shall be made 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.
6. Pursuant to 25 Pa. Code Section 129.93 (c)(1) and (3), the RACT requirements for eight boilers and fifteen heaters with rated heat input less than 20 MMBtu/hr, fourteen emergency generators, and aerospace ground equipment rated at less than 500 brake horsepower shall be maintained and operated in accordance with manufacturers' specifications as well as in accordance with good air pollution control practices.
7. The potential to emit volatile organic compounds (VOC) from each of the following sources or source categories shall never exceed 3 pounds per hour, 15 pounds per day, or 2.7 tons per year. Should any of these limitations ever be exceeded for any of the source categories listed below, a detailed RACT analysis which meets the criteria specified in Section 129.92 of Chapter 129 of Article III of the Rules and Regulations of the Department of Environmental Protection must be submitted to the Department for each source contained in the respective source category.
- Fuel cell repair,
 - Roadway stripe painting,
 - Aircraft engine testing,
 - Fuel handling activities.
8. All storage tanks are subject to and shall comply with the requirements established in 25 Pa. Code Sections 129.56 and 129.57.
9. The Cutback asphalt paving operation is subject to and shall comply with the requirements established in 25 Pa. Code Section 129.64.
10. Recordkeeping Requirements:
- a. The company shall maintain comprehensive and accurate records of the following:
1. Annual tune-ups for boilers covered by Condition 5.
 2. Maintenance and operation of the sources covered by Condition 6.
 3. Timing of internal combustion sources, rated less than 500 brake horsepower, covered by Condition 6.
 4. Solvent usage, paint usage, and VOC content of the compounds used by the sources listed in Condition 7.

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CONDITIONS (continued):

5. Maintenance and inspections of all storage tanks covered by Condition 8.
6. Cutback asphalt usage and solvent content of emulsion asphalt used by source covered by Condition 9.
7. Any additional data as required in accordance with 25 Pa. Code Section 129.95.
- ~~11. If any time the permittee causes, permits or allows any modification (as that term is defined in Chapter 121 of Title 25, the Rules and Regulations of the Department of Environmental Protection of the aforementioned air contamination source(s), the operation and use of which is authorized by this permit, the permit shall be suspended, and the permittee shall not thereafter continue to operate or use said air contamination source(s).~~
- ~~12. The company, within one hour of occurrence, shall notify the Department of Environmental Protection, at 610-832-6241, of any malfunction of the source(s) or associated air cleaning device(s) 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 two working days following the incident describing the malfunctions and corrective actions taken.~~
- ~~13. 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 any condition contained herein or 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.~~
- ~~14. This operating permit is valid for a limited period of time and may be renewed before its expiration. Requests for an operating permit renewal must be in writing and must be accompanied by the appropriate permit application processing and annual permit administration fees as specified in Section 127.703 of the Rules and Regulations of the Department of Environmental Protection. These fees shall be paid in the form of a check payable to the "Commonwealth of Pennsylvania-Clean Air Fund." The request should be made using the appropriate application form and must be received by the Department along with a completed Air Pollution Control Act Compliance Review form no later than 60 days prior to the expiration date of this permit.~~

All necessary forms can be obtained from the Department upon request.

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CONDITIONS (continued):

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

~~Regional Air Quality Manager
Lee Park Suite 6010
555 North Lane
Conshohocken, PA 19428~~

Re 30 (KAL)6.14

