

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES
BUREAU OF AIR QUALITY CONTROL



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 Resources, the Department hereby issues this permit for the operation of the air contamination source(s) described below.

Permit No.:	<u>OP-18-0006</u>	Source &	<u>one (1) #2 oil-fired Pratt &</u>
Owner:	<u>Pennsylvania Power & Light Company</u>	Air	<u>Whitney model FT4 combustion</u>
		Cleaning	<u>turbine</u>
Address:	<u>Two North Ninth Street</u>	Device:	<u></u>
	<u>Allentown, PA 18101-1179</u>		<u></u>
Attn:	<u>Reid T. Clemmer</u>	Location:	<u>Bald Eagle Township</u>
	<u>Senior Project Engineer</u>		<u>Clinton County</u>

This permit is subject to the following conditions:

1. That the source(s) and any associated air cleaning device(s) 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(s) 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 attached for additional conditions.

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 Resources will result in suspension or revocation of this permit and/or prosecution under Section 9 of the Air Pollution Control Act.

Issued: JUN 13 1995

Environmental Program Manager

cc: Harrisburg
Hawk Run
File

PERMIT CONDITIONS

PERMIT NO.: OP-18-0006

COMPANY: Pennsylvania Power & Light Co.

3. If at 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 Resources) of the aforementioned air contamination source(s), the operation and use of which is authorized by this permit, or causes, permits or allows any modifications, malfunction or removal of any air pollution control device required as a condition of this permit, then and in that event, this permit shall be suspended, and the permittee shall not thereafter continue to operate or use said air contamination source(s).
4. The aforementioned source(s) may be operated and used only so long as any associated air pollution control devices are operated and maintained in accordance with the specifications set forth in the respective plan approval(s), and the application(s) submitted for said plan approval(s) (as approved by the Department), and in accordance with any conditions set forth herein.
5. This operating permit incorporates a Reasonably Available Control Technology (RACT) determination as required by the provisions of Title I of the Clean Air Act Amendments and 25 PA Code Section 129.91 through 129.95 for a #2 fuel oil-fired Pratt and Whitney model FT4 combustion turbine.
6. The expiration date shown in this permit is for state purposes. For Federal enforcement purposes, the conditions of this operating permit shall remain in effect as part of the State Implementation Plan (SIP) until replaced pursuant to 40 CFR 51 and approved by the U.S. Environmental Protection Agency. The operating permit shall become enforceable by the U.S. Environmental Protection Agency upon approval of the above revision to the SIP.
7. Pursuant to the RACT provisions of Sections 129.91-129.95 of Chapter 129 of Article III of the Rules and Regulations of the Department of Environmental Resources, the nitrogen oxides (NO_x expressed as NO₂) emissions from the combustion turbine shall be limited to 194 pounds per hour. Additionally, the turbine shall not be operated at a capacity factor in excess of 50%.
8. The combustion turbine shall be stack tested to demonstrate compliance with the NO_x emission limit specified in condition 7 herein within 180 days of this operating permit issuance. All testing is to be performed in accordance with Chapter 139 of Article III of the Rules and Regulations of the Department of Environmental Resources while the turbine is operating at maximum capacity.
9. At least 60 days prior to the performance of the testing required by condition 8 herein, a pre-test plan shall be submitted to the Department for evaluation. This test plan shall contain the specific testing and analytical procedures to be used in performing the testing and shall be accompanied by dimensioned drawings of the turbine exhaust showing the location of the sampling ports.

PERMIT CONDITIONS

PERMIT NO.: OP-18-0006

COMPANY: Pennsylvania Power & Light Co.

10. The Department shall be given at least 14 days advance notice of the specific dates and times for the performance of the testing required by condition 8 herein in order that Department personnel can arrange to be present. The Department is under no obligation to accept the results of any testing performed without adequate advance notice having been given to the Department.
11. Within 60 days of completion of the testing required by condition 8 herein, a test report shall be submitted to the Department. The report shall contain the results of the testing, a description of the testing and analytical procedures actually used, all turbine operating data collected during the tests, a copy of all raw data and a copy of the calculations generated during data analysis.
12. In addition to the stack testing required by condition 8 herein, the turbine shall be retested for NOx at least 6 months, but no more than 12 months, prior to the expiration of this operating permit. This testing shall also be performed in accordance with Chapter 139 of Article III of the Rules and Regulations of the Department of Environmental Resources while the turbine is operating at maximum capacity. The company shall additionally submit a pre-test protocol, provide advance notice of the test dates and submit a test report for this retesting using the same time frames as are specified in conditions 9, 10 and 11 herein except that the time frames are to be in relation to the testing required by this condition rather than the testing required by condition 8 herein.
13. This combustion turbine is only to be fired on virgin #2 fuel oil to which no reclaimed or waste oil or other waste materials have been added.
14. The company shall maintain records in accordance with the recordkeeping requirements of Section 129.95 of Chapter 129 of Article III of the Rules and Regulations of the Department of Environmental Resources which shall include records of the amount of fuel oil used in the turbine. All records are to be retained for at least 2 years and shall be made available to the Department upon request.
15. The company shall immediately notify the Department 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 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 Resources.

