

Applicant:

PSEG Power New York LLC
Rte 144
Glenmont, NY 12077

Facility:

Bethlehem Energy Center
380 River Rd
Glenmont, NY 12077

Application ID:

4-0122-00044/00014

Permit(s) Applied for:

Article 19 Air Title V Facility

Project is Located:

Bethlehem, Albany County

Project Description:

PSEG Power New York LLC proposes to implement Advanced Gas Path ("AGP") hardware upgrades as well as to install OpFlex Advantage Peak Load operating software on the General Electric ("GE") Frame 7FA.03 combustion turbines that are currently permitted under Title V of the Clean Air Regulations and operating. The units were originally permitted in 2002. The AGP hardware upgrades involve replacement of key components of each turbine with similar components, but with advanced design and/or materials of construction. The enhanced components allow for higher firing temperatures, reduced cooling by-pass and increased air flow to the combustion chambers. The result of the upgrades are increased efficiency and decreased fuel consumption. The OpFlex software provides additional incremental increases in combustion turbine output over base load operations. Utilization of the OpFlex software will be limited to 300 hours per year per combustion turbine. Bethlehem Energy is a combined cycle power plant, consisting of three combustion generating turbines burning pipeline quality natural gas and low sulfur distillate oil with supplementary-fired HRSGs, a steam turbine generator, a pipeline quality natural gas-fired package boiler, and exempt activities. The plant has a nominal generating capacity of 750 MW.

In accordance with 6NYCRR Parts 621.7(b)(9) and 201-6.3(c), the Administrator of the United States Environmental Protection Agency (USEPA) has the authority to bar issuance of any Title V Facility Permit if it is determined not to be in compliance with applicable requirements of the Clean Air Act or 6NYCRR Part 201.

Persons wishing to inspect the subject Title V files, including the application with all relevant supporting materials, the draft permit, and all other materials available to the DEC (the "permitting authority") that are relevant to this permitting decision should contact the DEC representative listed below. The [Draft Permit and Permit Review Report](#) may be viewed and printed from the Department web site at: <http://www.dec.ny.gov/chemical/32249.html>.

DEC will evaluate the application and the comments received on it to determine whether to hold a public hearing. Comments and requests for a public hearing should be in writing and addressed to the Department representative listed below. A copy of the Department's [permit hearing procedures](#) is available upon request or on the Department web site at: <http://www.dec.ny.gov/permits/6234.html>.

Availability of Application Documents:

Filed application documents, and Department draft permits where applicable, are available for inspection during normal business hours at the address of the contact person. To ensure timely service at the time of inspection, it is recommended that an appointment be made with the contact person.

State Environmental Quality Review (SEQR) Determination:

Project is an Unlisted Action and will not have a significant impact on the environment. A Negative Declaration is on file. A coordinated review was not performed.

SEQR Lead Agency: None Designated

State Historic Preservation Act (SHPA) Determination:

The proposed activity is not subject to review in accordance with SHPA. The application type is exempt and/or the project involves the continuation of an existing operational activity.

Coastal Management:

This project is located in a Coastal Management area and is subject to the Waterfront Revitalization and Coastal Resources Act.

DEC Commissioner Policy 29, Environmental Justice and Permitting (CP-29)

It has been determined that the proposed action is not subject to CP-29.

Opportunity for Public Comment:

Comments on this project must be submitted in writing to the Contact Person no later than *Sep 16, 2016*.

Contact:

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