



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION 4

Final Determination Prevention of Significant Deterioration Air Permit PSD-EPA-R4010 Florida Power and Light - Port Everglades November 25, 2013

On May 31, 2013, the Region 4 office of the United States Environmental Protection Agency (EPA) requested public comment on a draft Prevention of Significant Deterioration (PSD) air permit for Greenhouse Gas (GHG) emissions from Florida Power and Light's Port Everglades Next Generation Clean Energy Center (Project).

This Project includes the construction and operation of the 3-on-1 combined cycle combustion unit that consists of three nominal 250 megawatt (MW) advanced combustion turbines (CTs) and three heat recovery steam generators (HRSGs), which will utilize the waste heat from the CTs to produce steam to be utilized in a single nominal 500 MW steam turbine generator. The Project also includes the construction and operation of additional equipment, including an auxiliary boiler, emergency generators, gas compressors, fire pump engine, ultra low sulfur diesel (ULSD) storage tank, circuit breakers, and temporary construction boilers.

The EPA prepared a preliminary determination, fact sheet, and statement of basis document that explains the permit requirements. These documents, as well as the application, supporting materials, public notice and response to public comments are available in the Administrative Record for this project. The Administrative Record is available at the EPA Region 4 office and can be accessed through EPA's website at: <http://www.epa.gov/region4/air/permits/ghgpermits/ghgpermits.html> and www.regulations.gov (Docket #EPA-R04-OAR-2013-0431).

The EPA announced the public comment period and opportunity for public hearing via a public notice published in the *Sun Sentinel*, in emails to the GHG public notice list, and on www.regulations.gov and the EPA Region 4's website. A total of 26 comments from 3 commenters, including 1 request for a public hearing, were received (via email and letter) during the public comment period, which closed on July 2, 2013. The EPA reviewed each of the comments received and prepared a Response to Comments document, which reiterates the comments and provides the EPA's responses. Complete copies of all comments are included in the Administrative Record for the Project, which can be accessed at the websites listed above.

After consideration of the expressed view of all interested persons, the pertinent federal statutes and regulations, the application and supplemental information submitted by the applicant, and additional material relevant to the application and contained in the Administrative Record, the EPA has made a final determination in accordance with title 40, Code of Federal Regulations (CFR), part 52, to issue PSD air permit PSD-EPA-R4010 to Florida Power and Light.

The final permit differs from the draft permit offered for public comment and the changes are identified in the redline-strikeout version of the final permit. In summary, EPA made the following changes to the draft permit as a result of our response to public comments:

1. Revised CT monitoring conditions to better align with the monitoring of CO₂ emissions already required by the Acid Rain program. (*see* Conditions IX.F.1 – IX.F.9)

2. Included additional conditions to improve compliance with the emission limits on the auxiliary equipment. (*see* Conditions IX.H.3 and IX.G)
3. Provided additional operational flexibility without negative environmental impact for the operation of the CTs on ULSD and the operation of the temporary construction boilers. (*see* Conditions IX.C.2 and IX.E.8)
4. Revised the operating conditions of the emergency generators and fire pump engine to better align with 40 CFR Part 63 Subpart ZZZZ. (*see* Conditions IX.E.4 and IX.E.6)
5. Included additional non-air related conditions as a result of the Biological Opinion issued by the National Marine Fisheries Service. (*see* Condition IX.A and Section XI)
6. Corrected a mathematical error in the BACT limits for the CTs. (*see* Condition IX.C.1)
7. Revised the permit language to clarify that BACT for the Circuit Breakers is a work practice standard (*see* Conditions IX.E.1 and IX.E.7)
8. Deleted exemption from BACT for Startup/Shutdown of combustion turbines which was inadvertently included in the draft permit (*see* Condition IX.C.1)

The final permit, EPA's response to the public comments, and additional supporting information are available at <http://www.epa.gov/region4/air/permits/ocspermits/ocspermits.html>, as well as, the EPA Region 4 Office and are also available upon request to Ms. Rosa Yarbrough at: R4GHGpermits@epa.gov; (404) 562-9643; or in writing to: EPA Region 4, APTMD; ATTN: Ms. Rosa Yarbrough; 61 Forsyth Street, SW; Atlanta, GA 30303.

Any person who filed comments on the draft permit may petition the Environmental Appeals Board (EAB) to review any of the revised conditions of the final permit, including a showing that the conditions in question are based on a finding of fact or law which is clearly erroneous, as well as, a demonstration that these same issues were raised during the comment period. Please see 40 CFR § 124.19 and visit <http://www.epa.gov/eab/> for more information regarding the procedure for appeals to the EAB.