

Prevention of Significant Air Quality Deterioration Review

Final Determination

May, 2012

Facility Name: Effingham County Power Plant

City: Rincon

County: Effingham

AIRS Number: 04-13-10300012

Application Number: 19810

Date Application Received: July 27, 2010

Review Conducted by:

State of Georgia-Department of Natural Resources
Environmental Protection Division - Air Protection Branch
Stationary Source Permitting Program

Prepared by:

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BACKGROUND

On July 27, 2010, Effingham County Power (hereafter Effingham) submitted an application for an air quality permit for an expansion of their facility located at 3440 McCall Road in Rincon, Effingham County, Georgia. The facility requested authorization to construct and operate an additional nominal net 668-megawatt (MW) combined cycle power generation facility. The project will consist of two combustion turbines (CTs) and associated heat recovery steam generators (HRSGs) including duct burners, one steam turbine, one fuel heater, one auxiliary boiler, one 10-cell mechanical draft cooling tower, one 6-cell mechanical draft cooling tower and one fuel oil storage tank. The combustion turbines will be capable of accommodating natural gas and ultra low sulfur distillate fuel oil. The duct burners, fuel heater, and auxiliary boiler will be capable of accommodating natural gas only.

On March 26, 2012, the Division issued a Preliminary Determination stating that the modifications described in Application No. 19810 should be approved. The Preliminary Determination contained a draft Air Quality Permit for the construction and operation of the modified equipment.

The Division requested that Effingham place a public notice in a newspaper of general circulation in the area of the existing facility notifying the public of the proposed construction and providing the opportunity for written public comment. Such public notice was placed in the *Effingham Herald* (legal organ for Effingham County) on April 6, 2012. The public comment period expired on May 7, 2012.

There were no comments received from the U.S. EPA Region IV, the facility, or the general public during the public comment period.

A copy of the final permit is included in Appendix A.

NOTES

Note: On April 3, 2012, the U.S. EPA proposed new NSPS known as 40 CFR 60, Subpart TTTT “Standards of Performance for Greenhouse Gas Emissions for Electric Utility Units” in the *Federal Register* Volume 77 pages 22392-22441. This proposed regulation, as written, would be applicable to the Effingham County Power Plant expansion described in Application No. 19810. This proposed regulation is not incorporated in the final permit for the applicant.

APPENDIX A

AIR QUALITY PERMIT

4911-103-0012-V-04-1