

Georgia Department of Natural Resources PF

Environmental Protection Division • Air Protection Branch
4244 International Parkway • Suite 120 • Atlanta • Georgia 30354
404/363-7000 • Fax: 404/363-7100
Chris Clark, Commissioner
F. Allen Barnes, Director

SEP 10 2010

Matthew Lydon
EH&S Manager
Effingham County Power Plant
3440 McCall Road
Rincon, Georgia 31326

Re: Application No. 19810, dated July 22, 2010
Effingham County Power Plant, Rincon, AIRS No.: 10300012

Dear Mr. Lydon:

Technical review of the above referenced application for the construction and operation of a 668-megawatt (MW) power plant has begun. As a result, the Division has the following comments:

1. Carbon dioxide (CO₂) emissions are expected from the proposed project. However, Application 19810 did not include any CO₂ emissions estimates. Please provide CO₂ emissions estimates for the proposed project.
2. Emissions estimates are based on specific site testing data and vendor specification data for applicable pollutants. However, such data was not provided in Application 19810 for Division review. Please provide the specific source testing data and vendor specification data on which emissions estimations are based.
3. Application 19810 indicates that applicable emissions from the proposed turbines are based on testing conducted on the similar existing turbines at the site that fire only natural gas. Please verify that emissions estimated using emissions testing data associated with natural gas-fired turbines provide an accurate representation of emissions from the proposed engines when firing fuel oil.
4. Application 19810 indicates startup and shutdown emission estimations for the proposed turbines are based on the existing turbines that only fire natural gas. Will the proposed turbines have the capability of firing fuel oil during startup and shutdown operations? If so, please verify that emission estimations for the proposed engines included in the permit application provide an accurate estimation for startup and shutdown emissions while firing fuel oil.

The Division requests a response to these comments within thirty (30) business days following the receipt of this letter. If you have any questions or need more information, please contact me at (404) 362-2700 or via email at tyneshia.tate@dnr.state.ga.us.

Sincerely,



Tyneshia Tate
Environmental Engineer
Stationary Source Permitting Program

cc: Rosendo Majano, Planning and Support Program
Sal Mohammad, Golder Associates Inc.