

Georgia Department of Natural Resources

Environmental Protection Division • Air Protection Branch

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Noel Holcomb, Commissioner

Carol A. Couch, Ph.D., Director

October 9, 2007

Honorable Dr. David Wetherby
Mayor
City of Fort Gaines
P.O. Box 251
Fort Gaines, Georgia 39851

RE: Air Quality Permit Application for Power Plant

Dear Mayor Wetherby:

The purpose of this letter is to inform you that the Georgia Environmental Protection Division (EPD) Air Protection Branch received the following Prevention of Significant Deterioration (PSD) permit application for a new power plant in Clay County. A map showing the location of the proposed plant is enclosed.

Yellow Pine Energy Company, LLC has made Application No. 17700 (received October 1, 2007) to construct and operate a nominal 110-megawatt (MW) biomass-fired power plant. The facility is designed to include: fluidized bed boiler(s) with a heat input capacity of 1,529 million Btu/hr; a condensing steam turbine generator; an auxiliary boiler with a heat input capacity of 25 million Btu/hr; multi-cell mechanical draft wet cooling towers; a water treatment plant; a wastewater treatment plant and outfall; back-up emergency diesel generator and diesel firewater pumps; ash/inert landfill; aqueous ammonia storage tanks; limestone storage bins; a No.2 fuel oil storage tank; Diesel fuel oil storage tanks; and supporting plant equipment. The plant will have the capability of firing bituminous coal, petroleum coke (Pet Coke), or 95% metal-free tire-derived fuel (TDF) in small quantities in addition to biomass fuel. Low sulfur No. 2 fuel oil or propane will be used for start-up of the fluidized bed boiler(s) and will be the primary fuel of the auxiliary boiler. The facility would be located on Georgia Highway 39 on approximately 200 acres of land located in Clay County, eight miles south of Fort Gaines, Georgia.

The following table summarizes the potential emissions from the proposed power plant, as reported in the application.

Pollutant	Potential Emissions (Tons per Year)
Nitrogen Oxides (NO _x)	670
Sulfur Dioxide (SO ₂)	670
Carbon Monoxide (CO)	2,009
Volatile Organic Compound (VOC)	194
Particulate Matter with an aerodynamic size equal to or less than ten microns (PM ₁₀)	222

Feel free to contact me at (404) 362-2700 if you have any questions.

Sincerely,

Tyneshia Tate
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Environmental Engineer
Stationary Source Permitting Program

Enclosure