

**State of Georgia PSD / 112 (g) / NAA-NSR / PCP
Air Quality Permit Application Summary**

General Facility Information

Facility name:	Yellow Pine Energy Company, LLC
Facility Address:	Georgia Highway 39 Fort Gaines, Georgia 39851 (Clay County)
Facility Description:	Yellow Pine Energy Company, LLC is a 110 MW power plant primarily burning biomass.
AIRS Number:	04-13- 06100001
Application Number:	17700
Application Received:	October 1, 2007

Application type

- Prevention of Significant Deterioration [PSD] Case by Case MACT Determination [112(g)] Non-Attainment Area New Source Review [NSR] Pollution Control Project [PCP]

Description of Project

Yellow Pine Energy Company, LLC proposes to construct and operate a 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.