BACT DETERMINATION FOR AN EXISTING SOURCE FIRING FUEL OIL

Best Available Control Technology (BACT) Determination
Georgia-Pacific Corporation
Putnam

The applicant has one existing boiler that is permitted to operate (24 H/D; 7 D/W; 52 W/Y (8760 H/Y). EU014 has a maximum heat input of 134 MMBtu/hr and is currently operated with No. 6 fuel oil containing 2.35% percent sulfur, by weight.

This BACT determination is required for the source as set forth in Rules 62-204.400(7), F.A.C. - Specific Emission Limiting and Performance Standards and 62-296.406, F.A.C., - Fossil Fuel Steam Generators with less than 250 Million Btu per hour Heat Input, New and Existing Sources.

BACT Determination Requested by Applicant:

Particulate matter and sulfur dioxide emission are to be controlled by the firing of No. 6 fuel oil with a maximum sulfur content not to exceed 2.35% percent, by weight.

Date of Receipt of BACT Application: September 24, 2003

BACT Determination by DEP/District Air Program):

The amount of particulate matter and sulfur dioxide emissions from the boilers shall be limited by the firing of No.6 fuel oil with a maximum sulfur content not to exceed 2.35% percent, by weight.

BACT Determination Rationale:

Sulfur in fuel is a primary air pollution concern since most of the fuel sulfur becomes sulfur dioxide. Also, particulate matter emissions from fuel burning are related to the sulfur content.

The modeling for this project was conducted under Permit No. 1070005-017-AC

Based on the information presented in this analysis, the firing of No.6 fuel oil with a maximum sulfur content not to exceed 2.35% percent, by weight, shall be BACT for the boiler. This decision is consistent with previous BACT determinations for similar units.

Recommended by:	**Approved by:**
Rita Felton-Smith Air Permitting Program	Christopher L. Kirts, P.E. District Air Program Administrator
Date: December 15, 2003	Date: December 15, 2003