Best Available Control Technology (BACT) Determination

UNITED STATES GYPSUM COMPANY
Gypsum Wallboard Manufacturing Plant
Duval County

This BACT determination is required for the source as set forth in Rules 62-296.400, Florida Administrative Code (FAC), Specific Emissions Limiting and Performance Standards, and Rule 62-296.406, FAC, - Fossil Fuel Steam Generators with less than 250 Million Btu per hour Heat Input, New and Existing Sources.

The applicant has applied for a Title V air construction permit to construct three process stem generating boilers rated at a maximum heat input of 50.4 million Btu per hour each. The boilers require a BACT determination. These boilers are located at the United States Gypsum Company, Gypsum Wallboard Manufacturing Plant, 6825 Evergreen Ave., Jacksonville, FL. The boilers are designated as follows:

Emission Unit ID No.	Brief Description
098	Cleaver Brooks Boiler No. 1
099	Cleaver Brooks Boiler No. 2
100	Cleaver Brooks Boiler No. 3

BACT Determination Requested by Applicant:

Particulate matter and sulfur dioxide emissions shall be controlled by the firing of natural gas.

Date of Receipt of BACT Application:

April 28, 2003

BACT Determination by the Department:

Particulate matter emissions and sulfur dioxide emissions shall be controlled by the firing of natural gas.

BACT Determination Rationale:

Sulfur in fuel is a primary air pollution concern since most of the fuel sulfur becomes sulfur dioxide.

This determination for small boilers (i.e., less than 100 million Btu/hr firing rate) is more stringent than Subpart Dc, New Source Performance Standards requirements for small boilers firing low sulfur distillate fuel oil.

Details of the Analysis may be obtained by Contacting:

Jerry E. Woosley, Environmental Engineer
Regulatory and Environmental Services Department
Air & Water Quality Division
117 West Duval Street, Suite 225
Jacksonville, FL 32202

Approved by:

Richard J. Robinson

Richard Robinson, P.E., Manager
Air Pollution Source Permitting Section

6/16/03

Date

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