Best Available Control Technology (BACT) Determination
Owens Corning
Facility ID 0310050
Duval County

This BACT determination is required for the source(s) 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 construction permit for the existing boiler (Industrial Combustion, Inc., Model Number 300-2, maximum heat input of 12.6 MMBtu per hour) which currently burns natural gas and is considered an insignificant emission unit. The applicant has determined and requested that the boiler be added to the Title V Air Operating permit as an emission unit. The permitting authority concurs with this request.

BACT Determination Requested by Applicant:

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

Date of Receipt of BACT Application:

February 23, 2007

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. Natural gas contains trace amounts of sulfur. Particulate Matter emissions are significantly reduced by the firing of natural gas versus fuel oil.

This determination is consistent with other recent BACT Determinations for small boilers (i.e., less than 100×10^6 Btu/hr firing rate) and is more stringent than Subpart Dc, New Source Performance Standards.

Details of the Analysis may be obtained by Contacting:

Jerry Woosley
Environmental Engineer
Environmental Resource Management Department
Environmental Quality Division
117 West Duval Street, Suite 225
Jacksonville, FL 32202

Approved by:

Richard L. Robinson

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

3/28/07
Date