Best Available Control Technology (BACT) Determination

Metal Container Corporation
Duval County

The applicant has applied for a construction permit for three 5.7 x 10^6 Btu per hour boilers, fired by natural gas or liquid propane gas. These boilers require a BACT Determination.

The BACT Determination is required for the package boilers as set forth in Rule 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 Emission Units, and Rule 2.901, Jacksonville Environmental Protection Board (JEPB).

BACT Determination Requested by Applicant:

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

Date of Receipt of BACT Application: November 20, 1996

BACT Determination by the Department:

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

BACT Determination Rationale:

Sulfur in fuel is a primary air pollution concern, since most of the fuel sulfur becomes sulfur dioxide. Particulate Matter emissions are insignificant when using these fuels.

This determination is consistent with other recent BACT Determinations for small boilers (i.e., less than 100 x 10^6 Btu/hr firing rate).

Details of the Analysis May be Obtained by Contacting:

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Pollution Control Specialist
Regulatory and Environmental Services Department
Air & Water Quality Division
421 W. Church Street, Suite 422
Jacksonville, FL 32202-4111

Approved by:

Richard Robinson, P.E.
Pollution Control Engineer

12/12/96
Date