Best Available Control Technology (BACT) Determination

Reichhold LLC 2, formerly Reichhold Chemicals, Inc.
Duval County

The applicant has submitted a permit application for an existing 10.5×10^6 Btu per hour boiler. The boiler is fired exclusively with natural gas.

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 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 are to be controlled by the firing of natural gas.

Date of Receipt of BACT Application: June 4, 1996

BACT Determination by Duval County Air & Water Quality Division:

The amount of particulate matter and sulfur dioxide emissions from the boilers shall be limited by the firing of natural gas.

BACT Determination Rationale:

Sulfur in the 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 firing of natural gas shall be BACT for the boiler.

- Determination is consistent with previous BACT Determinations for similar units and with 40 CFR 60, Subpart Dc - Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units.

Details of the Analysis may be obtained by contacting:

Ronald L. Roberson, Associate Engineer
Regulatory and Environmental Services Department
Air & Water Quality Division
421 W. Church Street, Suite 422
Jacksonville, FL 32202

Approved by:

Richard L. Robinson

Richard L. Robinson, P.E.
Pollution Control Engineer