Best Available Control Technology (BACT) Determination
Jefferson Smurfit Corporation (US)
Nassau

The applicant has one existing boiler that is permitted to operate 24 hours/day, 7 days/week and 52 weeks/year 8760 hr/year. The maximum heat input is 190MMBtu/hr and is currently operated with No. 2 fuel oil containing 0.05% 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.2 fuel oil with a maximum sulfur content not to exceed 0.05% percent, by weight.

Date of Receipt of BACT Application: October 1, 2002

BACT Determination by DEP:

The amount of particulate matter and sulfur dioxide emissions from the boilers shall be limited by the firing of No.2 fuel oil with a maximum sulfur content not to exceed 0.05% 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.

Based on the information presented in this analysis, the firing of No.2 fuel oil with a maximum sulfur content not to exceed 0.05% percent, by weight, shall be BACT for the boiler. This decision is consistent with previous BACT determinations for similar units.

Details of the Analysis May be Obtained by Contacting:

Leslie Maybin, Permitting Engineer III
Florida Department of Environmental Protection
7825 Baymeadows Way, Suite B200
Jacksonville, Florida 32256-7590

DRAFT

Recommended by:

_____
Leslie Maybin
Air Permitting Program

Date _____, (Year)

Approved by:

_____
Christopher L. Kirts, P.E.
District Air Program Administrator

Date _____, (Year)