Jefferson Smurfit Corporation (U.S.)

Permit No. 0810174-005-AF

Attachment No. 1

Florida Department of Environmental Protection

Best Available Control Technology (BACT) Determination

BEST AVAILABLE CONTROL TECHNOLOGY (BACT) DETERMINATION
JEFFERSON SMURFIT CORPORATION (U.S.)
MANATEE COUNTY

Jefferson Smurfit Corporation (U.S.) has submitted an application received on January 31, 1997 for the construction of a Cleaver-Brooks Model CB700-400-200 process steam boiler to be located at 1675 9th Street East, Bradenton, Manatee County. The boiler is designed to have a maximum heat input rate of 16.75 MMBTU/hour.

This BACT determination is required for this boiler as set forth in Rule 62-296.406, Florida Administrative Code - Fossil Fuel Steam Generators With Less Than 250 MMBTU/Hour Heat Input, New And Existing Sources.

BACT DETERMINATION REQUESTED BY THE APPLICANT:

The amount of particulate matter and sulfur dioxide emissions are to be controlled by the firing of natural gas as primary fuel with propane fuel as back-up.

DATE OF RECEIPT OF BACT APPLICATION: January 31, 1997

BACT DETERMINATION BY DEP:

The amount of particulate matter and sulfur dioxide emissions are to be controlled by the firing of natural gas as primary fuel with propane fuel as back-up.

BACT DETERMINATION RATIONAL:

Sulfur in fuel is a primary air pollution concern, since most of the fuel's sulfur becomes sulfur dioxide. Also, particulate matter emissions from fuel burning are related to the sulfur content. The Department has performed air dispersion modeling analysis on small oil fired boilers typical of this boiler. These analysis show that all standards and increments will be met with the firing of natural gas as primary fuel with propane fuel as back-up.

DETAILS OF THE AIR DISPERSION ANALYSIS MAY BE OBTAINED BY CONTACTING:

BACT Coordinator
Department of Environmental Protection
Bureau of Air Regulation
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, FL 32399-2400

Recommended by:

Gerald J. Kissel, P.E.
District Air Permitting Supervisor
Southwest District

Dated 6/16, 1997

Approved by:

W.C. Thomas, P.E.
District Air Program Administrator
Southwest District

Dated 6/17/97, 1997