



JEFFERSON SMURFIT CORPORATION

Containerboard Mill Division

1915 WIGMORE STREET
P.O. BOX 150
JACKSONVILLE, FL 32201
TELEPHONE: 904/798-5600
FAX: 904/798-5700

Certified - Return Receipt Requested

April 15, 1997

Mr. Alvaro A. Linero, P.E.
Administrator
New Source Review Section
Division of Air Resources Management
Florida Department of Environmental Protection
2400 Blair Stone Road
Tallahassee, Florida 32399-2400

RECEIVED

APR 18 1997

BUREAU OF
AIR REGULATION

Subject: No. 10 Coal/ Bark Boiler
Jefferson Smurfit Corporation
Jacksonville Mill
DEP Permit No. AC 16-23453
Request for Modification of Permit Conditions

0310003-002-AC

Dear Mr. Linero:

Department of Environmental Protection Permit No. AC 16-23453 allows this facility to operate a 540 MMBtu/hr. boiler using coal and bark as primary fuels, and No. 6 fuel oil for start-up, shut-down and malfunctions. The air emission control systems include mechanical separators and a venturi scrubber for the control of particulate emissions, an absorption section using caustic soda for control of sulfur dioxide(SO₂) emissions, and a selective non-catalytic reduction(SNCR) system in the furnace combustion zone for the control of nitrogen oxides(NO_x) emissions.

Specific Condition 10 provides that the maximum heat input from the combustion of coal shall not exceed 397.0 MMBtu/hour and from the combustion of bark shall not exceed 143.0 MMBtu/hr, for a total maximum heat input from the combined fuel of 540.0 MMBtu/hr. Specific Condition 10 further provides that the maximum coal fuel input shall be 30,600 lb/hr and the maximum bark fuel input shall be 35,000 lb/hr.

Specific Condition 10 restricts the normal operation of the permitted boiler to firing of coal and bark only, and restricts the maximum input of coal and bark by Btu input and by weight, in pounds per hour.



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Opportunities are now available for considering the firing of other carbonaceous fuels such as wood waste, yard waste, and the facility's wastewater treatment system sludge. These opportunities will provide, we believe, significant environmental and economic benefits.

The facility is currently constructing a new chip receiving facility which will eliminate on-site manufacture of wood chips from purchased pulp wood. Wood chips will be produced by off-site satellite chipping facilities. The off-site chipping facilities are expected to increase the available bark fuel supply.

In order to be able to take advantage of the availability and economy of other fuels, the facility is hereby requesting modification of the subject permit to allow flexibility in fuel selection and in fuel firing rates.

Specifically, the request is to modify Specific Condition 10, page 6 of 9, to read as follows:

From:

Only coal containing less than or equal to 1.0% sulfur by weight and bark shall be fired during normal operating conditions as a combined fuel in this boiler. The maximum heat input from the firing of coal and bark shall not exceed 397.0 MMBtu/hour and 143.0 MMBtu/hour, respectively, for a total maximum heat input from the combined fuel of 540.0 MMBtu/hour. No. 6 fuel oil may be fired during start-up, shut-down and malfunctions. Maximum coal fuel input shall be 30,600 lb/hr. Maximum bark fuel input shall be 35,000 lb/hr.

To:

Only coal containing less than or equal to 1.0% sulfur by weight and carbonaceous fuel shall be shall be fired during normal operating conditions as a combined fuel in this boiler. Carbonaceous fuel shall include but not be limited to bark, wood waste, yard waste, and wastewater treatment system sludge. The maximum heat input from the firing of coal shall not exceed 397.0 MMBtu/hour, the total maximum heat input from the combined fuels shall not exceed 540.0 MMBtu/hour. No. 6 fuel oil may be fired during start-up, shut-down and malfunctions. Maximum coal fuel input shall be 30,600 lb/hr.

Modification of Specific Condition 10 as requested is not expected to increase air emissions nor cause degradation of air quality.

Enclosed is Jefferson Smurfit Corporation Check No. 1139588 in the amount of \$250 for payment of the permit modification fee.

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We urge the Department to favorably consider the requested permit modification.

Should there be any question about this matter please telephone Gene Tonn at 904/798-5662 or write to me at the above address.

Very truly yours,



Hollis H. Elder
Vice President & General Manager

CR# Z 434 574 424

CC: S. Ariz, BAR
NED
Duval Co.

Jefferson Smurfit Corporation

MILL DIVISION

JACKSONVILLE, FLORIDA

DATE OF INVOICE	YOUR INVOICE NO.	OUR REFERENCE NO.	INVOICE AMOUNT	DISCOUNT	BALANCE	
4/02/97	34532		250.00		250.00	
CHECK NO.			VENDOR NO.	TOTAL GROSS AMOUNT	TOTAL DISCOUNT	BALANCE
			32399FA05	250.00		250.00

DETACH BEFORE DEPOSITING



Jefferson Smurfit Corporation

401 Alton Street, P.O. Box 276, Alton, IL 62002-2276

No. 1139588

80-0990
815

SCOTT CITY BANK & TRUST
A CORRESPONDENT OF BOATMEN'S BANK

DATE
4/03/97

PLANT NO.
13

The sum of \$250.00

FLORIDA DEPT. OF ENVIRON. PRO.
2600 BLAIR STONE RD.
AIR RESOURCES MANAGEMENT
TALLAHASSEE FL

PAY TO THE ORDER OF

323992400
Jefferson Smurfit Corporation

THIS CHECK NOT VALID UNLESS PRESENTED FOR PAYMENT WITHIN 180 DAYS FROM DATE OF ISSUE.

*****250.00

AMOUNT

2ND SIGNATURE REQUIRED IF OVER \$5,000

2ND SIGNATURE

1ST SIGNATURE

