



# Florida Department of Environmental Protection

Lawton Chiles  
Governor

Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Virginia B. Wetherell  
Secretary

February 18, 1994

**CERTIFIED MAIL-RETURN RECEIPT REQUESTED**

Mr. Hollis H. Elder  
Vice President and General Manager  
Jefferson-Smurfit Corporation  
Post Office Box 150  
Jacksonville, Florida 32201

Dear Mr. Elder:

Attached is a copy of the Technical Evaluation and Preliminary Determination and proposed permit modification of the air construction permit (AC 16-33885) for the No. 10 Power Boiler at the applicant's facility located at 1915 Wigmore Street, Jacksonville, Florida, in Duval County.

Please submit any written comments you wish to have considered concerning the Department's proposed action to Mr. Preston Lewis at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400.

Sincerely,

C. H. Fancy, P.E.  
Chief  
Bureau of Air Regulation

CHF/CSL

Attachments

cc: J. Cole, NED  
R. Roberson, AQD RESD (Duval Co.)  
G. Tonn, JSC  
J. Manning, P.E.  
R. Caleen, O&H  
J. Harper, U.S. EPA  
G. Worley, U.S. EPA  
J. Bunyak, NPS  
B. Collom, GAPC

State of Florida  
Department of Environmental Protection

CERTIFIED MAIL

In the Matter of an  
Application for Permit by:

DEP File No. AC 16-234532  
Duval County

Mr. Hollis H. Elder  
Jefferson-Smurfit Corporation  
Post Office Box 150  
Jacksonville, Florida 32201

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INTENT TO ISSUE

The Department of Environmental Protection gives notice of its intent to issue a permit (copy attached) for the proposed project as detailed in the application specified above, for the reasons stated in the attached Technical Evaluation and Preliminary Determination.

The applicant, Jefferson-Smurfit Corporation, on July 16, 1993, submitted to the Department of Environmental Protection an application to modify the air construction permit for the No. 10 power boiler by increasing the maximum heat input from 441 MMBtu per hour to 540 MMBtu per hour. This increase in heat input would be accomplished by firing bark with coal in the No. 10 boiler. The facility is located at 1915 Wigmore Street, Jacksonville, Florida in Duval County.

The Department has permitting jurisdiction under the provisions of Chapter 403, Florida Statutes and Florida Administrative Code (F.A.C.) Chapters 17-212 and 17-4. The project is not exempt from permitting procedures. The Department has determined that a construction permit is required for the proposed work.

Pursuant to Section 403.815, Florida Statutes and Rule 17-103.150, F.A.C., you (the applicant) are required to publish at your own expense the enclosed Notice of Intent to Issue Permit. The notice shall be published one time only within 30 days in the legal ad section of a newspaper of general circulation in the area affected. For the purpose of this rule, "publication in a newspaper of general circulation in the area affected" means publication in a newspaper meeting the requirements of Sections 50.011 and 50.031, F.S., in the county where the activity is to take place. The applicant shall provide proof of publication to the Department's Bureau of Air Regulation, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400, within seven days of publication. Failure to publish the notice and provide proof of publication within the allotted time may result in the denial of the permit.

The Department will issue the permit with the attached conditions unless a petition for an administrative proceeding (hearing) is filed pursuant to the provisions of Section 120.57, F.S.

A person whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative proceeding (hearing) in accordance with Section 120.57, Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400. Petitions filed by the permit applicant and the parties listed below must be filed within 14 days of receipt of this intent. Petitions filed by other persons must be filed within 14 days of publication of the public notice or within 14 days of their receipt of this intent, whichever first occurs. Petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. Failure to file a petition within this time period shall constitute a waiver of any right such person may have to request an administrative determination (hearing) under Section 120.57, Florida Statutes.

The Petition shall contain the following information;

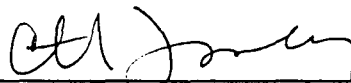
- (a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department Permit File Number and the county in which the project is proposed;
- (b) A statement of how and when each petitioner received notice of the Department's action or proposed action;
- (c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action;
- (d) A statement of the material facts disputed by Petitioner, if any;
- (e) A statement of facts which petitioner contends warrant reversal or modification of the Department's action or proposed action;
- (f) A statement of which rules or statutes petitioner contends require reversal or modification of the Department's action or proposed action; and
- (g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.

If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this intent. Persons whose substantial interests will be affected by any decision of the Department with regard to the application have the right to petition to become a party to the proceeding. The petition must conform to the requirements specified above and be filed (received) within 14 days of receipt of this intent in the Office of General Counsel at the above

address of the Department. Failure to petition within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, F.S., and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 28-5.207, F.A.C.

Executed in Tallahassee, Florida.

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL PROTECTION



C. H. Fancy, P.E., Chief  
Bureau of Air Regulation  
2600 Blair Stone Road  
Tallahassee, Florida 32399  
904-488-1344

CERTIFICATE OF SERVICE

The undersigned duly designated deputy clerk hereby certifies that this INTENT TO ISSUE and all copies were mailed by certified mail before the close of business on 2/18/94 to the listed persons.

Clerk Stamp

**FILING AND ACKNOWLEDGMENT**  
FILED, on this date, pursuant to §120.52(11), Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

Charlotte Jo Hayes 2/18/94  
Clerk Date

Copies furnished to:

J. Cole, NED  
R. Roberson, AQD RESD (Duval Co.)  
G. Tonn, JSC  
J. Manning, P.E.  
R. Caleen, O&H  
J. Harper, U.S. EPA  
G. Worley, U.S. EPA  
J. Bunyak, NPS  
B. Collom, GAPC

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
NOTICE OF INTENT TO ISSUE PERMIT

The Department of Environmental Protection gives notice of its intent to issue an air construction permit (AC 16-234532) to Jefferson-Smurfit Corporation's NO. 10 Coal/Bark Boiler at 1915 Wigmore Street, Jacksonville, Florida 32201. The permit will allow Jefferson-Smurfit Corporation to increase the maximum heat input of the No. 10 boiler at its Jacksonville facility from 441 MMBtu per hour to 540 MMBtu per hour. This permit will not cause an exceedence of "significant emission rates" or ambient air quality standards. Therefore the prevention of significant deterioration (PSD) rule and best available control technology (BACT) do not apply to this permit. The Department is issuing this Intent to Issue for the reasons stated in the Technical Evaluation and Preliminary Determination.

A person whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative proceeding (hearing) in accordance with Section 120.57, Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400, within 14 days of publication of this notice. Petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. Failure to file a petition within this time period shall constitute a waiver of any right such person may have to request an administrative determination (hearing) under Section 120.57, Florida Statutes.

The Petition shall contain the following information; (a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department Permit File Number and the county in which the project is proposed; (b) A statement of how and when each petitioner received notice of the Department's action or proposed action; (c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action; (d) A statement of the material facts disputed by Petitioner, if any; (e) A statement of facts which petitioner contends warrant reversal or modification of the Department's action or proposed action; (f) A statement of which rules or statutes petitioner contends require reversal or modification of the Department's action or proposed action; and (g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.

If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this Notice. Persons whose substantial interests will be affected by any decision of the Department with regard to the application have the right to petition to become a party to the proceeding. The petition must conform to the requirements specified above and be filed (received) within 14 days of publication of this notice in the Office of General Counsel at the above address of the Department. Failure to petition within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, F.S., and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 28-5.207, F.A.C.

The application is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at:

Department of Environmental Protection  
Bureau of Air Regulation  
111 S. Magnolia Drive, Suite 4  
Tallahassee, Florida 32301

Department of Environmental Protection  
Northeast District  
7825 Baymeadows Way  
Jacksonville, Florida 32256-3767

Duval County Air Quality Division  
421 West Church Street, Suite 412  
Jacksonville, Florida 32202-4111

Any person may send written comments on the proposed action to Mr. Preston Lewis at the Department's Tallahassee address. All comments received within 14 days of the publication of this notice will be considered in the Department's final determination.

Technical Evaluation  
and  
Preliminary Determination

Jefferson Smurfit Corporation  
Duval County  
Jacksonville, Florida

Construction Permit Modification  
Permit Number: AC 16-234532

Department of Environmental Protection  
Division of Air Resources Management  
Bureau of Air Regulation

February 17, 1994

I. Application

A. Applicant

Jefferson-Smurfit Corporation  
Post Office Box 150  
Jacksonville, Florida 32201

B. Project/Location/Classification

The Department received an application on July 15, 1993, to modify an existing permit by increasing the maximum allowable heat input from 441 MMBtu/hour to 540 MMBtu/hour for the No. 10 boiler at the applicant's facility in Jacksonville, Duval County, Florida. The maximum heat input will be increased by firing additional bark with coal. The applicant's container board facility (SIC Code 2621) is located at 1915 Wigmore Street. UTM coordinates of the site are Zone 17, 439.500 km E and 3,359.100 km N.

II. Project Description

Jefferson-Smurfit Corporation has submitted an application to modify a federally enforceable permit condition in an existing permit for the No. 10 boiler at their Jacksonville facility by increasing the maximum heat input from 441 MMBtu/hour to 540 MMBtu/hour. The increase will be accomplished by firing additional bark in conjunction with coal. This modification would provide the facility with additional process steam for product manufacturing. Maximum fuel consumption and heat input for the boiler will be 30,600 lbs/hr. and 397 MMBtu/hr. for coal and 35,000 lbs/hr. and 143 MMBtu/hr. for bark. The facility will fire coal containing a maximum of 1.0% sulfur by weight. This modification will not require any physical changes to the operations but will include installing Selective Non-Catalytic Reduction (SNCR) equipment to reduce NO<sub>x</sub> emissions.

397  
143  

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540

III. Emissions

The source is comprised of a coal/bark fired boiler with a current heat input rate of 441 MMBtu/hour. The existing permit limits the emissions of the source as follows:

	lb/MMBtu	lb/hr	TPY
PM	0.10	44.1	152.0
SO <sub>2</sub>		289.5	1265.0
NO <sub>x</sub>	0.70	308.7	1352.1
VOC		61.0	144.0
CO		65.0	170.0
VE	20% Opacity - Continuous		
	27% Opacity - 6 Minutes/Hour		



The applicant requested that the permit be revised to allow the maximum heat input to be increased to 540 MMBtu/hour by firing additional bark. At 540 MMBtu/hour heat input the maximum coal fuel consumption and heat input, from the coal fuel, to the boiler will be 30,600 lbs/hr and 397 MMBtu/hr. At 540 MMBtu/hour heat input the maximum bark fuel consumption and heat input, from bark fuel, to the boiler will be 35,000 lbs/hr and 143 MMBtu/hr.

The applicant requested the current allowable NO<sub>x</sub> emission rate of 308.7 lb/hr and 1352.1 TPY at the new heat input of 540 MMBtu/hr. The applicant requested authorization to operate at the current allowable NO<sub>x</sub> emissions rate for up to 18 months to provide time to design, procure and install controls to meet the applicant's proposed standard of .51 lb/MMBtu heat input. After review and coordination with the applicant, the need for a BACT determination was eliminated by limiting the annual NO<sub>x</sub> emissions to 1200 TPY, which represents an annual NO<sub>x</sub> emission increase less than the PSD significant emissions rate of 40 TPY.

#### IV. Rule Applicability

Based on the data from recent stack tests at the facility the increase in actual emissions (actual to allowable) for SO<sub>2</sub>, PM/PM<sub>10</sub>, VOC and CO emissions are less than the significant emission rates in Table 212.400-2 of Rule 17-212, F.A.C. Therefore the Prevention of Significant Deterioration Rule 17-212.400, F.A.C. and a Best Available Control Technology (BACT) determination pursuant to Rule 17-296.330, F.A.C., do not apply.

The proposed project is subject to preconstruction review in accordance with Chapter 403 of the Florida Statutes and Florida Administrative Code (F.A.C.) Chapters 17-4, 17-210, 17-212, 17-292, 17-275, 17-296 and 17-297. The facility will be located in an area classified as attainment for all regulated pollutants (F.A.C. Rule 17-275.400) except ozone. The federal new source performance standards under 40 CFR 60 Subpart Db (Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units) applies to this source.

#### V. Technical Evaluation

The applicant has agreed to install Selective Non-Catalytic Reduction (SNCR) equipment to reduce NO<sub>x</sub> emissions 12 months after the permit is issued. Once SNCR is operating actual NO<sub>x</sub> emissions should be below the current permitted allowables.

The use of bark as fuel in the boiler will result in less coal being burned with lower emissions. It will also provide disposal of a potential solid waste.

VI. Air Quality Impact Analysis

From a technical review of the application, the Department has determined that the requested modification of the construction permit for this facility will not have a detrimental impact on ambient air quality.

VII. Summary and Conclusion

Based on information provided by Jefferson-Smurfit Corporation the Department has reasonable assurance that the proposed modification, as described in this evaluation, and subject to the conditions proposed herein, will not cause or contribute to a violation of any air quality standard, PSD increment, or any other technical provision of Chapter 17-212 of the Florida Administrative Code.

*A. R. Lester*  
*Lester*  
#41755



# Florida Department of Environmental Protection

Lawton Chiles  
Governor

Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Virginia B. Wetherell  
Secretary

**PERMITTEE:**  
Jefferson-Smurfit Corporation  
Post Office Box 150  
Jacksonville, Florida 32201

Permit No. : AC16-234532  
Exp. Date : May 1, 1995  
County : Duval  
Lat./Long. : 30°22'00"N  
81°37'30"W  
Project : Increase Maximum  
Heat Input to No.  
10 Boiler

This permit modification is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Chapters 17-210 through 297 and 17-4. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawings, plans, and other documents attached hereto or on file with the Department and specifically described as follows:

To increase the maximum heat input of the No. 10 coal/bark power boiler from 441 MMBtu/hour to 540 MMBtu/hour by firing additional bark. The facility may be operated at 8760 hours per year. The facility is located at 1915 Wigmore Street, Jacksonville, Duval County, Florida. UTM coordinates of the site are: Zone 17, 439.500 km E and 3,359.100 km N.

The source shall be modified and operated in accordance with the permit application, plans, documents, amendments and drawings, except as otherwise noted in the General and Specific Conditions.

Attachments are listed below:

1. Construction Permit Modification Application received on July 16, 1993.
2. Incompleteness letter to JSC on August 11, 1993.
3. JSC response to incompleteness letter received on September 20, 1993.
4. Letter Fancy to Harper November 29, 1993, requesting guidance on delaying BACT should application be subject to PSD review.

PERMITTEE:  
Jefferson-Smurfit Corp.

Permit Number: AC 16-234532  
Expiration Date: May 1, 1995

**GENERAL CONDITIONS:**

1. The terms, conditions, requirements, limitations, and restrictions set forth in this permit are "Permit Conditions" and are binding and enforceable pursuant to Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations. This permit is not a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in the permit.
4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.
6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.

PERMITTEE:  
Jefferson-Smurfit Corp.

Permit Number: AC 16-234532  
Expiration Date: May 1, 1995

**GENERAL CONDITIONS:**

7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at a reasonable time, access to the premises, where the permitted activity is located or conducted to:

- a. Have access to and copy any records that must be kept under the conditions of the permit;
- b. Inspect the facility, equipment, practices, or operations regulated or required under this permit; and
- c. Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:

- a. A description of and cause of non-compliance; and
- b. The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the non-compliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the non-compliance.

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Sections 403.73 and 403.111, Florida Statutes. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.

10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance, provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.

PERMITTEE:  
Jefferson-Smurfit Corp.

Permit Number: AC 16-234532  
Expiration Date: May 1, 1995

GENERAL CONDITIONS:

11. This permit is transferable only upon Department approval in accordance with Florida Administrative Code Rules 17-4.120 and 17-730.300, F.A.C., as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.

12. This permit or a copy thereof shall be kept at the work site of the permitted activity.

13. This permit also constitutes:

- ( ) Determination of Best Available Control Technology (BACT)
- ( ) Determination of Prevention of Significant Deterioration
- (x) Compliance with New Source Performance Standards (NSPS)

14. The permittee shall comply with the following:

- a. Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.
- b. The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.
- c. Records of monitoring information shall include:
  - the date, exact place, and time of sampling or measurements;
  - the person responsible for performing the sampling or measurements;
  - the dates analyses were performed;
  - the person responsible for performing the analyses;
  - the analytical techniques or methods used; and
  - the results of such analyses.

PERMITTEE:  
Jefferson-Smurfit Corp.

Permit Number: AC 16-234532  
Expiration Date: May 1, 1995

**GENERAL CONDITIONS:**

15. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.

**SPECIFIC CONDITIONS:**

1. The allowable NO<sub>x</sub> emissions at this facility will be 0.70 lbs/MMBtu, 378 lbs/hr and 1200 TPY until Selective Non Catalytic Reduction (SNCR) controls are operational or for a period not to exceed twelve months after the issuance date of this permit whichever comes first. After 1000 tons of NO<sub>x</sub> have been emitted at the facility, the applicant shall calculate the NO<sub>x</sub> emissions at least weekly, to ensure that the facility does not exceed the 1200 TPY.

2. SNCR controls shall be installed and operational at the facility no later than twelve months after the issuance date of this permit modification.

3. The NO<sub>x</sub> emissions are limited to 1200 TPY in any consecutive twelve month period. Each day of operation, in a twelve consecutive month period, in excess of this 1200 tons limitation will constitute a separate violation.

4. After SNCR controls are installed and operational but not less than one year after the issuance date of this permit, the facility will be limited to allowable NO<sub>x</sub> emissions of 273.0 lbs/hr, 0.50 lbs/MMBtu and 1200 TPY.

5. The allowable SO<sub>2</sub> emissions for the facility are limited to 0.40 lb/MMBtu, 217.0 lb/hr and 250 TPY.

6. The allowable CO emissions are limited to 65.0 lb/hr and 170.0 TPY.

7. The allowable PM/PM<sub>10</sub> emissions are limited to 24.0 lb/hr, 105.0 TPY and 0.04 lb/MMBtu.

8. The allowable VOC emissions are limited to 38.0 lb/hr and 166.4 TPY.

9. The owner shall report emissions of NO<sub>x</sub> as determined by Continuous Emission Monitor (CEM) and calculated by 40 CFR 60.44b(b) to the local program (RESO) and the NE district office by the 15<sup>th</sup> of each month for the preceding month of operation until the SNCR is operational.

PERMITTEE:  
Jefferson-Smurfit Corp.

Permit Number: AC 16-234532  
Expiration Date: May 1, 1995

**SPECIFIC CONDITIONS:**

10. Only coal containing 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, respectfully, 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.

11. Within 30 days after issuance of this permit and again within 30 days after the SNCR becomes operational the applicant shall conduct stack tests, utilizing the methods prescribed in specific condition 12 to determine compliance with the emissions limiting standards for NO<sub>x</sub>, PM, VE, and SO<sub>2</sub>. Reports of these tests shall be provided to the RESD and the Department within 45 days after testing.

12. The following pollutant(s) shall be tested at intervals indicated.

<u>Pollutant</u>	<u>Interval</u>	<u>*Test Method</u>
Particulate Matter(PM)	12 Months	EPA Reference Method(RM) 5
Visible Emissions(VE)	12 Months	EPA RM 9
Sulfur Dioxide(SO <sub>2</sub> )	12 Months	EPA RM 6
Nitrogen Oxides(NO <sub>x</sub> )	12 Months	EPA RM 7/7A
Volatile Organic Compounds(VOC)	60 Months	EPA RM25/25A
Carbon Monoxide(CO)	Upon Request	EPA RM 3

\*As described in 40 CFR 60, Appendix A (July 1, 1988)

13. Permittee shall notify the NE District Office and the Local Program at least fifteen (15) days prior to source testing in accordance with Rule 17-297.340(1)(i), Florida Administrative Code (FAC).

14. Copies of the test report(s) shall be submitted to the NE District Office and the Local Program (RESD) within forty-five (45) days of completion of testing in accordance with Rule 17-297.570(2), FAC.

15. Testing of emissions shall be conducted with the source operating at permitted capacity. Permitted capacity is defined as 90-100 percent of the maximum operating rate allowed by the permit. If it is impracticable to test at permitted capacity, then sources may be tested at less than capacity; in this case subsequent source operation is limited to 110 percent of the test load until a new test is conducted. Once the unit is so limited, then operation at higher capacities is allowed for no more than 15 consecutive days for the purposes of additional compliance testing to regain the permitted capacity in the permit.



PERMITTEE:  
Jefferson-Smurfit Corp.

Permit Number: AC 16-234532  
Expiration Date: May 1, 1995

SPECIFIC CONDITIONS:

16. Any revision(s) to a permit (and application) shall be submitted and approved prior to implementing the change.
  17. Control equipment shall be provided with a method of access that is safe and readily accessible.
  18. Stack sampling facilities shall be required and shall comply with the requirements of Rule 17-297.345, FAC.
  19. Permittee shall submit an annual operation report to the NE District Office for this source on the form supplied for each calendar year on or before March 1 in accordance with Rule 17-210.900(4), FAC.
  20. This source may operate continuously, 8760 hours per year.
  21. Continuous monitoring equipment shall be installed, maintained, calibrated, and operated in accordance with 40 CFR 60.13, 40 CFR 60.45, and 40 CFR 60, Appendix B for the following pollutants:
    - (A) Sulfur dioxide
    - (B) Nitrogen oxides
    - (C) Oxygen
  22. Performance evaluation, calibration checks, and reports shall be performed and submitted in accordance with requirements set forth and/or referenced in 40 CFR 60.45(c), (e), and (f).
  23. Excess emission reports shall be submitted quarterly (January-March, April-June, July-September, October-December) on or before the 30th days following each quarter to the RESD and NE District Office [in accordance with 40 CFR 60.7(c)] for the following pollutants:
    - (A) Nitrogen oxides
    - (B) Sulfur dioxide
- Jefferson Smurfit Corporation shall maintain records of all measurements required by 40 CFR 60.7(d). These records shall be maintained, in a form suitable for inspection for a minimum period of two (2) years.
24. For the purpose of this permit, an excess emission is defined in accordance with 40 CFR 60.45(g).
  25. Jefferson Smurfit Corporation shall combust off-gases from the ~~brown steel~~ <sup>zack</sup> washer system (APIS No. 31-16-0003-09) and black liquor oxidation system (APIS No. 31-16-0003-08) in accordance with 40 CFR 60.283(a)(1)(iii). Jefferson Smurfit Corporation shall install, calibrate, and maintain a continuous combustion temperature monitoring device in accordance with 50.284(b)(1).

PERMITTEE:  
Jefferson-Smurfit Corp.

Permit Number: AC 16-234532  
Expiration Date: May 1, 1995

**SPECIFIC CONDITIONS:**

26. Jefferson Smurfit Corporation shall not operate Power Boiler No. 10 without the particulate matter and sulfur dioxide pollution control device operating properly.

27. Jefferson Smurfit Corporation shall maintain [in accordance with 40 CFR 60.7(b)] records of the duration and occurrence of startups, shutdowns, and malfunctions of Power Boiler No. 10 and associated air pollution control equipment, and any period during which a continuous monitoring system or monitoring device is inoperative. These records shall be provided to the Department's NE District Office and RESD upon request.

28. The minimum Venturi pressure drop shall be limited to 10.5 inches of water and the minimum Venturi water flow rate shall be limited to 400 gallons per minute of water. The Venturi pressure drop and flow rate of water shall be continuously recorded on strip charts and these records shall be maintained on file for a minimum of two (2) years.

29. For inventory purposes the net contemporaneous emissions change (actual allowable) are increased as follows:

NO <sub>x</sub>	36 TPY
PM/PM <sub>10</sub>	14.4 TPY
VOC	37.4 TPY

30. An application for an operation permit must be submitted to the Northeast District office and the AQD-RESD at least 90 days prior to the expiration date of this construction permit. To properly apply for an operation permit, the applicant shall submit the appropriate application form, fee, certification that construction was completed noting any deviations from the conditions in the construction permit, and compliance test reports as required by this permit (F.A.C. Rules 17-4.055 and 17-4.220).

Issued this \_\_\_\_\_ day  
of \_\_\_\_\_, 1994

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL PROTECTION

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Howard L. Rhodes  
Director  
Division of Air Resources  
Management