



# Florida Department of Environmental Regulation

Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400

Lawton Chiles, Governor

Carol M. Browner, Secretary

## STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION NOTICE OF PERMIT

Mr. Wayne Barlow  
V.P. & General Manager  
Container Corporation of America  
North 8th Street  
Fernandina Beach, Florida 32034

*Bob Williams  
picked up  
his copy  
Today*

June 5, 1991

Enclosed is construction permit AC 45-194149 for Container Corporation of America to establish federally enforceable permit conditions for the existing No. 5 Power Boiler at their facility in Fernandina Beach, Nassau County, Florida. This permit is issued pursuant to Section 403, Florida Statutes.

Any party to this permit has the right to seek judicial review of the permit pursuant to Section 120.68, Florida Statutes, by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400; and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed within 30 days from the date this permit is filed with the Clerk of the Department.

Executed in Tallahassee, Florida.

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL REGULATION

*Bruce's  
Copy*

*Barry D. Anderson*  
\_\_\_\_\_  
C. H. Fancy, P.E.

Chief  
Bureau of Air Regulation

CHF/bm

Enclosure

Copy furnished to:

A. Kutyna, NE District  
D. Buff, P.E., KBN

B. Williams, JSC  
R. Hagan, CCA

CERTIFICATE OF SERVICE

The undersigned duly designated deputy clerk hereby certifies that this NOTICE OF PERMIT and all copies were mailed before the close of buisness on June 5, 1991.

FILING AND ACKNOWLEDGEMENT  
FILED, on this date, pursuant to  
§120.52(9), Florida Statutes, with  
the designated Department Clerk,  
receipt of which is hereby  
acknowledged.

Melby Rogers  
Clerk

6-5-91  
Date

Final Determination

Container Corporation of America  
Nassau County  
Fernandina Beach, Florida

Construction Permit Number:

AC 45-194149

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

June 3, 1991

## Final Determination

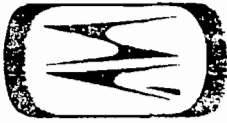
The Technical Evaluation and Preliminary Determination (TE&PD) for the construction permit to establish federally enforceable permit conditions for the No. 5 Power Boiler at Container Corporation of America's (CCA) facility in Fernandina Beach, Nassau County, Florida, was distributed on May 6, 1991. The Notice of Intent to Issue was published in the Fernandina Beach News-Leader on May 8, 1991. Copies of the TE&PD were available for public inspection at the Department's Northeast District office and Bureau of Air Regulation office.

A comment was received from Mr. Roger P. Hagan (CCA) on May 23, 1991, regarding Specific Condition No. 17 and a clarification of its intent. Mr. Hagan's assessment is correct, while Specific Condition No. 17 requires that CCA log the "clock time" operations of the No. 5 Power Boiler while on 100% fuel oil, Specific Condition No. 9 requires compliance with F.A.C. Rule 17-2.250, Excess Emissions, which includes the provisions of start-up, shutdown, and malfunction. The clarification does not result in any change to the TE&PD or proposed permit.

Attachment to be Incorporated:

4. Mr. Roger P. Hagan's letter received May 23, 1991.

The final action of the Department will be to issue the construction permit, No. AC 45-194149, as proposed and with the above attachment incorporated.



CONTAINER CORPORATION OF AMERICA

AN AFFILIATE OF JEFFERSON SMURFIT CORPORATION

Mill Division  
NORTH 8TH STREET  
P.O. BOX 2000  
FERNANDINA BEACH, FL 32034  
TELEPHONE 904/261-5551

VIA - FEDERAL EXPRESS

May 13, 1991

Mr. C. H. Fancy, P.E.  
Chief, Bureau of Air Regulation  
Florida Department of Environmental Regulation  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Subject: Permit Number AC45-194149

Dear Mr. Fancy:

Enclose please find proof of publication of the Intent to Issue the referenced permit. Please contact Roger Hagan at (904) 277-5808 with any questions or comments.

Sincerely,

A handwritten signature in cursive script that reads "Roger P. Hagan".

Roger P. Hagan  
Technical Director

RPH/sl

Enclosure

cc: Mr. Barry Andrews - FDER, Tallahassee  
W. Barlow  
R. Cobb  
B. Williams  
File

*B. Mitchell*  
*G. Rutynski, WF D. O. S.*

# News-Leader

511 Ash Street/P.O. Box 766 (904) 261-3696  
Fernandina Beach, Florida 32034

Published Weekly

FERNANDINA BEACH, NASSAU COUNTY, FLORIDA

## STATE OF FLORIDA COUNTY OF NASSAU:

Before the undersigned authority personally appeared Steve Hopper, Publisher who on oath says that he is Business Manager of The Fernandina Beach News-Leader, a weekly newspaper published at Fernandina Beach in Nassau County, Florida; that the attached copy of advertisement, being a Legal Notice in the matter of

## STATE OF FLORIDA D.E.R. Notice of Intent to Issue Permit to Container Corporation of America

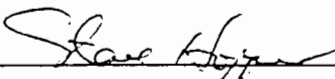
published in said newspaper in the issues of  
5-08-91

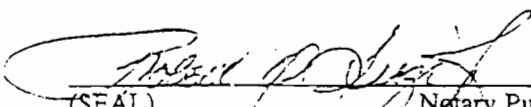
N.L. Ref. # 3668

Affiant further says that the said Fernandina Beach News-Leader is a newspaper published at Fernandina Beach in said Nassau County, Florida and that the said newspaper has heretofore been continuously published in said Nassau County, Florida, each week and has been entered as second class mail matter at the post office in Fernandina Beach in said County, Florida, for a period of one year next preceding the first publication of the attached copy of advertisement; and affiant further says that he/she has neither paid nor promised any person, firm or corporation any discount, rebate, commission or refund for the purpose of securing this advertisement for publication in the said newspaper.

Sworn to and subscribed before me

this 9th day of MAY, A.D. 1991.

  
\_\_\_\_\_

  
\_\_\_\_\_  
(SEAL) Notary Public

NOTARY PUBLIC, STATE OF FLORIDA  
My commission expires April 28, 1992

### STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION NOTICE OF INTENT TO ISSUE PERMIT

The Department of Environmental Regulation hereby gives notice of its intent to issue a permit to Container Corporation of America, North 8th Street, Fernandina Beach, Nassau County, Florida 32034, to establish federally enforceable permit conditions for the existing No. 5 Power Boiler in accordance with the recently issued construction permits and final determination, AC45-190382 & 190383 and PSD-FL-165. The boiler will be permitted to fire a combination of wood-waste/bark and No. 6 fuel oil (maximum of 2.5% sulfur content, by weight) or 100% No. 6 fuel oil. A determination of Best Available Control Technology (BACT) was not required. The Department is issuing this intent to issue for the reasons stated in the Revised 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.

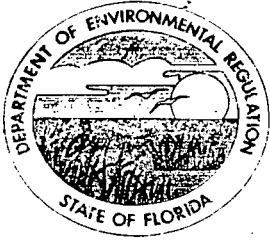
If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this notice. Persons whose substantial interests will be affected by any decision of the Department with regard 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 receipt of this notice in the Office of General Counsel of 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 28-6.207, 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 Regulation  
Bureau of Air Regulation  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Department of Environmental Regulation  
Northeast District  
7825 Baymeadows Way  
Jacksonville, Florida 32356-7577

Any person may send written comments on the proposed action to Mr. Barry Andrews at the Department's Tallahassee address. All comments mailed within 14 days of the publication of this notice will be considered in the Department's final determination.  
If 5-08-91  
3668



# Florida Department of Environmental Regulation

Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400

Lawton Chiles, Governor

Carol M. Browner, Secretary

**PERMITTEE:**  
Container Corporation of  
America  
North 8th Street  
Fernandina Beach, Fl 32034

**Permit Number:** AC 45-194149  
**Expiration Date:** May 31, 1992  
**County:** Nassau  
**Latitude/Longitude:** 30°40'53"N  
81°27'26"W  
**Project:** No. 5 Power Boiler

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code (F.A.C.) Chapters 17-2 and 17-4 and 40 CFR (July, 1990 version). 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 made a part hereof and specifically described as follows:

For the permitting of the existing No. 5 Power Boiler (PB) to establish federally enforceable permit conditions in accordance with the recently issued construction permits and final determination, AC 45-190382 and -190383 and PSD-FL-165. The No. 5 PB is permitted to fire a combination of woodwaste/bark and No. 6 fuel oil or 100% No. 6 fuel oil. The maximum sulfur content of the No. 6 fuel oil is 2.5%, by weight. An existing electrostatic precipitator system is used to control emissions of particulate matter (PM & PM10) and visible emissions. The UTM coordinates of the existing facility are Zone 17, 456.2 km East and 3394.1 km North.

The Standard Industrial Code is: Industry No. 2621-Paper Mills.

The Standard Classification Codes are:

- o External Combustion Boilers: 1-02-004-01 10<sup>3</sup> gals burned  
No. 6 Fuel Oil
- o External Combustion Boilers 1-02-009-02 tons burned  
Wood/Bark Waste

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

Attachments to be Incorporated:

1. Application to Construct/Modify Air Pollution Sources, DER Form 17-1.202(1), received March 22, 1991.
2. Technical Evaluation and Preliminary Determination dated April 8, 1991.
3. Revised Technical Evaluation and Preliminary Determination dated May 6, 1991.
4. Mr. Roger P. Hagan's letter received May 23, 1991.

**PERMITTEE:**  
CCA

**Permit Number: AC 45-194149**  
**Expiration Date: May 31, 1992**

**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 acknowledgement 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:  
CCA  
GENERAL CONDITIONS:

Permit Number: AC 45-194149  
Expiration Date: May 31, 1992

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 proscribed 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,

PERMITTEE:

CCA

GENERAL CONDITIONS:

Permit Number: AC 45-194149

Expiration Date: May 31, 1992

provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.

11. This permit is transferable only upon Department approval in accordance with Florida Administrative Code Rules 17-4.120 and 17-30.300, 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. 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.

14. 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.



PERMITTEE:  
CCA  
SPECIFIC CONDITIONS:

Permit Number: AC 45-194149  
Expiration Date: May 31, 1992

8. For PSD purposes, the projected potential pollutant emissions are:

o PM10	91.2 lbs/hr	402.5 TPY	67% of PM
o NOx	258.0 lbs/hr;	1,130.0 TPY	No. 6 fuel oil
	150.5 lbs/hr;	659.7 TPY	woodwaste/bark
o CO	19.3 lbs/hr;	84.5 TPY	No. 6 fuel oil
	274.2 lbs/hr;	1,201.0 TPY	woodwaste/bark
o VOC	2.9 lbs/hr;	12.7 TPY	No. 6 fuel oil
	75.3 lbs/hr;	329.8 TPY	woodwaste/bark
o Pb	0.0051 lb/hr;	0.022 TPY	No. 6 fuel oil
	0.0530 lb/hr;	0.232 TPY	woodwaste/bark
o Hg	0.0014 lb/hr;	0.006 TPY	No. 6 fuel oil
o Be	0.0003 lb/hr;	0.001 TPY	No. 6 fuel oil
	0.0011 lb/hr;	0.005 TPY	woodwaste/bark
o As	0.0013 lb/hr;	0.006 TPY	No. 6 fuel oil
	0.0131 lb/hr;	0.057 TPY	woodwaste/bark
o Fl	0.0036 lb/hr;	0.016 TPY	No. 6 fuel oil
o H <sub>2</sub> SO <sub>4</sub>	69.4 lbs/hr;	304.0 TPY	No. 6 fuel oil

Based on the following:

- o No. 6 fuel oil: 3,850 gals/hr maximum  
573.4 MMBtu/hr of heat input maximum  
2.5 % sulfur content, by weight, maximum
- o woodwaste/bark 53.8 TPH maximum  
457.0 MMBtu/hr of heat input

9. The permittee is subject to the applicable provisions of F.A.C. Rules 17-4.130: Plant Operation-Problems; 17-2.240: Circumvention; and, 17-2.250: Excess Emissions.

10. Objectionable odors shall not be allowed off plant property in accordance with F.A.C. Rule 17-2.620(2).

11. The Department's Northeast District office shall be notified in writing at least 15 days prior to source testing pursuant to F.A.C. Rule 17-2.700(2). Written reports of the tests shall be submitted to the Department's Northeast District office within 45 days of the test completion in accordance with F.A.C. Rule 17-2.700(7).

12. Any change in the method of operation, raw materials, equipment, operating hours, etc., pursuant to F.A.C. Rule 17-2.100, Modification, the permittee shall submit an application and the appropriate processing fee to the Department's Bureau of Air Regulation (BAR) office.

13. An annual operation report shall be submitted to the Department's Northeast District office by March 1 of each calendar year reporting the previous year's total usage of No. 6 fuel oil and documenting the sulfur % content, by weight.

PERMITTEE:  
CCA  
SPECIFIC CONDITIONS:

Permit Number: AC 45-194149  
Expiration Date: May 31, 1992

14. A fuel flow meter having a hard copy output shall be installed and calibrated on the fuel line supplying the No. 6 fuel oil to the No. 5 Power Boiler. A record shall be kept on file for at least a two year period.

15. Based on air dispersion modeling evaluations on increment consumption and air quality standards, the stack shall be raised from its current height (227 feet) to 257 feet above grade.

16. A continuous emissions monitor (CEM) shall be used to evaluate and record the opacity of the stack flue gas. The CEM shall be properly calibrated, operated and maintained in accordance with F.A.C. Rule 17-2.710.

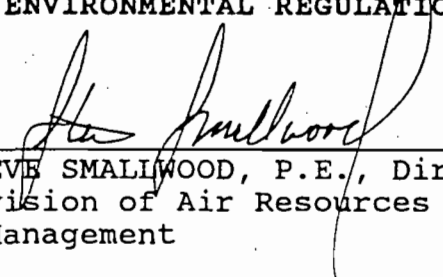
17. The Department's Northeast District office shall be notified when the boiler is switched to operating at 100% No. 6 fuel oil; and, a log book shall be maintained recording, at a minimum, the date(s) and the beginning and ending "clock time(s)" of operation while firing 100% No. 6 fuel oil.

18. The permittee, for good cause, may request that this construction permit be extended. Such a request shall be submitted to the Department's BAR prior to 60 days before the expiration date of the permit (F.A.C. Rule 17-4.090).

19. An application for an operation permit must be submitted to the Department's Northeast District office 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 4<sup>th</sup> day  
of June, 1991

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL REGULATION

  
STEVE SMALLWOOD, P.E., Director  
Division of Air Resources  
Management

ATTACHMENT 4



CONTAINER CORPORATION OF AMERICA  
RECEIVED

AN AFFILIATE OF JEFFERSON SMURFIT CORPORATION

MAY 23 1991

Division of Air  
Resources Management

Mill Division  
NORTH 8TH STREET  
P.O. BOX 2000  
FERNANDINA BEACH, FL 32034  
TELEPHONE 904/261-5551

May 14, 1991

Mr. Clair Fancy, P.E.  
Chief, Bureau of Air Regulation  
Florida Department of Environmental Regulation  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Re: Intent To Issue  
Permit No. AC45-194149

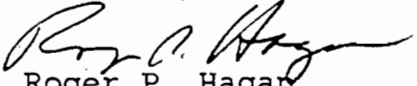
Dear Mr. Fancy:

This letter is to comment on the referenced construction permit. Container Corporation of America would like to thank you and your staff, most notably Mr. Bruce Mitchell and Mr. Barry Andrews, for their time and diligence in preparing this permit.

The revised permit appears to be satisfactory as written. There is one clarification which we would like to express. That is in Specific Condition No. 17, there are some requirements for when the No. 5 Power Boiler is operating "at 100% No. 6 fuel oil". The purpose of this requirement, as we understand it, is to provide for the possibility that the boiler may be operated on fuel oil alone for reasons other than start-up, shutdown or malfunction, during which time it would be subject to the appropriate provisions of FAC and CFR relating to fossil fuel burning boilers. We therefore assume that these requirements are in effect only during those times in which the boiler is operating on 100% fuel oil for reasons other than start-up, shutdown, or malfunction.

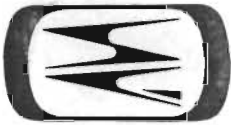
Again, we appreciate the assistance and cooperation of the Department in processing this permit.

Sincerely,

  
Roger P. Hagan  
Technical Department

cc: Mr. Bruce Mitchell - FDER, Tallahassee  
Mr. Barry Andrews - FDER, Tallahassee

bcc: W. Barlow  
R. Cobb - Clayton  
B. Williams



CONTAINER CORPORATION OF AMERICA  
RECEIVED

AN AFFILIATE OF JEFFERSON SMURFIT CORPORATION

MAY 23 1991

Division of Air  
Resources Management

Mill Division  
NORTH 8TH STREET  
P.O. BOX 2000  
FERNANDINA BEACH, FL 32034  
TELEPHONE: 904/261-5551

May 14, 1991

Mr. Clair Fancy, P.E.  
Chief, Bureau of Air Regulation  
Florida Department of Environmental Regulation  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Re: Intent To Issue  
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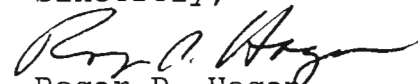
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Again, we appreciate the assistance and cooperation of the Department in processing this permit.

Sincerely,

  
Roger P. Hagan  
Technical Department

cc: Mr. Bruce Mitchell - FDER, Tallahassee  
Mr. Barry Andrews - FDER, Tallahassee

bcc: W. Barlow  
R. Cobb - Clayton  
B. Williams





CONTAINER CORPORATION OF AMERICA

AN AFFILIATE OF JEFFERSON SMURFIT CORPORATION

**Mill Division**  
NORTH 8TH STREET  
P.O. BOX 2000  
FERNANDINA BEACH, FL 32034  
TELEPHONE: 904/261-5551

VIA - FEDERAL EXPRESS

May 13, 1991

Mr. C. H. Fancy, P.E.  
Chief, Bureau of Air Regulation  
Florida Department of Environmental Regulation  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Subject: Permit Number AC45-194149

Dear Mr. Fancy:

Enclose please find proof of publication of the Intent to Issue the referenced permit. Please contact Roger Hagan at (904) 277-5808 with any questions or comments.

Sincerely,

A handwritten signature in cursive script that reads "Roger P. Hagan".

Roger P. Hagan  
Technical Director

RPH/sl

Enclosure

cc: Mr. Barry Andrews - FDER, Tallahassee  
W. Barlow  
R. Cobb  
B. Williams  
File

*B. Mitchell*  
*G. Kutynski, NFR/State*

# News-Leader

511 Ash Street/P.O. Box 766 (904) 261-3696  
Fernandina Beach, Florida 32034

Published Weekly

FERNANDINA BEACH, NASSAU COUNTY, FLORIDA

STATE OF FLORIDA  
COUNTY OF NASSAU:

Before the undersigned authority personally appeared Steve Hopper, Publisher who on oath says that he is Business Manager of The Fernandina Beach News-Leader, a weekly newspaper published at Fernandina Beach in Nassau County, Florida: that the attached copy of advertisement, being a Legal Notice in the matter of

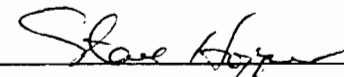
STATE OF FLORIDA D.E.R.  
Notice of Intent to Issue Permit  
to Container Corporation of America

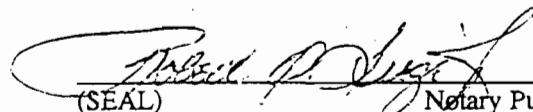
published in said newspaper in the issues of  
5-08-91  
N.L. Ref. # 3668

Affiant further says that the said Fernandina Beach News-Leader is a newspaper published at Fernandina Beach in said Nassau County, Florida and that the said newspaper has heretofore been continuously published in said Nassau County, Florida, each week and has been entered as second class mail matter at the post office in Fernandina Beach in said County, Florida, for a period of one year next preceding the first publication of the attached copy of advertisement; and affiant further says that he/she has neither paid nor promised any person, firm or corporation any discount, rebate, commission or refund for the purpose of securing this advertisement for publication in the said newspaper.

Sworn to and subscribed before me

this 9th day of MAY, A.D. 1991.

  
\_\_\_\_\_

  
\_\_\_\_\_  
(SEAL) Notary Public

NOTARY PUBLIC, STATE OF FLORIDA  
My commission expires April 28, 1992

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

The Department of Environmental Regulation hereby gives notice of its intent to issue a permit to Container Corporation of America, North 8th Street, Fernandina Beach, Nassau County, Florida 32034, to establish federally enforceable permit conditions for the existing No. 5 Power Boiler in accordance with the recently issued construction permits and final determination, AC45-190382 & 190383 and IPSD-FL-165. The boiler will be permitted to fire a combination of wood-waste/bark and No. 6 fuel oil (maximum of 2.5% sulfur content, by weight) or 100% No. 6 fuel oil. A determination of Best Available Control Technology (BACT) was not required. The Department is issuing this intent to issue for the reasons stated in the Revised 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 rights 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 receipt 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 28-6.207, 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  
Regulation  
Bureau of Air Regulation  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Department of Environmental  
Regulation  
Northeast District  
7825 Baymeadows Way  
Jacksonville, Florida 32256-7577

Any person may send written comments on the proposed action to Mr. Barry Andrews of the Department's Tallahassee address. All comments mailed within 14 days of the publication of this notice will be considered in the Department's final determination.  
If 5-08-91  
3668



# Florida Department of Environmental Regulation

Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400

Lawton Chiles, Governor

Carol M. Browner, Secretary

May 6, 1991

CERTIFIED MAIL-RETURN RECEIPT REQUESTED

Mr. Wayne Barlow  
V.P. & General Manager  
Container Corporation of America  
North 8th Street  
Fernandina Beach, Florida 32034

Mr. Barlow:

Attached is one copy of the revised Technical Evaluation and Preliminary Determination and proposed construction permit to establish federally enforceable permit conditions for the existing No. 5 Power Boiler in accordance with the recently issued construction permits and final determination, AC 45-190382 & -190383 and PSD-FL-165. The revision addresses the firing of No. 6 fuel oil at 100% in the boiler, the applicable emission standards, and any monitoring and recording requirements.

Please submit any written comments you wish to have considered concerning the Department's proposed action to Mr. Barry Andrews of the Bureau of Air Regulation.

Sincerely,

*for* C. H. Fancy, P.E.  
Chief

Bureau of Air Regulation

CHF/BM/rbm

Attachments

c: A. Kutyna, NE District  
D. A. Buff, P.E., KBN

BEFORE THE STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

In the Matter of  
Application for Permit by:

Container Corporation of America  
North 8th Street  
Fernandina Beach, Florida 32034

DER File No. AC 45-194149

---

INTENT TO ISSUE

The Department of Environmental Regulation hereby gives notice of its intent to issue an air construction permit (copy attached) for the proposed project as detailed in the application specified above. The Department is issuing this Intent to Issue for the reasons stated in the attached Revised Technical Evaluation and Preliminary Determination.

The applicant, Container Corporation of America, applied on March 22, 1991, to the Department of Environmental Regulation for a permit to establish federally enforceable permit conditions for the No. 5 Power Boiler in accordance with the recently issued construction permits and final determination, AC 45-190382 & -190383 and PSD-FL-165. The boiler will be permitted to fire a combination of woodwaste/bark and No. 6 fuel oil (maximum of 2.5% sulfur content, by weight) or 100% No. 6 fuel oil.

The Department has permitting jurisdiction under Chapter 403, Florida Statutes, and Florida Administrative Code Chapters 17-2 and 17-4. The project is not exempt from permitting procedures. The Department has determined that an air construction permit is required for the proposed work.

Pursuant to Section 403.815, F.S. and DER 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, at the address specified 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 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 notice. Persons whose substantial interests will be affected by any decision of the Department with regard to the application(s) 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 in 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 REGULATION

*for* Barry D. Andrew  
C. H. Fancy, P.E.  
Chief  
Bureau of Air Regulation

Copies furnished to:

A. Kutyna, NE District  
D. A. Buff, P.E., KBN

CERTIFICATE OF SERVICE

The undersigned duly designated deputy clerk hereby certifies that this NOTICE OF INTENT TO ISSUE and all copies were mailed before the close of business on 5-6-91.

FILING AND ACKNOWLEDGEMENT  
FILED, on this date, pursuant to §120.52(9), Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

Martha Jane Wise  
Clerk

5-6-91  
Date

State of Florida  
Department of Environmental Regulation  
Notice of Intent to Issue

The Department of Environmental Regulation hereby gives notice of its intent to issue a construction permit to Container Corporation of America, North 8th Street, Fernandina Beach, Nassau County, Florida 32034, to establish federally enforceable permit conditions for the existing No. 5 Power Boiler in accordance with the recently issued construction permits and final determination, AC 45-190382 & -190383 and PSD-FL-165. The boiler will be permitted to fire a combination of woodwaste/bark and No. 6 fuel oil (maximum of 2.5% sulfur content, by weight) or 100% No. 6 fuel oil. A determination of Best Available Control Technology (BACT) was not required. The Department is issuing this Intent to Issue for the reasons stated in the Revised 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 fourteen (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 business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at:

Department of Environmental Regulation  
Bureau of Air Regulation  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Department of Environmental Regulation  
Northeast District  
7825 Baymeadows Way  
Jacksonville, Florida 32256-7577

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



Revised  
Technical Evaluation  
and  
Preliminary Determination

Container Corporation of America  
Nassau County  
Fernandina Beach, Florida

Construction Permit Number  
AC45-194149

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

May 6, 1991

## I. Application

### A. Applicant

Container Corporation of America  
North 8th Street  
Fernandina Beach, Florida 32034

### B. Project and Location

Container Corporation of America (CCA) submitted an application package for a construction permit to establish federally enforceable permit conditions for the existing No. 5 Power Boiler in accordance with the recently issued construction permits and final determination, AC 45-190382 & -190383 and PSD-FL-165. The boiler will be permitted to fire a combination of woodwaste/bark and No. 6 fuel oil (maximum of 2.5% sulfur content, by weight) or 100% No. 6 fuel oil. The project will occur at CCA's facility/mill located in Nassau County.

The UTM coordinates are Zone 17, 456.2 km East and 3,394.1 km North.

### C. Source Description and Controls

The No. 5 Power Boiler (PB) is a steam generating power boiler that will be permitted to fire a combination of woodwaste/bark and No. 6 fuel oil (maximum of 2.5% sulfur content, by weight) or 100% No. 6 fuel oil. The maximum heat input rate for the No. 6 fuel oil will be 573.4 MMBtu/hr and based on a maximum permitted firing rate of 3850 gals/hr (92,400 gals/day: midnight to midnight).

The pollutant emissions of particulate matter (PM/PM10) and visible emissions (VE) are controlled by an electrostatic precipitator (ESP). The ESP has an efficiency of +99% for PM having a size range of 10 microns (PM10) and larger. The ESP fly ash collected is landfilled. The boiler's bottom ash is sent to the wastewater treatment plant. The boiler will have an opacity CEM (continuous emission monitor) for monitoring visible emissions in the stack.

### D. The Source Classification Code are:

- o External Combustion Boilers: 1-02-004-01 10<sup>3</sup> gals burned  
No. 6 Fuel Oil
- o External Combustion Boilers: 1-02-009-02 tons burned  
Wood/Bark Waste

## II. Rule Applicability

The proposed project is subject to preconstruction review under the provisions of Chapter 403, Florida Statutes, Florida Administrative Code (F.A.C.) Chapters 17-2 and 17-4, and 40 CFR (July, 1990 version).

The application package was deemed complete on March 22, 1991.

The facility is located in an area designated as attainment for all criteria pollutants pursuant to Part IV, F.A.C. Chapter 17-2.

The facility is a major emitting facility for the pollutants of PM, PM<sub>10</sub>, SO<sub>2</sub> (sulfur dioxide), NO<sub>x</sub> (nitrogen oxides), CO (carbon monoxide), VOC (volatile organic compounds), and TRS (total reduced sulfur) in accordance with F.A.C. Rule 17-2.100, Definitions.

Since there are no increases in actual/potential pollutant emissions associated with this project, then the pollutant emissions are subject to review in accordance with F.A.C. Rule 17-2.520, Sources Not Subject to Prevention of Significant Deterioration (PSD) or Nonattainment Requirements. The potential pollutant emissions from the No. 5 PB have already been evaluated in a recent preliminary evaluation for construction permits and final determination (AC 45-190382 & -190383 and PSD-FL-165) in accordance with F.A.C. Rule 17-2.500(5), new source review for PSD. Based on the evaluation, the following requirements were established:

- o raise the current stack to a height of 257 feet above grade;
- o limit the No. 6 fuel oil to a maximum sulfur content of 2.5%, by weight; and,
- o limit the firing rate of No. 6 fuel oil to a maximum of 3,850 gals/hr (92,400 gals/day: midnight to midnight)

The No. 5 PB is subject to the applicable provisions of F.A.C. Rules 17-2.240: Circumvention; 17-2.250: Excess Emissions; 17-2.620: General Pollutant Emission Limiting Standards; 17-2.600(5)(a): Fossil Fuel Steam Generators with more than 250 million Btu per Hour Heat Input-Existing Sources; 17-2.600(10): Carbonaceous Fuel Burning Equipment; 17-2.700: Stationary Point Source Emission Test Procedures; and, 17-2.710: Continuous Emission Monitoring Requirements. All applicable provisions of the 40 CFR shall be in accordance with the July, 1990 version.

A continuous emissions monitor (CEM) for opacity shall be properly calibrated, operated and maintained in accordance with F.A.C. Rule 17-2.710. When the boiler is switched to firing 100% No. 6 fuel oil, the Department's Northeast District office shall be notified. A log book shall be maintained recording, at a minimum, the date(s) and the beginning and ending "clock time(s)" of operation while firing 100% No. 6 fuel oil.

### III. Emission Limitations and Air Quality Analysis

#### A. Emission Limitations

The air pollutant emissions regulated from the No. 5 PB are PM and SO<sub>2</sub>. The No. 5 PB is also subject to VE standards, depending on the fuel fired. The emission limitations are:

- o PM: 137.1 lbs/hr; 598.9 TPY
  - o carbonaceous fuel: 0.3 lbs/MMBtu of heat input
  - o fossil fuel: 0.1 lbs/MMBtu of heat input
- o SO<sub>2</sub>: 1,511.1 lbs/hr; 6,618.6 TPY
- o VE:
  - o carbonaceous fuel:  $\leq$  30% opacity, except  $\leq$  40% for  $\leq$  2 minutes in any 1 hour
  - o fossil fuel:  $\leq$  20% opacity, except  $\leq$  40% opacity for one 2-minute period per hour

#### B. Air Quality Analysis

Since the pollutant emissions have already been evaluated in the recently issued construction permits and final determination, AC 45-190382 & -190383 and PSD-FL-165, an air quality analysis was not required.

### IV. Conclusion

Based on the information provided by CCA, the Department has reasonable assurance that the proposed project, to acquire a construction permit for the purpose of establishing federally enforceable permit conditions for the No. 5 Power Boiler, 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 17-2 of the Florida Administrative Code.

*Barry D. Anderson*  
# 36024  
5-6-91



# Florida Department of Environmental Regulation

Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400

Lawton Chiles, Governor

Carol M. Browner, Secretary

**PERMITTEE:**  
Container Corporation of  
America  
North 8th Street  
Fernandina Beach, Fl 32034

**Permit Number:** AC 45-194149  
**Expiration Date:** May 31, 1992  
**County:** Nassau  
**Latitude/Longitude:** 30°40'53"N  
81°27'26"W  
**Project:** No. 5 Power Boiler

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code (F.A.C.) Chapters 17-2 and 17-4 and 40 CFR (July, 1990 version). 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 made a part hereof and specifically described as follows:

For the permitting of the existing No. 5 Power Boiler (PB) to establish federally enforceable permit conditions in accordance with the recently issued construction permits and final determination, AC 45-190382 and -190383 and PSD-FL-165. The No. 5 PB is permitted to fire a combination of woodwaste/bark and No. 6 fuel oil or 100% No. 6 fuel oil. The maximum sulfur content of the No. 6 fuel oil is 2.5%, by weight. An existing electrostatic precipitator system is used to control emissions of particulate matter (PM & PM10) and visible emissions. The UTM coordinates of the existing facility are Zone 17, 456.2 km East and 3394.1 km North.

The Standard Industrial Code is: Industry No. 2621-Paper Mills.

The Standard Classification Codes are:

- o External Combustion Boilers: 1-02-004-01 10<sup>3</sup> gals burned  
No. 6 Fuel Oil
- o External Combustion Boilers 1-02-009-02 tons burned  
Wood/Bark Waste

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

Attachments to be Incorporated:

1. Application to Construct/Modify Air Pollution Sources, DER Form 17-1.202(1), received March 22, 1991.
2. Technical Evaluation and Preliminary Determination dated April 8, 1991.
3. Revised Technical Evaluation and Preliminary Determination dated May 6, 1991.

**PERMITTEE:**  
**CCA**

**Permit Number: AC 45-194149**  
**Expiration Date: May 31, 1992**

**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 acknowledgement 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:**

**Permit Number: AC 45-194149**

**CCA**

**Expiration Date: May 31, 1992**

**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 proscribed 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,

**PERMITTEE:**

**Permit Number: AC 45-194149**

**CCA**

**Expiration Date: May 31, 1992**

**GENERAL CONDITIONS:**

provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.

11. This permit is transferable only upon Department approval in accordance with Florida Administrative Code Rules 17-4.120 and 17-30.300, 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. 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.

14. 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.



**PERMITTEE:**

CCA

**SPECIFIC CONDITIONS:**

**Permit Number: AC 45-194149**

**Expiration Date: May 31, 1992**

1. The No. 5 Power Boiler may operate continuously (i.e., 8760 hrs/yr).

2. The permitted fuels and their maximum utilization rates, heat inputs, and maximum % sulfur (S) content (by weight), are:

- o No. 6 fuel oil 3,850 gals/hr (573.4 MMBtu/hr) 2.5% S  
92,400 gals/day (midnight to midnight)
- o woodwaste/bark 53.8 TPH (457.0 MMBtu/hr)

3. The No. 5 Power Boiler's pollutant emissions shall not exceed:

- a) SO<sub>2</sub>: 1,511.1 lbs/hr; 6,618.6 TPY
- b) PM: 137.1 lbs/hr; 598.9 TPY
  - o carbonaceous fuel: 0.3 lbs/MMBtu of heat input
  - o fossil fuel: 0.1 lbs/MMBtu of heat input
- c) VE:
  - o carbonaceous fuel: ≤ 30% opacity, except ≤ 40% for ≤ 2 minutes in any 1 hour
  - o fossil fuel: ≤ 20% opacity, except ≤ 40% opacity for one 2-minute period per hour

Note: Fly ash is controlled by an electrostatic precipitator (ESP).

4. The initial and subsequent annual compliance tests for PM, visible emissions, and SO<sub>2</sub> shall be conducted using the following test methods in accordance with F.A.C. Rule 17-2.700 and 40 CFR 60, Appendix A (July, 1990 version):

- a) EPA Method 5, Determination of Particulate Emissions from Stationary Sources.
- b) EPA Method 9, Visual Determination of the Opacity of Emissions from Stationary Sources.
- c) EPA Method 6, Determination of Sulfur Dioxide Emissions from Stationary Sources.

5. The sulfur content of the No. 6 fuel oil shall be verified using ASTM D1552-83, Standard Test Method for Sulfur in Petroleum Products (High Temperature Method); and, the lab analysis data sheet, which is provided by the fuel oil vendor upon delivery, shall be kept on record for at least two years.

6. Other test methods may be used only after prior Department approval has been granted in writing in accordance with F.A.C. Rule 17-2.700(3).

7. The permittee shall comply with all applicable provisions of F.A.C. Chapters 17-2 and 17-4 and 40 CFR (July, 1990 version).

PERMITTEE:

CCA

SPECIFIC CONDITIONS:

Permit Number: AC 45-194149

Expiration Date: May 31, 1992

8. For PSD purposes, the projected potential pollutant emissions are:

o PM10	91.2 lbs/hr	402.5 TPY	67% of PM
o NOx	258.0 lbs/hr;	1,130.0 TPY	No. 6 fuel oil
	150.5 lbs/hr;	659.7 TPY	woodwaste/bark
o CO	19.3 lbs/hr;	84.5 TPY	No. 6 fuel oil
	274.2 lbs/hr;	1,201.0 TPY	woodwaste/bark
o VOC	2.9 lbs/hr;	12.7 TPY	No. 6 fuel oil
	75.3 lbs/hr;	329.8 TPY	woodwaste/bark
o Pb	0.0051 lb/hr;	0.022 TPY	No. 6 fuel oil
	0.0530 lb/hr;	0.232 TPY	woodwaste/bark
o Hg	0.0014 lb/hr;	0.006 TPY	No. 6 fuel oil
o Be	0.0003 lb/hr;	0.001 TPY	No. 6 fuel oil
	0.0011 lb/hr;	0.005 TPY	woodwaste/bark
o As	0.0013 lb/hr;	0.006 TPY	No. 6 fuel oil
	0.0131 lb/hr;	0.057 TPY	woodwaste/bark
o Fl	0.0036 lb/hr;	0.016 TPY	No. 6 fuel oil
o H <sub>2</sub> SO <sub>4</sub>	69.4 lbs/hr;	304.0 TPY	No. 6 fuel oil

Based on the following:

- o No. 6 fuel oil: 3,850 gals/hr maximum  
573.4 MMBtu/hr of heat input maximum  
2.5 % sulfur content, by weight, maximum
- o woodwaste/bark 53.8 TPH maximum  
457.0 MMBtu/hr of heat input

9. The permittee is subject to the applicable provisions of F.A.C. Rules 17-4.130: Plant Operation-Problems; 17-2.240: Circumvention; and, 17-2.250: Excess Emissions.

10. Objectionable odors shall not be allowed off plant property in accordance with F.A.C. Rule 17-2.620(2).

11. The Department's Northeast District office shall be notified in writing at least 15 days prior to source testing pursuant to F.A.C. Rule 17-2.700(2). Written reports of the tests shall be submitted to the Department's Northeast District office within 45 days of the test completion in accordance with F.A.C. Rule 17-2.700(7).

12. Any change in the method of operation, raw materials, equipment, operating hours, etc., pursuant to F.A.C. Rule 17-2.100, Modification, the permittee shall submit an application and the appropriate processing fee to the Department's Bureau of Air Regulation (BAR) office.

13. An annual operation report shall be submitted to the Department's Northeast District office by March 1 of each calendar year reporting the previous year's total usage of No. 6 fuel oil and documenting the sulfur % content, by weight.

PERMITTEE:

Permit Number: AC 45-194149

CCA

Expiration Date: May 31, 1992

SPECIFIC CONDITIONS:

14. A fuel flow meter having a hard copy output shall be installed and calibrated on the fuel line supplying the No. 6 fuel oil to the No. 5 Power Boiler. A record shall be kept on file for at least a two year period.

15. Based on air dispersion modeling evaluations on increment consumption and air quality standards, the stack shall be raised from its current height (227 feet) to 257 feet above grade.

16. A continuous emissions monitor (CEM) shall be used to evaluate and record the opacity of the stack flue gas. The CEM shall be properly calibrated, operated and maintained in accordance with F.A.C. Rule 17-2.710.

17. The Department's Northeast District office shall be notified when the boiler is switched to operating at 100% No. 6 fuel oil; and, a log book shall be maintained recording, at a minimum, the date(s) and the beginning and ending "clock time(s)" of operation while firing 100% No. 6 fuel oil.

18. The permittee, for good cause, may request that this construction permit be extended. Such a request shall be submitted to the Department's BAR prior to 60 days before the expiration date of the permit (F.A.C. Rule 17-4.090).

19. An application for an operation permit must be submitted to the Department's Northeast District office 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).

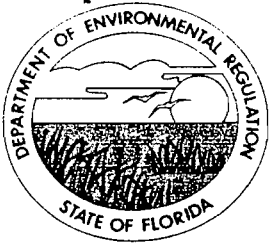
Issued this \_\_\_\_\_ day  
of \_\_\_\_\_, 1991

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL REGULATION

---

STEVE SMALLWOOD, P.E., Director  
Division of Air Resources  
Management

Attachments Available Upon Request



# Florida Department of Environmental Regulation

Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400

Lawton Chiles, Governor

Carol M. Browner, Secretary

April 8, 1991

CERTIFIED MAIL-RETURN RECEIPT REQUESTED

Mr. Wayne Barlow  
V.P. & General Manager  
Container Corporation of America  
North 8th Street  
Fernandina Beach, Florida 32034

Mr. Barlow:

Attached is one copy of the Technical Evaluation and Preliminary Determination and proposed construction permit to establish federally enforceable permit conditions for the existing No. 5 Power Boiler in accordance with the recently issued construction permits and final determination, AC 45-190382 & -190383 and PSD-FL-165.

Please submit any written comments you wish to have considered concerning the Department's proposed action to Mr. Barry Andrews of the Bureau of Air Regulation.

Sincerely,

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

CHF/BM/rbm

Attachments

c: A. Kutyna, NE District  
D. A. Buff, P.E., KBN

BEFORE THE STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

In the Matter of  
Application for Permit by:

Container Corporation of America  
North 8th Street  
Fernandina Beach, Florida 32034

DER File No. AC 45-194149

---

INTENT TO ISSUE

The Department of Environmental Regulation hereby gives notice of its intent to issue an air construction permit (copy attached) for the proposed project as detailed in the application specified above. The Department is issuing this Intent to Issue for the reasons stated in the attached Technical Evaluation and Preliminary Determination.

The applicant, Container Corporation of America, applied on March 22, 1991, to the Department of Environmental Regulation for a permit to establish federally enforceable permit conditions for the No. 5 Power Boiler in accordance with the recently issued construction permits and final determination, AC 45-190382 & -190383 and PSD-FL-165.

The Department has permitting jurisdiction under Chapter 403, Florida Statutes, and Florida Administrative Code Chapters 17-2 and 17-4. The project is not exempt from permitting procedures. The Department has determined that an air construction permit is required for the proposed work.

Pursuant to Section 403.815, F.S. and DER 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, at the address specified 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 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 notice. Persons whose substantial interests will be affected by any decision of the Department with regard to the application(s) 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 in 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 REGULATION

*Barry J. Antkowiak*

fr

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

Copies furnished to:

A. Kutyna, NE District  
D. A. Buff, P.E., KBN

CERTIFICATE OF SERVICE

The undersigned duly designated deputy clerk hereby certifies that this NOTICE OF INTENT TO ISSUE and all copies were mailed before the close of business on 4-8-91.

FILING AND ACKNOWLEDGEMENT  
FILED, on this date, pursuant to §120.52(9), Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

*Keri Deber*  
\_\_\_\_\_  
Clerk

4-8-91  
Date



State of Florida  
Department of Environmental Regulation  
Notice of Intent to Issue

The Department of Environmental Regulation hereby gives notice of its intent to issue a construction permit to Container Corporation of America, North 8th Street, Fernandina Beach, Nassau County, Florida 32034, to establish federally enforceable permit conditions for the existing No. 5 Power Boiler in accordance with the recently issued construction permits and final determination, AC 45-190382 & -190383 and PSD-FL-165. The boiler is fired on woodwaste/bark and No. 6 fuel oil (maximum of 2.5% sulfur content, by weight). A determination of Best Available Control Technology (BACT) was not required. 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 fourteen (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 business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at:

Department of Environmental Regulation  
Bureau of Air Regulation  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Department of Environmental Regulation  
Northeast District  
7825 Baymeadows Way  
Jacksonville, Florida 32256-7577

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

Technical Evaluation  
and  
Preliminary Determination

Container Corporation of America  
Nassau County  
Fernandina Beach, Florida

Construction Permit Number  
AC45-194149

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

April 8, 1991

## I. Application

### A. Applicant

Container Corporation of America  
North 8th Street  
Fernandina Beach, Florida 32034

### B. Project and Location

Container Corporation of America (CCA) submitted an application package for a construction permit to establish federally enforceable permit conditions for the existing No. 5 Power Boiler in accordance with the recently issued construction permits and final determination, AC 45-190382 & -190383 and PSD-FL-165. The project will occur at CCA's facility/mill located in Nassau County.

The UTM coordinates are Zone 17, 456.2 km East and 3,394.1 km North.

### C. Source Description and Controls

The No. 5 Power Boiler (PB) is a steam generating power boiler permitted to fire woodwaste/bark and No. 6 fuel oil. The No. 6 fuel oil will be limited to a maximum sulfur content of 2.5%, by weight. The maximum heat input rate for the No. 6 fuel oil will be 573.4 MMBtu/hr and based on a maximum permitted firing rate of 3850 gals/hr (92,400 gals/day: midnight to midnight).

The pollutant emissions of particulate matter (PM/PM10) and visible emissions (VE) are controlled by an electrostatic precipitator (ESP). The ESP has an efficiency of +99% for PM having a size range of 10 microns (PM10) and larger. The ESP fly ash collected is landfilled. The boiler's bottom ash is sent to the wastewater treatment plant.

### D. The Source Classification Code is:

o External Combustion Boilers: 1-02-009-02 tons burned  
Wood/Bark Waste

## II. Rule Applicability

The proposed project is subject to preconstruction review under the provisions of Chapter 403, Florida Statutes, Florida Administrative Code (F.A.C.) Chapters 17-2 and 17-4, and 40 CFR (July, 1990 version).

The application package was deemed complete on March 22, 1991.

The facility is located in an area designated as attainment for all criteria pollutants pursuant to Part IV, F.A.C. Chapter 17-2.

The facility is a major emitting facility for the pollutants of PM, PM10, SO2 (sulfur dioxide), NOx (nitrogen oxides), CO (carbon monoxide), VOC (volatile organic compounds), and TRS (total reduced sulfur) in accordance with F.A.C. Rule 17-2.100, Definitions.

Since there are no increases in actual/potential pollutant emissions associated with this project, then the pollutant emissions are subject to review in accordance with F.A.C. Rule 17-2.520, Sources Not Subject to Prevention of Significant Deterioration (PSD) or Nonattainment Requirements. The potential pollutant emissions from the No. 5 PB have already been evaluated in a recent preliminary evaluation for construction permits and final determination (AC 45-190382 & -190383 and PSD-FL-165) in accordance with F.A.C. Rule 17-2.500(5), new source review for PSD. Based on the evaluation, the following requirements were established:

- o raise the current stack to a height of 257 feet above grade;
- o limit the No. 6 fuel oil to a maximum sulfur content of 2.5%, by weight; and,
- o limit the firing rate of No. 6 fuel oil to a maximum of 3,850 gals/hr (92,400 gals/day: midnight to midnight)

The No. 5 PB is subject to the applicable provisions of F.A.C. Rules 17-2.240: Circumvention; 17-2.250: Excess Emissions; 17-2.620: General Pollutant Emission Limiting Standards; 17-2.600(10): Carbonaceous Fuel Burning Equipment; 17-2.700: Stationary Point Source Emission Test Procedures. All applicable provisions of the 40 CFR shall be in accordance with the July, 1990 version.

### III. Emission Limitations and Air Quality Analysis

#### A. Emission Limitations

The air pollutant emissions regulated from the No. 5 PB are PM and SO<sub>2</sub>. The No. 5 PB is also subject to a VE standard. The emission limitations are:

- o PM: 137.1 lbs/hr; 598.9 TPY
  - o carbonaceous fuel: 0.3 lbs/MMBtu of heat input
  - o fossil fuel: 0.1 lbs/MMBtu of heat input
- o SO<sub>2</sub>: 1,511.1 lbs/hr; 6,618.6 TPY
- o VE:  $\leq 30\%$  opacity, except  $\leq 40\%$  for  $\leq 2$  minutes in any 1 hour

#### B. Air Quality Analysis

Since the pollutant emissions have already been evaluated in the recently issued construction permits and final determination, AC 45-190382 & -190383 and PSD-FL-165, an air quality analysis was not required.

### IV. Conclusion

Based on the information provided by CCA, the Department has reasonable assurance that the proposed project, to acquire a construction permit for the purpose of establishing federally enforceable permit conditions for the No. 5 Power Boiler, 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 17-2 of the Florida Administrative Code.

*Barry D. [Signature]*  
# 36024  
4-8-91



# Florida Department of Environmental Regulation

Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400

Lawton Chiles, Governor

Carol M. Browner, Secretary

**PERMITTEE:**  
Container Corporation of  
America  
North 8th Street  
Fernandina Beach, Fl 32034

**Permit Number:** AC 45-194149  
**Expiration Date:** Dec. 31, 1991  
**County:** Nassau  
**Latitude/Longitude:** 30°40'53"N  
81°27'26"W  
**Project:** No. 5 Power Boiler

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code (F.A.C.) Chapters 17-2 and 17-4 and 40 CFR (July, 1990 version). 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 made a part hereof and specifically described as follows:

For the permitting of the existing No. 5 Power Boiler (PB) to establish federally enforceable permit conditions in accordance with the recently issued construction permits and final determination, AC 45-190382 and -190383 and PSD-FL-165. The No. 5 PB is permitted to fire woodwaste/bark and No. 6 fuel oil. The maximum sulfur content of the No. 6 fuel oil is 2.5%, by weight. An existing electrostatic precipitator system is used to control emissions of particulate matter (PM & PM10) and visible emissions. The UTM coordinates of the existing facility are Zone 17, 456.2 km East and 3394.1 km North.

The Standard Industrial Code is: Industry No. 2621-Paper Mills.

The Standard Classification Codes are: Major Group 49: External Combustion Boilers, Wood/Bark Waste, 1-02-009-02 (tons burned).

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

Attachments to be Incorporated:

1. Application to Construct/Modify Air Pollution Sources, DER Form 17-1.202(1), received March 22, 1991.
2. Technical Evaluation and Preliminary Determination dated April 8, 1991.

PERMITTEE:  
CCA

Permit Number: AC 45-194149  
Expiration Date: December 31, 1991

**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 acknowledgement 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:  
CCA

Permit Number: AC 45-194149  
Expiration Date: December 31, 1991

**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 proscribed 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,

PERMITTEE:  
CCA

Permit Number: AC 45-194149  
Expiration Date: December 31, 1991

**GENERAL CONDITIONS:**

provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.

11. This permit is transferable only upon Department approval in accordance with Florida Administrative Code Rules 17-4.120 and 17-30.300, 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. 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.

14. 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.



PERMITTEE:  
CCA

Permit Number: AC 45-194149  
Expiration Date: December 31, 1991

SPECIFIC CONDITIONS:

9. For PSD purposes, the projected potential pollutant emissions are:

o PM10	91.2 lbs/hr	402.5 TPY	67% of PM
o NOx	258.0 lbs/hr;	1,130.0 TPY	No. 6 fuel oil
	150.5 lbs/hr;	659.7 TPY	woodwaste/bark
o CO	19.3 lbs/hr;	84.5 TPY	No. 6 fuel oil
	274.2 lbs/hr;	1,201.0 TPY	woodwaste/bark
o VOC	2.9 lbs/hr;	12.7 TPY	No. 6 fuel oil
	75.3 lbs/hr;	329.8 TPY	woodwaste/bark
o Pb	0.0051 lb/hr;	0.022 TPY	No. 6 fuel oil
	0.0530 lb/hr;	0.232 TPY	woodwaste/bark
o Hg	0.0014 lb/hr;	0.006 TPY	No. 6 fuel oil
o Be	0.0003 lb/hr;	0.001 TPY	No. 6 fuel oil
	0.0011 lb/hr;	0.005 TPY	woodwaste/bark
o As	0.0013 lb/hr;	0.006 TPY	No. 6 fuel oil
	0.0131 lb/hr;	0.057 TPY	woodwaste/bark
o Fl	0.0036 lb/hr;	0.016 TPY	No. 6 fuel oil
o H <sub>2</sub> SO <sub>4</sub>	69.4 lbs/hr;	304.0 TPY	No. 6 fuel oil

Based on the following:

- o No. 6 fuel oil: 3,850 gals/hr maximum  
573.4 MMBtu/hr of heat input maximum  
2.5 % sulfur content, by weight, maximum
- o woodwaste/bark 53.8 TPH maximum  
457.0 MMBtu/hr of heat input

10. The permittee is subject to the applicable provisions of F.A.C. Rules 17-4.130: Plant Operation-Problems; 17-2.240: Circumvention; and, 17-2.250: Excess Emissions.

11. Objectionable odors shall not be allowed off plant property in accordance with F.A.C. Rule 17-2.620(2).

12. The Department's Northeast District office shall be notified in writing at least 15 days prior to source testing pursuant to F.A.C. Rule 17-2.700(2). Written reports of the tests shall be submitted to the Department's Northeast District office within 45 days of the test completion in accordance with F.A.C. Rule 17-2.700(7).

13. Any change in the method of operation, raw materials, equipment, operating hours, etc., pursuant to F.A.C. Rule 17-2.100, Modification, the permittee shall submit an application and the appropriate processing fee to the Department's Bureau of Air Regulation (BAR) office.

14. An annual operation report shall be submitted to the Department's Northeast District office by March 1 of each calendar year reporting the previous year's total usage of No. 6 fuel oil and documenting the sulfur % content, by weight.

PERMITTEE:  
CCA

Permit Number: AC 45-194149  
Expiration Date: December 31, 1991

**SPECIFIC CONDITIONS:**

15. A fuel flow meter having a hard copy output shall be installed and calibrated on the fuel line supplying the No. 6 fuel oil to the No. 5 Power Boiler. A record shall be kept on file for at least a two year period.

16. Based on air dispersion modeling evaluations on increment consumption and air quality standards, the stack shall be raised from its current height (227 feet) to 257 feet above grade.

17. The permittee, for good cause, may request that this construction permit be extended. Such a request shall be submitted to the Department's BAR prior to 60 days before the expiration date of the permit (F.A.C. Rule 17-4.090).

18. An application for an operation permit must be submitted to the Department's Northeast District office 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 \_\_\_\_\_, 1991

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL REGULATION

---

STEVE SMALLWOOD, P.E., Director  
Division of Air Resources  
Management

ATTACHMENT 1

Available Upon Request



# Florida Department of Environmental Regulation

Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400

Lawton Chiles, Governor

Carol M. Browner, Secretary

## FAX TRANSMITTAL LETTER

DATE: 5-2-91

TO:

NAME: Mr. Roger Hagan

AGENCY: CCA

TELEPHONE: 904-277-5888

# OF PAGES (INCLUDE COVER SHEET): 3

FROM:

NAME: Bruce Mitchell

AGENCY: DER/DARM/BAR

IF ANY PAGES ARE NOT CLEARLY RECEIVED, PLEASE CALL IMMEDIATELY. PHONE NO. 904-484-1344

SENDER'S NAME: Same

COMMENTS: Revised PN

AC 45-174149

MESSAGE CONFIRMATION

MAY-02-'91 THU 16:27

TERM ID: DIV OF AIR RES MGMT P-9999

TEL NO: 904-922-6979

NO.	DATE	ST. TIME	TOTAL TIME	ID	DEPT CODE	OK	NG
811	05-02	16:25	00'02'04	69042775888		03	00



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TEL NO: 904-922-6979

NO.	DATE	ST. TIME	TOTAL TIME	ID	DEPT CODE	OK	NG
811	05-02	16:25	00'02'04	69043775898		03	00





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811	05-02	16:25	00'02'04	69042775889		03	00



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NO.	DATE	ST. TIME	TOTAL TIME	ID	DEPT CODE	OK	NG
811	05-02	16:25	00'02"04	69042775888		03	00



CONTAINER CORPORATION OF AMERICA

AN AFFILIATE OF JEFFERSON SMURFIT CORPORATION

Mill Division  
NORTH 8TH STREET  
P.O. BOX 2000  
FERNANDINA BEACH, FL 32034  
TELEPHONE: 904/261-5551

VIA - FEDERAL EXPRESS

RECEIVED

APR 16 1991

DER-BAQM

April 15, 1991

Mr. C. H. Fancy, P.E.  
Chief, Bureau of Air Regulation  
Florida Department of Environmental Regulation  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Subject: Permit Number AC45-194149

Dear Mr. Fancy:

Enclose please find proof of publication of the Intent to Issue the referenced permit. Please contact Roger Hagan at (904) 277-5808 with any questions or comments.

Sincerely,

Roger P. Hagan  
Technical Director

RPH/sl

Enclosure

cc: Mr. Barry Andrews - FDER, Tallahassee

W. Barlow

R. Cobb

B. Williams

File

*B. Mitchell*

*A. Katyna, NE Dist*

# News-Leader

511 Ash Street/P.O. Box 766 (904) 261-3696  
Fernandina Beach, Florida 32034

Published Weekly

FERNANDINA BEACH, NASSAU COUNTY, FLORIDA

STATE OF FLORIDA  
COUNTY OF NASSAU:

Before the undersigned authority personally appeared Steve Hopper, Publisher who on oath says that he is Business Manager of The Fernandina Beach News-Leader, a weekly newspaper published at Fernandina Beach in Nassau County, Florida: that the attached copy of advertisement, being a Legal Notice in the matter of

**NOTICE OF INTENT TO ISSUE  
State of Florida  
Department of Environmental Regulation**

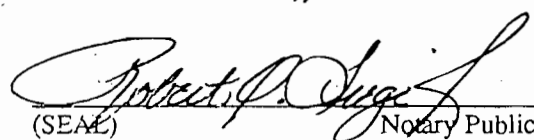
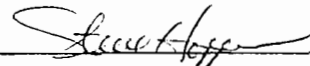
published in said newspaper in the issues of  
**4-10-91**

N.L. Ref. # 3621

Affiant further says that the said Fernandina Beach News-Leader is a newspaper published at Fernandina Beach in said Nassau County, Florida and that the said newspaper has heretofore been continuously published in said Nassau County, Florida, each week and has been entered as second class mail matter at the post office in Fernandina Beach in said County, Florida, for a period of one year next preceding the first publication of the attached copy of advertisement; and affiant further says that he/she has neither paid nor promised any person, firm or corporation any discount, rebate, commission or refund for the purpose of securing this advertisement for publication in the said newspaper.

Sworn to and subscribed before me

this 11th day of APRIL, A.D. 1991.



(SEAL) Notary Public

NOTARY PUBLIC, STATE OF FLORIDA  
My commission expires April 28, 1992

## STATE OF FLORIDA

Department of Environmental  
Regulation

### Notice of Intent to Issue

The Department of Environmental Regulation hereby gives notice of its intent to issue a construction permit to Container Corporation of America, North 8th Street, Fernandina Beach, Nassau County, Florida 32034, to establish federally enforceable permit conditions for the existing No. 5 Power Boiler in accordance with the recently issued construction permits and final determination, AC No. 45-190382 and 190383 and PSD-FL-165. The boiler is fired on woodwaste/bark No. 6 fuel oil (maximum of 2.9% sulfur content, by weight). A determination of Best Available Control Technology (BACT) was not required. 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 fourteen (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:

- 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;
- A statement of how and when each petitioner received notice of the Department's action or proposed action;
- A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action;
- A statement of the material facts disputed by Petitioner, if any;
- A statement of facts which petitioner contends war-

rant 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, Florida Statutes, 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 applications are available for public inspection during business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at:

Department of Environmental  
Regulation  
Bureau of Air Regulation  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Department of Environmental  
Regulation  
Northeast District  
7825 Boy Meadows Way  
Jacksonville, Florida 32256-7577

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

It 4-10-91  
3621

3-28-91  
3:07-111  
Spoke w Mr. Bob  
Williams. He authorized  
me to run with a  
max of 3,850 gals/hr  
on F O construction. Told  
Cleve. Fran

Bob Williams  
798-5633

3-29-91  
Bob Williams called - run w  
3850 if there is no option  
available.

---

Meeting w Tom, Max &  
Cleve 11:10 - 1:30 on

CCA issues

- ① remodel @ higher level
- ② stop const.
- ③ source obligation - OSD app + fee
- ④ to tie in w CCA/ITT issue

4-6-91  
Spoke w  
Mr. Hankins  
w Ken Muehle  
Leader

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

\$2,500 pd.  
3-22-91  
Receipt #151257



RECEIVED

MAR 18 1991

DER-BAQM

AC 45-194149

APPLICATION TO OPERATE/CONSTRUCT AIR POLLUTION SOURCES

SOURCE TYPE: Power Boiler [ ] New<sup>1</sup> [X] Existing<sup>1</sup>  
APPLICATION TYPE: [X] Construction [ ] Operation [ ] Modification  
COMPANY NAME: Container Corporation of America COUNTY: Nassau  
Identify the specific emission point source(s) addressed in this application (i.e., Lime  
Kiln No. 4 with Venturi Scrubber; Peaking Unit No. 2, Gas Fired) No. 5 Power Boiler  
SOURCE LOCATION: Street North 8th Street City Fernandina Beach  
UTM: East 17:456.2 North 3394.1  
Latitude 30 ° 40 ' 53 "N Longitude 81 ° 27 ' 26 "W  
APPLICANT NAME AND TITLE: Wayne Barlow, Vice President and General Manager  
APPLICANT ADDRESS: North 8th Street, Fernandina Beach, FL 32034

SECTION I: STATEMENTS BY APPLICANT AND ENGINEER

A. APPLICANT

I am the undersigned owner or authorized representative\* of Container Corporation of America  
I certify that the statements made in this application for a construction permit permit are true, correct and complete to the best of my knowledge and belief. Further, I agree to maintain and operate the pollution control source and pollution control facilities in such a manner as to comply with the provision of Chapter 403, Florida Statutes, and all the rules and regulations of the department and revisions thereof. I also understand that a permit, if granted by the department, will be non-transferable and I will promptly notify the department upon sale or legal transfer of the permitted establishment.

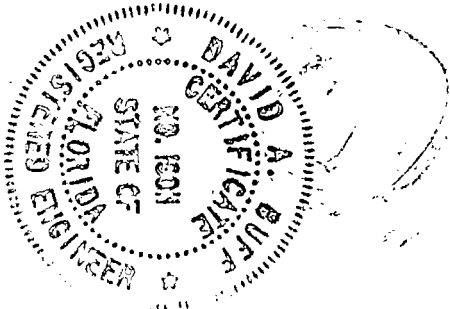
\*Attach letter of authorization

Signed: Wayne Barlow  
Wayne Barlow, Vice President and General Manager  
Name and Title (Please Type)  
Date: 3/15/91 Telephone No. (904) 261-5551

B. PROFESSIONAL ENGINEER REGISTERED IN FLORIDA (where required by Chapter 471, F.S.)  
This is to certify that the engineering features of this pollution control project have been designed/examined by me and found to be in conformity with modern engineering principles applicable to the treatment and disposal of pollutants characterized in the permit application. There is reasonable assurance, in my professional judgement, that

<sup>1</sup>See Florida Administration Code Rule 17-2.100(57) and (104)

the pollution control facilities, when properly maintained and operated, will discharge an effluent that complies with all applicable statutes of the State of Florida and the rules and regulations of the department. It is also agreed that the undersigned will furnish, if authorized by the owner, the applicant a set of instructions for the proper maintenance and operation of the pollution control facilities and, if applicable, pollution sources.



Signed David A. Buff

David A. Buff  
Name (Please Type)

KBN Engineering and Applied Sciences, Inc.  
Company Name (Please Type)

1034 NW 57th Street, Gainesville, FL 32605  
Mailing Address (Please Type)

Florida Registration No. 19011 Date: 3/14/91 Telephone No. (904) 331-9000

SECTION II: GENERAL PROJECT INFORMATION

A. Describe the nature and extent of the project. Refer to pollution control equipment, and expected improvements in source performance as a result of installation. State whether the project will result in full compliance. Attach additional sheet if necessary.

Refer to Attachment A

B. Schedule of project covered in this application (Construction Permit Application Only)

Start of Construction May 1991 Completion of Construction December 1991

C. Costs of pollution control system(s): (Note: Show breakdown of estimated costs only for individual components/units of the project serving pollution control purposes. Information on actual costs shall be furnished with the application for operation permit.)

Control equipment already in place

D. Indicate any previous DER permits, orders and notices associated with the emission point, including permit issuance and expiration dates.

A045-190422 Issued 02/27/91 Expires 3/17/96

E. Requested permitted equipment operating time: hrs/day 24; days/wk 7; wks/yr 52;  
If power plant, hrs/yr \_\_\_\_\_; if seasonal, describe: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

- F. If this is a new source or major modification, answer the following questions.  
(Yes or No) Not Applicable
- 1. Is this source in a non-attainment area for a particular pollutant? \_\_\_\_\_
    - a. If yes, has "offset" been applied? \_\_\_\_\_
    - b. If yes, has "Lowest Achievable Emission Rate" been applied? \_\_\_\_\_
    - c. If yes, list non-attainment pollutants. \_\_\_\_\_
  - 2. Does best available control technology (BACT) apply to this source?  
If yes, see Section VI. \_\_\_\_\_
  - 3. Does the State "Prevention of Significant Deterioration" (PSD)  
requirement apply to this source? If yes, see Sections VI and VII. \_\_\_\_\_
  - 4. Do "Standards of Performance for New Stationary Sources" (NSPS)  
apply to this source? \_\_\_\_\_
  - 5. Do "National Emission Standards for Hazardous Air Pollutants"  
(NESHAP) apply to this source? \_\_\_\_\_

- H. Do "Reasonably Available Control Technology" (RACT) requirements apply  
to this source? \_\_\_\_\_ No
- a. If yes, for what pollutants? \_\_\_\_\_
  - b. If yes, in addition to the information required in this form, any information  
requested in Rule 17-2.650 must be submitted.

Attach all supportive information related to any answer of "Yes". Attach any  
justification for any answer of "No" that might be considered questionable.



SECTION III: AIR POLLUTION SOURCES & CONTROL DEVICES (Other than Incinerators)

A. Raw Materials and Chemicals Used in your Process, if applicable:

Description	Contaminants		Utilization Rate - lbs/hr	Relate to Flow Diagram
	Type	% Wt		
Not Applicable				

B. Process Rate, if applicable: (See Section V, Item 1)

1. Total Process Input Rate (lbs/hr): Not Applicable

2. Product Weight (lbs/hr): Not Applicable

C. Airborne Contaminants Emitted: (Information in this table must be submitted for each emission point, use additional sheets as necessary)

Name of Contaminant	Emission <sup>1</sup>		Allowed <sup>2</sup> Emission Rate per Rule 17-2	Allowable <sup>3</sup> Emission lbs/hr	Potential <sup>4</sup> Emission		Relate to Flow Diagram
	Maximum lbs/hr	Actual T/yr			lbs/hr	T/yr	
Particulates	137.1	598.9	0.3 lb/MMBtu	137.1	137.1	598.9	
Sulfur Dioxide	1,733.7	6,618.6	2.75 lb/MMBtu	1,761.4	1,733.7	6,618.6	
Nitrogen Oxides	296.0	1,130.0	N/A	N/A	296.0	1,130.0	
Carbon Monoxide	274.2	1,201.0	N/A	N/A	274.2	1,201.0	
Vol. Org. Cmpds	75.3	329.8	N/A	N/A	75.3	329.8	

<sup>1</sup>See Section V, Item 2.

<sup>2</sup>Reference applicable emission standards and units (e.g. Rule 17-2.600(5)(b)2. Table II, E. (1) - 0.1 pounds per million BTU heat input)

<sup>3</sup>Calculated from operating rate and applicable standard.

<sup>4</sup>Emission, if source operated without control (See Section V, Item 3).

D. Control Devices: (See Section V, Item 4)

Name and Type (Model & Serial No.)	Contaminant	Efficiency	Range of Particles Size Collected (in microns) (If applicable)	Basis for Efficiency (Section V Item 5)
Research Cottrell Electrostatic Precipitator	Particulate	+99%	submicron	design

E. Fuels

Type (Be Specific)	Consumption*		Maximum Heat Input (MMBTU/hr)
	avg/hr	max./hr	
No 6. Fuel Oil		4,417 gal/hr / 3850	657.8 / 573.36
Bark/Woodwaste		107,529 lb/hr	457.0

\*Units: Natural Gas--MMCF/hr; Fuel Oils--gallons/hr; Coal, wood, refuse, others--lbs/hr.

Fuel Analysis:

Percent Sulfur: 2.5 max Percent Ash: 0.1 typical

Density: 8.05 lbs/gal Typical Percent Nitrogen: 0.9

Heat Capacity: 18,500 BTU/lb 148,925 BTU/gal

Other Fuel Contaminants (which may cause air pollution): \_\_\_\_\_

F. If applicable, indicate the percent of fuel used for space heating.

Annual Average Not Applicable Maximum \_\_\_\_\_

G. Indicate liquid or solid wastes generated and method of disposal.

Bottom ash is sent to waste treatment system.

ESP fly ash is landfilled.

H. Emission Stack Geometry and Flow Characteristics (Provide data for each stack):

Stack Height: 257 ft. Stack Diameter: 11.0 ft.  
 Gas Flow Rate: 287,134 ACFM 142,711 DSCFM Gas Exit Temperature: 358 °F.  
 Water Vapor Content: 23 % Velocity: 50.4 FPS

SECTION IV: INCINERATOR INFORMATION

Not Applicable

Type of Waste	Type 0 (Plastics)	Type II (Rubbish)	Type III (Refuse)	Type IV (Garbage)	Type IV (Pathological)	Type V (Liq. & Gas By-prod.)	Type VI (Solid By-prod.)
Actual lb/hr Incinerated							
Uncontrolled (lbs/hr)							

Description of Waste \_\_\_\_\_  
 Total Weight Incinerated (lbs/hr) \_\_\_\_\_ Design Capacity (lbs/hr) \_\_\_\_\_  
 Approximate Number of Hours of Operation per day \_\_\_\_\_ day/wk \_\_\_\_\_ wks/yr. \_\_\_\_\_  
 Manufacturer \_\_\_\_\_  
 Date Constructed \_\_\_\_\_ Model No. \_\_\_\_\_

	Volume (ft) <sup>3</sup>	Heat Release (BTU/hr)	Fuel		Temperature (°F)
			Type	BTU/hr	
Primary Chamber					
Secondary Chamber					

Stack Height: \_\_\_\_\_ ft. Stack Diameter: \_\_\_\_\_ Stack Temp. \_\_\_\_\_  
 Gas Flow Rate: \_\_\_\_\_ ACFM \_\_\_\_\_ DSCFM\* Velocity: \_\_\_\_\_ FPS

\*If 50 or more tons per day design capacity, submit the emissions rate in grains per standard cubic foot dry gas corrected to 50% excess air.

Type of pollution control devices:  Cyclone  Wet Scrubber  Afterburner  
 Other (specify) \_\_\_\_\_

Brief description of operating characteristics of control devices: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Ultimate disposal of any effluent other than that emitted from the stack (scrubber water, ash, etc.):  
\_\_\_\_\_  
\_\_\_\_\_

NOTE: Items 2, 3, 4, 6, 7, 8, and 10 in Section V must be included where applicable.

**SECTION V: SUPPLEMENTAL REQUIREMENTS**

Please provide the following supplements where required for this application.

1. Total process input rate and product weight -- show derivation [Rule 17-2.100(127)]
2. To a construction application, attach basis of emission estimate (e.g., design calculations, design drawings, pertinent manufacturer's test data, etc.) and attach proposed methods (e.g., FR Part 60 Methods, 1, 2, 3, 4, 5) to show proof of compliance with applicable standards. To an operation application, attach test results or methods used to show proof of compliance. Information provided when applying for an operation permit from a construction permit shall be indicative of the time at which the test was made.
3. Attach basis of potential discharge (e.g., emission factor, that is, AP42 test).
4. With construction permit application, include design details for all air pollution control systems (e.g., for baghouse include cloth to air ratio; for scrubber include cross-section sketch, design pressure drop, etc.)
5. With construction permit application, attach derivation of control device(s) efficiency. Include test or design data. Items 2, 3 and 5 should be consistent: actual emissions = potential (1-efficiency).
6. An 8 ½" x 11" flow diagram which will, without revealing trade secrets, identify the individual operations and/or processes. Indicate where raw materials enter, where solid and liquid waste exit, where gaseous emissions and/or airborne particles are evolved and where finished products are obtained.
7. An 8 ½" x 11" plot plan showing the location of the establishment, and points of airborne emissions, in relation to the surrounding area, residences and other permanent structures and roadways (Examples: Copy of relevant portion of USGS topographic map).
8. An 8 ½" x 11" plot plan of facility showing the location of manufacturing processes and outlets for airborne emissions. Relate all flows to the flow diagram.

- 9. The appropriate application fee in accordance with Rule 17-4.05. The check should be made payable to the Department of Environmental Regulation.
- 10. With an application for operation permit, attach a Certificate of Completion of Construction indicating that the source was constructed as shown in the construction permit.

**SECTION VI: BEST AVAILABLE CONTROL TECHNOLOGY**  
Not Applicable

A. Are standards of performance for new stationary sources pursuant to 40 C.F.R. Part 60 applicable to the source?

Yes    No

Contaminant	Rate or Concentration
_____	_____
_____	_____
_____	_____
_____	_____

B. Has EPA declared the best available control technology for this class of sources (If yes, attach copy)

Yes    No

Contaminant	Rate or Concentration
_____	_____
_____	_____
_____	_____
_____	_____

C. What emission levels do you propose as best available control technology?

Contaminant	Rate or Concentration
_____	_____
_____	_____
_____	_____
_____	_____

D. Describe the existing control and treatment technology (if any).

- |                           |                          |
|---------------------------|--------------------------|
| 1. Control Device/System: | 2. Operating Principles: |
| 3. Efficiency:*           | 4. Capital Costs:        |

\*Explain method of determining

5. Useful Life:

6. Operating Costs:

7. Energy:

8. Maintenance Cost:

9. Emissions:

Contaminant	Rate or Concentration

10. Stack Parameters

a. Height: ft.

b. Diameter ft.

c. Flow Rate: ACFM

d. Temperature: °F.

e. Velocity: FPS

E. Describe the control and treatment technology available (As many types as applicable, use additional pages if necessary).

1.

a. Control Devices:

b. Operating Principles:

c. Efficiency:<sup>1</sup>

d. Capital Cost:

e. Useful Life:

f. Operating Cost:

g. Energy:<sup>2</sup>

h. Maintenance Cost:

i. Availability of construction materials and process chemicals:

j. Applicability to manufacturing processes:

k. Ability to construct with control device, install in available space, and operate within proposed levels:

2.

a. Control Device:

b. Operating Principles:

c. Efficiency:<sup>1</sup>

d. Capital Cost:

e. Useful Life:

f. Operating Cost:

g. Energy:<sup>2</sup>

h. Maintenance Cost:

i. Availability of construction materials and process chemicals:

<sup>1</sup>Explain method of determining efficiency.

<sup>2</sup>Energy to be reported in units of electrical power - KWH design rate.

- j. Applicability to manufacturing processes:
- k. Ability to construct with control device, install in available space, and operate within proposed levels:

3.

- a. Control Device:
- b. Operating Principles:
- c. Efficiency:<sup>1</sup>
- d. Capital Cost:
- e. Useful Life:
- f. Operating Cost:
- g. Energy:<sup>2</sup>
- h. Maintenance Cost:
- i. Availability of construction materials and process chemicals:
- j. Applicability to manufacturing processes:
- k. Ability to construct with control device, install in available space, and operate within proposed levels:

4.

- a. Control Device:
- b. Operating Principles:
- c. Efficiency:<sup>1</sup>
- d. Capital Cost:
- e. Useful Life:
- f. Operating Cost:
- g. Energy:<sup>2</sup>
- h. Maintenance Cost:
- i. Availability of construction materials and process chemicals:
- j. Applicability to manufacturing processes:
- k. Ability to construct with control device, install in available space, and operate within proposed levels:

F. Describe the control technology selected:

- 1. Control Device:
- 2. Efficiency:<sup>1</sup>
- 3. Capital Cost:
- 4. Useful Life:
- 5. Operating Cost:
- 6. Energy:<sup>2</sup>
- 7. Maintenance Cost:
- 8. Manufacturer:
- 9. Other locations where employed on similar processes:
- a. (1) Company:
- (2) Mailing Address:
- (3) City:
- (4) State:

<sup>1</sup>Explain method of determining efficiency.

<sup>2</sup>Energy to be reported in units of electrical power - KWH design rate.

(5) Environmental Manager:

(6) Telephone No.:

(7) Emissions:<sup>1</sup>

Contaminant

Rate or Concentration


(8) Process Rate:<sup>1</sup>

b. (1) Company:

(2) Mailing Address:

(3) City:

(4) State:

(5) Environmental Manager:

(6) Telephone No.:

(7) Emissions:<sup>1</sup>

Contaminant

Rate or Concentration


(8) Process Rate:<sup>1</sup>

10. Reason for selection and description of systems:

<sup>1</sup>Applicant must provide this information when available. Should this information not be available, applicant must state the reason(s) why.

SECTION VII - PREVENTION OF SIGNIFICANT DETERIORATION

Not Applicable

A. Company Monitored Data

1. \_\_\_\_\_ no. sites \_\_\_\_\_ TSP \_\_\_\_\_ ( ) SO<sup>2\*</sup> \_\_\_\_\_ Wind spd/dir

Period of Monitoring \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ to \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_  
month day year month day year

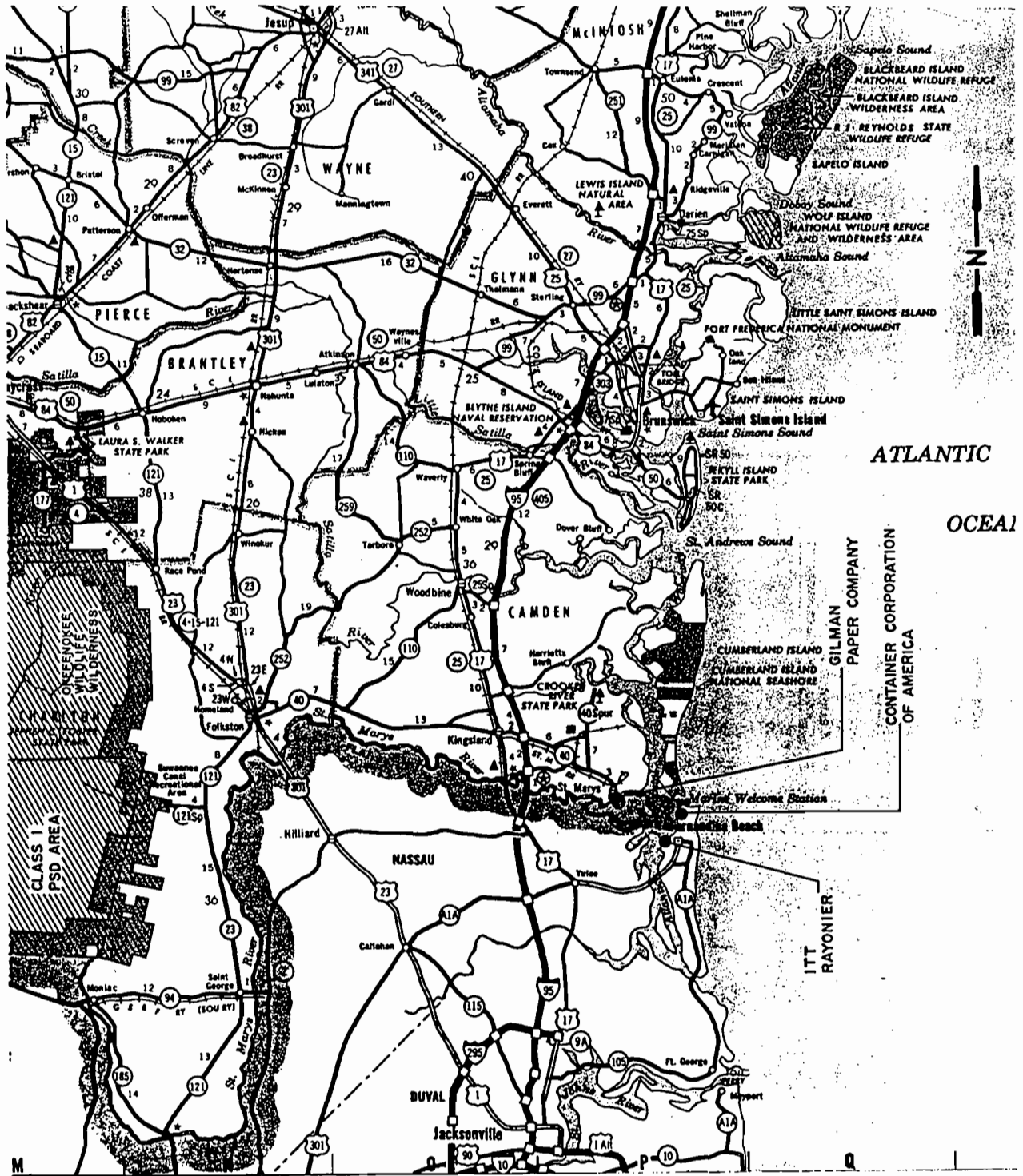
Other data recorded \_\_\_\_\_

Attach all data or statistical summaries to this application.

\*Specify bubbler (B) or continuous (C).







ATLANTIC  
OCEAN

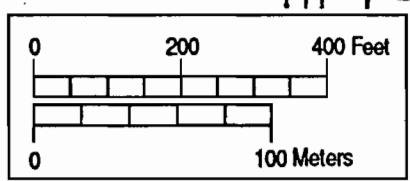
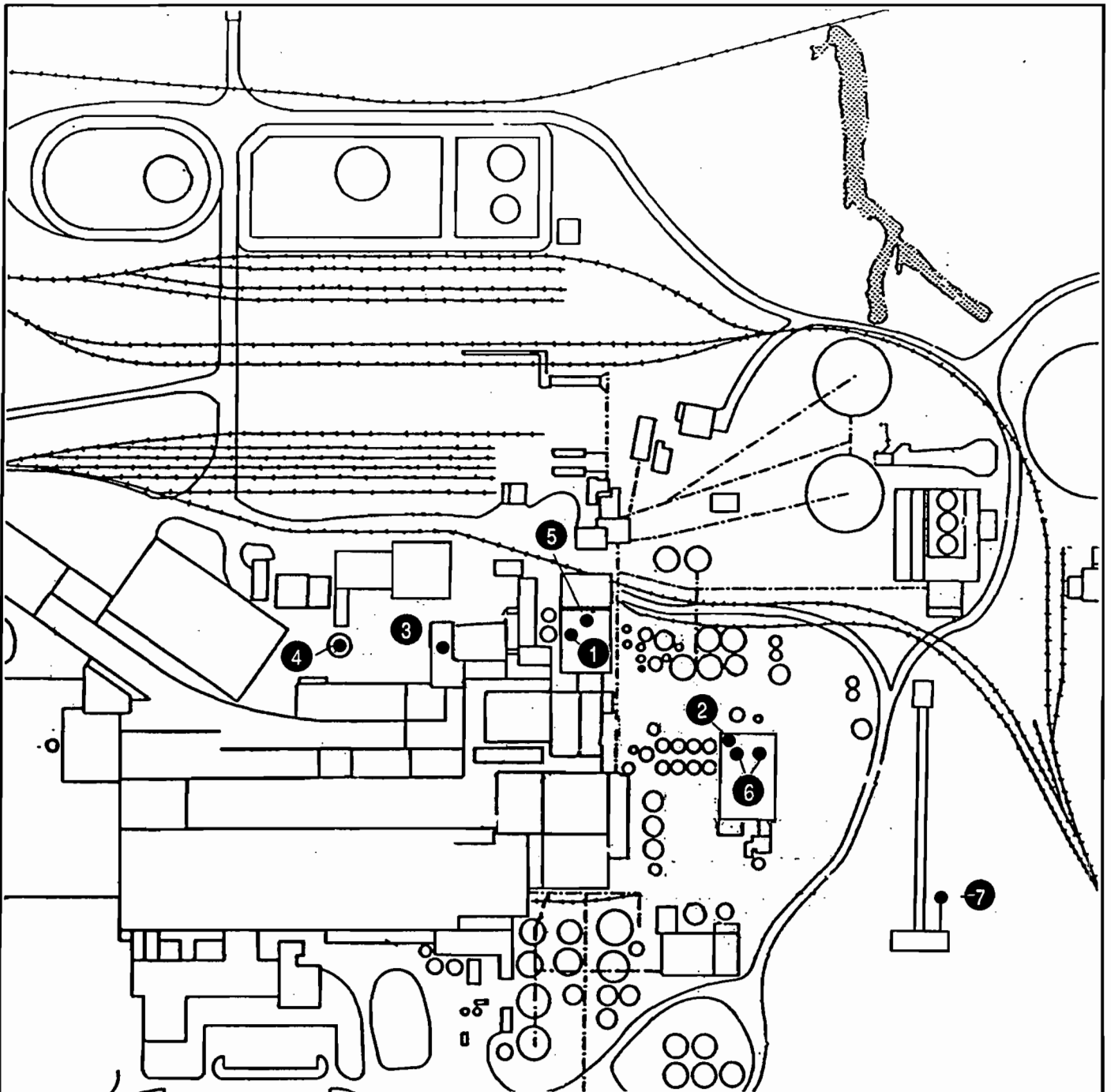
GILMAN  
PAPER COMPANY  
CONTAINER CORPORATION  
OF AMERICA

ITT  
RAYONIER



LOCATION OF CCA MILL





LEGEND	
①	SMELT DISSOLVING TANK 4
②	SMELT DISSOLVING TANK 5
③	POWER BOILER 5
④	POWER BOILER 7
⑤	RECOVERY BOILER 4
⑥	RECOVERY BOILER 5
⑦	LIME KILN 4

**EXPANDED PLOT PLAN OF CCA MILL FOR EXISTING AND FUTURE CONDITIONS**



**ATTACHMENT A**  
**PROJECT DESCRIPTION**

## PROJECT DESCRIPTION

Container Corporation of America (CCA), located in Fernandina Beach, Florida, recently was issued air construction permits by the Florida Department of Environmental Regulation (FDER). The construction permits (AC45-190382 and AC45-190383) authorize the construction of one new batch digester and a new brown stock washer system. Specific Condition 14 in each of these permits requires that a construction permit be submitted for the No. 5 Power Boiler. The purpose of the resulting construction permit is to establish certain federally enforceable permit conditions for this source.

The No. 5 Power Boiler at CCA currently is permitted under operating permit A045-190422. This permit application for the No. 5 Power Boiler reflects the following changes from the current permit:

1. The stack height is being raised from 227 feet to 257 feet above grade.
2. The maximum fuel oil sulfur content is being reduced from 3.0 percent to 2.5 percent.
3. The maximum 24-hour fuel oil burning rate is being limited to 3,850 gallons per hour (92,400 gallons from 8 a.m. to 8 a.m.).

Presented in Attachment B are the maximum estimated emissions from the No. 5 Power Boiler.

**ATTACHMENT B**  
**FUTURE MAXIMUM EMISSIONS**  
**FOR POWER BOILER NO. 5**

FUTURE MAXIMUM EMISSIONS  
FOR POWER BOILER NO. 5

- A. PM  
Based on current permit limit -- 137.1 lb/hr, 598.9 TPY
- B. PM10  
Based on AP-42 for coal-fired boiler with ESP: 67% is PM10  
 $137.1 \text{ lb/hr} \times 0.67 = 91.9 \text{ lb/hr}$   
 $598.9 \text{ TPY} \times 0.67 = 402.5 \text{ TPY}$
- C. SO<sub>2</sub>
1. Maximum hourly  
Maximum hourly fuel oil usage = 4,417 gal/hr  
Maximum sulfur content is 2.5%  
Heating value = 148,925 Btu/gal  
Heat input =  $4,417 \text{ gal/hr} \times 148,925 \text{ Btu/gal}$   
 $= 657.8 \times 10^6 \text{ Btu/hr}$   
  
AP-42 emission factor is 157(S) lb/1,000 gal  
 $4,417 \text{ gal/hr} \times 157(2.5)/1,000 = 1,733.7 \text{ lb/hr}$
  2. Maximum 24-hour  
Maximum 24-hour (midnight to midnight) fuel oil usage will be limited to 92,400 gallons or average of 3,850 gal/hr  
  
 $3,850 \text{ gal/hr} \times 157(2.5)/1,000 = 1,511.1 \text{ lb/hr}$
  3. Annual Average  
Annual emissions =  $1,511.1 \text{ lb/hr} \times 8,760 \text{ hr/yr} + 2,000 \text{ lb/ton}$   
 $= 6,618.6 \text{ TPY}$
- D. NO<sub>x</sub>  
Base on AP-42 factors
1. No. 6 Fuel Oil  
Factor is 67 lb/1,000 gal  
 $4,417 \text{ gal/hr} \times 67 \text{ lb/1,000 gal} = 296.0 \text{ lb/hr}$
  2. Bark  
AP-42 factor is 2.8 lb/ton bark  
 $53.76 \text{ TPH} \times 2.8 \text{ lb/ton} = 150.5 \text{ lb/hr}$
  3. Annual Average  
Fuel oil burning results in highest NO<sub>x</sub> emissions.  
For annual emissions, use maximum 24-hour fuel oil burning rate.  
 $3,850 \text{ gal/hr} \times 67 \text{ lb/1,000 gal} = 258.0 \text{ lb/hr}$   
 $258.0 \text{ lb/hr} \times 8,760 \text{ hr/yr} + 2,000 \text{ lb/ton} = 1,130.0 \text{ TPY}$
- E. CO
1. No. 6 Fuel Oil  
Base on AP-42 factor of 5 lb/1,000 gal.  
 $4,417 \text{ gal/hr} \times 5 \text{ lb/1,000 gal} = 22.1 \text{ lb/hr}$

2. Bark  
From NCASI Technical Bulletin No. 109, maximum is  
0.60 lb/10<sup>6</sup> Btu  
 $457 \times 10^6 \times 0.60 / 10^6 = 274.2$  lb/hr
3. Annual Average  
 $274.2$  lb/hr  $\times$   $8,760 + 2,000 = 1,201.0$  TPY.

F. VOC

Based on AP-42 factors

1. No. 6 Fuel Oil  
Factor is 0.76 lb/1,000 gal  
 $4,417$  gal/hr  $\times$   $0.76$  lb/1,000 gal =  $3.4$  lb/hr
2. Bark Burning  
Factor is 1.4 lb/ton bark  
 $53.76$  TPH  $\times$   $1.4$  lb/ton =  $75.3$  lb/hr
3. Annual Average  
 $75.3$  lb/hr  $\times$   $8,760 + 2,000 = 329.8$  TPY

G. Lead, Mercury, Beryllium, Arsenic, Fluorides

Emission factors from following sources:

Fuel Oil Burning

- a. Fluorides - Emissions Assessment of Conventional  
Stationary Combustion Systems, Vol. V.  
Industrial Combustion Sources,  
EPA-600/7-81-003a.
- b. All other pollutants - Toxic Air Pollutant Emission  
Factors--A Compilation for Selected Air Toxic  
Compounds and Sources, EPA-450/2-88-006.

Bark Burning

All pollutants - EPA-600/7-81-003a (see above).

1. Lead
  - a. Fuel Oil Burning  
Factor is  $8.9$  lb/10<sup>12</sup> Btu (uncontrolled)  
 $573.4$   $658 \times 10^6$  Btu/hr  $\times$   $8.9$  lb/10<sup>12</sup> Btu =  $0.0059$  lb/hr
  - b. Bark Burning  
Factor is  $50$  pg/J or  $116$  lb/10<sup>12</sup> Btu  
 $457 \times 10^6 \times 116$  lb/10<sup>12</sup> =  $0.053$  lb/hr =  $0.232$  TPY
2. Mercury
  - a. Fuel Oil Burning  
Factor is  $2.4$  lb/10<sup>12</sup> Btu for ESP control  
 $573.4$   $658 \times 10^6 \times 2.4 / 10^{12} = 0.0016$  lb/hr =  $0.0070$  TPY
  - b. Bark Burning  
No emission factor.
3. Beryllium
  - a. Fuel Oil Burning  
Factor is  $0.59$  lb/10<sup>12</sup> Btu for ESP control  
 $573.4$   $658 \times 10^6 \times 0.59 / 10^{12} = 0.00039$  lb/hr

$0.0059 \times 8760 \Rightarrow 0.0051$   
 $0.022 \times 8760$

$0.001376 \times 8760 \Rightarrow 0.0014$   
 $0.0061787$

$0.000338 \times 8760 \Rightarrow 0.0003$   
 $0.0013787$



b. Bark Burning

Factor is <1 pg/J or <2.3 lb/10<sup>12</sup> Btu

$457 \times 10^6 \times 2.3 / 10^{12} = 0.0011 \text{ lb/hr} = 0.00048 \text{ TPY}$

0.0048

4. Arsenic

a. Fuel Oil Burning

Factor is 2.28 lb/10<sup>12</sup> Btu for ESP control

$658 \times 10^6 \times 2.28 / 10^{12} = 0.0015 \text{ lb/hr}$

0.001307  $\Rightarrow$  0.0013

b. Bark Burning

Factor is 12 pg/J or 27.9 lb/10<sup>12</sup> Btu

$457 \times 10^6 \times 27.9 / 10^{12} = 0.013 \text{ lb/hr} = 0.057 \text{ TPY}$

5. Fluorides

a. Fuel Oil Burning

Factor is 2.7 pg/J or 6.27 lb/10<sup>12</sup> Btu, uncontrolled

$658 \times 10^6 \times 6.27 / 10^{12} = 0.0041 \text{ lb/hr} = 0.018 \text{ TPY}$

0.003595  $\Rightarrow$  0.0036

b. Bark Burning

No emission factor.

H. Sulfuric Acid Mist

Based on 3% of sulfur emissions.

$1,733.7 \text{ lb/hr} \times 98/64 \times 0.03 = 79.6 \text{ lb/hr}$

Annual:  $6,618.6 \text{ TPY} \times 98/64 \times 0.03 = 304.0 \text{ TPY}$

69.416  $\Rightarrow$  69.4

303.97 TPY  $\Rightarrow$  304 TPY

1511.8

BEFORE THE STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

CONTAINER CORPORATION  
OF AMERICA,

Petitioner,

Bruce

vs.

DEPARTMENT OF ENVIRONMENTAL  
REGULATION,

OGC CASE NO.  
Permit Application  
Number: AC45-194149

Respondent.

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REQUEST FOR EXTENSION OF TIME  
IN WHICH TO PETITION FOR HEARING

Pursuant to Rule 17-103.070, Florida Administrative Code, Petitioner/Applicant, Container Corporation of America, Inc., hereby requests an extension of 45 days within which to file a petition for formal administrative proceedings on the Department's proposed action on permit application number AC45-194149. Petitioner states as follows:

1. On or about April 9, 1991, Petitioner received notice of the Department's intent to issue permit number AC45-194149 to Petitioner. This permit is for the establishment of federally enforceable permit conditions for Petitioner's existing No. 5 power boiler, and was mandated by two construction permits recently issued to Petitioner, numbered AC45-190382 and AC45-190383. The proposed permit contains conditions which Petitioner believes are unnecessary for insuring that Petitioner's activity will not cause or contribute to a violation of applicable air quality standards or a violation of existing permit conditions.

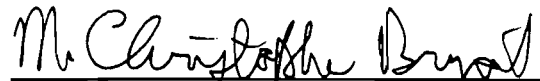
2. Petitioner is still analyzing the Department's Technical Evaluation and Draft Permit, particularly concerning applicable and appropriate permit conditions. Petitioner will be discussing with Department staff the applicability and propriety of such conditions, and believes that the parties may be able to achieve a mutually acceptable resolution without the need for administrative proceedings. However, petitioner is in need of additional time to pursue these discussions with staff.

3. By Petitioner's calculation, its petition for hearing is due on or before April 23, 1991. Petitioner requests an extension of time of 45 days, or until June 6, 1991, within which to file a petition for formal administrative proceedings, so that Petitioner can continue to pursue settlement discussions.

4. Petitioner's counsel has conferred with Carol Forthman of the Department's Office of General Counsel, who has indicated that she does not object to the extension of time.

WHEREFORE, Petitioner requests that the time for filing a petition for administrative proceedings be extended to and including June 6, 1991.

Respectfully submitted,

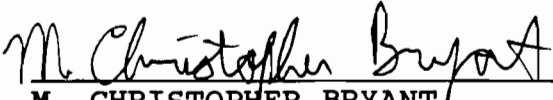


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Tallahassee, Florida 32301  
904/877-0099

Attorneys for CONTAINER  
CORPORATION OF AMERICA

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that the original and one copy of the foregoing have been furnished by Hand Delivery to the Agency Clerk, Department of Environmental Regulation, 2600 Blair Stone Road, Tallahassee, Florida, 32399-2400, and copies have been furnished by Hand Delivery to William Congdon, Assistant General Counsel, Carol Forthman, Deputy General Counsel, and Clair H. Fancy, P.E., Chief of Bureau of Air Regulation, Department of Environmental Regulation, 2600 Blair Stone Road, Tallahassee, Florida, 32399-2400, this 11<sup>th</sup> day of April, 1991.

  
M. CHRISTOPHER BRYANT

A:\MCB-CCA.REQ