SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.

Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1. ☒ Show to whom delivered, date, and addressee's address. *↑(Extra charge)↑*
2. ☐ Restricted Delivery *↑(Extra charge)↑*

3. Article Addressed to:

Mr. L. D. Riley, Jr.
Environmental Superintendent
Stone Container Corporation
Post Office Box 2560
Panama City, FL 32402

4. Article Number

P 702 177 482

Type of Service:
☐ Registered ☐ Insured
☒ Certified ☐ COD
☐ Express Mail

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature — Addressee

X

6. Signature — Agent

X Carlton Barker

7. Date of Delivery

8-17-88

8. Addressee's Address *(ONLY if requested and fee paid)*

PS Form **3811**, Mar. 1987 * U.S.G.P.O. 1987-178-268 **DOMESTIC RETURN RECEIPT**

P 702 177 482

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

(See Reverse)

Sent to Mr. L. D. Riley, Jr., Stone Container Cor	
Street and No. P.O. Box 2560	
P.O., State and ZIP Code Panama City, FL 32402	
Postage	$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	$
Postmark or Date Mailed: 8-16-88 Permit: AC 03-148859	

PS Form 3800, June 1985

Florida Department of Environmental Regulation

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

Bob Martinez, Governor | Dale Twachtmann, Secretary | John Shearer, Assistant Secretary

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION
NOTICE OF PERMIT

Mr. L. D. Riley, Jr.
Environmental Superintendent
Stone Container Corporation
Post Office Box 2560
Panama City, Florida 32402

August 15, 1988

Enclosed is permit No. AC 03-148859 for Stone Container Corporation to construct a woodyard facility at their kraft pulp mill in Panama City, Bay 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

C. H. Fancy, P.E.
Deputy Chief
Bureau of Air Quality Management

Copy furnished to:

Jack Preece, N.W. District
Charles T. Fontaine, P.E.

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 business on August 16, 1988.

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 J. Wise — Clerk

August 16, 1988 — Date

Final Determination

Stone Container Corporation
Bay County, Florida

Woodyard Facility
Permit No. AC 03-148859

Florida Department of Environmental Regulation
Bureau of Air Quality Management
Central Air Permitting

August 12, 1988

Final Determination

Stone Container Corporation's application for a permit to construct a woodyard facility at their kraft pulp mill in Panama City, Bay County, Florida, has been reviewed by the Bureau of Air Quality Management.

Public Notice of the Department's Intent to Issue the construction permit was published in the Florida Freedom Newspaper on April 12, 1988.

Copies of the Preliminary Determination have been available for public inspection at the Department's Northwest District office in Pensacola and the Department's Bureau of Air Quality Management in Tallahassee.

Comments were received from Mr. L. D. Riley, Environmental Superintendent, Stone Container Corporation, regarding Specific Condition No. 2.

The Department has considered his comment and reworded Specific Condition No. 2 as follows:

From:

2. Fugitive and unconfined particulate matter (PM) emissions shall be minimized in accordance with the following operational parameters:

a) Chips manufactured on site will be screened prior to storage.
b) Chips will be screened following removal from storage prior to conveying to the digesters.
c) All conveyor systems will be covered or enclosed.
d) Drop distance from the chip storage stacker is maintained to a minimum.
e) All access roads will be paved.

To:

2. Fugitive and unconfined particulate matter (PM) emissions shall be minimized in accordance with the following operational parameters:

a) Chips manufactured on site will be screened following storage.
b) Chips will be screened following removal from storage prior to conveying to the digesters.

c) All conveyor systems will be covered or enclosed.
d) Drop distance from the chip storage stacker is maintained to a minimum.
e) All access roads will be paved.

The final action of the Department wil be issue the permit with the change noted above.

Attachment: L. D. Riley's letter of July 7, 1988

Florida Department of Environmental Regulation

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

Bob Martinez, Governor Dale Twachtmann, Secretary John Shearer, Assistant Secretary

PERMITTEE:
Stone Container Corp.
Post Office Box 2560
Panama City, FL 32402

Permit Number: AC 03-148859
Expiration Date: April 30, 1990
County: Bay
Latitude/Longitude: 30° 08' 27"N
85° 37' 17"W
Project: Woodyard Facility

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rule(s) 17-2 and 17-4. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the Department and made a part hereof and specifically described as follows:

For the construction of a woodyard facility to be located at the Stone Container Corporation's kraft pulp mill in Panama City, Bay County Florida.

The Standard Industrial Codes are: Major Group 26: Paper and Allied Products; Industry No. 2621-Pulp Mills

Construction will be in accordance with the permit application, plans, documents, and reference materials submitted unless otherwise stated in the General and Specific Conditions.

Attachment to be Incorporated:

1. Application to Construct Air Pollution Sources, DER form 17-1.122(1b) dated April 29, 1988.

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions" and as such are binding upon the permittee and enforceable pursuant to the authority of Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is hereby placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of the "Permit Conditions" by the permittee, its agents, employees, servants or representatives.

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. Nor 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 does not constitute 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, plant or aquatic life or property and penalties therefore caused by the construction or operation of this permitted source, 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.

GENERAL CONDITIONS:

6. The permittee shall at all times 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.

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, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:

a. Having access to and copying any records that must be kept under the conditions of the permit;

b. Inspecting the facility, equipment, practices, or operations regulated or required under this permit; and

c. Sampling or monitoring 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 notify and provide the Department with the following information:

a. a description of and cause of non-compliance; and

b. the period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.

GENERAL CONDITIONS:

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 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 arising under the Florida Statutes or Department rules, except where such use is proscribed by Sections 403.73 and 403.111, Florida Statutes.

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

11. This permit is transferable only upon Department approval in accordance with Florida Administrative Code Rules 17-4.12 and 17-30.30, as applicable. The permittee shall be liable for any noncompliance of the permitted activity until the transfer is approved by the Department.

12. This permit is required to be kept at the work site of the permitted activity during the entire period of construction or operation.

13. This permit also constitutes:

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

14. The permittee shall comply with the following monitoring and record keeping requirements:

a. Upon request, the permittee shall furnish all records and plans required under Department rules. The retention period for all records will be extended automatically, unless otherwise stipulated by the Department, during the course of any unresolved enforcement action.

GENERAL CONDITIONS:

b. The permittee shall retain 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), copies of all reports required by this permit, and records of all data used to complete the application for this permit. The time period of retention shall be 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 date(s) analyses were performed;
- the person responsible for performing the analyses;
- the analytical techniques or methods used; and
- the results of such analyses.

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

SPECIFIC CONDITIONS:

1. This source shall be allowed to operate continuously (8760 hours per year).

2. Fugitive and unconfined particulate matter (PM) emissions shall be minimized in accordance with the following operational parameters:

a) Chips manufactured on site will be screened following storage.

SPECIFIC CONDITIONS:

b) Chips will be screened following removal from storage prior to conveying to the digesters.
c) All conveyor systems will be covered or enclosed.
d) Drop distance from the chip storage stacker is maintained to a minimum.
e) All access roads will be paved.

3. In accordance with FAC Rule 17-2.610(3), Unconfined Emissions of PM, reasonable precautions to control emissions of unconfined PM may include, but shall not be limited to the following:

a) Reduced speeds for vehicular traffic.
b) Use of liquid resinous adhesives or other liquid dust suppressants or wetting agents.
c) Removal of particulate matter from paved roads and/or other paved areas by vacuum cleaning or otherwise by wetting prior to sweeping.
d) Covering of trucks, trailers, front end loaders, and other vehicles or containers to prevent spillage of particulate matter during transport.
e) use of mulch, hydroseeding, grassing and/or other vegetative ground cover on barren areas to prevent or reduce windblown particulate matter.
f) Use of hoods, fans, filters, and similar equipment to contain, capture, and vent particulate matter.

4. The annual projected roundwood and purchased chips to be processed through the woodyard are:

Roundwood	355,118 cords/year
Purchased Chips	416,812 cords/year

5. The annual amounts of roundwood and purchased chips by type processed through the woodyard shall be submitted in the annual operating report to the DER Northwest District office by February 1 of each year.

6. The projected potential PM emissions from the woodyard chip manufacturing system shall not exceed:

PERMITTEE:
Stone Container Corp.

Permit Number: AC 03-148859
Expiration Date: April 30, 1990

SPECIFIC CONDITIONS:

Source	Project Potential PM Emissions (TPY)
Woodyard	
Debarking	10.45
Purchased chip unloading and conveying	2.17
Fugitives from own make chips	1.58
	14.20

7. The construction shall reasonably conform to the plans and schedule submitted in the application. If the permittee is unable to complete construction on schedule, he must notify the Department in writing 60 days prior to the expiration of the construction permit and submit a new schedule and request for an extension of the construction permit.

To obtain a permit to operate, the permittee must demonstrate compliance with the conditions of the construction permit and submit a complete application for an operating permit, including the application fee, test results, and Certificate of Completion, to the Department's Northwest District office 90 days prior to the expiration date of the construction permit. The permittee may continue to operate in compliance with all terms of the construction permit until its expiration date. Operation beyond the construction permit expiration date requires a valid permit to operate.

If the construction permit expires prior to the permittee requesting an extension or filing an application for a permit to operate, then all activities at the project must cease and the permittee must apply for a new permit to construct which can take up to 90 days to process a complete application.

Issued this 15th day of Aug, 1988

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION

Dale Twachtmann, Secretary

Department of Environmental Protection

Lawton Chiles
Governor

Northwest District
160 Governmental Center
Pensacola, Florida 32501-5794

Virginia B. Wetherell
Secretary

DECEMBER 4, 1995

David Buff, P.E.
KBN Engineering and Applied Sciences, Inc.
Suite 500
6241 Northwest 23rd Street
Gainesville, Florida 32653-1500

Dear Mr. Buff:

This is in response to your letter dated September 20, 1995 requesting changes to several permits issued to Stone Container. Your letter responded to issues raised by our letter dated July 11, 1995, and our subsequent teleconference.

This letter approves the requested changes as detailed below.

Woodyard Facility; AC03-148859, and AO03-190807:

You requested substitution of a visible emissions limit of 20% in lieu of projected potential PM emissions identified in specific condition 6 of permit AC03-148859, explaining that fugitive PM emissions could not be measured and compliance verified. We agree. As such, the following amendments are approved:

AC03-148859:

Specific condition 6 is deleted

AO03-190807:

Specific condition 16 is changed to include:

f) Visible emissions resulting from activities at the woodyard shall not be equal to or greater than 20%.

Lime Kiln, AC03-149719, AO03-174793:

You requested that the maximum process input rate be identified as 85,000 lbs/hr lime mud (dry) which is measured rather than the production rate of 36,700 lbs/ CaO/hr which is calculated based on the input rate. Additionally, you requested that the sulfur content limit of natural gas be deleted explaining that pipeline natural gas has negligible sulfur content. You also requested that

requirements concerning QA procedures and excess emissions reporting simply reference the appropriate regulations or rules. Lastly you request deletion of a specific condition concerning runoff since it is not germane to an air permit. We agree. As such, the following amendments are approved.

AC03-149719:

Specific condition 2 is changed to read:

The maximum process input rate shall not exceed 85,000 lbs/hr lime mud (dry) based on a maximum lime production of 36,700 lbs CaO/hr dry.

Specific condition 3 is changed by deleting the sentence:

The sulfur content of the natural gas shall not exceed 0.1 percent by weight.

AO03-174793:

Specific condition 15 is changed to read:

The maximum allowable operating rate is 85,000 lbs/hr lime mud (dry) input.

Specific condition 16 is changed by deleting the references to the sulfur content of the natural gas.

Specific condition 17 is changed so that the first sentence reads as follows:

Particulate emissions shall not exceed 29.83 pounds per hour at the maximum allowable operating rate of 85,000 lbs/hr lime mud (dry) input.

The first paragraph of specific condition 23 is revised to read:

A continuous TRS monitor for TRS shall be calibrated, maintained, and operated on the lime kiln in accordance with FAC Rule 62-296.404(5) and 40 CFR 60, Appendix F.

Paragraph A of specific condition 23 is revised to delete the sentence:

A reassessment of the QA Program plan shall be made and submitted to the Northwest District of the DEP within 60 days of the performance specification test.

Specific condition 24 is changed to read as follows:

1) The magnitude of excess emissions computed, and the date and time of commencement and completion of each period of excess emissions, in accordance with 62-296.404(6)(a)1.
2) The rule reference is changed to 62-296.404(6)(a)2
3) The rule reference is changed to 62-296.404(6)(a)3
4) The rule reference is changed to 62-296.404(6)(a)4
5) The rule reference is changed to 62-296.404(6)(b)

Specific condition 27 is deleted.

No. 1 and 2 Smelt Dissolving Tanks, AO03-222668, AO03-240550:

You requested changes in these permits for consistency between the permits, to cite the correct references, and to improve clarity. Additionally, you request deletion of a specific condition concerning runoff since it is not germane to an air permit. We agree with your suggestions. As such the following amendments are approved.

AO03-222668:

The description is changed to read:

Operation of the No. 1 Smelt Dissolving Tank at a maximum operating rate equal to the maximum allowed operating rate of the No. 1 Recovery Boiler which is 123,700 pounds Black Liquor Solids per hour. Smelt from the recovery boiler is dissolved in weak wash. Particulate emissions are controlled by demister pads made by Otto H. York Company; total reduced sulfur (TRS) emissions are controlled by weak wash sprays. The flow rate of weak wash sprays is monitored as a surrogate compliance parameter.

Specific condition 2 is changed to read as follows:

The maximum allowable operating rate is 123,700 lbs/hr Black Liquor Solids fed to Recovery Boiler No. 1. This is the operating rate at which compliance with standards shall be demonstrated. Testing of emissions shall be conducted with the source operating at capacity. Capacity is defined as 90 to 100% of rated capacity. If it is impracticable to test at capacity, then sources may be tested at less than capacity; if the source is tested at less than capacity subsequent source operation is limited to 110% of the test load until a new test is conducted. Once the unit is so limited, then operation at higher capacity is allowed for no more than fifteen days for purposes of additional compliance testing to regain the rated capacity in the permit with prior notification to the Department.

Specific condition 4 is changed as follows:

FAC Rule reference 17-296.710(2) is changed to 62-296.310(1)
FAC Rule reference 17-296.404(d)(1) is changed to 62-296.404(3)(d)(1)
The two columns labeled "Estimated Emissions" are deleted

Specific condition 10 is deleted.

AO03-240550

The second sentence of the description is changed to read as follows:

Smelt from the recovery boiler is dissolved in weak wash to produce green liquor.

Specific condition 6 is changed by adding:

Weak wash spray flow rate shall be recorded at least once per shift.

No. 1 and 2 Recovery Boilers, AO03-222669, AO03-240555:

You requested changes in these permits for consistency between the permits, and to cite the correct references. You also requested that requirements concerning QA procedures and excess emissions reporting simply reference the appropriate regulations or rules. We agree. As such, the following amendments are approved.

AO03-222669:

Specific condition 4 is changed as follows:

The two columns labeled "Estimated Emissions" are deleted.

Under allowable emissions, TRS delete all and replace with footnote 2 to read as follows:

2. 17.5 ppm by volume, dry basis at standard conditions, at 8% O2, 12 hour average.

Specific condition 7 is changed as follows:

The first sentence is revised to read:

A continuous TRS monitor for TRS shall be calibrated, maintained and operated on the recovery boiler in accordance with FAC Rule 62-296.404(5) and 40 CFR 60, Appendix F.

The second sentence is deleted.

A. Delete the sentence: A reassessment of the QA Program plan shall be made and submitted to the Northwest District of the DEP within 60 days of the performance specification test.

Specific condition 8 is changed to read as follows:

A) The magnitude of excess emissions computed, and the date and time of commencement and completion of each period of excess emissions, in accordance with 62-296.404(6)(a)1.
B) The rule reference is changed to 62-296.404(6)(a)2
C) The rule reference is changed to 62-296.404(6)(a)3
D) The rule reference is changed to 62-296.404(6)(a)4
E) The rule reference is changed to 62-296.404(6)(b)

AO03-240555

The general description is changed to read as follows:

Operation of Recovery Boiler No. 2, fueled by 123,700 pounds of black liquor solids (BLS) per hour. No. 6 fuel oil and/or natural gas is used as auxiliary fuel. The maximum sulfur content of the fuel oil is 2.5%. Particulates (PM) are controlled by an electrostatic precipitator manufactured by Koppers, two sections of four fields each. Total reduced sulfur (TRS) emissions are controlled by oxidation of the black liquor prior to entering the boiler fire box.

Specific condition 6 is changed as follows:

The first sentence is revised to read as follows:

The continuous monitor (CEM) for TRS shall be calibrated, maintained and operated in accordance with FAC Rule 62-296.404(5) and 40 CFR 60, Appendix F.

The following sentence is deleted from paragraph A:

A reassessment of the AQ Program plan shall be made and submitted to the Northwest District of the DEP within 60 days of the performance specification test.

The language "and surrogate parameter" is deleted from specific condition 9.

No. 3 & 4 Bark Boilers; AO03-252353, AC03-190964, AO03-223447

You requested changes to these permits adding emissions limits identified by rule, providing consistency between permits, and eliminating unnecessary notifications.

AO03-252353

Add to the column "Allowable Emissions" in Specific condition 6 for PM, after natural gas, "and fossil fuels"

AC03-190964

Add to the list of fuels in specific condition 4:

Primary clarified wood waste; 10 TPD; 0 Btu/hr

Delete the following language from specific condition 19:

The Department's Northwest District office shall be notified in writing when the boiler is switched to incinerating TRS gases and/or operating at 100% fossil fuel..

AO03-223447

Change the fourth sentence in the general description to read as follows:

Sulfur dioxide emissions when incinerating TRS gases or when burning 100 percent fuel oil are controlled by maintaining a minimum pH of 8.0 in the wet scrubber.

If you have any questions or comments, please contact Bob Kriegel of this office at (904) 444-8364.

Sincerely,

Ed K. Middleswart, P.E.
Program Administrator
Air Resources Management

EKM:bkc

cc: David Riley, Stone Container Corporation
A. A. Linero, DEP Division of Air Resources Management, Tallahassee
Jenny Arias, DEP Northwest District Branch Office, Panama City

PM
28 April 1988
Panama City, FL

File Copy
AC 03-148859

Stone Container Corporation

Panama City Mill

Containerboard and Paper Division

Post Office Box 2560
Panama City, Florida 32402

(904) 785-4311

Fold at line over top of envelope to the right of the return address

CERTIFIED

P 798 525 559

MAIL

Mr. Bill A. Thomas
Bureau of Air Quality Management
Florida Dept. of Environmental Regulation
2600 Blair Stone Road
Tallahassee, FL 32399-2400

Dear Mr. Thomas:

Enclosed are four copies of a permit application to construct a new woodyard at the Panama City Mill of Stone Container Corporation. The new facility will replace the existing woodyard at Panama City. A check for $100.00 is enclosed to cover the permitting fee.

You will note that the new facility will result in a significant reduction in fugitive emissions from the wood handling, debarking, and chipping at the Panama City Mill.

Yours very truly,

L. D. Riley, Jr.

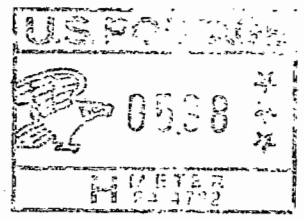
L. D. Riley, Jr.
Environmental Superintendent

LDR,Jr.:cf

cc: J. F. Stewart
J. B. Prescott
G. P. Nellis
Curtis Barton - Atlanta
Robert V. Kriegel - FDER Pensacola

Copied: Teresa Heron

RECEIVED
DER - MAIL ROOM
1988 APR 29 PM 2 11



Stone
Container
Corporation
Containerboard and
Paper Division

Post Office Box 2560
Panama City, Florida 32402

Mr. Bill A. Thomas
Bureau of Air Quality Management
FL. Dept. of Environmental Reg.
2600 Blair Stone Road
Tallahassee, FL 32399-2400

Stone Container Corporation
PANAMA CITY MILL
PANAMA CITY, FLORIDA

NO. 11984

FILE NO	DATE
	04/22/88

PAY EXACTLY $****100.00********** $****100.00*

PAY TO THE ORDER OF

Stone Container Corporation
GENERAL ACCOUNT-PANAMA CITY MILL

FLORIDA DEPARTMENT OF
ENVIRONMENTAL REGULATION

J. G. Stewart

Philip W. Cunningham

TO NCNB NATIONAL BANK OF N.C.
ASHEVILLE, NORTH CAROLINA

[redacted]

STATE OF FLORIDA

DEPARTMENT OF ENVIRONMENTAL REGULATION

Receipt # 117543 $100.00

AC 03-148859

RECEIVED

APR 29 1988

DER - BAQM

NORTHWEST DISTRICT
BRANCH OFFICE
340 WEST 23RD STREET
PANAMA CITY, FLORIDA 32405

APPLICATION TO OPERATE/CONSTRUCT AIR POLLUTION SOURCES

SOURCE TYPE: _____ [ ] New[1] [ ] Existing[1]

APPLICATION TYPE: [X] Construction [ ] Operation [ ] Modification

COMPANY NAME: Stone Container Corporation COUNTY: Bay

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) Woodyard

SOURCE LOCATION: Street #1 Everett Ave. City Panama City

UTM: East _____ North _____

Latitude ____° ____' ____"N Longitude ____° ____' ____"W

APPLICANT NAME AND TITLE: Stone Container Corporation - Panama City Mill

APPLICANT ADDRESS: P. O. Box 2560, Panama City, FL 32402

SECTION I: STATEMENTS BY APPLICANT AND ENGINEER

A. APPLICANT

I am the undersigned owner or authorized representative* of Stone Container Corporation

I certify that the statements made in this application for a Construction 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: L. D. Riley, Jr.

L. D. Riley, Jr. - Environmental Superintendent
Name and Title (Please Type)

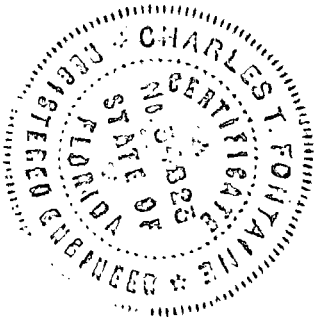
Date: 4/27/88 Telephone No. (904)785-4311

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 judgment, that

[1] See Florida Administrative 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 _____

Charles T. Fontaine
Name (Please Type)

Stone Container Corporation
Company Name (Please Type)

P. O. Box 2560, Panama City, FL 32401
Mailing Address (Please Type)

Florida Registration No. 34823 Date: 4/27/88 Telephone No. 904 785 4311

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.

Construct new woodyard. (See Enclosed Process Description and Estimated Emissions calculations)

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

Start of Construction When permit is issued Completion of Construction October 15, 1989

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.)

See Enclosed Process Description

Cyclone Separators - $50,000

Conveyor covers and Enclosed Transfer Towers - $120,000

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

None

E. Requested permitted equipment operating time: hrs/day 24 ; days/wk 7 ; wks/yr 50 ;

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)

1. Is this source in a non-attainment area for a particular pollutant? NO

   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. No

3. Does the State "Prevention of Significant Deterioriation" (PSD) requirement apply to this source? If yes, see Sections VI and VII. No

4. Do "Standards of Performance for New Stationary Sources" (NSPS) apply to this source? No

5. Do "National Emission Standards for Hazardous Air Pollutants" (NESHAP) apply to this source? No

H. Do "Reasonably Available Control Technology" (RACT) requirements apply to this source? _____

   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		
Wood Chips	None		See Enclosed	
Long Wood	Bark	9.5	Process	
			Description	

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

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

2. Product Weight (lbs/hr): _____

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

Name of Contaminant	Emission[1]		Allowed[2] Emission Rate per Rule 17-2	Allowable[3] Emission lbs/hr	Potential[4] Emission		Relate to Flow Diagram
	Maximum lbs/hr	Actual T/yr			lbs/yr	T/yr	
See Enclosed Emissions Estimate Calculations							

[1]See Section V, Item 2.

[2]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)

[3]Calculated from operating rate and applicable standard.

[4]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)

E. Fuels

Type (Be Specific)	Consumption*		Maximum Heat Input (MMBTU/hr)
	avg/hr	max./hr	

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

Fuel Analysis:

Percent Sulfur:_____ Percent Ash:_____

Density: _____ lbs/gal Typical Percent Nitrogen:_____

Heat Capacity: _____ BTU/lb _____ BTU/gal

Other Fuel Contaminants (which may cause air pollution):_____

_____

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

Annual Average _____ Maximum _____

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

_____

_____

_____

_____

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

Stack Height: _____ ft. Stack Diameter: _____ ft.

Gas Flow Rate: _____ ACFM _____ DSCFM Gas Exit Temperature: _____ °F.

Water Vapor Content: _____ % Velocity: _____ FPS

SECTION IV: INCINERATOR INFORMATION

Type of Waste	Type 0 (Plastics)	Type I (Rubbish)	Type II (Refuse)	Type III (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 $(ft)^3$	Heat Release (BTU/hr)	Fuel		Temperature (°F)
			Type	BTU/hr	
Primary Chamber					
Secondary Chamber					

Stack Height: _____ ft. Stack Diamter: _____ 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 device: [ ] 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 1/2" 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 1/2" 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 (Example: Copy of relevant portion of USGS topographic map).

8. An 8 1/2" 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

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 Device:

b. Operating Principles:

c. Efficiency:[1]

d. Capital Cost:

e. Useful Life:

f. Operating Cost:

g. Energy:[2]

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:[1]

d. Capital Cost:

e. Useful Life:

f. Operating Cost:

g. Energy:[2]

h. Maintenance Cost:

i. Availability of construction materials and process chemicals:

[1]Explain method of determining efficiency.
[2]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:[1]

d. Capital Cost:

e. Useful Life:

f. Operating Cost:

g. Energy:[2]

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:[1]

d. Capital Costs:

e. Useful Life:

f. Operating Cost:

g. Energy:[2]

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:[1]

3. Capital Cost:

4. Useful Life:

5. Operating Cost:

6. Energy:[2]

7. Maintenance Cost:

8. Manufacturer:

9. Other locations where employed on similar processes:

a. (1) Company:

(2) Mailing Address:

(3) City:

(4) State:

[1]Explain method of determining efficiency.
[2]Energy to be reported in units of electrical power - KWH design rate.

(5) Environmental Manager:

(6) Telephone No.:

(7) Emissions:[1]

Contaminant	Rate or Concentration

(8) Process Rate:[1]

b. (1) Company:

(2) Mailing Address:

(3) City: (4) State:

(5) Environmental Manager:

(6) Telephone No.:

(7) Emissions:[1]

Contaminant	Rate or Concentration

(8) Process Rate:[1]

10. Reason for selection and description of systems:

[1]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

A. Company Monitored Data

1. _____no. sites _____ TSP _____( ) SO^2* _____ 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).

2. Instrumentation, Field and Laboratory

a. Was instrumentation EPA referenced or its equivalent? [ ] Yes [ ] No

b. Was instrumentation calibrated in accordance with Department procedures?

[ ] Yes [ ] No [ ] Unknown

B. Meteorological Data Used for Air Quality Modeling

1. _____ Year(s) of data from _____/_____/_____ to _____/_____/_____
month day year month day year

2. Surface data obtained from (location)_____

3. Upper air (mixing height) data obtained from (location)_____

4. Stability wind rose (STAR) data obtained from (location)_____

C. Computer Models Used

1. _____ Modified? If yes, attach description.

2. _____ Modified? If yes, attach description.

3. _____ Modified? If yes, attach description.

4. _____ Modified? If yes, attach description.

Attach copies of all final model runs showing input data, receptor locations, and principle output tables.

D. Applicants Maximum Allowable Emission Data

Pollutant	Emission Rate	
TSP	_____	grams/sec
SO^2	_____	grams/sec

E. Emission Data Used in Modeling

Attach list of emission sources. Emission data required is source name, description of point source (on NEDS point number), UTM coordinates, stack data, allowable emissions, and normal operating time.

F. Attach all other information supportive to the PSD review.

G. Discuss the social and economic impact of the selected technology versus other applicable technologies (i.e., jobs, payroll, production, taxes, energy, etc.). Include assessment of the environmental impact of the sources.

H. Attach scientific, engineering, and technical material, reports, publications, journals, and other competent relevant information describing the theory and application of the requested best available control technology.

STONE CONTAINER CORPORATION
Panama City Mill
Proposed New On-site Woodyard

It is the intent of Stone Container Corporation to replace its existing woodyard at the Panama City Mill with a new facility. The new facility will reduce our log processing by approximately 356,000 cords per year with an increase in chip receipts of approximately the same amount. The new woodyard configuration will result in a more cost effective operation for the mill.

System Comparisons

Equipment	Existing	Proposed
Barking drums	3	1
Chippers	2 (Blowing Discharge)	1 (Gravity Discharge)
Purchased Chip Unloading		
a. Railcars	Hoppers(Bottom Discharge)	Roto-Dumper
b. Truck	Vertical lift	Vertical lift
Purchased Chip Conveying	Pneumatic	Covered belt conveyors
Bark Conveying to Hog	Open Belt conveyor	Covered belt conveyors
Bark Hogging	Swinging hammer	Swinging hammer
Bark conveying to Silo	Belt with open Discharge	Pneumatic with cyclone Separator

Emission Estimates

1. Old System
   A. Debarking
   Pedco Environmental has reported a value of 0.024 lbs. of fugitive emissions per ton of logs debarked. (Publication No. EPA 450/3-77-010) Applying this factor to the 1987 actual quantity of logs debarked the fugitive emissions would have been 21.55 tons/yr.

   Wood debarked: 690,662 cords
   Wood weight: 5,200 lbs./cord
   Factor: 0.024 lbs fugitives/tons

   $$\frac{690{,}662 \text{ cords/yr} \times 5200 \text{ lbs/cord}}{2000 \text{ lbs/ton}} \times 0.024 \text{ lbs. fugitive/ton}$$

   B. Purchased Chip conveying, and Handling

   Pedco Environmental reported 1.0 lbs fugitive emissions when handling 100% sawdust. Purchased chips contain approximately 2% fines, therefore only 2% of the chips are subject to dusting. Also since the fines are mixed with chips, only a portion of the fines will be subject to dusting. We have therefore reduced the fugitive particle factor to 0.5 lbs per ton of fines. Fugitive emissions would have been 1.28 tons/yr.

Purchased Chips: $\frac{98,174 \text{ Cords/yr} \times 5200 \text{ lbs/cord}}{2000 \text{ lbs/ton}} = 255252 \text{ tons/yr}$

Fugitive Particles: 255252 tons/yr x 2% Fines x 0.5 lbs fugitives/ton

$= \frac{2553 \text{ lbs/yr}}{2000 \text{ lbs/ton}} = 1.28 \text{ tons/yr}$

C. Fugitives from own make chips

$$\frac{690,662 \text{ Cords Roundwood/Yr.} \times 5200 \text{ lbs/cord} - 500 \text{ lbs. bark/cord} \times 690,662 \text{ cords}}{2000}$$

= 1,623,055 tons chips/yr

$$\text{Fugitives} = \frac{1,623,055 \text{ Tons Chips/Yr} \times 2\% \text{ Fines} \times 0.5 \text{ Lbs.Fugitives/Ton Fines}}{2000}$$

= 8.12 Tons Fugitives/Yr.

Total Fugitives from existing system: 21,55 Tons/Yr + 1.28 Tons/Yr + 8.12 Tons/Yr

= 30.95 Tons/Yr.

2. Proposed System

A. Debarking

Roundwood: 335,118 Cords/Yr
Weight: 5200 lbs/Cord
Fugitives Factor: 0.024 lbs/ton of roundwood

$$\text{Fugitives} = \frac{335,118 \text{ Cords/Yr} \times 5200 \text{ lbs/Cord} \times 0.024}{2000}$$

$= \frac{20,911 \text{ lbs/Yr}}{2000 \text{ lbs/ton}} = 10.45 \text{ tons/yr}$

B. Purchased Chip Unloading and Conveying

Since all purchased chip conveying will be done in covered mechanical conveyors utilizing covered transfer points and all chip discharging from conveyors will be done in enclosed towers, we are using a factor of 0.2 lbs fugitive emissions per ton of fines.

Purchased Chips: 416,812 cords/yr.
Weight: 5200 lbs/cord
% Fines in Chips: 2%
Fugitive factor: 0.2 lbs/ton of fines

Fugitive Emissions: 416,812 cords/yr x 5220 lbs/cord x 2% Fines x 0.2 lbs/%fines

$= \frac{4335 \text{ lbs/Yr}}{2000} = 2.17 \text{ Tons/Yr.}$

C. Fugitives from own make chips

$$\text{Chips} = \frac{335{,}119 \text{ Cords Roundwood/Yr } 5200 \text{ lbs/cord} - 500 \text{ lbs bark/cord} \times 335{,}118 \text{ Cords}}{2000}$$

$$= 787{,}527 \text{ Tons/Yr.}$$

Fugitives = 787,527 Tons Chips/Yr. x 2% Fines x 0.2 lbs. fugitives/Tons of Fines

$$= \frac{3150 \text{ lbs/Yr.}}{2000 \text{ lbs/ton}} = 1.58 \text{ Tons/yr.}$$

Total Estimated Fugitives from new system = 10.45 tons/yr. +2.17 ton/yr + 1.58 ton of yr.

= 14.2 tons/yr.

3. Net Emissions Change

Proposed - Existing = Net

14.2 tons/yr. - 30.95 tons/yr = - 16.75 tons/year (Decrease)

Net emissions does not include reductions from having the accesses and traffic areas in the proposed facilities paved as compared to the unpaved existing woodyard.

2.17
1.58
3.75

KONE KONE WOOD

Stone Container Corporation
Panama City, Florida
Modernization Project
On-Site Woodyard Facility

KONE WOOD Inc.
Atlanta, Georgia
December 22, 1987
KONE WOOD Quote No. BQ-3062

EXHIBIT "E"

1. Equipment Specification

1.1 Description

The equipment described below has been selected by KONE WOOD based on our many years of experience in woodyard design and equipment manufacturing. Our knowledge of wood and chip processing and handling enables us to produce systems economically and with an expected life of many years of constant and reliable operation.

All structural supports for the chip and bark handling equipment will be hot dip galvanized. Plate work, including chutes, log conveyors and loading skirts will be sandblasted and coated with a three (3) coat epoxy painting system.

The following is a brief description of the major equipment components of the system we propose to furnish.

Position Number	Description	
103	Longwood Crane:	
	- Manufacturer	Manitowoc
	- Net capacity	40 tons
	- Radius	150 feet
	- Lifting height	65 feet clear
	- Grapple	Mack ILGSCHR-60
	- Grapple capacity	60 sq feet
	- Storage under grapple	5,000 cd. softwood 2,500 cd. hardwood
105	PowerFeed Conveyor:	
	- Manufacturer	KONE WOOD
	- Length	95'-0"
	- Width	8'-0" to 13'-6"
	- Inclination	Level
	- Speed	Variable, 10-60 ft/min, Average 30 ft/min
	- Capacity	
	- pine	85 cords/hour
	- hardwood	55 cords/hour
	- Horsepower	60

KONE KONE WOOD

Stone Container Corporation
Panama City, Florida
Modernization Project
On-Site Woodyard Facility

KONE WOOD Inc.
Atlanta, Georgia
December 22, 1987
KONE WOOD Quote No. BQ-3062

EXHIBIT "E"....

1.1 Description....

105 PowerFeed Conveyor/continued

The PowerFeed conveyor consists of multiple strands of WHX-132 chain with flights to assist in the flow of wood, installed in the eight (8) foot wide trough bottom. It is powered by one (1) sixty (60) horsepower AC variable frequency electro-mechanical drive, consisting of a parallel shaft, foot-mounted speed reducer and chain transmission. The drive shaft consists of specially designed split sprockets mounted on a large diameter torque tube. The conveyor is constructed of heavily reinforced 1-inch thick plate, with a 3/4-inch thick abrasion-resistant wear plate in the live bottom, energy-absorbing sand pockets in the impact section and supported by structural tube columns. The feed cylinder section consists of a fully covered trough made of 1-inch thick plate with a radius of 6'-9".

106 Barking Drum:

- Manufacturer	KONE WOOD
- Main dimensions	
- inside diameter	14'-9"
- length	90'-0"
- rotation speed	Variable, 6-10 RPM
- Capacity (average)	
- pine	85 cords/hour
- hardwood	55 cords/hour

Drum Shell

- Plate thickness	1-5/8"
- Material	Fe37B (ASTM A283-D)
- Bark slot size	1-3/4" x 25-1/2"
- Bark slot area	6 percent
- Discharge cone	
- primary diameter	14'-9"
- secondary diameter	13'-0"

The drum shell is manufactured of steel plate and stiffened with rings which are attached around the slots. The ends of the bark slots are rounded and the slots are cut diagonally with respect to the drum centerline, which enhances the bark removal efficiency. The cut edges are rounded by grinding or steel shot blasting.

KONE KONE WOOD

Stone Container Corporation
Panama City, Florida
Modernization Project
On-Site Woodyard Facility

KONE WOOD Inc.
Atlanta, Georgia
December 22, 1987
KONE WOOD Quote No. BQ-3062

EXHIBIT "E"....

1.1 Description....

Position Number	Description
106	Barking Drum/Continued

Sixteen (16) solid steel square bar log lifters are continuously welded at equal intervals around the interior of the shell. In the inlet section of the drum the lifters are installed in a spiral pattern, thereby assisting the flow of logs into the drum. There is an inlet flange at the feed end and a discharge cone at the discharge end. The cone will be designed so that the taper in the cone is small, providing a smooth change in diameter. Its function is to ensure a more uniform discharge of treelength logs. The drum is installed on a 1:100 decline, thereby taking advantage of gravity to help the flow of wood through the drum.

Support Tires

- Number	2
- Width	17-11/16"
- Outside diameter	17'-10-9/16"
- Material	Swedish OX812E (ASTM A514, Grade F)

The two (2) welded steel support tires of box construction are fixed to the drum shell by means of a special pressure fit. They are then secured from movement in the axial direction by means of locking plates. The surface of the tires is made of a hardened wear-resistant steel.

Trunnions

- Method of support	Bogie units
- Number of bogies	4, 2 per tire
- Number of wheels	8, 2 per bogie
- Wheel diameter	37"
- Width	15-3/4"
- Material	Kymenite 9805
- Thrust rollers	2

The drum tires are supported on four (4) independent bogie units, each consisting of two (2) trunnion wheels, the shafts of which are supported by spherical roller bearings. The wheels are manufactured

Stone Container Corporation
Panama City, Florida
Modernization Project
On-Site Woodyard Facility

KONE WOOD Inc.
Atlanta, Georgia
December 22, 1987
KONE WOOD Quote No. BQ-3062

EXHIBIT "E"....
1.1 Description....

Position Number	Description
106	Barking Drum/Continued

of a special wear resistant material, which contains graphite, closely matched to the tire material. This, along with the large contact surface and consequent low contact pressure, results in a durable support system.

The drum shell is axially guided by a pair of thrust rollers which bear against the edge of the driven tire. Their conical shape ensures pure rolling at the point of contact with the tire.

Drum Drive

- Master gear ring	
- tooth width	4"
- material	Kymenite 9805
- Number of drives	4
- Electric motors	4 x 200
- Speed reducers	4 Santasalo 3TKCV355

The master gear ring is driven through a pinion mounted to the same shaft as the four (4) trunnion wheels on the feed end of the drum. Each drive consists of a 200 horsepower, 1800 RPM squirrel cage motor direct-coupled to the input shaft of the shaft-mounted speed reducer. The master gear ring consists of a series of three-tooth segments keyed and bolted to the extended flange on the infeed tire. The rotational speed is varied by an AC variable frequency drive unit.

Discharge Gate

- Gate motion	Inclined
- Gate operator	Hydraulic cylinder
- HPU horsepower	20
- HPU fan horsepower	1

The discharge gate consists of a heavy steel frame and a reinforced steel plate movable gate, supported directly on concrete. The gate is equipped with rollers which travel along guide rails mounted on the frame, and is driven by a hydraulic cylinder, powered by a dedicated hydraulic power unit. Limit switches are furnished for the extreme limits of gate travel. The hydraulic power unit consists of a pump, electric motor, solenoid valves, piping, reservoir, and oil level, pressure and temperature switches.

KONE KONE WOOD

Stone Container Corporation
Panama City, Florida
Modernization Project
On-Site Woodyard Facility

KONE WOOD Inc.
Atlanta, Georgia
December 22, 1987
KONE WOOD Quote No. BQ-3062

EXHIBIT "E"....
1.1 Description....

Position Number	Description
106	Barking Drum/Continued

Lubrication

The support tires, trunnion wheels, guide rollers and master gear ring are lubricated with an automatic lubrication unit. The grease lubricant is applied using air pressure which is forced through eight (8) spray nozzles onto the contact surfaces. The air flow rate is approximately 5 cubic feet per minute, when needed, and requires a pressure of 85 PSI.

Bark Chutes

The bark chutes consist of a series of bolted panels. They are furnished with overhead hoods, which reduces the amount of dust escaping into the surrounding area. The hoods also cover the support tires, protecting them from contaminating dust and moisture.

Transportation

The drum shell will be delivered in three (3) cylindrical sections, with log lifters shop welded. This will require two (2) circular field welds, completed after the support tires have been installed. The supporting base beams, trunnion wheel units, discharge gate and guide rollers will be delivered in preassembled subunits. The bark chutes will be delivered in large sections requiring bolted field assembly.

107 Drum Discharge Conveyor:

- Manufacturer	KONE WOOD
- Length	55'-0"
- Width	3'-0" to 20'-0"
- Inclination	Level
- Speed	140 ft/min
- Capacity (average)	
- pine	85 cords/hour
- hardwood	55 cords/hour
- Horsepower	50

The drum discharge conveyor No. 1 consists of two (2) strands of WHX-132 chain with flights at appropriate intervals to assist the flow of treelength logs. The conveyor is installed at the bottom of the drum discharge chute.

KONE KONE WOOD

Stone Container Corporation
Panama City, Florida
Modernization Project
On-Site Woodyard Facility

KONE WOOD Inc.
Atlanta, Georgia
December 22, 1987
KONE WOOD Quote No. BQ-3062

EXHIBIT "E"....
1.1 Description....

Position Number	Description
110	Oversize Log Deck:....

The oversize log deck is installed on the east side of the chipper feed conveyors, between the two knuckleboom loaders. Its purpose is to serve as a storage deck for oversize and crooked logs, and to support the oversize log cut-off saw. It is constructed of heavy structural steel with a concrete deck.

Oversize Log Cut-Off Saw:

- Manufacturer	L & M Equipment
- Saw type	Hydraulic chain
- Saw travel	Hydraulic cylinder
- Saw length	60"
- Maximum log diameter	36"
- HPU horsepower	10

The oversize cut-off saw is a swing saw design and is used to separate large diameter or crooked sections from the treelength logs.

111 Chipper:

- Manufacturer	Carthage Machine Company
- Feed arrangement	Horizontal
- Discharge arrangement	Gravity
- Spout opening	30"
- Disc diameter	116"
- Number of knives	12
- Disc speed	300 RPM
- Capacity (average)	
- pine	85 cords/hour
- hardwood	55 cords/hour
- Nominal chip size	3/4"
- Maximum wood diameter	
- pine	28"
- hardwood	28"
- Motor required	2,500 horsepower, 300% pullout torque, synchronous

The chipper is furnished with a surge hopper in which is installed a level detector.

KONE KONE WOOD

Stone Container Corporation
Panama City, Florida
Modernization Project
On-Site Woodyard Facility

KONE WOOD Inc.
Atlanta, Georgia
December 22, 1987
KONE WOOD Quote No. BQ-3062

EXHIBIT "E"....
1.1 Description....

Position Number	Description	
205	Softwood Circular Chip Stacker/Reclaimer:	
	Stacker	
	- Manufacturer	AMECO S.A.R.L.
	- Type	Belt conveyor
	- Width	48"
	- Length	97'-9"
	- Speed	400 fpm
	- Conveyor capacity	220 cph
	- Storage capacity	10,000 cords
	- Conveyor horsepower	40
	- Hoist horsepower	7.5
	- Slewing horsepower	3
	Reclaimer	
	- Manufacturer	AMECO S.A.R.L.
	- Type	Chain conveyor
	- Width	80"
	- Length	
	- Luffing arm	135'-5"
	- Inclined arm	25'-6"
	- Speed	140 fpm
	- Conveyor capacity	110 cph
	- Conveyor horsepower	100
	- Hoist horsepower	30
	- Slewing horsepower	2 x 3
207	Hardwood Circular Chip Stacker/Reclaimer:	
	Stacker	
	- Manufacturer	AMECO S.A.R.L.
	- Type	Belt conveyor
	- Width	48"
	- Length	97'-9"
	- Speed	400 fpm
	- Conveyor capacity	220 cph
	- Storage capacity	10,000 cords
	- Conveyor horsepower	40
	- Hoist horsepower	7.5
	- Slewing horsepower	3

KONE KONE WOOD

Stone Container Corporation
Panama City, Florida
Modernization Project
On-Site Woodyard Facility

KONE WOOD Inc.
Atlanta, Georgia
December 22, 1987
KONE WOOD Quote No. BQ-3062

EXHIBIT "E"....
1.1 Description....

Position Number	Description	
207	Hardwood Circular Chip Stacker/Reclaimer:....	
	Reclaimer	
	- Manufacturer	AMECO S.A.R.L.
	- Type	Chain conveyor
	- Width	80"
	- Length	
	- Luffing arm	135'-5"
	- Inclined arm	25'-6"
	- Speed	140 fpm
	- Conveyor capacity	110 cph
	- Conveyor horsepower	100
	- Hoist horsepower	30
	- Slewing horsepower	2 x 3
301	Rail Dumper:	
	- Manufacturer	Peerless
	- Type	ROTO-DUMPER
	- Length	70'-0"
	- Lifting capacity	150 T
	- Rotating angle	150°
	- HPU horsepower	2 x 150
304	Rail Dumper Hopper:	
	- Manufacturer	Peerless
	- Type	RH-25
	- Length	32'-0"
	- Width	74'-0"
	- Feeder capacity	135 cph
	- Hopper capacity	80 cords
	- Horsepower	5 x 10
305	Truck Dumper:	
	- Manufacturer	Peerless
	- Type	Extended arm 65 EAD
	- Length	65'-0"
	- Width	10'-0"
	- Lifting capacity	55 T
	- Rotating angle	63°
	- HPU horsepower	2 x 50

KONE KONE WOOD

Stone Container Corporation
Panama City, Florida
Modernization Project
On-Site Woodyard Facility

KONE WOOD Inc.
Atlanta, Georgia
December 22, 1987
KONE WOOD Quote No. BQ-3062

EXHIBIT "E"....
1.1 Description....

Position Number	Description	
306	Truck Dumper Hopper:	
	- Manufacturer	Peerless
	- Type	RH-6
	- Length	12'-0"
	- Width	37'-0"
	- Feeder capacity	45 cph
	- Hopper capacity	24 cords
	- Horsepower	25
501	Softwood Chip Screen:	
	- Manufacturer	KONE WOOD
	- Type	Gyratory
	- Model number	CS 800
	- Number of decks	3
	- Screening area	
	- Each deck	270 sf
	- Total	810 sf
	- Acceptable chip size	3 - 8 mm
	- Capacity	
	- Average	49 cph
	- Maximum	73 cph
	- Horsepower	30
503A	High Density Separator:	
	- Manufacturer	Rader
	- Model	60
	- Capacity	
	- Average	10 cph
	- Maximum	23 cph
	- Horsepower	100

KONE KONE WOOD

Stone Container Corporation
Panama City, Florida
Modernization Project
On-Site Woodyard Facility

KONE WOOD Inc.
Atlanta, Georgia
December 22, 1987
KONE WOOD Quote No. BQ-3062

EXHIBIT "E"....
1.1 Description....

Position Number	Description	
503C	Softwood Chip Slicer:	
	- Manufacturer	Rader
	- Model	48-150
	- Diameter	48"
	- Width	15"
	- Slicer thickness setting	8 mm
	- Capacity	
	- Average	10 cph
	- Maximum	23 cph
	- Horsepower	150
506	Hardwood Chip Screen:	
	- Manufacturer	KONE WOOD
	- Type	Gyratory
	- Model number	CS 800
	- Number of decks	3
	- Screening area	
	- Each deck	270 sf
	- Total	810 sf
	- Acceptable chip size	3 - 8 mm
	- Capacity	
	- Average	51 cph
	- Maximum	76 cph
	- Horsepower	30
508A	High Density Separator:	
	- Manufacturer	Rader
	- Model	60
	- Capacity	
	- Average	10 cph
	- Maximum	23 cph
	- Horsepower	100

KONE WOOD

Stone Container Corporation
Panama City, Florida
Modernization Project
On-Site Woodyard Facility

KONE WOOD Inc.
Atlanta, Georgia
December 22, 1987
KONE WOOD Quote No. BQ-3062

EXHIBIT "E"....
1.1 Description....

Position Number	Description	
508C	Hardwood Chip Slicer:	
	- Manufacturer	Rader
	- Model	48-150
	- Diameter	48"
	- Width	15"
	- Slicer thickness setting	8 mm
	- Capacity	
	- Average	10 cph
	- Maximum	23 cph
	- Horsepower	150

KONE KONE WOOD

Stone Container Corporation
Panama City, Florida
Modernization Project
On-Site Woodyard Facility

KONE WOOD Inc.
Atlanta, Georgia
December 22, 1987
KONE WOOD Quote No. BQ-3062

EXHIBIT "E"....

1.2 Control Philosophy

1.2.1 General

The control system for the Proposed New Woodyard includes all necessary hardware and software to control the system. The programmable logic controller will be a General Electric Series Six PC with General Electric Genius Type "stand-alone" I/O modules, or approved equal. It will consist of one (1) Series Six processor with 4K memory/1K registers. The I/O modules will be of the isolated type for MCC I/O points and non-isolated for other I/O points.

Control will be by a General Electric Operator Interface Terminal system utilizing the General Electric KD512 CRT/keypad terminal, which will be located in the control room. In addition to the keypad, a small pushbutton terminal will be provided for frequently used functions, such as the drum discharge gate and the chipper feed equipment. The equipment can be controlled individually or in groups through the color graphic video terminal and keyboard. The status of operation will be indicated by using colors and/or blinking symbols and each display will have an alarm page for alarm and fault messages.

All equipment will be furnished with adequate electric field devices to allow the operator to monitor the function of equipment in the system. The operating logic will be such that all equipment operating in series is interlocked to ensure proper operation.

1.2.2 Primary Control

Primary control of all woodyard operations from the receipt of treelength wood, shortwood and purchased chips up to the chip and hogged bark storage piles will be from the control room located above the drum discharge chute. Also, primary control of chip reclaiming and screening, as well as hogged bark reclaiming will also be from this station. The operator interface at this point will be primarily through the color graphic video terminal keyboard and pushbutton station. The operation of the longwood crane will be from an operator's cab located on the crane. The truck and rail purchased chip dumpers will be controlled from a local pushbutton panel located adjacent to these pieces of equipment.

KONE KONE WOOD

Stone Container Corporation
Panama City, Florida
Modernization Project
On-Site Woodyard Facility

KONE WOOD Inc.
Atlanta, Georgia
December 22, 1987
KONE WOOD Quote No. BQ-3062

EXHIBIT "E"....

1.2 Control Philosophy....

1.2.3 Secondary Control

All the equipment from the storage piles to the pulp mill is controlled from the digester control room. Starters for the new equipment in this area are located in a new MCC building. The PLC logic for the new equipment in this area is included in KONE's PLC system. Neither PLC hardware nor software is provided for existing equipment; only necessary I/Os for interlocking signals are included. These I/Os are located in the Owner's control center in the digester control room.

1.2.4 Television Monitoring System

Television cameras will be furnished to provide operators with observation capabilities in critical areas not visible from the control stations. The following lists all cameras and the location of the appropriate monitors:

Camera Location	Monitor Location
Entrance Gate/Construction Parking	Scale House
Shortwood Hopper	Woodyard Control Room
Drum Discharge	Woodyard Control Room
Softwood Chip Pile	Woodyard Control Room
Hardwood Chip Pile	Woodyard Control Room
Hogged Bark Pile	Woodyard Control Room
	Power Plant Control Room
Purchased Chip Unloading Station	Woodyard Control Room
Bark Scalping Screen	Woodyard Control Room
Chip Screens	Woodyard Control Room
	Digester Control Room

KONE KONE WOOD

Stone Container Corporation
Panama City, Florida
Modernization Project
On-Site Woodyard Facility

KONE WOOD Inc.
Atlanta, Georgia
December 22, 1987
KONE WOOD Quote No. BQ-3062

3. Scope of Work

3.1 Description of Facilities - Proposed New On-Site Woodyard

3.1.1 Truck Traffic

Incoming trucks are weighed on a new electronic truck scale located approximately 700 feet southwest of the existing scale. Outgoing trucks exit the mill at the same gate through which they entered, and are weighed on the outbound truck scale. The truck scales and roads up to the new longwood storage area are new. The proposed scale location will allow adequate staging of incoming truck traffic to keep vehicles from creating congestion on U.S. Highway No. 98 adjacent to the mill gate. The existing electronic scale will be relocated adjacent to the new scale and scale house. KONE WOOD drawing no. BO-3062 shows the traffic pattern for all fiber trucks.

3.1.2 Facility Location

The new treelength woodyard will be located south and east of the existing purchased chip system. The PowerFeed conveyor, barking drum and chipper will be located to the west of the old salt cake scale and southeast of the existing purchased chip system. The new pine and hardwood chip stacker/reclaimers will be located between the existing purchased chip system and the existing east yard conveyor. The new purchased chip facility will be located approximately 700 feet south of the existing purchased chip system. The new screen room will be located between the existing east and west yard conveyors approximately 200 feet south of the existing west barking drum. A new 700 ton storage pile for hog fuel will be located just to the east of the existing purchased chip system.

3.1.3 Treelength Wood Unloading and Storage

All treelength wood will be delivered to the mill by truck. The wood will be processed by one (1) rotary portal longwood crane.

Treelength storage for approximately 5,000 cords of softwood and 2,500 cords of hardwood is available underneath the crane. Sitework in the treelength log storage area will be of sufficient strength to support the longwood inventory. It will be sloped to provide for adequate storage density by allowing for log taper.

KONE KONE WOOD

Stone Container Corporation
Panama City, Florida
Modernization Project
On-Site Woodyard Facility

KONE WOOD Inc.
Atlanta, Georgia
December 22, 1987
KONE WOOD Quote No. BQ-3062

3. Scope of Work....

3.1.6 Barking Drum

The barking drum will be designed for treelength barking of either pine or hardwood. The drum will be furnished with a variable speed drive, so that its rotational speed can be varied for changes in season, climate, specie and required rate. It will also be furnished with diagonal bark slots the full length, along with center discharge bark chutes. The first ten (10) feet of the drum will be equipped with spiral log lifters to enhance the flow of wood into the drum. The remainder of the lifters will be parallel to the centerline of the drum. A discharge cone, which tapers to a diameter of 13'-0", will be furnished. This will enhance the behavior of the logs as they exit the drum. A hydraulically operated discharge gate, mounted on an incline, will be used by the operator to vary the level of wood in the drum when running shortwood. Therefore, the combination of the discharge cone and gate, along with variable speed of the infeed conveyor and the drum, gives the operator the opportunity to optimize the debarking efficiency of the system along the entire range of conditions.

3.1.7 Chipper Feed System

The debarked logs will discharge from the barking drum, through the discharge cone, into the discharge chute. The dimensions of the chute are sufficient to contain the treelength logs, and it will be of heavily reinforced 1-1/2 inch and 1 inch steel plate. A series of two (2) conveyors will transport the wood from the barking drum to the chipper.

The Drum Discharge Conveyor is actually located at the bottom of the discharge chute. It consists of two (2) strands of WHX-132 chain with flights at appropriate intervals to assist the wood flow. It conveys the logs to chipper feed Speed-up Rolls. They consist of a series of seven (7) three-roll groups of spiked and fluted rollers. Each set of rollers is turning approximately ten (10) percent faster than the preceeding set. The logs are then being propelled at the proper speed for feeding the chipper. Both the Drum Discharge Conveyor and the Speed-up Roll are installed in a wide trough with gently sloping bottom aprons and vertical sidewalls. Hydraulically operated pivoting kickers will be installed in the side aprons, near the bulkhead at the chipper spout.

3. Scope of Work....

A remotely controlled knuckle boom loader will be provided near the chipper. The function of this unit is to clear jams and to remove oversize and crooked logs from the system. These objectionable logs will be loaded onto a static log deck, where they will be stored. A retractable saw will be provided to cut the oversize or crooked section of the log. The log will be returned to the chipper feed system, using the knuckle boom loader, and the rejected piece of log will be discarded.

3.1.8 Chipper

The Chipper will be horizontally fed from the chipper feed Speed-up Rolls. The discharge of chips will be by gravity through the bottom of the housing. It will have a 116-inch diameter disc with twelve (12) knives, and will be powered by a 2,500 horsepower, 300 rpm synchronous motor with 300% pullout torque. With a 30-inch spout, this chipper will be capable of chipping an endless hardwood log (excluding hickory) 28 inches in diameter, or an endless pine log 28 inches in diameter, into 3/4-inch chips.

The receiving hopper, which collects the chips discharged from the chipper, will be equipped with a level detector interlocked to the Speecd-up Rolls. The Chip Feeder, with three (3) strands of WD-480 drag chains will meter chips from this hopper onto Chip Conveyor No. 1.

3.1.9 Purchased Chip System

Purchased chips will be received by both truck and rail. Purchased chips received by truck will be unloaded by a 10' wide x 65' long extended-arm hydraulic dumper capable of lifting a tractor-trailer combination weighing up to 55 tons. The chips will dump into a live-bottom receiving hopper with a capacity of approximately 24 cords. Purchased chips which arrive by rail will be unloaded by a Peerless ROTO-DUMPER with the capability of unloading cars up to 70' in length and weighing up to 150 tons. It will be equipped with a live-bottom receiving hopper with a capacity of approximately 80 cords.

The chips will be metered from either of the receiving hoppers onto a system of belt conveyors. These conveyors will be equipped with weighing equipment and a magnet to remove tramp metal from the flow of material. The chips will be conveyed up to the chip stacker/ reclaimers where they will be stored onto the appropriate storage pile.

3. Scope of Work....

3.1.10 Chip Storage and Reclaim

Two (2) outside chip storage piles will be provided with the system, one dedicated for softwood and one for hardwood. Each of the piles will be furnished with an automatic stacker/reclaimer, whose function is to stack-out the chips and reclaim them. Each stacker consists of a rotating, luffing belt conveyor which places the chips onto the pile. Each reclaimer consists of a rotating, luffing scraper, made up of specially-designed flights installed on a pair of conveyor chain. The rate of reclaim is controlled by the on-board PLC and is based on the required usage as determined by the digester operator. The chip conveyors which carry chips to the existing silo feed conveyors will be equipped with belt scales which provide a signal to the PLC which, in turn, varies the reclaim rate, taking screen losses into account. This interactive system will allow for proper reclaim rates during all scheduled pulp mill conditions.

3.1.11 Chip Thickness Screening

The chip thickness screening system essentially consists of two independent screening systems, one dedicated for softwood and one for hardwood. Each system consists of a large gyratory screen with hole sizes selected to correspond to the statistical correlation between chip thickness and chip length for this system. The acceptable thickness for this system will be eight (8) millimeters.

The oversize material will be conveyed to a high density separator which removes the heavy rocks and metallic material. The chips are then conveyed to a thickness slicer which reduces their thickness to eight (8) millimeters, and discharges them onto the accepts belt conveyor.

The acceptable material, which will range in thickness from three (3) to eight (8) millimeters, will discharge from the screen directly onto the accepts belt conveyor. At that point it will be joined by the product from the thickness slicer, weighed and conveyed to the appropriate existing chip silo feed conveyor.

The fines from both screens will be collected Fines Conveyor No. 1 which will discharge into and be conveyed by a pneumatic Fines Conveyor No. 2 to a point adjacent to the new hogged bark storage pile.

KONE KONE WOOD

Stone Container Corporation
Panama City, Florida
Modernization Project
On-Site Woodyard Facility

KONE WOOD Inc.
Atlanta, Georgia
December 22, 1987
KONE WOOD Quote No. BQ-3062

3. Scope of Work....

3.1.12 Bark Collection System

The treelength bark collection system consists of one (1) belt conveyor. Bark Conveyor No. 1 is situated underneath the PowerFeed Conveyor, and on the centerline of the Barking Drum. It receives the discharge from the barking drum and all points between the drum feed end and chipper. This conveyor will be 48" wide and slow-moving in order to handle the difficult unhogged treelength bark.

3.1.13 Bark Transfer System

The material from Bark Conveyor No. 1 discharges onto Bark Conveyor No. 2 at a point immediately adjacent to the chipper. This 48-inch wide conveyor carries the material in a southwesterly direction, to a point where it will feed the disc screen. A two-way flop gate will be provided in the disc screen feed chute to bypass the disc screen in the event it is not operational. The acceptable material from the disc screen and the bark hog product both discharge onto Bark Conveyor No. 3. This 36-inch wide belt conveys the material to a point east of the existing purchased chip system where it will be placed into a 700 ton storage pile.

3.1.14 Bark Scalping Screen and Bark Hog

1. Bark Scalping Screen

A disc screen will be provided to remove acceptable boiler feed size material and sand from the flow of bark to the bark hog. The interface opening of the screen will be designed so that material 2 inches by 2 inches by 1 inch and smaller will be accepted.

2. Bark Hog

A swing hammer bark hog will be installed to receive and reduce the material rejected by the disc screen. It will produce a product no larger than 2 inches by 2 inches by 1 inch. This product discharges directly onto Bark Conveyor No. 3.

KONE KONE WOOD

Stone Container Corporation
Panama City, Florida
Modernization Project
On-Site Woodyard Facility

KONE WOOD Inc.
Atlanta, Georgia
December 22, 1987
KONE WOOD Quote No. BQ-3062

3. Scope of Work....

3.1.15 Unhogged Bark Reclaimer

An emergency bark reclaimer will be furnished to reclaim unhogged bark which has bypassed the disc screen. It will consist of a loading hopper, a 6' wide full live-bottom chain feeder and a spike roller used to meter the material onto Bark Conveyor No. 2 and on to the disc screen and hog.

3.1.16 Bark Reclaim System

The bark reclaim system consists of a Bark Reclaimer and Bark Pneumatic Conveyor system to transfer the material to the existing Atlas bark bin. The reclaimer consists of a live-bottom chain feeder, a portion of which is buried in the bark storage pile. It will meter the bark from the pile into the air-lock pneumatic feeder. The material will then be conveyed pneumatically to the existing Atlas bin which will continue to operate as it does now.

3.1.17 Sludge Press

The existing sludge press will be relocated to a point adjacent to the existing bark storage pile. The screen fines will be used to thicken the slurry prior to the press. The dewatered sludge will then be metered into the bark from the storage pile prior to the air-lock feeder on the pneumatic conveyor.

KONE KONE WOOD

Stone Container Corporation
Panama City, Florida
Modernization Project
On-Site Woodyard Facility

KONE WOOD Inc.
Atlanta, Georgia
December 22, 1987
KONE WOOD Quote No. BQ-3062

EXHIBIT "D"

1. Equipment Design Criteria for Proposed New Woodyard

1.1 Operating Criteria

	Softwood	Hardwood	Total
Roundwood Annual Rates			
Tons per year	675,000	238,000	913,000
Cords per year	252,336	82,782	335,118
Purchased Chips Annual Rates			
Tons per year			
Rail	275,000	562,000	837,000
Truck	-0-	200,000	200,000
Cords per year			
Rail	116,822	221,260	338,082
Truck	-0-	78,740	78,740
Roundwood Operating Schedule			
Shifts per week			15
Weeks per year			50
Shifts per year			750
Operating hours per year			6,000
Operating efficiency, percent			75
Available hours per year			4,500
Purchased Chips Operating Schedule			
Shifts per week			
Rail			10
Truck			7.5
Weeks per year			50
Shifts per year			
Rail			500
Truck			375

KONE KONE WOOD

Stone Container Corporation
Panama City, Florida
Modernization Project
On-Site Woodyard Facility

KONE WOOD Inc.
Atlanta, Georgia
December 22, 1987
KONE WOOD Quote No. BQ-3062

EXHIBIT "D"....

1.1 Operating Criteria....

	Softwood	Hardwood	Total
Operating hours per year			
Rail			4,000
Truck			3,000
Operating efficient, percent			95
Available hours per year			
Rail			3,800
Truck			2,850
Roundwood Production Requirements			
Operating hours per year	2,989	1,511	4,500
Operating rates, cph	85	55	
Purchased Chips Production Requirements			
Operating hours per year			
Rail dumper	1,313	2,487	3,800
Truck dumper	-0-	2,850	2,850
Average operating rates, cph			
Rail dumper	89.0	89.0	
Truck dumper	-0-	27.6	
Peak operating rates, cph			
Rail dumper	133.5	133.5	
Truck dumper	-0-	41.4	

1.2 Longwood Receipts

	Softwood	Hardwood	Total
Annual Rate, Cords Per Year	227,102	74,504	301,606
Average Load, Cords Per Truck	9.5	9.5	
Average Trucks Per Day	95.6	31.4	127
	101	33	134
Trucks Per Hour			
Average	8	2.6	10.6
Peak	12	3.9	15.9

KONE KONE WOOD

Stone Container Corporation
Panama City, Florida
Modernization Project
On-Site Woodyard Facility

KONE WOOD Inc.
Atlanta, Georgia
December 22, 1987
KONE WOOD Quote No. BQ-3062

EXHIBIT "D"....

1.3 Shortwood Receipts

	Softwood	Hardwood	Total
Annual Rate, Cords Per Year	25,234	8,278	33,512
Average Load, Cords Per Truck	5	5	
Average Trucks Per Day	20.2	6.6	26.8
Trucks Per Hour			
Average	1.7	0.6	2.3
Peak	2.5	0.8	3.3

1.4 Chip Receipts

	Softwood	Hardwood	Total
Rail			
Annual Rate, Cords Per Year	116,822	221,260	338,082
Average Load, Cords Per Car	34.0	31.6	
Average Cars Per Day	13.7	28.0	41.7
Average Cars Per Hour	1.4	2.8	4.2
Truck			
Annual Rate, Cords Per Year	-0-	78,740	78,740
Average Load, Cords Per Truck	11	11	
Average Trucks Per Day	-0-	26.2	26.2
Trucks Per Hour			
Average	-0-	2.2	2.2
Peak	-0-	3.3	3.3

KONE KONE WOOD

Stone Container Corporation
Panama City, Florida
Modernization Project
On-Site Woodyard Facility

KONE WOOD Inc.
Atlanta, Georgia
December 22, 1987
KONE WOOD Quote No. BQ-3062

EXHIBIT "D"....

1.5 Material Properties

	Softwood	Hardwood
Roundwood		
Average Weight, Pounds Per Cord	5,350	5,750
Average Moisture, Percent By Weight	50	46
Bone Dry WEight, Pounds Per Cord	2,675	3,105
Diameter		
Average, inches	9	14
Maximum, inches	28	28
Longwood		
Average length, feet	40	30
Maximum length, feet	65	65
Average logs per cord	5.1	2.5
Shortwood		
Length, feet	5	5
Average logs per cord	41	15
Chips		
Average Weight, Pounds Per Cord	4,708	5,060
Chip Bulk Density, Pounds Per Cubic Foot	23	25
Chip Bulk Volume, Cubic Feet Per Cord	204	204
Bark		
Bark Content, Percent By Weight	12	12
Bark Weight, Pounds Per Cord	642	690
Bark Bulk Density, Pounds Per Cubic Foot	15	15
Bark Moisture Content, Percent By Weight	45	45

KONE KONE WOOD

Stone Container Corporation
Panama City, Florida
Modernization Project
On-Site Woodyard Facility

KONE WOOD Inc.
Atlanta, Georgia
December 22, 1987
KONE WOOD Quote No. BQ-3062

EXHIBIT "D"....

1.6 Process Equipment Requirements

	Softwood	Hardwood
1.6.1 Longwood Crane		
Unload or Reclaim To Process		
Cords per hour	85	55
Trucks per hour	9.0	5.8
Unload To Storage, During Peak Receiving Hours		
Cords per hour	28.5	-0-
Trucks per hour	3.0	-0-
Storage Capacity, Under Crane, Cords	5,000	2,500
1.6.2 Barking Drum		
Debarking Rates, Cords Per Hour		
Average	63.3	41.1
Design	85	55
Debarking Efficiency, Percent Bark		
In Chips, Winter	0.5	0.5
1.6.3 Chipper		
Chipping Rates, Cords Per Hour		
Average	63.3	41.1
Design	85	55
Chip Length	3/4"	3/4"
Log Diameters, Inches		
Average	9	14
Maximum	28	28
1.6.4 Purchased Chip System		
Average Chip Receiving Rates, Cords Per Hour		
Rail	89.0	89.0
Truck	-0-	27.6
Design Chip Receiving Rates, Cords Per Hour		
Rail	135	135
Truck	-0-	45

KONE KONE WOOD

Stone Container Corporation
Panama City, Florida
Modernization Project
On-Site Woodyard Facility

KONE WOOD Inc.
Atlanta, Georgia
December 22, 1987
KONE WOOD Quote No. BQ-3062

EXHIBIT "D"....

1.6 Process Equipment Requirements....

	Softwood	Hardwood
1.6.5 Chip Stacker/Reclaimers		
Average Stacking Rates, Cords Per Hour		
Chipper plus rail dumper	152.3	130.1
Chipper plus truck dumper	63.3	68.7
Design Stacking Rates, Cords Per Hour	220	220
Storage Capacity, Cords	10,000	10,000
Reclaiming Rates, Cords Per Hour		
Average	48.7	50.5
Maximum	73	76
Minimum	26	28
1.6.6 Chip Screening		
Chip Screening Rates, Cords Per Hour		
Average	48.7	50.5
Maximum	73	76
Minimum	26	28
Accepted Chip Classification, Percent		
Over 10mm thick	1	1
8mm to 10mm thick	3	3
3mm to 8mm thick	83	83
3mm diameter to 3mm thick	12	12
Less than 3mm diameter	1	1
1.6.7 Bark Disc Screen and Hog		
Average Rates, Tons Per Hour	20.3	14.2
Peak Rates, Tons Per Hour	27.3	19.0
Design Rates, Tons Per Hour	45	45
Acceptable Product, Inches, 95% Passing	2x2x1	2x2x1

KONE KONE WOOD

Stone Container Corporation
Panama City, Florida
Modernization Project
On-Site Woodyard Facility

KONE WOOD Inc.
Atlanta, Georgia
December 22, 1987
KONE WOOD Quote No. BQ-3062

EXHIBIT "D"....

1.6 Process Equipment Requirements....

	Total
1.6.8 Bark Reclaiming Rates	
Average Rates, Tons Per Hour	22
Design Rates, Tons Per Hour	27
Storage Capacity, Tons	700

1.7 Belt Conveyor Design Criteria

1.7.1 Conveyor Drives

A. Motors will be TEFC, 1.15 service factor, T-frame, 3Ph/60Hz/460V, 1800 rpm.

B. Reducers will be Falk, or equal, type FC foot-mounted, concentric shaft, class III (1.44 service factor), furnished with integral reducer/motor bed plate, flexible high speed coupling and guard. Provisions will be built into the bed plate support for tensioning the chain transmission.

C. Secondary chain transmissions will consist of ANSI standard precision roller chain, sprockets with QD hubs, and oil-tight chain casings.

1.7.2 Pulley Assemblies

A. Shafting will be commercial grade cold rolled steel, ASTM 1018 minimum.

B. Bearings will be SKF, or equal, double spherical roller bearing pillow blocks with four bolt cast iron housings. For bearings 3-15/16" in diameter and larger, the housing will be split.

KONE KONE WOOD

Stone Container Corporation
Panama City, Florida
Modernization Project
On-Site Woodyard Facility

KONE WOOD Inc.
Atlanta, Georgia
December 22, 1987
KONE WOOD Quote No. BQ-3062

EXHIBIT "D"....

1.7 Belt Conveyor Design Criteria....

1.7.2 Pulley Assemblies...

C. Pulleys will be welded steel with crown faces, QD hubs, and as follows:

1. Head/Drive Pulleys - 24" in diameter with 1/2" herringbone vulcanized lagging.

2. Tail Pulleys - 18" in diameter, bare face.

3. Take-up Pulleys - 18" in diameter with 1/2" smooth vulcanized lagging.

4. Bend Pulleys - 16" in diameter, bare face

1.7.3 Conveying Medium

A. Belting will be Goodyear Plylon, or equal, 3-ply multiwarp construction with synthetic fabric, 3/16" top by 1/16" bottom oil-resistant covers, and vulcanized splices.

B. Idlers will be CEMA C with 5" diameter rolls as follows:

1. Troughing Idlers - equal length steel rolls with 20 or 35 degree side roll incline. Spacing will be 12" under chutes, 24" under skirts and 4' to 5' elsewhere.

2. Transition Idlers - equal length steel rolls with 20 degree side roll incline. One each will be provided at the tail and head pulleys for conveyors whose normal troughing idlers have 35 degree side roll incline.

3. Troughing Training Idlers - same construction as Troughing Idlers, spaced approximately 50' from terminals and approximately 10' apart.

4. Return Idlers - rubber "donut" construction, spaced approximately 100' apart.

5. Troughing Training Idlers - same construction as Return Idlers, spaced approximately 50' from terminals and approximately 100' apart.

KONE KONE WOOD

Stone Container Corporation
Panama City, Florida
Modernization Project
On-Site Woodyard Facility

KONE WOOD Inc.
Atlanta, Georgia
December 22, 1987
KONE WOOD Quote No. BQ-3062

EXHIBIT "D"....

1.7 Belt Conveyor Design Criteria....

1.7.4 Surface Preparation

A. All structural steel, including stringers, trusses, support bents, and transfer towers will be protected by hot-dip galvanizing.

B. All other fabricated steel will be protected as follows:

1. Non-wearing surfaces will be protected with the following system:

a. Surfaces will be hand tool and solvent cleaned to remove rust, mill scale, weld slag, and oil and grease.

b. Surfaces will then be sand or shot blast to a minimum of SSPC SP-6.

c. A shop applied primer coat of inorganic zinc will be applied.

d. A shop applied intermediate coat of epoxy will be applied.

e. A shop applied finish coat of polyurethane will then be applied.

2. Wearing surfaces, such as the inside of chutes and conveyor troughs, will be sandblasted and receive a primer coat only.

1.7.5 Miscellaneous

A. Automatic gravity take-ups will be furnished for conveyors whose length exceeds 100'. All others will be furnished with heavy-duty screw type take-ups.

B. Loading skirts will be provided at all loading points, will extend 8' beyond discharge chutes, and will have dust covers.

KONE KONE WOOD

Stone Container Corporation
Panama City, Florida
Modernization Project
On-Site Woodyard Facility

KONE WOOD Inc.
Atlanta, Georgia
December 22, 1987
KONE WOOD Quote No. BQ-3062

EXHIBIT "D"....

1.7 Belt Conveyor Design Criteria....

1.7.5 Miscellaneous....

C. Corrugated sheet metal covers will be furnished from the end of loading skirts to the conveyor's discharge chute wherever the conveyor is exposed to the weather. The covers will be partially open on the walkway side to allow inspection and service of the belt and idlers.

D. Conveyor terminals will be accessible for inspection and service. Walkways will extend for the full length of the conveyor, unless impractical. All bearing lubrication points will be accessible from either the ground, service platforms or walkways.

E. Discharge chutes will be furnished with dribble chutes behind the head pulley, inspection/clean-out doors and removable dust hoods.

F. Belt wipers/cleaners will be furnished, along with access doors, for each conveyor.

G. Gates in chutes, where required, will be actuated by means of electric operators.

H. Elevated floors in conveyor transfer towers will be concrete, and a concrete ground slab will be furnished under each tower.

I. Each conveyor will be equipped with the following electric field devices:

1. Safety lanyard switches, spaced at a maximum of 100' apart.

2. One (1) zero-speed switch will be located at the tail pulley.

3. One (1) plug switch will be located in the discharge chute.

4. Belt alignment switches will be provided as follows:

a. Two (2) adjacent to head pulleys.

b. Two (2) adjacent to tail pulleys.

KONE WOOD

Stone Container Corporation
Panama City, Florida
Modernization Project
On-Site Woodyard Facility

KONE WOOD Inc.
Atlanta, Georgia
December 22, 1987
KONE WOOD Quote No. BQ-3062

EXHIBIT "D"....

1.7 Belt Conveyor Design Criteria....

1.7.5 Miscellaneous....

J. Conveyors will be supported by channel stringers, where near the ground or in structures, or by open steel trusses. Structural steel support bents, made of rolled shapes, will support the stringers and trusses to the top of concrete piers.

KONE WOOD

Stone Container Corporation
Panama City, Florida
Modernization Project
On-Site Woodyard Facility

KONE WOOD Inc.
Atlanta, Georgia
December 22, 1987
KONE WOOD Quote No. BQ3062

EXHIBIT "D"

2. Civil Construction Design Criteria

2.1 Design Criteria

2.1.1 Soils Investigation

Prior to civil design work, a thorough Geotechnical Investigation will be performed and criteria established for structural foundations and pavements.

2.1.2 Earthwork

On all areas where grading, excavating and filling are to be done, all organic matter and unsuitable material will be stripped to a nominal depth of twelve inches. Reusable topsoil will be stockpiled on site for later use in areas to be seeded. Other unsuitable materials will be disposed of at the mill owned landfill.

2.1.3 Backfill & Compact

Engineered fill purchased offsite and fill from the mill borrow pit will be used to bring areas up to design grade. These same materials will be used to provide adequate subbases for foundations, railroads, parking areas and roads. Fill operations will include compaction of lifts with a maximum depth of eight (8) inches per lift.

2.1.4 Testing

Testing of soil materials and prepared surfaces will be performed by a soils consultant. Testing will include in-place density tests as well as soil materials quality control.

KONE KONE WOOD

Stone Container Corporation
Panama City, Florida
Modernization Project
On-Site Woodyard Facility

KONE WOOD Inc.
Atlanta, Georgia
December 22, 1987
KONE WOOD Quote No. BQ3062

Exhibit "D"...

2.1.5 Area Seeding

Ditch erosion control will be accomplished by soil cement lining and/or grass seeding. All excavated areas not required for site facilities will be graded and seeded to provide suitable erosion control and area drainage.

2.1.6 Storm Sewers

Storm drainage will be accomplished by a system of ditches, culverts, catch basins and storm sewers. Ditches will have a maximum slope of 3:1 with erosion control provided. Culverts will be either corrugated metal pipe or reinforced concrete pipe with concrete headwalls. Storm sewers will be PVC pipe or reinforced concrete pipe connected by precast catch basins. Catch basins will have a minimum diameter of four (4) feet. Storm drainage water will be diverted to the existing lime mud pond located adjacent to the new woodyard.

2.1.7 Process Sewers

Woodyard process drainage will be diverted into the storm sewer system and ultimately to the lime mud pond.

2.1.8 Sanitary Sewers

Sanitary sewer piping will be Schedule 40 PVC, per ASTM 1785. All pipe and fitting joints will be solvent welded. Fittings will be either schedule 40 or 80. All PVC and fittings will be stamped with the appropriate National Sanitation Foundation Seal. Sanitary sewer pipe will tie into the existing sanitary sewer. Above ground sewer piping will be welded carbon steel pipe, insulated and heat traced.

KONE KONE WOOD

Stone Container Corporation
Panama City, Florida
Modernization Project
On-Site Woodyard Facility

KONE WOOD Inc.
Atlanta, Georgia
December 22, 1987
KONE WOOD Quote No. BQ3062

EXHIBIT "D"

2.1.9 Potable Water Piping

Potable water piping will be galvanized carbon steel, schedule 40 with screwed fittings. The potable water pipe will tie-in to the existing mill pipe line to the scale house.

2.1.10 Sludge Supply Piping

Sludge supply to the relocated sludge press system will be ten-inch (10") diameter schedule 40 welded carbon steel, asphalt coated pipe. This pipeline will tie into the existing sludge line in the vicinity of the existing maintenance building. Unused piping will be abandoned in place.

2.1.11 Sludge Press Water Piping

Water discharge from the relocated sludge press will be transported in six-inch (6") diameter schedule 40 welded carbon steel, asphalt coated pipe to the existing water line in the vicinity of the existing maintenance building via reinforced concrete pipe. Unused piping will be abandoned in place.

2.1.12 Railroads

Railroads will be constructed with a minimum 90 pound, No. 1 grade Relay rails. Existing rails that must be removed from the existing system will be reused as much as possible. Crossties will be industrial grade, with minimum dimensions 8" x 6" x 8'-6" placed on 21 inch centers. Switch ties will have minimum dimensions of 9" x 7" x 8' x 6". Ballast will be clean crushed stone, well graded in size in accordance with AREA specifications, No. 4 ballast.

KONE WOOD

Stone Container Corporation
Panama City, Florida
Modernization Project
On-Site Woodyard Facility

KONE WOOD Inc.
Atlanta, Georgia
December 22, 1987
KONE WOOD Quote No. BQ3062

EXHIBIT "D"...

2.1.12 Railroads

Splices will be 5/8 inch by 6 inches with oval head. Turnouts will be the same rail section as the track from which it diverges. All frogs will be new standard No. 8's. Switches will be new 16'-6" adjustable split switches. Gauge rods will be installed at 6'-6" centers on all curves of 10 degrees and sharper. Maximum curvature will not exceed 12 degrees.

2.1.13 Roads

New roads will be built to the following standard:

12" Sand-Shell Base (30% Sand, 70% Shell)

Woven Fabric

5" Asphalt

3" Base Course

2" Wear Surface

Temporary roads will be built to the following standard:

12" Sand Shell with tack coat for dust control

2.1.14 Underground Fire Water Piping

Underground fire water piping will be in accordance with information provided in the Fire Protection Section.

KONE KONE WOOD

Stone Container Corporation
Panama City, Florida
Modernization Project
On-Site Woodyard Facility

KONE WOOD Inc.
Atlanta, Georgia
December 22, 1987
KONE WOOD Quote No. BQ3062

EXHIBIT "D"

2.2 Buildings and Structures Design Criteria

2.2.1 General

The design of buildings and structures will comply with applicable sections of the following codes, publications or standards:

- Standard Building Code
- American National Standard Institute Requirements for Minimum Design Loads in Building and Other Structures, A58.1
- American Concrete Institute 318
- American Institute of Steel Construction - Manual of Steel Construction
- Occupational Safety and Health Act
- Standard Industry Practices
- Requirements of the Owner's Insurance Carrier
- Other Applicable Local or State Codes

2.2.2 Deep Foundations

Buildings, settlement sensitive structures and equipment supports will generally be supported on piles. Piles will be: Class A Timber Piles, approximately 30 feet long for the 15-20 ton capacity range; 14" precast concrete piles, about 30 feet long for the 30-40 ton capacity range; and 12" precast concrete piles, about 55 feet long for the 50-70 ton capacity range. Each type pile will be load tested to ensure satisfactory design capacities.

2.2.3 Shallow Foundations

Equipment, small buildings and structures that are not settlement sensitive will be supported by spread footings where soil conditions permit. All concrete for foundations will be 3000 psi compressive strength at 28 days. Reinforcing steel will be deformed bars conforming to ASTM A615, Grade 60. Allowable soil bearing capacity is expected to be 3000 PSF on prepared surfaces of compacted fill.

KONE KONE WOOD

Stone Container Corporation
Panama City, Florida
Modernization Project
On-Site Woodyard Facility

KONE WOOD Inc.
Atlanta, Georgia
December 22, 1987
KONE WOOD Quote No. BQ3062

EXHIBIT "D"...

2.2.4 Frames

All engineered building and structural frames will be built using galvanized steel frames of ASTM A36 steel. Frames will be designed for a combination of dead load, live load, equipment load, dynamic load, wind load and seismic load as defined in the codes listed under GENERAL Above. Lateral loads will be based on a wind speed of 120 mph, exposure and seismic risk zone No. 1. Frames will be braced where possible and moment connections used where bracing is not possible or practical. The maintenance building will be a pre-engineered structure with 3-coat paint system, consisting of zinc primer, epoxy intermediate and polyurethane finish coat. The siding will be uninsulated with Kynar Superguard 2 coats.

2.2.5 Floors

Floors will generally be reinforced concrete supported on steel framing. Non-concrete floors will be 1-1/4" galvanized steel grating supported on steel framing. Minimum live load is 200 psf for elevated concrete floors and 100 psf for grating floors. Reinforced concrete will be designed using the ACI 318 working strength design method. Floor slabs will be 4000 psi concrete reinforced with Grade 60 reinforcing steel. Bare concrete floors in dry areas will receive a steel trowel finish. In wet areas the concrete will receive a light broom finish. Floor drains and 6" x 6" concrete curbs will be installed as required.

2.2.6 Stairs

Generally, interior stair treads will be galvanized steel channels filled with concrete and exterior treads will be galvanized steel grating.

2.2.7 Handrails

Galvanized steel handrails will be used through the woodyard.

KONE WOOD

Stone Container Corporation
Panama City, Florida
Modernization Project
On-Site Woodyard Facility

KONE WOOD Inc.
Atlanta, Georgia
December 22, 1987
KONE WOOD Quote No. BQ3062

EXHIBIT "D"...

2.2.8 Walls, Windows and Doors

Engineered building siding will be 22 gauge galvanized steel. Air conditioned rooms will be insulated and sided. Pre-engineered buildings will have a 22 gauge painted steel siding.

Offices and motor control rooms will be constructed of painted concrete block walls.

Exterior doors will be chemical proof with stainless steel hinges or galvanized roll-up overhead type.

Interior doors will be painted hollow metal doors.

Windows will be intermediate projection type with steel frames and trim. Insulating glass will be used for air-conditioned areas. Wire safety glass will be used where required by code.

2.2.9 Roofs

Buildings, such as the screen building and maintenance/office building will have 24 gauge Galvalume steel roof. Air conditioned areas will have insulated steel roof decks. The chipper building with MCC room will have a built-up roof on a galvanized metal deck.

2.2.10 Walls And Floor Coverings

Locker rooms and restrooms will have painted block walls and vinyl tile floor. Offices will have vinyl tile floor coverings. All other floors will have a steel troweled concrete floor finish. The floor of the maintenance bay will have a shake-on floor hardener.

2.2.11 Ceilings

Offices, locker rooms and restrooms will have acoustical lay-in tile ceilings.

KONE WOOD

Stone Container Corporation
Panama City, Florida
Modernization Project
On-Site Woodyard Facility

KONE WOOD Inc.
Atlanta, Georgia
December 22, 1987
KONE WOOD Quote No. BQ3062

EXHIBIT "D"...

2.3 Fire Protection Design Criteria

2.3.1 Underground Systems

Existing underground fire water lines will be relocated where needed. Additional new underground fire water lines with hydrants and divisional valves will be provided at required intervals to obtain proper system control and sectional divisions. Each new six-inch hydrant will have an equipped hose cabinet and are located as shown on drawing BQ-3062-OP3. Underground piping will be Ductile Iron. Thrust control will be accomplished by means of pipe clamps and/or tie rods for the required restrained lengths. Flanged ductile iron pipe will be used for vertical risers to sprinkler systems. Minimum depth of cover for the fire lines will be of sufficient depth to support woodyard heavy equipment traffic.

2.3.2 Sprinkler Systems

New buildings will have dry pipe automatic sprinkler systems. Sprinkler pipe will be galvanized carbon steel with galvanized supports. Entire sprinkler system to be painted with zinc primer, second coat epoxy and Third coat polyurethane red paint. Maintenance shop areas (w/vehicles) sprinkle density = .25GPM/SqFt. Chip production areas sprinkler density = .15GPM/SqFt.

2.3.3. Dry Chemical Systems

MCC rooms, I/O rack rooms and the control room will have hand held fire extinguishers for fire suppression. (One per door, type ABC or CO2).

ALL FIRE SYSTEMS TO BE FACTORY MUTUAL APPROVED

KONE WOOD

Stone Container Corporation
Panama City, Florida
Modernization Project
On-Site Woodyard Facility

KONE WOOD Inc.
Atlanta, Georgia
December 22, 1987
KONE WOOD Quote No. BQ3062

EXHIBIT "D"...

2.4 Piping And Plumbing Design Criteria

2.4.1 Mill Water

Mill water piping will be galvanized carbon steel with galvanized hangers. Mill water source is assumed to be in the vicinity of the existing woodroom. Electric heat tracing and 1" rigid fiberglass insulation with aluminum jacketing will be provided for above ground water pipes.

2.4.2 Compressed Air

Compressed air piping will be galvanized carbon steel with galvanized hangers. A new air compressor will be provided to supply the air required for the woodyard compressed air services.

2.4.3 Utility Stations

Utility stations consisting of welding outlet, duplex outlet, compressed air and hose, and mill water and hose will be provided throughout the woodyard. Preliminary locations of the stations are shown on drawing BQ-3062-OP2.

2.4.4 Plumbing Systems

All plumbing systems required for the restrooms and locker rooms will be designed and installed to minimize initial cost, but to have simplicity of operation. The design and installation will be in accordance with the Standard Plumbing Code and applicable regulations, so as to insure the requirements for personnel health, safety and welfare.

KONE KONE WOOD

Stone Container Corporation
Panama City, Florida
Modernization Project
On-Site Woodyard Facility

KONE WOOD Inc.
Atlanta, Georgia
December 22, 1987
KONE WOOD Quote No. BQ3062

EXHIBIT "D"...

2.4.4 Plumbing Systems

The following is a list of systems and materials proposed for each system:

Sanitary Waste and Vent - PVC, Schedule 40
Potable Water - Galvanized Steel
Floor Drains - Cast Iron Body with SS Grates
Plumbing Fixtures - American Standard

Drinking fountains will be provided in the woodyard control room and the maintenance/office building or knife grinder building.

2.5 Demolition Design Criteria

2.5.1 General

Demolition will be accomplished with care to protect both lives and property. Explosives, if required, will be used only by qualified personnel and then only with the permission of the Owner's representative. Unsalvaged materials will be disposed of at the mill site scrap metal area or landfill.

2.5.2 Salvage

Title to salvaged materials will be vested in Stone Container Corporation. Title to salvaged railroad materials will be vested in the Contractor.

2.5.3 Truck Dump Facility & Rail Car Shaker

The existing truck dump facility will be dismantled with care taken to allow the relocation of the facility for future use. The facility components will be transported to an on-site location designated by Stone Container Corporation and placed on adequate cribbing, etc. for safe storage.

KONE KONE WOOD

Stone Container Corporation
Panama City, Florida
Modernization Project
On-Site Woodyard Facility

KONE WOOD Inc.
Atlanta, Georgia
December 22, 1987
KONE WOOD Quote No. BQ3062

EXHIBIT "D"...

2.5.4 Sludge Press Facility

The existing sludge press facility will be dismantled and relocated to the new hogged fuel area for reuse in the new woodyard system.

2.5.5 Chip Blowing Equipment

The existing chip blowers, motors, silencers and feeder will be dismantled and relocated to the new hogged fuel area for reuse in the new woodyard system. The equipment will be blasted and painted with a two coat epoxy paint system.

3. Electrical Design Criteria

3.1 Codes, Publications and Standards (latest revision)

3.1.1 National Fire Protection Association (NFPA)

National Electric Code; NFPA No. 70
Other Publications included in "National Fire Codes", 16 Volume set published by NFPA.

3.1.2 National Electric Safety Code; ANSI C2

3.1.3 Occupational Safety and Health Act (OSHA)

3.1.4 Latest revision of applicable ANSI, ICEA, IEEE, IES and NEWA publications.

3.1.5 Underwriter's Laboratories

3.1.6 Local and State electric codes

KONE KONE WOOD

Stone Container Corporation
Panama City, Florida
Modernization Project
On-Site Woodyard Facility

KONE WOOD Inc.
Atlanta, Georgia
December 22, 1987
KONE WOOD Quote No. BQ3062

EXHIBIT "D"...

3.2 General Design Criteria

3.2.1 Primary Distribution Voltage: 13.8KV

3.2.2 Secondary Distribution Voltages: 416OV, 480V

3.2.3 Equipment Voltage Ratings

AC Motors up to and including 200HP: 480VAC
above 200HP: 4160VAC

Welding Receptacles: 480VAC

Lighting: Metal Halide or Fluorescent at 120VAC or 277VAC
Metal Halide at 480VAC

3.2.4 Control Voltage: 120VAC

3.3 Electrical Service Equipment

3.3.1 Switchgear

3.3.2 Each new transformer will be provided with a fused no-load disconnect switch

3.3.3 Pad Mounted Transformers

Outdoor transformers will be self-cooled, silicone-filled with provisions for fan cooling. Transformer ratings will be 13.8 KV/480V and 13.8KV/416OV. Transformers will be delta-grounded wye configuration. Impedance, sound level and voltage connections will be in accordance with NEMA standards.

KONE KONE WOOD

Stone Container Corporation
Panama City, Florida
Modernization Project
On-Site Woodyard Facility

KONE WOOD Inc.
Atlanta, Georgia
December 22, 1987
KONE WOOD Quote No. BQ3062

EXHIBIT "D"...

3.3.4 Medium Voltage Switchgear

Indoor metalclad switchgear will be vacuum circuit breaker type with protective relays. Switchgear will be rated for 5KV, 60Hz with continuous current and interrupting rating as required. All bus bars will be copper. The transformer secondary main will be provided with a voltmeter, voltmeter switch and ammeter switch. The feeder breakers will be provided with an ammeter and switch. A high impedance grounding system will be provided with the switchgear.

3.3.5 Low Voltage Switchgear

Indoor switchgear will consist of removable, draw-out type power air circuit breakers. A transformer secondary main and feeder breakers will be provided. The breakers will be rated for 600VAC, 60Hz with continuous current ratings as required. All bus bars will be copper and bus bracing will be as required. Each breaker will be furnished with a solid state trip unit. The trip unit will have adjustable settings for long time, short time and instantaneous trips. The secondary main will be provided with a voltmeter, voltmeter switch, ammeter and ammeter switch. Each feeder breaker will have an ammeter and ammeter switch. A high impedance grounding package will be provided with the low voltage switchgear.

3.4 Motor Control Equipment

3.4.1 Medium Voltage Motor Control Apparatus

Controllers for induction motors will be indoor, NEMA 1 gasketed, two high construction. Contactors will be draw-out type, rated for 4160VAC, 3-phase, 60Hz, current carrying capacity as required. All bus bars will be copper with bus bracing as required. Control voltage will be 120VAC. Ambient compensated thermal overloads and an ammeter and ammeter switch will be provided for each motor.

KONE KONE WOOD

Stone Container Corporation
Panama City, Florida
Modernization Project
On-Site Woodyard Facility

KONE WOOD Inc.
Atlanta, Georgia
December 22, 1987
KONE WOOD Quote No. BQ3062

EXHIBIT "D"...

3.4.2 Low Voltage Motor Control Center

Motor control center (MCC) will be indoor with a NEMA 1A gasketed enclosure. MCC will be rated for 480 volt, 3-phase, 3-wire, 60Hz. Vertical and horizontal bus will be tin-plated copper. Vertical bus will be 300 amps minimum and horizontal bus will be 800 amps minimum. Bus bracing will be as required. A ground bus will be provided along the full width of the bottom of the MCC. Combination motor starters will feature motor circuit protectors, control power transformers, ambient compensated thermal overloads, auxiliary contacts and a door-mounted disconnect handle. All feeders will feature molded case circuit breakers. Starters will be appropriate NEMA size for motor horsepower.

3.5 Electrical Distribution Equipment

3.5.1 Panelboards

Dead front, single door circuit breaker type. Panelboards will be rated for 120/208VAC or 480/277VAC, 3-phase, 4-wire, ampere rating as required. A separate neutral and ground bus will be provided. All circuit breakers will be bolt on type with ampere and interrupting ratings as required.

3.5.2 Transformers

Dry type, rated for 480/120-208V or 480/480-277V, 3-phase, 4-wire, KVA ratings as required. Insulation shall be rated for a 150 Degree C rise at rated KVA.

KONE KONE WOOD

Stone Container Corporation
Panama City, Florida
Modernization Project
On-Site Woodyard Facility

KONE WOOD Inc.
Atlanta, Georgia
December 22, 1987
KONE WOOD Quote No. BQ3062

EXHIBIT "D"...

3.6 Raceways

3.6.1 Tray

Heavy duty, NEMA Class 12B minimum, for exterior use. Tray will be fabricated aluminum and will be provided with aluminum covers. All fittings, splice plates and hangers will be galvanized steel. Tray will be 4" deep minimum with 9" rung spacing. Fittings will have 24" radius. Separate tray will be provided for 4160 volt power, 480 volt, power and control, and instrumentation/ signal wiring.

3.6.2 Conduit

All conduit and fittings will be rigid hot dipped galvanized steel or aluminum, vertically stacked where practical.

3.6.3 Liquid Tight Flexible Conduit

Galvanized steel flexible tubing with an extruded vinyl jacket overall.

3.7 Wire And Cable

3.7.1 15KV Cable

CLX Armor cable with copper conductors, shielded aluminum armor and overall PVC jacket.

3.7.2 5KV Cable

CLX armor cable with copper conductors, aluminum armor and an overall yellow PVC jacket. Conductors shall be insulated with cross-linked polyethylene. Grounding conductors will be included in the cable. Cable and conductors will be suitable for use in cable tray in wet locations. Maximum conductor temperatures will be 90 degrees C dry and 75 degrees C wet.

KONE KONE WOOD

Stone Container Corporation
Panama City, Florida
Modernization Project
On-Site Woodyard Facility

KONE WOOD Inc.
Atlanta, Georgia
December 22, 1987
KONE WOOD Quote No. BQ3062

EXHIBIT "D"...

3.7.3 600V Cable

Copper conductors with cross-linked polyethylene insulation and an overall black PVC jacket. Cable shall include grounding conductors. Cable and conductors shall be suitable for use in cable tray in wet locations. Maximum conductor temperatures will be 90 degrees C dry and 75 degrees C wet.

3.7.4 Instrument Cable

Tinned-copper conductors in multi-pair and single twisted pair confirguations. Conductors will have polyethylene insulation. Twisted pair will have an overall aluminum-polyester shield. Multi-pair will have an overall shield and individual shielded pairs if required. All cables will have an overall grey or black PVC jacket. Cable will be rated for 300 VAC minimum.

3.7.5 Data Highway Cable

Twinaxial cable with tinned copper conductors, overall shield and PVC jacket.

3.7.6 Camera/Monitor Cable

Coaxial cable-type as required for the application.

3.8 Lighting and Receptacles

3.8.1 Site Lighting

Metal Halide light fixtures will be provided. Pole-mounted floodlights (1000 watts or 400 watts) will be used for general illumination. Stanchion mounted fixtures (150-250W) will be used for walkway and conveyor lighting. Wall pack type fixtures (100W) will be used on buildings for doorway and entrance area lighting. Eighty foot poles will be provided with lowering devices facilitate fixture maintenance.

KONE WOOD

Stone Container Corporation
Panama City, Florida
Modernization Project
On-Site Woodyard Facility

KONE WOOD Inc.
Atlanta, Georgia
December 22, 1987
KONE WOOD Quote No. BQ3062

EXHIBIT "D"...

3.8.2 Interior Lighting

Metal Halide low bay light fixtures will provide general lighting in production areas. All other areas, including offices, break room, restrooms, locker rooms, maintenance shop and knife grinding area will utilize fluorescent lighting. Lay in troffer-type fluorescent fixtures will be used in areas with hung ceilings (offices). Surface mounted wrap around fixtures will be used in breakroom, restroom and locker room. Industrial fluorescents will be used in the maintenance shop and knife-grinding areas.

3.8.3 Receptacles

Heavy duty, NEMA standard, duplex grounding type receptacles. Receptacles will be 20 amp, 120VAC. Outlet boxes will be as required for the area.

3.8.4 Welding Receptacles

Heavy duty, NEMA 12 with interlocking fused disconnect switch. Receptacles shall be 480VAC, 100 AMPS, 3-pole.

3.9 Grounding

3.9.1 General

A complete ground system will be provided for site in accordance with NEC 250. The system will consist of a buried bare 4/0 copper ground conductor forming a loop around buildings. All equipment, building steel, transformers, 4160V motors, etc. will be tied to these loops with a bare copper conductor. Connections will be made by exothermic weld. All ground loops will form a continuous ground grid. Copper clad steel ground rods will be used to provide the necessary ground resistance requirements.

KONE KONE WOOD

Stone Container Corporation
Panama City, Florida
Modernization Project
On-Site Woodyard Facility

KONE WOOD Inc.
Atlanta, Georgia
December 22, 1987
KONE WOOD Quote No. BQ3062

EXHIBIT "D"...

3.10 HVAC

The HVAC systems will be designed in accordance with ASHRAE, ASTM, NFPA and SMACNA Standards, and comply with ARI, AMCA and UL requirements. The basic equipment will consist of industrial equipment manufactured for paper mill duty. All air system distribution ductwork will be galvanized steel. All refrigerant piping will be copper. All ductwork insulation will be fiberglass.

In general, the HVAC systems will be as follows:

3.10.1 Process Areas - General Ventilation System

The general ventilation system will include centrifugal roof exhausters, or panel wall mounted fans and louvered gravity air intakes.

The ventilation rate will be thermostatically staged between its minimum (as required by applicable codes) and its maximum as required to maintain 10 degrees F temperature difference between controlled space and ambient.

All process area ventilation systems will be filtered and maintain a slightly negative pressure inside the controlled spaces.

Make-up air will not be heated.

The chipper motor will be furnished with separate filtered ducted supply and exhaust.

KONE KONE WOOD

Stone Container Corporation
Panama City, Florida
Modernization Project
On-Site Woodyard Facility

KONE WOOD Inc.
Atlanta, Georgia
December 22, 1987
KONE WOOD Quote No. BQ3062

EXHIBIT "D"...

3.10.2 Electrical Rooms - Ventilation & Air Conditioning System

All electrical rooms will be served by packaged, direct expansion, air conditioning units. All units will be equipped with 30% efficient, extended surface, throw-away filters. Make-up air system to be provided with Westvaco, or equal, filter system. Ventilation rate will be selected to maintain 0.1" W.C. positive pressurization inside the controlled spaces.

Ventilation air will be relieved by means of exfiltration.

3.10.3 Offices, Restrooms, Locker Rooms - Heating, Ventilation, and Air Conditioning System

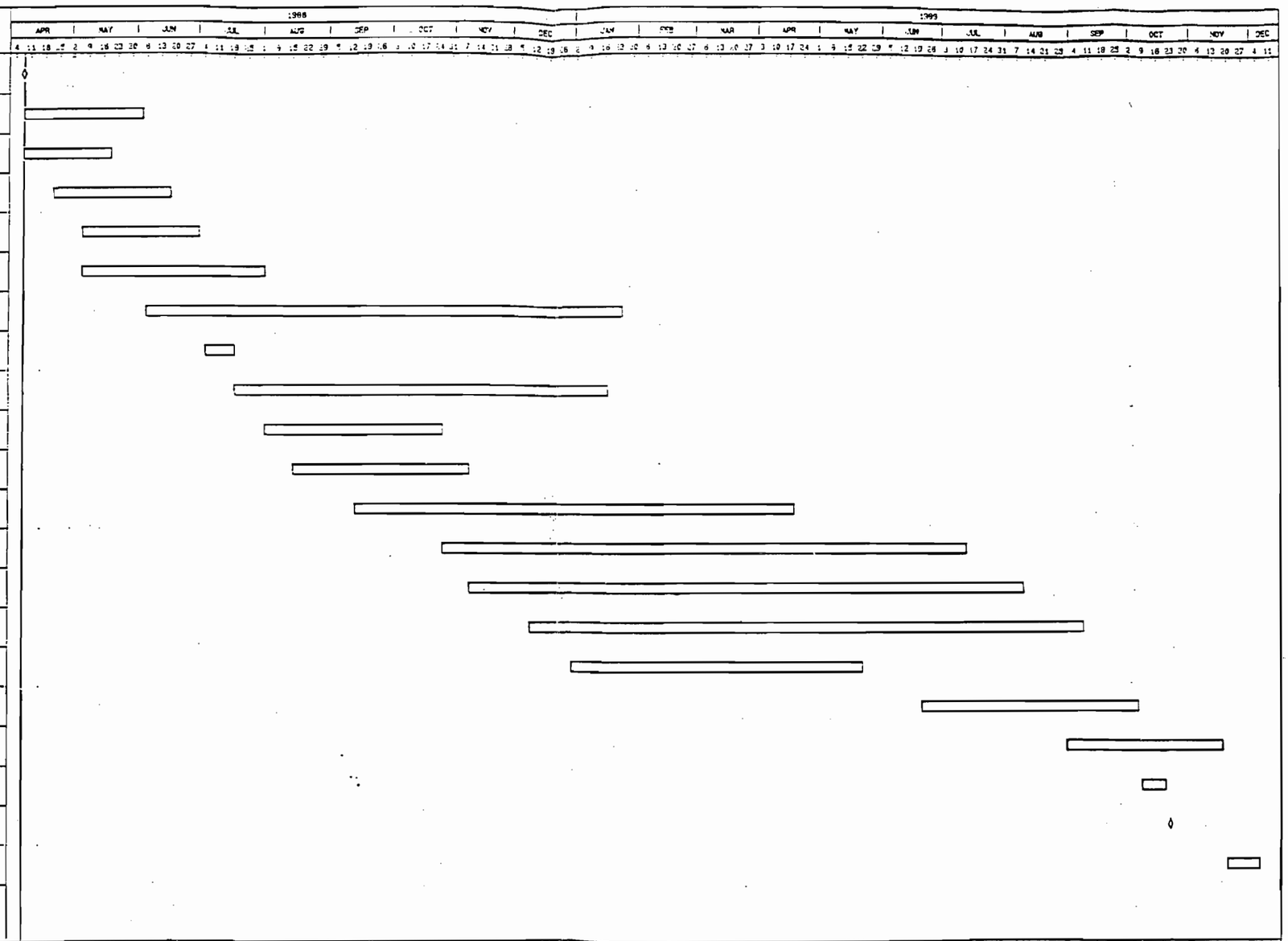
Offices and locker rooms will be served by separate, packaged air conditioning units equipped with electric, heating coils. All units will be equipped with 30% efficient filters and ducted return air systems.

The office areas positive pressurization will be maintained at 0.05" W.C.

All locker rooms will be equipped with in-line centrifugal exhaust fans to provide required ventilation rate and maintain these spaces under slightly negative pressure.

03-148859

CONTRACT AWARD G100 OD 0 ES 8APR88 EF 8APR88	
PROCESS DESIGN D100 OD 40 ES 8APR88 EF 3JUN88	
SITE SURVEY AND SOILS INVESTIGATION D140 OD 30 ES 8APR88 EF 19MAY88	
GENERAL ARRANGEMENT DRAWINGS D110 OD 40 ES 22APR88 EF 17JUN88	
EQUIPMENT DESIGN D120 OD 40 ES 6MAY88 EF 1JUL88	
PURCHASE PROCESS EQUIPMENT P100 OD 60 ES 6MAY88 EF 1AUG88	
DETAIL DESIGN D130 OD 150 ES 6JUN88 EF 23JAN89	
CONTRACTOR MOBILIZATION C100 OD 10 ES 5JUL88 EF 18JUL88	
SITEWORK C110 OD 125 ES 19JUL88 EF 16JAN89	
PURCHASE OTHER EQUIPMENT P120 OD 60 ES 2AUG88 EF 25OCT88	
PILING C120 OD 60 ES 16AUG88 EF 9NOV88	
FOUNDATIONS C130 OD 150 ES 14SEP88 EF 19APR89	
OTHER EQUIPMENT DELIVERIES P130 OD 180 ES 26OCT88 EF 13JUL89	
MECHANICAL/STRUCTURAL ERECTION C140 OD 190 ES 9NOV88 EF 10AUG89	
ELECTRICAL INSTALLATION C150 OD 190 ES 9DEC88 EF 8SEP89	
PROCESS EQUIPMENT DELIVERIES P110 OD 100 ES 30DEC88 EF 22MAY89	
PUNCHLIST AND CHECK-OUT C160 OD 75 ES 22JUN89 EF 6OCT89	
DEMOLITION C190 OD 55 ES 15SEP89 EF 17NOV89	
START-UP C170 OD 10 ES 9OCT89 EF 20OCT89	
READY FOR INITIAL OPERATION C180 OD 0 ES 23OCT89 EF 23OCT89	
CONTRACTOR DEMOBILIZATION C200 OD 10 ES 20NOV89 EF 5DEC89	



Activity Bar/Early Dates
Critical Activity
Progress Bar

Project Start : 8APR88
Project Finish: 5DEC89

STONE CONTAINER, PANAMA CITY, FL
PROPOSED NEW WOODYARD
ORIGINAL SCHEDULE

Sheet 1 of 1

Data Date: 8APR88
Plot Date: 23DEC87

PROPOSED NEW WOODYARD

Date	Revision	Checked	Approved

Check Sheet

Company Name: Stone Container Corporation
Permit Number: AC 03-148859
PSD Number: _____
Permit Engineer: _____

Application:

- ☑ Initial Application
  - ☐ Incompleteness Letters
  - ☐ Responses
  - ☐ Waiver of Department Action
  - ☐ Department Response
  - ☐ Other

Cross References:
- ☐
- ☐
- ☐

Intent:

- ☑ Intent to Issue
- ☑ Notice of Intent to Issue
- ☐ Technical Evaluation
- ☐ BACT or LAER Determination
- ☑ Unsigned Permit

  Correspondence with:
  - ☐ EPA
  - ☐ Park Services
  - ☐ Other
- ☑ Proof of Publication
  - ☐ Petitions - (Related to extensions, hearings, etc.)
  - ☐ Waiver of Department Action
  - ☐ Other

Final **Determination:**

- ☑ Final Determination
- ☐ Signed Permit
- ☐ BACT or LAER Determination
  - ☐ Other

Post Permit Correspondence:

- ☐ Extensions/Amendments/Modifications
- ☑ Other

In the folder labeled as follows there are documents, listed below, which were not reproduced in this electronic file. That folder can be found in one of the file drawers labeled Supplementary Documents Drawer. Folders in that drawer are arranged alphabetically, then by permit number.

Folder Name: Stone Container Corporation

Permit(s) Numbered:

AC	03	-	148859

Period during which document was received:		Detailed Description
APPLICATION 29 APRIL 1988	1.	34"×44" BLUEPRINT: PROPOSED NEW WOODYARD PLANT LAYOUT (DRAWING NUMBER: BO-3062)
	2.	24"×36" BLUEPRINT: PROPOSED NEW WOODYARD SERVICE WORK (DRAWING NUMBER: BO-3062-OP2)
	3.	24"×36" BLUEPRINT: PROPOSED NEW WOODYARD FIRE SYSTEM LAYOUT (DRAWING NUMBER: BO-3062-OP3)
	4.	24"×36" BLUEPRINT: PROPOSED NEW WOODYARD CHIP SCREENING SYSTEM (DRAWING NUMBER: BO-3062-OP4)
	5.	34"×44" BLUEPRINT: PROPOSED NEW WOODYARD LOCK FLOW SHEET (DRAWING NUMBER: BO-3062-OP5)
	6.	24"×36" BLUEPRINT: PROPOSED NEW WOODYARD ELEVATIONS - SHT. 1 (DRAWING NUMBER: BO-3062-OP6)
	7.	24"×36" BLUEPRINT: PROPOSED NEW WOODYARD ELEVATIONS - SHT. 2 (DRAWING NUMBER: BO-3062-OP7)

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.

Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1. ☒ Show to whom delivered, date, and addressee's address. *†(Extra charge)†*
2. ☐ Restricted Delivery *†(Extra charge)†*

3. Article Addressed to:

Mr. L. D. Riley, Jr.
Stone Container Corp.
P. O. Box 2560
Panama City, Florida 32402

4. Article Number
P 702 175 469

Type of Service:
☐ Registered ☐ Insured
☒ Certified ☐ COD
☐ Express Mail

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature – Addressee
X

6. Signature – Agent
X Barbara Barker

7. Date of Delivery
7-1-88

8. Addressee's Address *(ONLY if requested and fee paid)*

PS Form **3811**, Mar. 1987 ★ U.S.G.P.O. 1987-178-268 **DOMESTIC RETURN RECEIPT**

P 702 175 469

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL
(See Reverse)

Sent to Mr. L. D. Riley, Jr., Stone	
Street and No. P.O. Box 2560 Container Corp.	
P.O., State and ZIP Code Panama City, FL 32402	
Postage	$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	$
Postmark or Date Mailed: 6/30/88 Permit: AC 03-148859	

PS Form 3800, June 1985

Florida Department of Environmental Regulation

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

Bob Martinez, Governor | Dale Twachtmann, Secretary | John Shearer, Assistant Secretary

June 30, 1988

CERTIFIED MAIL-RETURN RECEIPT REQUESTED

Mr. L. D. Riley, Jr.
Environmental Superintendent
Stone Container Corporation
P. O. Box 2560
Panama City, Florida 32402

Dear Mr. Riley:

Attached is one copy of the Technical Evaluation and Preliminary Determination and proposed permit for Stone Container Corporation to construct a woodyard facility at the company's kraft pulp mill in Panama City, Bay County, Florida.

Please submit, in writing, any comments which you wish to have considered concerning the Department's proposed action to Mr. Bill Thomas of the Bureau of Air Quality Management.

Sincerely,

For C. H. Fancy, P.E.
Deputy Chief
Bureau of Air Quality
Management

CHF/th

Attachments

cc: Jack Preece, Northwest District
Charles T. Fontaine, P.E.

BEFORE THE STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

In the Matter of
Application for Permit by:

Stone Container Corporation
P. O. Box 2560
Panama City, Florida 32402

DER File No. AC 03-148859

INTENT TO ISSUE

The Department of Environmental Regulation hereby gives notice of its intent to issue a 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, Stone Container Corporation, applied on April 29, 1988, to the Department of Environmental Regulation for a permit to construct a woodyard facility to be located at the company's kraft pulp mill in Panama City, Bay County, Florida.

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

Pursuant to Section 403.815, F.S. and DER Rule 17-103.150, FAC, you (the applicant) are required to publish at your own expense the enclosed Notice of Proposed Agency Action on permit applications. The notice must be published one time only in a section of a major local newspaper of general circulation in the county in which the project is located and within thirty (30) days from receipt of this intent. Proof of publication must be provided to the Department within seven days of publication of the notice. 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 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. Petitions must comply with the requirement of Florida Administrative Code Rules 17-103.155 and 28-5.201 (copy enclosed) and be filed with (received by) the Office of General Counsel of the Department at 2600 Blair Stone

Road, Tallahassee, Florida 32399-2400. Petitions filed by the permit applicant must be filed within fourteen (14) days of receipt of this intent. Petitions filed by other persons must be filed within fourteen (14) days of publication of the public notice or within fourteen (14) days of receipt of this intent, whichever first occurs. 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, concerning the subject permit application. Petitions which are not filed in accordance with the above provisions will be dismissed.

Executed in Tallahassee, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION

For C. H. Fancy, P.E.
Deputy Chief
Bureau of Air Quality
Management

Copies furnished to:

Jack Preece, Northwest District
Charles T. Fontaine, P.E.

RULES OF THE ADMINISTRATIVE COMMISSION
MODEL RULES OF PROCEDURE
CHAPTER 28-5
DECISIONS DETERMINING SUBSTANTIAL INTERESTS

28-5.15 Requests for Formal and Informal Proceedings

(1) Requests for proceedings shall be made by petition to the agency involved. Each petition shall be printed, typewritten or otherwise duplicated in legible form on white paper of standard legal size. Unless printed, the impression shall be on one side of the paper only and lines shall be double spaced and indented.

(2) All petitions filed under these rules should contain:

(a) The name and address of each agency affected and each agency's file or identification number, if known;

(b) The name and address of the petitioner or petitioners;

(c) All disputed issues of material fact. If there are none, the petition must so indicate;

(d) A concise statement of the ultimate facts alleged, and the rules, regulations and constitutional provisions which entitle the petitioner to relief;

(e) A statement summarizing any informal action taken to resolve the issues, and the results of that action;

(f) A demand for the relief to which the petitioner deems himself entitled; and

(g) Such other information which the petitioner contends is material.

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 June 30, 1988.

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.

Judy Rogers
Clerk

6-30-88
Date

State of Florida
Department of Environmental Regulation
Notice of Intent

The Department of Environmental Regulation hereby gives notice of its intent to issue a permit to Stone Container Corporation to construct a woodyard facility at their kraft pulp mill in Panama City, Bay County, Florida. The Department is issuing this Intent to Issue for the reasons stated in the Technical Evaluation and Preliminary Determination.

Persons whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative determination (hearing) in accordance with Section 120.57, Florida Statutes. The petition must conform to the requirements of Chapters 17-103 and 28-5, Florida Administrative Code, and must be filed (received) in the Department's Office of General Counsel, 2600 Blair Stone Road, Twin Towers Office Building, Tallahassee, Florida 32399-2400, within fourteen (14) days of publication of this notice. Failure to file a petition within this time period constitutes a waiver of any right such person has to request an administrative determination (hearing) under Section 120.57, Florida Statutes.

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 proposed agency action. Therefore, persons who may not wish to file a petition may wish to intervene in the proceeding. A petition for intervention must be filed pursuant to Rule 28-5.207, Florida Administrative Code, at least five (5) days before the final hearing and be filed with the hearing officer if one has been assigned at the Division of Administrative Hearings, Department of Administration, 2009 Apalachee Parkway, Tallahassee, Florida 32301. If no hearing officer has been assigned, the petition is to be filed with the Department's Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400. Failure to petition to intervene within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, Florida Statutes.

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:

Dept. of Environmental Regulation
Bureau of Air Quality Management
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Dept. of Environmental Regulation
Northwest District Office
160 Governmental Center
Pensacola, Florida 32501-5794

Any person may send written comments on the proposed action to Mr. Bill Thomas 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

Stone Container Corporation
Bay County

Permit No. AC 03-148859
Woodyard Facility

Florida Department of Environmental Regulation
Bureau of Air Quality Management
Central Air Permitting

June 30, 1988

I. NAME AND ADDRESS OF APPLICANT

Stone Container Corporation
Post Office Box 2560
Panama City, Florida 32402

II. REVIEWING AND PROCESS SCHEDULE

Date of Receipt of Application: April 29, 1988

Application Completeness Day: April 29, 1988

III. FACILITY LOCATION

The proposed source is located at #1 Everett Avenue in Panama City, Bay County, Florida. The latitude and longitude coordinates are 30' 08" 27° and 85° 37' 17", respectively.

III.2 Standard Industrial Classification Code (SIC)

This facility is classified as follows:

Major Group No. 26 Paper and Allied Products

Industry No. - 2611 Pulp Mills

III.3 Facility Category

Stone Container Corporation is a major facility. This facility is on the list of the 28, major facility categories, Kraft Pulp Mill, Table 500-1, Chapter 17-2, Florida Administrative Code. The proposed source will emit approximately 14.2 tons per year of particulate matter (PM).

IV. PROJECT DESCRIPTION

This project consists of constructing a new woodyard facility. The proposed system will consist of the following equipment:

- o Barking drums
- o Chippers
- o Purchased Chip Unloading
  - a. Railcars
  - b. Trucks
- o Purchased Chip Conveying
- o Bark Conveying to Hog
- o Bark Hogging
- o Bark Conveying to Silo

The new facility will reduce log processing by approximately 356,000 cords per year with an increase in chip receipts of

approximately the same amount. The new woodyard configuration will result in a more cost effective operation for the mill.

V. RULE APPLICABILITY

This project is subject to preconstruction review under the provision of Chapter 403, Florida Statutes and Chapter 17-2, FAC.

This source site is located in an area, Bay County, currently designated attainment for all pollutants in accordance with Rule 17-2.420, FAC.

This project, a woodyard facility, will be permitted pursuant to Rule 17-2.520, FAC, Sources not Subject to Prevention of Significant Deterioration or Nonattainment Requirement.

The proposed source shall comply with Rules 17-2.610, FAC, General Particulate Emissions Limiting Standards and 17-2.250, FAC, Excess Emissions.

VI. EMISSIONS SUMMARY

The operation of the new facility will produce emissions of particulate matter. Excess fugitive emissions from this facility are controlled to a minimum by the following features:

- o All conveyors are covered.
- o All access road will be paved.
- o Chips manufactured on site will be screened prior to storage.
- o Chips will be screened following removal from storage prior to conveying to the digesters.

The allowable emission for this source shall not exceed 14.2 tons per year of particulate matter. This represents a decrease of 16.75 tons per year over the present system.

VI.1 Air Quality Review

From a technical review of the application, the Department has determined that the installation and operation of this facility will not have a detrimental impact on Florida's ambient air quality.

VII. CONCLUSION

Based on the review of the data submitted by Stone Container Company, the Department concludes that compliance with all applicable state air quality regulations will be achieved provided certain specific conditions are met. The impact of installing and operating the new woodyard facility will not cause or contribute to a violation of any ambient air quality standards.

Florida Department of Environmental Regulation

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

Bob Martinez, Governor | Dale Twachtmann, Secretary | John Shearer, Assistant Secretary

PERMITTEE:
Stone Container Corp.
Post Office Box 2560
Panama City, FL 32402

Permit Number: AC 03-148859
Expiration Date: April 30, 1990
County: Bay
Latitude/Longitude: 30° 08' 27"N
85° 37' 17"W
Project: Woodyard Facility

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rule(s) 17-2 and 17-4. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the Department and made a part hereof and specifically described as follows:

For the construction of a woodyard facility to be located at the Stone Container Corporation's kraft pulp mill in Panama City, Bay County Florida.

The Standard Industrial Codes are: Major Group 26: Paper and Allied Products; Industry No. 2621-Pulp Mills

Construction will be in accordance with the permit application, plans, documents, and reference materials submitted unless otherwise stated in the General and Specific Conditions.

Attachment to be Incorporated:

1. Application to Construct Air Pollution Sources, DER form 17-1.122(1b) dated April 29, 1988.

PERMITTEE:
Stone Container Corp.

Permit Number: AC 03-148859
Expiration Date: April 30, 1990

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions" and as such are binding upon the permittee and enforceable pursuant to the authority of Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is hereby placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of the "Permit Conditions" by the permittee, its agents, employees, servants or representatives.

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. Nor 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 does not constitute 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, plant or aquatic life or property and penalties therefore caused by the construction or operation of this permitted source, 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.

GENERAL CONDITIONS:

6. The permittee shall at all times 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.

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, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:

a. Having access to and copying any records that must be kept under the conditions of the permit;

b. Inspecting the facility, equipment, practices, or operations regulated or required under this permit; and

c. Sampling or monitoring 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 notify and provide the Department with the following information:

a. a description of and cause of non-compliance; and

b. the period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.

GENERAL CONDITIONS:

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 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 arising under the Florida Statutes or Department rules, except where such use is proscribed by Sections 403.73 and 403.111, Florida Statutes.

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

11. This permit is transferable only upon Department approval in accordance with Florida Administrative Code Rules 17-4.12 and 17-30.30, as applicable. The permittee shall be liable for any noncompliance of the permitted activity until the transfer is approved by the Department.

12. This permit is required to be kept at the work site of the permitted activity during the entire period of construction or operation.

13. This permit also constitutes:

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

14. The permittee shall comply with the following monitoring and record keeping requirements:

a. Upon request, the permittee shall furnish all records and plans required under Department rules. The retention period for all records will be extended automatically, unless otherwise stipulated by the Department, during the course of any unresolved enforcement action.

GENERAL CONDITIONS:

b. The permittee shall retain 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), copies of all reports required by this permit, and records of all data used to complete the application for this permit. The time period of retention shall be 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 date(s) analyses were performed;
- the person responsible for performing the analyses;
- the analytical techniques or methods used; and
- the results of such analyses.

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

SPECIFIC CONDITIONS:

1. This source shall be allowed to operate continuously (8760 hours per year).

2. Fugitive and unconfined particulate matter (PM) emissions shall be minimized in accordance with the following operational parameters:

a) Chips manufactured on site will be screened prior to storage.

SPECIFIC CONDITIONS:

b) Chips will be screened following removal from storage prior to conveying to the digesters.
c) All conveyor systems will be covered or enclosed.
d) Drop distance from the chip storage stacker is maintained to a minimum.
e) All access roads will be paved.

3. In accordance with FAC Rule 17-2.610(3), Unconfined Emissions of PM, reasonable precautions to control emissions of unconfined PM may include, but shall not be limited to the following:

a) Reduced speeds for vehicular traffic.
b) Use of liquid resinous adhesives or other liquid dust suppressants or wetting agents.
c) Removal of particulate matter from paved roads and/or other paved areas by vacuum cleaning or otherwise by wetting prior to sweeping.
d) Covering of trucks, trailers, front end loaders, and other vehicles or containers to prevent spillage of particulate matter during transport.
e) Use of mulch, hydroseeding, grassing and/or other vegetative ground cover on barren areas to prevent or reduce windblown particulate matter.
f) Use of hoods, fans, filters, and similar equipment to contain, capture, and vent particulate matter.

4. The annual projected roundwood and purchased chips to be processed through the woodyard are:

Roundwood	335,118 cords/year
Purchased Chips	416,812 cords/year

5. The annual amounts of roundwood and purchased chips by type processed through the woodyard shall be submitted in the annual operating report to the DER Northwest District office by February 1 of each year.

6. The projected potential PM emissions from the woodyard chip manufacturing system shall not exceed:

PERMITTEE:
Stone Container Corp.

Permit Number: AC 03-148859
Expiration Date: April 30, 1990

SPECIFIC CONDITIONS:

Source	Project Potential PM Emissions (TPY)
Woodyard	
Debarking	10.45
Purchased chip unloading and conveying	2.17
Fugitives from own make chips	1.58
	14.2

7. The construction shall reasonably conform to the plans and schedule submitted in the application. If the permittee is unable to complete construction on schedule, he must notify the Department in writing 60 days prior to the expiration of the construction permit and submit a new schedule and request for an extension of the construction permit (FAC Rule 17-4.09).

To obtain a permit to operate, the permittee must demonstrate compliance with the conditions of the construction permit and submit a complete application for an operating permit, including the application fee, along with test results and Certificate of Completion, to the Department's Northwest District office 90 days prior to the expiration date of the construction permit. The permittee may continue to operate in compliance with all terms of the construction permit until its expiration date. Operation beyond the construction permit expiration date requires a valid permit to operate (FAC Rule 17-4.22 and 17-4.23).

If the construction permit expires prior to the permittee requesting an extension or filing an application for a permit to operate, then all activities at the project must cease and the permittee must apply for a new permit to construct which can take up to 90 days to process a complete application (FAC Rule 17-4.10).

Issued this_____day of_____, 1988

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION

_____
Dale Twachtmann, Secretary

ATTACHMENT 1

Available Upon Request.

PM
7-14-88
Panama City, FL

file copy

Stone Container Corporation

Containerboard and Paper Division

Panama City Mill

Post Office Box 2560
Panama City, Florida 32402

(904) 785-4311

Fold at line over top of envelope to the right of the return address

CERTIFIED

P 798 534 899

MAIL

July 14, 1988

Mr. Bill Thomas
Florida Dept. of Environmental Regulation
Bureau of Air Quality Management
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, FL 32399-2400

Dear Mr. Thomas:

Enclosed is proof of publication of the notice of intent to issue the construction permit for our proposed new woodyard the the Panama City Mill of Stone Container Corporation.

Yours very truly,

L. D. Riley, Jr.

L. D. Riley, Jr.
Environmental Superintendent

/cf

Enclosure

cc: Jack Prescott
Gary Nellis

copied: Teresa Heron
Jack Preece, NW Dist.

RECEIVED

JUL 15 1988

DER - BAQM

Stone Container Corporation

Containerboard and Paper Division

Post Office Box 2560
Panama City, Florida 32402

PANAMA CITY JUL 14 '88 FL

U.S. POSTAGE 02.45 HENDERSON 2414782

Mr. Bill Thomas
Florida Dept. of Environmental Regulation
Bureau of Air Quality Management
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, FL 32399-2400

Florida Freedom Newspapers, Inc.

PUBLISHERS OF THE NEWS - HERALD

Panama City, Bay County, Florida

Published Daily

Any person may send written comments on the proposed action to Mr. Bill Thomas 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.
July 12, 1988

State of Florida
County of Bay

Before the undersigned authority appeared _____

KAYE NICHOLS , **who on oath says that (s)he**

is ADVERTISING DIRECTOR **of the News-Herald, a daily**

newspaper published at Panama City, in Bay County, Florida; that the attached copy

of advertisement, being a NOTICE OF INTENT

in the matter of DEP OF ENVIRONMENTAL REG. INTENT TO ISSUE A PERMIT TO STONE CONTAINER CORPORATION

in the BAY COUNTY COURTS

Court, was published in said newspaper in the issues of JULY 12

Affiant further says that the News-Herald is a direct successor of the Panama City News and that this publication, together with its direct predecessor, has been continuously published in said Bay County, Florida, each day (except that the predecessor, Panama City News, was not published on Sundays), and that this publication, together with its said predecessor, has been entered as a second class mail matter at the post office in Panama City in said Bay County, Florida, for a period of one year next preceding the first publication of the attached copy of the advertisement, all in accordance with the provisions of section 49.03, Florida Statutes; and affiant further says that (s)he 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.

Kaye Nichols

Sworn to and subscribed before me this 12th **day of**

JULY , **A. D., 19** 88 .

RITA [illegible] NOTARY PUBLIC STATE OF FLORIDA

Rita Loucola

Notary Public, State of Florida at Large

My Commission Expires Notary Public, State of Florida
My Commission Expires Aug. 1, 1989
Bonded Thru Troy Fain - Insurance, Inc.

4715

State of Florida
Department of
Environmental
Regulation
Notice of Intent

The Department of Environmental Regulation hereby gives notice of its intent to issue a permit to Stone Container Corporation to construct a woodyard facility at their kraft pulp mill in Panama City, Bay County, Florida. The Department is issuing this Intent to Issue for the reasons stated in the Technical Evaluation and Preliminary Determination.

Persons whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative determination (hearing) in accordance with Section 120.57, Florida Statutes. The petition must conform to the requirements of Chapters 17-103 and 28-5, Florida Administrative Code, and must be filed (received) in the Department's Office of General Counsel, 2600 Blair Stone Road, Twin Towers Office Building, Tallahassee, Florida 32399-2400, within fourteen (14) days of publication of this notice. Failure to file a petition within this time period constitutes a waiver of any right such person has to request an administrative determination (hearing) under Section 120.57, Florida Statutes.

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 proposed agency action. Therefore, persons who may not wish to file a petition may wish to intervene in the proceeding. A petition for intervention must be filed pursuant to Rule 28-5.207, Florida Administrative Code, at least five (5) days before the final hearing and be filed with the hearing officer if one has been assigned at the Division of Administrative Hearings, Department of Administration, 2009 Apalachee Parkway, Tallahassee, Florida 32301. If no hearing officer has been assigned, the petition is to be filed with the Department's Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400. Failure to petition to intervene within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, Florida Statutes.

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:

Dept. of Environmental Regulation
Bureau of Air Quality Management
2600 Blair Stone Road
Tallahassee, Florida
32399-2400

Dept. of Environmental Regulation
Northwest District Office
j160 Governmental Center
Pensacola, Florida
32501-5794

PM
7-7-88
Panama City, FL

file copy

Stone Container Corporation

Containerboard and Paper Division

Panama City Mill

Post Office Box 2560
Panama City, Florida 32402

(904) 785-4311

July 7, 1988

Mr. Bill Thomas
Bureau of Air Quality Management
Florida Dept. of Environmental Regulation
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, FL 32399-2400

Re: DER File No. AC03-148859

Dear Mr. Thomas:

Confirming our telephone conversation today, there is an error in specific Condition 2(a) of the draft construction permit for the proposed new woodyard at the Panama City Mill of Stone Container Corporation. Condition 2(a) should read: chips manufactured on site will be screened following storage not prior to storage.

Please make this change in specific Condition 2(a). Thank you for your consideration in this matter.

Yours very truly,

L. D. Riley, Jr.
Environmental Superintendent

/cf

cc: Jack Prescott
Gary Nellis
Tem Fontaine

copied: Teresa Heron
Jack Preece
CHF/BT
} 7-8-88

Stone Container Corporation

Containerboard and Paper Division

Post Office Box 2560
Panama City, Florida 32402

Mr. Bill Thomas
Bureau of Air Quality Management
Florida Dept. of Environmental Regulation
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, FL 32399-2400

Stone Container Corporation

Containerboard and Paper Division

Panama City Mill
Post Office Box 2560
Panama City, Florida 32402

(904) 785-4311

September 13, 1990

Mr. Clair Fancy
Bureau Chief, Air Regulation
Florida Dept. of Environmental Regulation
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, FL 32399

Dear Mr. Fancy:

Due to an oversight we have allowed the construction permit, AC 03-148859 for our woodyard, to expire before we applied for an operating permit. The Northwest District office notified us of the permit expiration and we have agreed to settle the issue through the short form consent order procedure.

Per the Northwest District office's suggestion, we request that the expiration date of construction permit No. AC 03-148859 be extended until December 31, 1990. This extension will allow us time to file for an operating permit for our woodyard.

Yours very truly,

L. D. Riley, Jr.

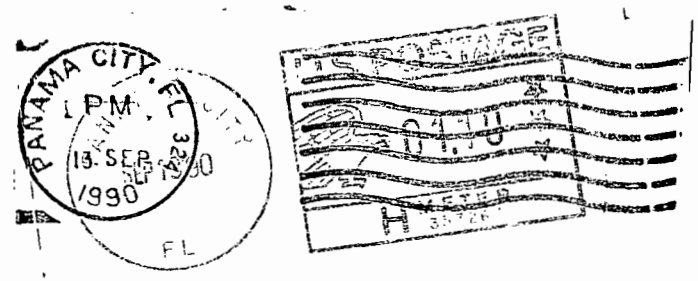
/cf

cc: D. Heron
E. Middlewart

Stone Container Corporation

Containerboard and Paper Division

Post Office Box 2560
Panama City, Florida 32402



Fold at line over top of envelope to the right of the return address.

CERTIFIED

P 798 528 779

MAIL

Mr. Clair Fancy
Bureau Chief, Air Regulation
Florida Dept. of Environmental Regulation
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, FL 32399

...URN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1. ☐ Show to whom delivered, date, and addressee's address. *(Extra charge)*
2. ☐ Restricted Delivery *(Extra charge)*

3. Article Addressed to: L.D. Riley, Jr. Stone Container Corp. P.O. Box 2560 Panama City, Fl 32402	4. Article Number P 280 742 427 Type of Service: ☐ Registered ☐ Insured ☒ Certified ☐ COD ☐ Express Mail ☐ Return Receipt for Merchandise Always obtain signature of addressee or agent and DATE DELIVERED.
5. Signature — Addressee X 6. Signature — Agent X L Barker 7. Date of Delivery 10-3-90	8. Addressee's Address *(ONLY if requested and fee paid)*

P 280 742 427

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL
(See Reverse)

Sent to L.D. Riley	
Street and No. Stone Cont. Corp	
P.O., State and ZIP Code P.O. BOX 2560 Panama City, Fl	
Postage	$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	$
Postmark or Date 10-1-90 AC 03-148859	

PS Form 3800, June 1985 ☆U.S.G.P.O. 1989-234-555

Florida Department of Environmental Regulation
Twin Towers Office Bldg. ● 2600 Blair Stone Road ● Tallahassee, Florida 32399-2400
Bob Martinez, Governor Dale Twachtmann, Secretary John Shearer, Assistant Secretary

September 26, 1990

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

L. D. Riley, Jr.
Stone Container Corporation
P. O. Box 2560
Panama City, Florida 32402

Dear Mr. Riley:

Re: Permit No. AC 03-148859
Woodyard Facility

The Department is in receipt of your letter dated September 13, 1990, requesting an extension of the expiration date of the aboved mentioned permit. This source is located at the Stone Container Corporation's kraft pulp facility in Panama City, Bay County, Florida. This request is acceptable. The expiration date will be changed as follows:

From: April 30, 1990
To: **December 31, 1990.**

This letter must be attached to the above mentioned permit and shall become a part of the permit.

Attachment to be Incorporated:

• Mr. L. D. Riley's letter of September 13, 1990.

Sincerely,

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

SS/TH/plm

c: Ed Middleswart, NW District
Carolyn Salmon, NW District
Reading File
Teresa Heron } 10/1/90 KT