

Jeb Bush  
Governor

# Department of Environmental Protection

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

David B. Struhs  
Secretary

March 10, 2004

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. D.C. Brooks, General Manager  
Stone Container Corporation  
P.O. Box 26998  
Jacksonville, FL 32226-6998

Re: Air Construction Permit Modification  
Stone Container Corporation – Jacksonville Mill  
DEP File No. 0310067-007-AC (PSD-FL-252A)

Dear Mr. Brooks:

On November 6, 2003, the Florida Department of Environmental Protection (DEP, or "the Department") received your application requesting four separate minor revisions to the current Prevention of Significant Deterioration (PSD) air construction permit for the Stone Container Corporation's Jacksonville mill in Duval County (Permit No. 0310067-004-AC and PSD-FL-252). This letter is issued pursuant to our review of your request.

As described below, the Department hereby modifies the above referenced air construction permit. Details of the rationale for the following changes are given in the Department's Technical Evaluation dated January 7, 2004, as well as in the enclosed Final Determination accompanying this letter.

### SECTION III. EMISSION UNIT(S) SPECIFIC CONDITIONS

4. In accordance with the terms of the Cedar Bay Cogeneration Project (CBCP) site certification, Stone Container Corporation (SCC) ~~is limited to 640,000 lb/hr total steam consumption (380,000 lb/hr imported from CBCP and 260,000 lb/hr produced by SCC). When CBCP is not in operation or operating at reduced rates, SCC is permitted to produce up to 450,000 lb/hr total steam for all three package boilers and import up to 190,000 lb/hr from CBCP.~~ This allows a maximum firing rate of 645 MMBtu/hr for all three package boilers when the CBCP facility is shutdown or operating at reduced rates. In addition, the SCC paper mill is limited to 640,000 lb/hr total steam consumption.
5. The maximum allowable NO<sub>x</sub> emissions shall not exceed 0.2 lb/MMBtu on a 30-day rolling average basis, 43.94 lbs/hr on a 30-day rolling average basis, and 153.1 tons/yr per boiler. The total NO<sub>x</sub> emissions from the three package boilers, in accordance with the terms of the CBCP site certification, shall not exceed 310 tons per year.
10. Compliance tests for NO<sub>x</sub> shall be conducted in accordance with 40 CFR 60.46b(e)(4). Compliance with SO<sub>2</sub> limits shall be in accordance with 40 CFR 60.49b(r), and a stoichiometric quantification for SO<sub>2</sub> emissions shall be utilized using the actual density and sulfur weight percent and the quantity of fuel oil fired monthly. Compliance with visible emission limits shall be demonstrated initially and annually in accordance with EPA Method 9 during each federal fiscal year in which the three package boilers have operated or are projected to operate a total of 400 hours or more.

"More Protection, Less Process"

Printed on recycled paper.

A copy of this letter shall be filed with the referenced permit and shall become part of the permit. This permitting decision is issued pursuant to Chapter 403, Florida Statutes.

Any party to this permitting decision (order) has the right to seek judicial review of it under Section 120.68 of the Florida Statutes, by filing a notice of appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with the clerk of the Department of Environmental Protection in the Office of General Counsel, Mail Station #35, 3900 Commonwealth Boulevard, Tallahassee, Florida, 32399-3000, 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 must be filed within thirty days after this order is filed with the clerk of the Department.

Executed in Tallahassee, Florida



Michael G. Cooke, Director  
Division of Air Resources  
Management

**CERTIFICATE OF SERVICE**

The undersigned duly designated deputy agency clerk hereby certifies that this PERMIT MODIFICATION was sent by certified mail (\*) and copies were mailed by U.S. Mail before the close of business on 3/16/04 to the person(s) listed:

- D.C. Brooks, Stone Container Corporation (\*)
- M. Rundlett, Stone Container Corporation
- R. Robinson, City of Jacksonville ERMD/EQD
- C. Kirts, DEP/NED
- B. Oven, DEP/OSC
- G. Worley, EPA
- J. Bunyak, NPS
- G.K. Radlinski, Esq., City of Jacksonville
- N.B. Barnard, Esq., St. John's River Management District
- J. Anista, General Counsel, Florida Game and Fresh Water Fish Commission
- R. Vandiver, General Counsel, Florida Public Service Commission
- D. Russ, Esq., Department of Community Affairs
- D. Roberts, Esq., HGSS
- E.M. Barkin, Esq., Slott and Barker
- L.N. Curtin, Esq., Holland and Knight
- David Buff, Golder

Clerk Stamp

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


  
(Clerk) 3/16/04  
(Date)

# Florida Department of Environmental Protection

## Memorandum

TO: Michael Cooke

THRU: Trina Vielhauer  
Jim Pennington

FROM: Greg DeAngelo 

DATE: March 3, 2004

SUBJECT: Stone Container Corporation – Jacksonville Recycled Fiber Paper Mill  
Air Construction Permit Modification  
DEP File No. 0310067-007-AC (PSD-FL-252A)

Stone Container Corporation (SCC) applied for the following four minor revisions to the above referenced air construction permit for their 100 percent recycled fiber paper mill in Jacksonville, Duval County:

- to clarify the steam production versus steam consumption limits at the paper mill,
- to confirm that the averaging time for the nitrogen oxides limits is a 30-day rolling average basis,
- to waive the annual visible emissions evaluation in years with little boiler operation, and
- to put off the annual audits for the NO<sub>x</sub> CEMS until each monitor has been in service for 8,000 hours.

The recycled paper mill went on-line as the older paper mill was shutting down and the adjacent Cedar Bay Cogeneration Project (CBCP) was being built. Presently, most of the steam required by the recycled paper mill is provided by the CBCP, with supplemental firing of three package boilers located on-site at the mill. The original permit for the recycled paper mill limited total consumption of steam at the mill to 640,000 lb/hr. The CBCP site certification specifies that the total steam produced by the three package boilers located at the mill is limited to 450,000 lb/hr. The site certification does not limit the amount of steam imported from CBCP. This permit modification clarifies the two applicable limits for the mill (i.e., up to 450,000 lb/hr steam produced at the mill and up to 640,000 lb/hr steam consumed by the mill) and makes the SCC permit consistent with the site certification for CBCP.

The short term (lb/MMBtu and lb/hr) emission limits for NO<sub>x</sub> are derived from the applicable Federal requirements of 40 CFR Part 60, Subpart Db, the New Source Performance Standards (NSPS) for industrial, commercial, and institutional steam generating units. The NSPS are clear that these limits are to be evaluated as 30-day rolling averages. This permit modification confirms that the short term limits should be calculated as 30-day rolling averages.

The only annual testing required by the permit is a visible emissions evaluation, and the mill expects to be using the on-site package boilers only sparingly in the future. To avoid forcing the mill to start-up and fire the boilers at near their maximum capacity if the boilers would otherwise remain shutdown, this permit modification waives the requirement to conduct the annual visible emissions evaluation during years in which the boilers operate less than 400 hours in total.

Regarding the request to conduct the Relative Accuracy Test Audit (RATA) less frequently, the quality assurance procedures for the continuous monitoring system clearly state that the time between audits cannot be extended beyond once every four calendar quarters. The permit modification therefore does **not** include any changes to the RATA requirements.

Day 90 for this action is March 16, 2004. I recommend your approval.

Attachments

## **FINAL DETERMINATION**

Stone Container Corporation – Jacksonville Recycled Fiber Paper Mill  
Air Construction Permit Modification  
DEP File No. 0310067-007-AC, PSD-FL-252A

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The Department distributed a public notice package on January 7, 2004, for a modification to the air construction permit for Stone Container Corporation's 100 percent recycled fiber paper mill in Jacksonville, Duval County. This permit modification clarifies the steam production versus steam consumption limits at the paper mill, confirms the averaging times for purposes of compliance with nitrogen oxides emission limits, and waives annual visible emissions evaluations in years with little or no boiler operation. The Public Notice of Intent to Issue was published in the Florida Times-Union on January 29, 2004.

### **COMMENTS/CHANGES**

The Department did not receive comments from the public, the U.S. Environmental Protection Agency (EPA), the National Park Service, the Department's Northeast District Office, the City of Jacksonville Environmental Resource Management Department (ERMD), nor the applicant.

### **CONCLUSION**

The final action of the Department is to issue the permit modification as it was proposed.

PLACE STICKER AT TOP OF ENVELOPE

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<p> <input checked="" type="checkbox"/> Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.  <input checked="" type="checkbox"/> Print your name and address on the reverse so that we can return the card to you.  <input checked="" type="checkbox"/> Attach this card to the back of the mailpiece, or on the front if space permits.                 </p> <p>1. Article Addressed to:</p> <p>Mr. D.C. Brooks                      General Manager                      Post Office Box 26998                      Jacksonville, FL 32226-6998</p>	<p>A. Signature <i>[Signature]</i> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) <i>Michael W. [unclear]</i> C. Date of Delivery</p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes                      If YES, enter delivery address below: <input type="checkbox"/> No</p>
<p>2. Article Number (Transfer from service label) 7000 1670 0013 3109 8482</p>	<p>3. Service type:</p> <p> <input checked="" type="checkbox"/> Certified Mail    <input type="checkbox"/> Express Mail  <input type="checkbox"/> Registered    <input type="checkbox"/> Return Receipt for Merchandise  <input type="checkbox"/> Insured Mail    <input type="checkbox"/> C.O.D.                 </p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>

PS Form 3811, August 2001    Domestic Return Receipt    102595-02-M-1540

7000 1670 0013 3109 8482

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<b>Total Postage &amp; Fees</b>	<b>\$</b>	

Sent To *Mr. D.C. Brooks*

Street Apt. No. or PO Box No. *PO Box 26998*

City, State, ZIP+4 *Jacksonville, FL - 32226-6998*

PS Form 3800, May 2000    See Reverse for Instructions