

Folder Name: Georgia Pacific Corporation

Folder Number: VE Std- Wet Plume Srces

*** ** *****

The permit(s) referenced below are related to this ^{file} ~~permit~~. They may or may not be imaged in this system.

AC 54 - 192551	AO 16 - 159612
AC 54 - 193841	AO 16 - 159615
PSD FL - 171	AO 16 - 159616
AC 54 - 131787	AO 16 - 155786
AO 54 - 198269	AO 16 - 155787
AO 62 - 126398	AO 16 - 155788
AO 62 - 126937	AO 03 - 141022
AO 62 - 130573	AO 03 - 156517
AO 62 - 187788	AO 03 - 169285
AO 62 - 191214	AO 03 - 169287
AO 23 - 164848	AO 03 - 169291
AO 23 - 164869	AO 03 - 174793
AO 23 - 175311	AO 17 - 137615
AO 23 - 175314	AO 17 - 145038
AO 23 - 175315	AO 17 - 146028
AO 16 - 174975	AO 17 - 151541
AO 16 - 174976	AO 17 - 181734
AO 16 - 174977	AO 17 - 181735
AO 16 - 155275	AO 17 - 181738

ATTACHMENT 1

BEFORE THE STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

ST. JOE PAPER COMPANY,)
)
Petitioner,)
)
vs.)
)
STATE OF FLORIDA DEPARTMENT)
OF ENVIRONMENTAL REGULATION,)
)
Respondent.)

OGC FILE NO. 85-0242

STIPULATION FOR DISMISSAL OF HEARING

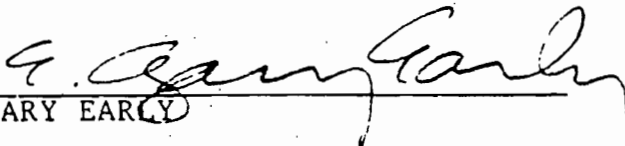
Petitioner, ST. JOE PAPER COMPANY, and Respondent, FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION, enter into this Stipulation for the settlement of the above-entitled case, based upon the following agreement of the parties:

1. The Department of Environmental Regulation will agree to remove from the proposed permit the condition which requires periodic opacity testing by St. Joe Paper Company.
2. The Department will instead insert language as part of the conditions of the permit that the opacity standard in the air rules is applicable to the lime kilns, and that St. Joe Paper Company may be required to test should the Department have reasonable grounds to believe that a violation of the opacity limit is occurring. St. Joe Paper Company on its part agrees to accept those conditions so long as the referenced rule is in effect.
3. St. Joe Paper Company will agree to submit a petition for rulemaking and suggested language for the rule change which it proposes, and the Department agrees to in good faith consider such a rule, although no commitments are made as to whether the rule will or will not be changed until such investigation is completed. St. Joe Paper Company on its part agrees to cooperate in the rulemaking effort, and furnish such information as it can regarding the proposed rule.

IN CONSIDERATION OF THE ABOVE AGREEMENTS, the Parties request that the Hearing Officer enter a Recommended Order incorporating this Stipulation, and cancel the hearing currently scheduled for September 19, 1985.

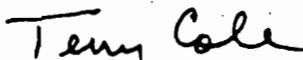
FLORIDA DEPARTMENT OF
ENVIRONMENTAL REGULATION
2600 Blair Stone Road
Tallahassee, Florida 32301

OERTEL & HOFFMAN, P.A.
2700 Blair Stone Road
Suite C
Tallahassee, Florida 32301


GARY EARLY

Attorney for Respondent

Date: 08 28 85

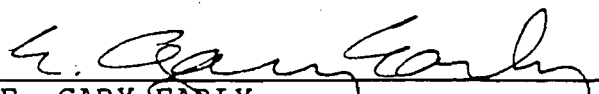

TERRY COLE

Attorney for Petitioner

Date: Aug. 23, 1985

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that the original and one true copy of the foregoing STIPULATION FOR DISMISSAL OF HEARING has been furnished by U.S. Mail to Robert T. Benton II, Hearing Officer, Division of Administrative Hearings, The Oakland Building, 2009 Apalachee Parkway, Tallahassee, Florida 32301, and a copy of the same by U.S. Mail to Terry Cole, Esquire, Oertel & Hoffman, P.A., 2700 Blair Stone Road, Suite C, Tallahassee, Florida 32301, this 29 day of August, 1985.


E. GARY EARLY
Assistant General Counsel

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32301
Telephone: (904) 488-9730

ATTACHMENT 2

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

IN RE: *
*
Petition for Rulemaking by *
ST. JOE PAPER COMPANY and *
the FLORIDA PULP AND PAPER *
ASSOCIATION *

CASE NO.:

PETITION FOR RULEMAKING

Petitioners, ST. JOE PAPER COMPANY and the FLORIDA PULP AND PAPER ASSOCIATION, petition the Florida Department of Environmental Regulation and the Environmental Regulation Commission for the adoption of a new paragraph in Rule 17-2.600(11), Florida Administrative Code, which would read:

(11) Lime Kilns at Pulp and Paper Mills.

(a) New and Existing Kilns - as provided in the Process Weight Table, Section 17-2.610(1).

This Petition is filed pursuant to Section 120.54(5), Florida Statutes. Petitioner, St. Joe Paper Company is regulated by the Department of Environmental Regulation, as evidenced by the many permits which have been issued to Petitioner, and the large number of rules which are applicable to and govern its operations, including the one which is the subject of this Petition for Rulemaking. Petitioner, St. Joe Paper Company, thus has standing under Section 120.54(5), Florida Statutes, to file such a petition.

Petitioner, Florida Pulp and Paper Association, is an association of all the pulp and paper companies in the state. All of the companies are regulated by the Florida Department of Environmental Regulation and are subject to Rule 17-2, Fla. Admin. Code. One of the purposes of the Florida Pulp and Paper Association is the monitoring of environmental rules and providing comment on behalf of the industry in Florida. Thus, Petitioner, Florida Pulp and Paper Association, has standing under Section 120.54(5), Fla. Admin. Code to file this Petition.

Petitioners request that the Petition be granted, and that the Department as part of the rulemaking proceedings initiate a review of the proper limitations for lime kilns at pulp and paper mills, including a review of the EPA New Source Performance Standards for lime kilns at pulp and paper mills. Those standards do not contain any limitation on opacity for new sources.

Petitioner, St. Joe Paper Company, previously filed a Petition for Hearing with the Department which was referred to the Division of Administrative Hearings. However, the Petitioner and the Department were able to amicably resolve the matter by the attached Stipulation. In that Stipulation, the Department agreed to initiate an investigation or review of the rule in question, although as specified in the Stipulation, no commitments have been made regarding any changes to the rule. Therefore, Petitioners respectfully request that their Petition be forwarded to the Environmental Regulation Commission and that their Petition for Rulemaking be granted, and that the Department consider the above proposed amendment as part of its review of the rule in question.

Respectfully submitted,

OERTEL & HOFFMAN, P.A.
2700 Blair Stone Road
Suite C
Tallahassee, Florida 32301
(904) 877-0099


TERRY COLE

On behalf of ST. JOE PAPER
COMPANY and the FLORIDA PULP
AND PAPER ASSOCIATION

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that the original and one copy of the foregoing PETITION FOR RULEMAKING has been hand-delivered to:

Mary Smallwood, General Counsel
State of Florida Department of
Environmental Regulation
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32301-8241

and true and correct copy was also hand-delivered to:

E. Gary Early
Assistant General Counsel
State of Florida Department of
Environmental Regulation
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32301-8241

this 31st day of October, 1985.

OERTEL & HOFFMAN, P.A.
Suite C
2700 Blair Stone Road
Tallahassee, Florida 32301

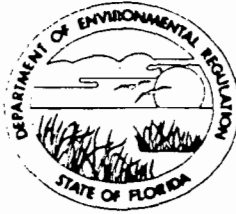

TERRY COLE

On behalf of ST. JOE PAPER
COMPANY and the FLORIDA
PULP AND PAPER ASSOCIATION

ATTACHMENT 3

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

TWIN TOWERS OFFICE BUILDING
2600 BLAIR STONE ROAD
TALLAHASSEE, FLORIDA 32301-8241



BOB GRAHAM
GOVERNOR

VICTORIA J. TSCHINKEL
SECRETARY

TO: Environmental Regulation Commission
FROM: Alfred B. Devereaux, Jr. *AD*
DATE: February 5, 1986
SUBJECT: Executive Summary - Petition to Initiate Rulemaking by
the St. Joe Paper Company and the Florida Pulp and Paper
Association.

Issue:

Whether to accept or deny the subject petition to initiate rulemaking procedures for development of rules for particulate and visible emissions limiting standards specifically for lime kilns at kraft pulp mills.

Background:

The St. Joe Paper Company petitioned for a hearing regarding proposed permit conditions to be held September 19, 1985 on the requirement for periodic visible emission testing by the Company on its lime kilns. The visible emission and particulate emission limiting standards imposed in the permit were those found in Florida Administrative Code Rule 17-2.610. Prior to the hearing, the Company and the DER stipulated to a dismissal of the hearing based on several conditions. One of these conditions included an agreement by DER "to in good faith consider such a rule, although no commitments are made as to whether the rule will or will not be changed until such investigation is completed". The rule to be considered would include an emission limiting standard for visible emissions and particulate emissions from kraft pulp mill lime kilns. The petitioner has proposed draft rule language. The Department intends to consider petitioner's draft rule, but will ultimately attempt to formulate a rule in keeping with the technical capabilities of the industry.

Environmental Regulation Commission
Page Two
February 5, 1986

Alternatives:

The Commission may choose one of the following:

(1) Refuse the petition. This action would deny a logical procedure to attempt to resolve questions regarding the application of the visible emission and particulate emission limiting standards.

(2) Accept the petition. This action would allow the DER to consider the basis for the existing rule, and propose changes through rulemaking procedures when and if necessary.

Recommendation:

The DER recommends that the petition be accepted.

AD:mjw

Best Available Copy

LAW OFFICES

OERTEL & HOFFMAN

A PROFESSIONAL ASSOCIATION

KENNETH G. OERTEL
KENNETH F. HOFFMAN
SEGUNDO J. FERNANDEZ
TERRY COLE
SYDNEY H. MCKENZIE, III
M. CHRISTOPHER BRYANT
W. DAVID WATKINS
MARTHA J. EDENFIELD

SUITE C
2700 BLAIR STONE ROAD
TALLAHASSEE, FLORIDA 32301
TELEPHONE (904) 877-0099

November 8, 1985

Mr. E. Gary Early
Assistant General Counsel
Department of Environmental Regulation
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32301

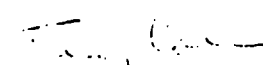
Dear Gary:

As you requested, due to the fact that the Commission will not meet within in the next thirty days, this letter will waive the statutory requirement that such petition for rulemaking be granted or denied within thirty (30) days. This waiver will extend through the next meeting of the Environmental Regulation Commission.

In the meantime, I hope that we can begin working with the Department on this issue, since the Department has already agreed to consider such a rule change. Accordingly, such a waiver of the formal granting of the petition will hopefully not delay the ultimate consideration and action on this petition.

I appreciate the cooperation that both you and Steve Smallwood and his staff have given. Please coordinate with us in terms of any recommendations that the Department makes to the Commission on the Petition, and we will do the same.

Sincerely,


Terry Cole

TC:nhg

cc: Mr. Robert Neadly
Mr. Lewis Taylor
Mr. Steve Smallwood

ATTACHMENT 4

OERTEL, HOFFMAN, FERNANDEZ & COLE, P A.

ATTORNEYS AT LAW

SUZANNE BROWNLESS
M. CHRISTOPHER BRYANT
R. L. CALEEN, JR.
C. ANTHONY CLEVELAND
TERRY COLE
ROBERT C. DOWNIE, II
MARTHA J. EDENFIELD
SEGUNDO J. FERNANDEZ
KENNETH F. HOFFMAN
KENNETH G. OERTEL
HAROLD F. X. PURNELL
PATRICIA A. RENOVITCH
SCOTT SHIRLEY
THOMAS G. TOMASELLO
W. DAVID WATKINS

SUITE C
2700 BLAIR STONE ROAD
TALLAHASSEE, FLORIDA 32301

MAILING ADDRESS:
POST OFFICE BOX 6507
TALLAHASSEE, FLORIDA 32314-6507

TELEPHONE (904) 877-0099
FACSIMILE (904) 877-0981

JOHN H. MILLICAN
ENVIRONMENTAL CONSULTANT
NOT A MEMBER OF THE FLORIDA BAR

J. P. SUBRAMANI, PH. D., P. E.
ENVIRONMENTAL CONSULTANT
NOT A MEMBER OF THE FLORIDA BAR

April 2, 1991

RECEIVED
APR 2 1991

Mr. Steve Smallwood
Director
Division of Air Resources Management
Florida Department of Environmental Regulation
2600 Blair Stone Road
Tallahassee, FL 32399-2400

Dept. of Environmental Reg.
Office of General Counsel

Re: Petition for Rulemaking for Visible Emission Limits for Sources With Wet Scrubbers

Dear Mr. Smallwood:

For several years the Department and the Florida Pulp and Paper Association have dealt with issues involving visible emission limiting standards (opacity) for sources with wet scrubbers. Frequently, these issues have involved scrubbers controlling either lime kilns, recovery boilers, or smelt dissolving tanks. Those issues have continued up through the recent modification of a Jefferson Smurfit lime kiln construction permit. Quite a few sources within the pulp and paper industry have wet scrubbers and thus encounter the difficulty of complying with this imprecise method of measuring particulate matter compliance.

The Environmental Regulation Commission, at the Department's recommendation, granted a Petition for Rulemaking to initiate rulemaking for lime kiln visible emissions. The petition was granted on February 19, 1986. A copy of the Petition and Executive Summary for the ERC and Stipulation is attached. We have had a number of meetings with Department staff over the last several years to discuss this rule and the Department scheduled it for adoption with a corrective amendments package a couple of years ago. However, the corrective amendments to Rule 17-2 dropped behind schedule and with it the opacity limitation review.

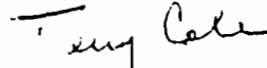
We believe that it is now time to renew efforts at adopting a specific rule on visible emission limits or opacity for sources with wet scrubbers. The rule should encompass both particulate

Mr. Steve Smallwood
April 2, 1991
Page 2

attainment areas and air quality management areas which are currently unclassified. We will be glad to provide assistance and input. Previously, such a joint effort resulted in a rule on recovery boilers, which has worked well. We pledge our efforts at supporting the Department's rulemaking efforts on wet sources.

We would like to meet with you and your staff to discuss the schedule for the rule development effort and information needs regarding this rule. We will contact you shortly to schedule such a meeting.

Sincerely,


Terry Cole

TC:sj

Attachments

xc: Secretary Carol Browner
Gary Smallridge
Vernon Adams
John Millican

ATTACHMENT 5

FLORIDA PULP & PAPER ASSOCIATION
TECHNICAL & ENVIRONMENTAL COMMITTEE

VERNON ADAMS, CHAIRMAN
CLIFFORD HENRY, VICE CHAIRMAN
JOHN MILLICAN, EXECUTIVE DIRECTOR



MAILING ADDRESS:
POST OFFICE BOX 6507
TALLAHASSEE, FL 32314-6507
TELEPHONE (904) 877-0099
TELECOPIER (904) 877-0981

June 25, 1991

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

Re: Visible Emissions

Dear Mr. Fancy:

Attached is a draft letter which, if issued by the Air Bureau, could satisfy the need of each of the Pulp & Paper companies to be covered by the language developed by the Department. Said language was a result of the STIPULATION FOR DISMISSAL OF HEARING contained in OGC File No. 85-024 and included in the petition for rule making which was filed by St. Joe and the Florida Pulp & Paper Association and granted by the ERC on February 19, 1986.

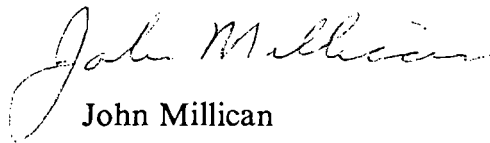
The benefit to the Department is to provide an orderly process for rule making void of any deadline for action. The mutual benefit to the industry and the Department is to provide the permit condition to the industry permits which was agreed to in the stipulation contained in OGC File No. 85-024. This will prevent any unnecessary enforcement situations which might otherwise arise.

Mr. Clair H. Fancy
June 25, 1991
Page 2

The draft, as amended to accommodate Department needs, could be addressed to me with circulation to the attached list or a letter could be addressed to each company on the attached list. If you desired, the letter could be addressed to me and I could circulate it to the group.

We believe this is in agreement with our discussion in the meeting on April 9, 1991 and subsequent telephone discussion. Your prompt attention to provide the permit condition previously agreed to is important to the industry and will be appreciated. If you have concerns or questions please call me or Mr. Terry Cole at (904) 877-0099.

Sincerely,



John Millican
Executive Director
FPPA T&E Committee

JM/Fancy.ltr/sj

xc: FPPA T&E Committee
Mr. Terry Cole

~~CONFIDENTIAL~~

Mr. John Millican
Executive Director
FPPA T&E Committee

DRAFT

RE: Visible Emissions

Dear John:

The purpose of this letter is to provide temporary limits for visible emissions from particulate emission sources in the Pulp & Paper industry which are equipped with Wet scrubbers. The content is based on the STIPULATION FOR DISMISSAL OF HEARING (OGC File No. 85-0242) dated August 28, 1985, between St. Joe Paper Company (now St. Joe Forest Products Company) and the State of Florida Department of Environmental Regulation.

In that stipulation the Department agreed to language requiring St. Joe "...to test should the department have reasonable grounds to believe that a violation of the opacity limit is occurring." The language which the department developed and subsequently included in St. Joe permits reads as follows:

"if the department observes visible emissions in excess of 20% [or applicable limit] opacity it shall be considered good reason to believe that the applicable mass emission standard is in danger of being violated. The permittee shall be required to run a special compliance test in accordance with F.A.C. Rule 17-2.700 (2)(b). Such test shall be conducted within 14 days after the department has notified the permittee of the applicability of this permit condition.

St. Joe agreed "...to accept the conditions so long as the referenced rule is in effect." Also, St. Joe agreed to submit a petition for rule making. St. Joe and the Florida Pulp and Paper Association filed the aforementioned petition on October 31, 1985 and the Environmental Regulation Commission granted the petition on February 19, 1986.

The language in the stipulation was intended as an interim measure to be applied industry wide pending rulemaking as provided in the petition granted by the ERC. Subsequently similar language has been incorporated in the permits for some of the companies in the industry.

In order to avoid the necessity of amending all existing permits, this letter will provide a similar opacity limit to all Pulp and Paper industry particulate emission sources which are

equipped with wet scrubbers. A copy should be appended to affected permits.

Sincerely,

Clair Fancy

Mr. Jerry Cox and Gene Tonn
Jefferson Smurfit Corp.
P. O. Box 150
Jacksonville, FL 32201

Mr. Clifford Henry
Procter & Gamble Cellulose Co.
Rt. 3, Box 260
Perry, FL 32347

Mr. David Arceneaux
Champion International Corp.
P. O. Box 87
Pensacola, FL 32533

Mr. Roger Hagan
Container Corporation of America
North 8th Street
Fernandina Beach, FL 32034

Mr. Milt Shirley
ITT Rayonier, Inc.
750 Hammond Road
Atlanta, GA 30328

Mr. Curt Barton
Stone Container Corp.
P. O. Box 2560
Panama City, FL 32402

Mr. Mike Riddle
Seminole Kraft Corp.
P. O. Box 26998
Jacksonville, FL 32218-0998

Mr. David Riley
Stone Container Corporation
P. O. Box 2560
Panama City, FL 32402

Mr. Lewis Taylor
St. Joe Forest Products Co.
P. O. Box 190
Port St. Joe, FL 32456

Mr. Vernon Adams
Georgia-Pacific Corp.
P. O. Box 919
Palatka, FL 32078

Ms. Virginia Holton
Packaging Corporation of America
P. O. Box 1048
Valdosta, GA 31603

Mr. Bob Fisher
NCASI
P. O. Box 14483
Gainesville, FL 32604

ATTACHMENT 6



Florida Department of Environmental Regulation

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

Lawton Chiles, Governor

Carol M. Browner, Secretary

July 17, 1991

CERTIFIED MAIL-RETURN RECEIPT REQUESTED

Mr. John Millican
Executive Director
FPPA T&E Committee
Post Office Box 6507
Tallahassee, Florida 32314-6507

Dear Mr. Millican:

Re: Visible Emissions - Pulp and Paper Industry

The Department is currently evaluating the request that you sent on June 25, 1991, regarding visible emissions standards and sources equipped with wet scrubber control systems at pulp and paper mills. In order for the Department to completely assess the request, please submit to the Department's Bureau of Air Regulation a listing of each facility's affected source(s), its air permit number(s), and a description of the associated wet scrubber control system [i.e., type, model number, volumetric flow rates (acfm & scfm), scrubber medium and pH, etc.].

If there are any questions, please call Mr. Bruce Mitchell at (904)488-1344 or write to me at the above address.

Sincerely,

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

CHF/BM/rbm

cc: A. Kutyna, NE District
E. Middleswart, NW District
R. Roberson, BESD
G. Smallridge, Esq., DER

ATTACHMENT 7

FLORIDA PULP & PAPER ASSOCIATION
TECHNICAL & ENVIRONMENTAL COMMITTEE

VERNON ADAMS, CHAIRMAN
CLIFFORD HENRY, VICE CHAIRMAN
JOHN MILLICAN, EXECUTIVE DIRECTOR



MAILING ADDRESS:
POST OFFICE BOX 6507
TALLAHASSEE, FL 32314-6507
TELEPHONE (904) 877-0099
TELECOPIER (904) 877 0981

HAND-DELIVERY

August 21, 1991

RECEIVED

AUG 21 1991

Bureau of
Air Regulation

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

Re: Visible Emission Standard for Wet Stacks - Pulp and Paper
Industry

Dear Mr. Fancy:

Following receipt of your July 17, letter, I have gathered the additional information regarding wet scrubber control systems from all of the mills except Champion International Corporation, which is attached. As soon as I receive champion's information, I will send it to you.

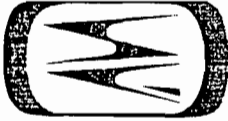
Thank you for your assistance and cooperation in expediting your review of our June 25 request. We would appreciate your agreement with our request.

Sincerely,

John Millican
John Millican *by JMS*

JM/dg/1197

Attach.



CONTAINER CORPORATION OF AMERICA

AN AFFILIATE OF JEFFERSON SMURFIT CORPORATION

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

July 30, 1991

John Millican
Executive Director
Florida Pulp & Paper Association
P.O. Box 6507
Tallahassee, Florida 32314-6507

RECEIVED

AUG 2 1991

OERTEL, HOFFMAN,
FERNANDEZ & COLE, P.A.

Dear Mr. Millican:

The following is the information that you requested for the DER on visible emissions from wet stacks:

#4 Smelt Dissolving Tank

Permit# A045-107514
Scrubber Type: Venturi
Model# Airpol 50,000
Scrubber Medium: Mud Wash Water
Scrubber pH: 12.0 - 12.5
Volumetric Flow: 50,000 acfm

#5 Smelt Dissolving Tank

Permit # A045-167572
Scrubber Type: Venturi
Model# Airpol 50,000
Scrubber Medium: Mud Wash Water
Scrubber pH: 12.0 - 12.5
Volumetric Flow: 50,000 acfm

If you have any questions, please call me at (904) 277-5811.

Sincerely,

R. Scott Shively
Process Engineer
Technical Department

RSS/sl

ITT RAYONIER

WET SCRUBBERS

Source Permit No.	Scrubber Description	Scrubbing Medium	pH	Volumetric Flow Rate ACFM/SDCFM	Remarks
No. 1 Power Boiler AO45-183504	Air Pol - wet Venturi-type "A" scrubber	Waste caustic (1F washer effluent)	5.8 - 6.2	<u>145,000</u> 105,000	Power boilers 1 & 2 normally discharge to "A" scrubber and boiler No. 3 to "B" scrubber. The mill has the capability however to utilize "B" scrubber for boilers 2 & 3.
No. 2 Power Boiler AO45-183506	Air Pol - wet Venturi-type "A" scrubber	Waste caustic (1F washer effluent)	5.8 - 6.2	<u>145,000</u> 105,000	Power boilers 1 & 2 normally discharge to "A" scrubber and boiler No. 3 to "B" scrubber. The mill has the capability however to utilize "B" scrubber for boilers 2 & 3.
No. 3 Power Boiler AO45-183507	Air Pol - wet Venturi-type "B" scrubber	Waste caustic (1F washer effluent)	5.8 - 6.2	<u>155,000</u> 106,000	During stack testing, 1 & 2 boilers discharge through "A" scrubber and 2 & 3 discharge through "B" scrubber.
Acid Plant Stack AO45-107909	Converted lime rock tower (tray tower)	Caustic soda or soda ash	6.2	<u>26,000</u> 19,000	
Sulfite Recovery Blr. AO45-171127	Katzen Associates Design - 3 stage wet scrubber	Ammonium hydroxide	6.0	<u>149,000</u> 120,000	

JEFFERSON SMURFIT CORPORATION
JACKSONVILLE MILL

No. 10 Coal/Bark Boiler

Permit No. AO16-185036

Variable throat venturi scrubber followed by a Caustic SO₂ absorber section and Chevron type mist eliminator.

Scrubber Medium: Mill process water/evaporator process condensate, pH 6.4

Stack Volumetric Flow: 180,000 acfm
130,000 scfm

No. 3 Lime Kiln

Permit No. AC16-142989

Air Pol Venturi Scrubber

Scrubber Medium: Fresh water, pH 7.5

Stack Volumetric Flow: 24,600 acfm
16,400 scfm

Now shut down, ~~replaced~~ replaced by an electrostatic precipitator.

Smelt Dissolving Tank Vent

Permit No. AO16-170502

Ducon UW-4 Entrainment Scrubber

Scrubber Medium: Weak wash, pH 12.7

Stack Volumetric Flow: 36,000 acfm
24,200 scfm

PROCTER & GAMBLE CELLULOSE COMPANY
PERRY, FLORIDA

WET PLUME SOURCES

Name; Permit/ID#; flow characteristics; type; medium.

#2 Smelt Dissolving Tank; AO62-191214/31JAX62000121;
17,000 acfm & 8,000 dscfm; Ducon #22-4-0298 wet scrubber;
weak liquor @ pH >7 for PM and TRS control.

#3 Smelt Dissolving Tank; AO62-187788/31JAX62000122;
20,000 acfm & 12,000 dscfm; Ducon #22-4-0400 wet scrubber;
weak liquor @ pH >7 for PM and TRS control.

#4 Smelt Dissolving Tank; AO62-130573/31JAX62000123;
27,000 acfm & 15,000 dscfm; Ducon #20-4-0340 wet scrubber;
weak liquor @ pH >7 for PM and TRS control.

#1 Bark Boiler; AO62-126937/31JAX62000104;
100,000 acfm & 67,000 dscfm; Ducon 92R/180 wet venturi
scrubber; water @ pH 7 for PM control.

#2 Bark Boiler; AO62-126398/31JAX62000119;
250,000 acfm & 171,000 dscfm; wet venturi scrubber;
water @ pH 7 for PM control.

Note: SDT's have language in current permit around moisture
interference and VE's.

GEORGIA-PACIFIC

No. 4 Lime Kiln: AC54-192551
(PSD-FL-171)

Venturi Scrubber
Weak Wash
1,540,000 dscf/hr.

No. 4 Smell Dissolving Tanks: AC54-193841
(PSD54-171)

Venturi Scrubber
Weak Wash
1,430,000 dscf/hr.

Note: Both Lime Kiln and SDTs have permit language on moisture interference and VE

jps-gp.scr

ST. JOE FOREST PRODUCTS CO.
WET SCRUBBERS

<u>Source</u>	<u>Permit #</u>	<u>Scrubber</u>	<u>Stack Flow</u>	
			<u>ACFM</u>	<u>SCFM</u>
#1 Lime Kiln	AO23-175311	Ducon Venturi	23,000	14,000
#2 Lime Kiln	AO23-175315	" "	"	"
#3 Lime Kiln	AO23-175314	" "	"	"
#5 & 6 Smelt Tank Scrubber	AO23-164869	Ducon	23,000	18,000
#7 Smelt Tank Scrubber	AO23-164848	"	43,000	26,000

Lime Kiln Scrubbers use H₂O as scrubber medium at a pH \geq 12.5.

Lime kiln type & model:

Ducon Oriclone High Δ P Venturi Scrubber size 48/96 Type VV0,
Flooded elbow, cyclonic separation.

Smelt Tank Scrubbers Type & Model:

5 & 6 Ducon Dynamic Gas Scrubber type UW-4 Model III.

E7 - Ducon Dynamic Gas Scrubber Type VW-4 Model IV Size 126

jps-sjfp.scr

SEMINOLE

No. 1 Bark Boiler

A016-749235

Scrubber medium - water (once through hot water from pulpmill)

pH 8-9

No. 2 Bark Boiler

A016-149236

Medium - water (once through hot water from pulp mill)

pH 89

No. 1 Lime Kilns

A016-174975

No. 2 Lime Kilns

A016-174976

No. 3 Lime Kilns

A016-174977

Medium - water recirculating with hot water makeup

pH 8.5 - 9.5

No. 1 Recovery Boiler

A016-159612

No. 2 Recovery Boiler

A016-159615

No. 3 Recovery Boiler

A016-159616

Medium - water recirculating with fresh water makeup

pH 7.0 - 8.0

No. 1 Smelt Tank Vents

A016-155786

No. 2 Smelt Tank Vents

A016-155787

No. 3 Smelt Tank Vents

A016-155788

Medium - Weak wash once through; no discharge to sewer; stays in process

pH 11.0 - 12.0

No. 3 Slaker

A016-155275

Medium - hot water once through

pH 8.0 - 9.0

STONE CONTAINER CORPORATION
WET SCRUBBERS

<u>Source</u>	<u>Permit No.</u>	<u>Scrubber</u>	<u>Medium</u>	<u>pH</u>	<u>Temp</u>	<u>Stack Flow (acfm)</u>
Lime Kiln	A003-174793	Venturi	Water	-	630° R	71,751
Slaker	A003-169291	Showers	Hot Water	7	655° R	5,336
SDT 1	A003-141022	Demister	Water	7	625° R	31,100
SDT 2	A003-156517	Demister	Water	7	613° R	35,052
Bark Boiler #2	A003-169287	Venturi	Water	5.5-9.0	599° R	215,138
Bark Boiler #4	A003-169285	Venturi	Water	5.5-9.0	602° R	217,602

ATTACHMENT 8

FLORIDA PULP & PAPER ASSOCIATION
TECHNICAL & ENVIRONMENTAL COMMITTEE

VERNON ADAMS, CHAIRMAN
CLIFFORD HENRY, VICE CHAIRMAN
JOHN MILLICAN, EXECUTIVE DIRECTOR



MAILING ADDRESS:
POST OFFICE BOX 6507
TALLAHASSEE, FL 32314-6507
TELEPHONE (904) 877-0099
TELECOPIER (904) 877-0981

RECEIVED

JAN 10 1992

Division of Air
Resources Management

HAND-DELIVERY

January 10, 1992

Mr. Bruce Mitchell
Bureau of Air Regulation
Florida Department of Environmental
Regulation
2600 Blair Stone Road
Tallahassee, FL 32399

Re: Visible Emission from Wet Stacks

Dear Bruce:

I am sorry for the delay in completing the information you had requested for the wet stacks in the pulp and paper mills in Florida. The attached information from Champion's mill in Cantonment, Florida completes the information package.

We would appreciate your expedited review and making the permit amendments. Please call me if I may be of further assistance.

Thank you.

Sincerely,

John Millican
John Millican *by JMS*

JM/dg/1197

xc: David Arceneaux

VISIBLE EMISSIONS FROM WET STACKS - LISTING OF CHAMPION'S AFFECTED SOURCES

SOURCE	AIR PERMIT #	SOURCE I.D. #	SCRUBBER TYPE	MODEL	FLOW acfm	FLOW sdcfm	SCRUBBER MEDIUM	MEDIUM pH	OPACITY REQUIREMENTS
No. 3 Power Boiler	A017-146028	10PEN17004233	Venturi	Neptune Air Pol	92600	65000	Fresh water **	>5.5	Scrubber pressure drop: 3-hour average => 9.1" of water
No. 4 Power Boiler	A017-145038	10PEN17004237	Venturi	EMC Type TI model 280X	221000	147000	Fresh water **	>5.5	Scrubber pressure drop: 3-hour average => 10.0" of water
No. 1 smelt diss. tank	A017-181734	10PEN17004232	Venturi	Air Pol	23400	12100	Weak Wash	*	None
No. 2 smelt diss. tank	A017-181735	10PEN17004238	Venturi	Air Pol	19300	7300	Weak Wash	*	None
Line Kilo	A017-181738	10PEN17004228	Venturi	Air Pol, model LX12D	62500	32000	Fresh water	*	Scrubber pressure drop: 12-hour average => 26" of water
Line Calciner	A017-151541	10PEN17004236	Venturi	Borr Oliver	20800	13000	Fresh water	*	Scrubber pressure drop: 12-hour average => 24" of water
Line Slaker	A017-137615	10PEN17004246	Impingement	Ducon, model 44	5330	1450	Green liquor	>11	None

* pH is not measured, but would normally be >8.

** Caustic is added to maintain set-point pH.

ATTACHMENT 9



State of Florida
DEPARTMENT OF ENVIRONMENTAL REGULATION

For Routing To Other Than The Addressee	
To: _____	Location: _____
To: _____	Location: _____
To: _____	Location: _____
From: _____	Date: _____

Interoffice Memorandum

TO: Ed Middleswart, NWD
Andy Kutyna, NED
Ron Roberson, DCAQD

FROM: Bruce Mitchell *RBW*

DATE: January 30, 1992

SUBJ: Review and Edit of the Proposed and Attached Letter on Sources with Wet Control Devices and Subsequent Wet Plumes at Paper and Pulp Mills

Please review and edit the proposed attached letter, which has already been reviewed and edited by Clair Fancy.

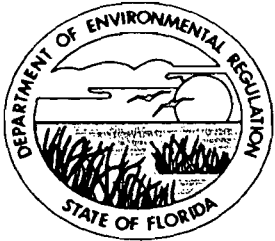
Points of clarification:

1. The letter will be addressed to each mill's representative;
2. Each mill's affected source will be identified along with the affected permit (page two: "o" "o"; affected listings are attached also-please review and note any concerns); and,
3. The "cc" listing will only identify the above referenced contact and the affected District office (i.e., NED or NWD) and Local Program office (DCAQD).

It would be appreciated if you would respond about your concerns, if any, as soon as possible. If there are any questions, please give me a call at SC/278-1344. Thanks!

BM/rbm

Attachments



Florida Department of Environmental Regulation

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

Lawton Chiles, Governor

Carol M. Browner, Secretary

February xx, 1992

CERTIFIED MAIL-RETURN RECEIPT REQUESTED

Plant Manager
Mill Name
Address
City, Florida Zip

Dear Mr. _____:

Re: Amendment: Visible Emission Standards Associated with Particulate Emitting Sources Equipped With Wet Scrubbers and Exhibiting Wet Plumes Located at Paper and Pulp Mills

The Department has reviewed letters and supplementary information (attached) submitted by representatives for the paper and pulp industry, which requested interim relief from visible emission standards on particulate emitting sources equipped with wet control systems and exhibiting wet plumes. As a precedent, this request was found to be acceptable in the STIPULATION FOR DISMISSAL OF HEARING (OGC File No. 85-0242) dated August 28, 1985 (attached), between St. Joe Paper Company (now St. Joe Forest Products Company) and the State of Florida Department of Environmental Regulation. Based on the information submitted and the stipulation, the following specific condition shall be incorporated into the air permits of the affected sources:

- o If the Department or its agent observes visible emissions, pursuant to Florida Administrative Code (F.A.C.) Rule 17-2.700(1)(d)1.b. (iii), in excess of 20% [or the applicable limit] opacity, it shall be considered good reason to believe that the applicable mass emission standard is in danger of being violated. Upon such a finding, the permittee shall be required to run a special mass emissions test in accordance with F.A.C. Rule 17-2.700(2)(b); and, such test shall be conducted within 14 days after the Department has notified the permittee, in writing, of the applicability of this permit condition.

Note: This condition shall not be applicable to sources located in nonattainment areas nor sources subject to visible emission standards imposed by the New Source Performance Standards, 40 CFR 60.

Letter
Page Two

Affected source(s) and associated air permit(s):

o	o
o	o
o	o

This letter amendment must be attached to the affected source's air permit, as referenced above, and shall become a part of the permit.

Sincerely,

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

CHF/BM/rbm

Attachments

cc: District (E. Middleswart, NWD)
(A. Kutyna, NED)
(R. Roberson, DCAQD)
G. Smallridge, Esq., DER
T. Cole, Esq., OHF&C
J. Millican, OHF&C

ATTACHMENT 10

DEPARTMENT OF REGULATORY &
ENVIRONMENTAL SERVICES

Air Quality Division



April 10, 1992

Mr. Bruce Mitchell
Department of Environmental Regulation
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Re: **Visible Emissions of Pulp and Paper Mill Wet Plume Specific Condition**

Dear Mr. Mitchell:

The Air Quality Division (AQD) has reviewed the proposed Specific Condition and find it unacceptable. AQD objections are as follows:

1. The condition as it currently reads suggests that the only reason for suspecting that the applicable mass emission standard is in danger of being violated is by visible emission observations. If the control device is not operating within the manufacturer's specifications, a visible emissions test and violation would be required before a mass emission test could be requested.
2. The proposed condition does not take into account the possibility of repeat offenses or chronic offenders. The condition actually restricts effective enforcement of permit violations.
3. The condition requires that a mass emission test be performed within fourteen (14) days of written notification. If the source is suspected of a potential violation, corrective measures may be enacted within the allowed time period and the test becomes a worthless exercise. The fixed time period in effect makes the mass emission test unacceptable.

Please contact me if there are any questions at (904) 630-3666 or Sun Com 986-3666.

Very truly yours,

Ronald L. Roberson
Associate Engineer

RLR/ema

cc: AQD File, General Correspondence

disc/#7/RLR/Mitchell



421 West Church Street - Suite 412
Jacksonville, Florida 32202-4111

Area Code 904/630-3666

BEST AVAILABLE COPY

DEPARTMENT OF REGULATORY &
ENVIRONMENTAL SERVICES
OFFICE OF THE DIRECTOR

(904) 630-3666

FAX No. 630-3638



TELECOPY

DATE: 4-9-92

TO: BRUCE MITCHELL

ORGANIZATION: DER - BAR

TELECOPIER PHONE NUMBER: (904) 922-6979

FROM: RON ROBERSON

NO. OF PAGES TO FOLLOW: 1

RECEIVED

APR 13 1992

Division of Air
Resources Management

DEPARTMENT OF REGULATORY &
ENVIRONMENTAL SERVICES
Air Quality Division



April 10, 1992

Mr. Bruce Mitchell
Department of Environmental Regulation
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

**Re: Visible Emissions of Pulp and Paper Mill Wet Plume Specific
Condition**

Dear Mr. Mitchell:

The Air Quality Division (AQD) has reviewed the proposed Specific Condition and find it unacceptable. AQD objections are as follows:

1. The condition as it currently reads suggests that the only reason for suspecting that the applicable mass emission standard is in danger of being violated is by visible emission observations. If the control device is not operating within the manufacturer's specifications, a visible emissions test and violation would be required before a mass emission test could be requested.
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Please contact me if there are any questions at (904) 630-3666 or Sun Com 986-3666.

Very truly yours,

Ronald L. Roberson
Associate Engineer

RLR/ema

cc: AQD File, General Correspondence

disc/#7/RLR/Mitchell



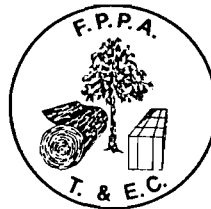
421 West Church Street - Suite 412
Jacksonville, Florida 32202-4111

Area Code 904/630-3666

ATTACHMENT 11

FLORIDA PULP & PAPER ASSOCIATION
TECHNICAL & ENVIRONMENTAL COMMITTEE

VERNON ADAMS, CHAIRMAN
CLIFFORD HENRY, VICE CHAIRMAN
JOHN MILLICAN, EXECUTIVE DIRECTOR



MAILING ADDRESS:
POST OFFICE BOX 6507
TALLAHASSEE, FL 32314-6507
TELEPHONE (904) 877-0099
TELECOPIER (904) 877-0981

May 4, 1992

RECEIVED

MAY 05 1992

Division of Air
Resources Management

Mr. R. Bruce Mitchell
Department of Environmental
Regulation
Room 338
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

RE: Draft Letter on Pulp and Paper
Industry Visible Emission Standards

Dear Mr. Mitchell:

The language in this draft (copy attached) has been changed from the language which previously has been appended to or included in some industry permits. However, it appears that both the intent to apply and application have not significantly changed except for the "note" which is an addition.

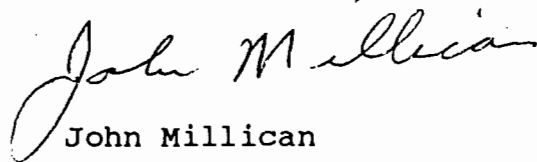
Since there are no visible emission limits in new source performance standards, 40 CFR 60 pertaining to Pulp and Paper industry wet source particulate emissions and there is no non-attainment area classification applicable to Pulp and Paper wet source particulate emissions, the note appears not to affect any currently operating wet source particulate emissions in the pulp and paper industry. Also, EPA deleted opacity limits from NSPS wet sources because "...EPA believes that in most cases an opacity standard would be ineffective." Therefore, we request the note be deleted and the letter mailed without including the note.

This matter has dragged on since February, 1985, when the Environmental Regulation Commission granted the industry's petition for rulemaking. We believe it would be in the best interest of all parties if the issue could be resolved as it has been previously in some affected industry permits.

Mr. R. Bruce Mitchell
May 4, 1992
Page 2

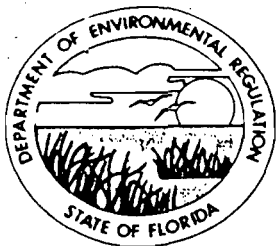
Please call me at 877-0099 to discuss if there is continued reluctance to resolve this issue as requested.

Sincerely,


John Millican

JM/kp

Attachment



Florida Department of Environmental Regulation

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

Lawton Chiles, Governor

Carol M. Browner, Secretary

DRAFT

February xx, 1992

CERTIFIED MAIL-RETURN RECEIPT REQUESTED

Plant Manager
Mill Name
Address
City, Florida Zip

Dear Mr. _____:

Re: Amendment: Visible Emission Standards Associated with
Particulate Emitting Sources Equipped With Wet
Scrubbers and Exhibiting Wet Plumes Located at
Paper and Pulp Mills

The Department has reviewed letters and supplementary information (attached) submitted by representatives for the paper and pulp industry, which requested interim relief from visible emission standards on particulate emitting sources equipped with wet control systems and exhibiting wet plumes. As a precedent, this request was found to be acceptable in the STIPULATION FOR DISMISSAL OF HEARING (OGC File No. 85-0242) dated August 28, 1985 (attached), between St. Joe Paper Company (now St. Joe Forest Products Company) and the State of Florida Department of Environmental Regulation. Based on the information submitted and the stipulation, the following specific condition shall be incorporated into the air permits of the affected sources:

- o If the Department or its agent observes visible emissions, pursuant to Florida Administrative Code (F.A.C.) Rule 17-2.700(1)(d)1.b. (iii), in excess of 20% [or the applicable limit] opacity, it shall be considered good reason to believe that the applicable mass emission standard is in danger of being violated. Upon such a finding, the permittee shall be required to run a special mass emissions test in accordance with F.A.C. Rule 17-2.700(2)(b); and, such test shall be conducted within 14 days after the Department has notified the permittee, in writing, of the applicability of this permit condition.

Note: This condition shall not be applicable to sources located in nonattainment areas nor sources subject to visible emission standards imposed by the New Source Performance Standards, 40 CFR 60.

Letter
Page Two

Affected source(s) and associated air permit(s):

o	o
o	o
o	o

This letter amendment must be attached to the affected source's air permit, as referenced above, and shall become a part of the permit.

Sincerely,

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

CHF/BM/rbm

Attachments

cc: District (E. Middleswart, NWD)
(A. Kutyna, NED)
(R. Roberson, DCAQD)
G. Smallridge, Esq., DER
T. Cole, Esq., OHF&C
J. Millican, OHF&C



Florida Department of Environmental Regulation

Northeast District • Suite B200, 7825 Baymeadows Way • Jacksonville, Florida 32256-7577

Lawton Chiles, Governor

Carol M. Browner, Secretary

PERMITTEE:

Georgia-Pacific Corporation
Post Office Box 919
Palatka, Florida 32178-0919

I.D. Number: 31JAX54000517
Permit/Certification Number: A054-198269
Date of Issue: September 5, 1991
Revised: 11-19-91
Expiration Date: May 31, 1992
County: Putnam
Latitude/Longitude: 29°40'51"N; 81°40'54"W
Project: No. 4 Lime Kiln
UTM: E-(17)434.0; N-3283.4

This permit is issued under the provisions of Chapter(s) 403, Florida Statutes, and Florida Administrative Code Rule(s) 17-2 and 17-4. The above named permittee is hereby authorized 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 operation of No. 4 Lime Kiln with the particulate matter emissions controlled by a Zurn variable throat venturi scrubber.

Located north of S.R. 216, west of U.S. 17, north of Palatka, Putnam County, Florida.

In accordance with:

Permit application dated 09-02-86
Renewal application received 06-17-91
Revision request received 11-01-91

PERMITTEE:
 Georgia-Pacific Corporation
 Post Office Box 919
 Palatka, Florida 32178-0919

I.D. Number: 31JAX54000517
 Permit/Certification Number: A054-198269
 Date of Issue: September 5, 1991
 Revised:
 Expiration Date: May 31, 1992

SPECIFIC CONDITIONS:

1. The maximum input rate is SEE BELOW and shall not be exceeded without prior approval.

<u>Rate</u>	<u>Material</u>
62,500 lbs/hr	CaCO ₃
3,889 lbs/hr	inerts
15,625 lbs/hr	Recycle CaCO ₃
<u>972 lbs/hr</u>	Recycle inerts
82,986 lbs/hr	Total CaCO ₃ and inerts
870 ¹ gals/hr	#6 fuel oil ²

¹See SC #8.

²Sulfur content shall not exceed 2.5% by wt.

2. Testing of emissions must be performed at an operating rate of at least 90% of the rate in Specific Condition (SC) No. 1, or SC No. 3 will become effective.
3. The operating rate shall not exceed 110% of the operating rate during the most recent test except for testing purposes, but shall not exceed that rate in SC No. 1. After testing at an operating rate greater than 110% of the last test operating rate, the operating rate shall not exceed 110% of the last (submitted) test operating rate until the test report at the higher rate has been reviewed and accepted by the Department.
4. The permitted maximum allowable emission rate for each pollutant is as follows:

<u>Pollutant</u>	<u>FAC Rule</u>	<u>lbs/hr</u>	<u>TPY</u>
PM ¹	17-2.610(1)	31.42 ^{2,3}	137.62 ^{4,3}
SO ₂ ⁵	----	11.53 ^{6,3}	50.37 ^{4,3}
TRS ⁷	17-2.600(4)(c)5.a.	2.97 ^{8,3}	13.01 ^{4,3}

¹PM - particulate matter

²Basis: P=41.49 TPH

³See SC #8

⁴Hours of operation are limited to 24 H/D, 7 D/W, 52 W/Y (8760 H/Y) and shall be recorded.

⁵SO₂ - Sulfur dioxide

⁶Basis: 0.2 lb. per TADP; 57.67 TADP/hr

⁷TRS - Total Reduced Sulfur

⁸Basis: 20 ppm, vol., dry, standard condition, 10% O₂ corr., as 12-hr avg, 55800 ACFM, 170°F, 40% H₂O(v), 10% O₂

PERMITTEE:
Georgia-Pacific Corporation
Post Office Box 919
Palatka, Florida 32178-0919

I.D. Number: 31JAX54000517
Permit/Certification Number: A054-198269
Date of Issue: September 5, 1991
Revised:
Expiration Date: May 31, 1992

SPECIFIC CONDITIONS:

5. Test the emission for the following pollutant(s) at the interval(s) indicated, notify the Department 14 days prior to testing, and submit the test report documentation to the Department within 45 days after completion of the testing:

<u>Pollutant</u>	<u>Interval</u>	<u>Test Method</u>
(See SC #8)	12 months from 01-15-91*	See SC #8)

*This date used because CP# AC54-192551 testing is due on 01-15-92 so that the submittals and review process may be completed by the expiration date of 05-31-92.

Tests and test reports shall comply with the requirements of Florida Administrative Code Rule 17-2.700(6) and (7), respectively.

6. A TRS continuous monitoring system (CMS) report shall be postmarked by the 30th day following the end of each calendar quarter and shall include the information required by FAC Rules 17-2.710(3) & (4).
7. Unconfined particulate matter emissions shall be controlled by application of dust suppressants, unless an alternative method is requested and approved, to all areas necessary to reasonable control such emissions per Florida Administrative Code Rule 17-2.610(3).
8. The modification permitted by CP #AC54-192551 (rates increase) shall be completed by 12-01-91. The tests and methods required are in the CP. The tests are due by 01-15-92. The certificate of completion of construction and the tests reports are due by 02-28-92. The above dates are based on the expiration date of 05-31-92.
9. In each test report, submit the maximum input/production rate at which this source was operated since the most recent test.
10. Submit an annual operation report for this source on the form supplied by the Department for each calendar year on or before March 1.
11. Any revision(s) to a permit (and application) must be submitted and approved prior to implementing.

PERMITTEE:
Georgia-Pacific Corporation
Post Office Box 919
Palatka, Florida 32178-0919

I.D. Number: 31JAX54000517
Permit/Certification Number: A054-198269
Date of Issue: September 5, 1991
Revised:
Expiration Date: May 31, 1992

SPECIFIC CONDITIONS:

12. The ID No. for this source is to be used on all correspondence.
13. Forms for the renewal will be sent 5 months prior to 05-31-92 and the completed forms with test results are due 90 days prior to 05-31-92.

Executed in Jacksonville, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION



Ernest E. Frey
Director of District Management

FILING AND ACKNOWLEDGEMENT
FILED, on this date, pursuant to S120.52, Florida
Statutes, with the designated Department Clerk,
receipt of which is hereby acknowledged.

Betty Adams Clerk 11-19-91 Date



Florida Department of Environmental Regulation

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

Lawton Chiles, Governor

Carol M. Browner, Secretary

PERMITTEE: Permit Numbers: AC 54-192551
PSD-FL-171
Georgia-Pacific Corporation Expiration Date: May 31, 1992
P. O. Box 919 County: Putnam
Palatka, Florida 32078-0919 Latitude/Longitude: 29°41'00"N
81°40'45"W
Project: No. 4 Lime Kiln

This permit is issued under the provisions of Chapter 403, Florida Statutes, Florida Administrative Code (F.A.C.) Chapters 17-2 and 17-4, and 40 CFR (July 1, 1990 version). 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 modification of the No. 4 Lime Kiln to allow an increase in the total process input and product rates and the potential pollutant emissions. The maximum total process input rate is 82,986 lbs/hr CaCO₃ and inerts; and, the maximum product rate is 38,889 lbs/hr (dry) @ 90% CaO. A Zurn wet scrubber system is used to control PM/PM₁₀ emissions and visible emissions and has a minimum design efficiency of 99.0% for the control of particulate matter of submicron size. The project will occur at the permittee's existing facility/mill located north of S.R. 216 and west of U.S. 17. The UTM coordinates are Zone 17, 434.0 km East and 3283.4 km North.

The Standard Industrial Codes are: Industry No. 2611-Pulp Mills
The Standard Classification Codes are: Pulp & Paper Industry
Major Group 26: Sulfate (Kraft) Pulping
o Lime Kiln 3-07-001-06 tons ADUP (air dried unbleached pulp)

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

Attachments are listed below:

1. Application to Modify Air Pollution Sources, DER Form 17-1.202(1), received February 13, 1991.
2. Mr. Vernon L. Adam's letter with attachments received March 8, 1991.
3. Ms. Jewell A. Harper's letter received March 12, 1991, via FAX.
4. Mr. Andrew Kutyna's Interoffice Memorandum received March 13, 1991, via FAX.
5. Mr. C. H. Fancy's letter dated March 15, 1991.
6. Mr. Vernon L. Adam's letter with attachments received March 18, 1991.

PERMITTEE:

Permit Number: AC 54-192551

PSD-FL-171

Georgia-Pacific Corporation

Expiration Date: May 31, 1992

GENERAL CONDITIONS:

c. Records of monitoring information shall include:

- the date, exact place, and time of sampling or measurements;
- the person responsible for performing the sampling or measurements;
- the dates analyses were performed;
- the person responsible for performing the analyses;
- the analytical techniques or methods used; and,
- the results of such analyses.

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

SPECIFIC CONDITIONS:

1. The No. 4 Lime Kiln (LK) may operate continuously (i.e., 8760 hrs/year).

2. The No. 4 LK's maximum total process input rate/capacity is 82,986 lbs/hr CaCO₃ and inerts; and, the maximum product rate is 38,889 lbs/hr (dry) @ 90% CaO.

3. For the No. 4 LK and pursuant to BACT, the maximum allowable pollutant emission limiting standards/rates are:

*PM/PM₁₀ 0.081 gr/dscf, corrected to 10% O₂
(26.0 lbs/hr; 113.9 TPY)
99.0% efficiency

*NOx 290 ppmvd, corrected to 10% O₂
(50.3 lbs/hr; 223.3)
kiln design and operation

*CO 69 ppmvd, corrected to 10% O₂
(7.3 lbs/hr; 32.0)
kiln design and operation

*VOC 185 ppmvd, corrected to 10% O₂
(17.2 lbs/hr; 75.3 TPY)
kiln design and operation

*VE less than 20% opacity
(deferred due to moisture interference)

PERMITTEE:

Permit Number: AC 54-192551

PSD-FL-171

Georgia-Pacific Corporation

Expiration Date: May 31, 1992

SPECIFIC CONDITIONS:

4. Total reduced sulfur (TRS) emissions as hydrogen sulfide (H₂S) shall not exceed 20 ppmvd, corrected to 10% O₂ (4.0 lbs/hr; 17.5 TPY).
5. Sulfur dioxide (SO₂) emissions shall not exceed 10.9 lbs/hr (47.7 TPY; based on AP-42 factor of 0.3 lb/ton ADUP, 72.9 TPH ADUP, 638,604 TPY ADUP, and 50% efficiency on the control of SO₂).
6. Objectionable odors shall not be allowed off plant property in accordance with F.A.C. Rule 17-2.620(2).
7. Due to moisture interference, the visible emission limiting standard of "less than 20% opacity", in accordance with BACT, is not applicable. However, if the Department observes visible emissions of 20% opacity pursuant to F.A.C. Rule 17-2.700(6)(b)9, DER Method 9, it shall be considered good reason to believe that the applicable PM/PM₁₀ mass emission standard is in danger of being violated and the permittee shall be required to conduct a special PM/PM₁₀ mass emissions compliance test in accordance with F.A.C. Rule 17-2.700(2)(b). Such a test shall be conducted within 14 days after the Department has notified the permittee in writing of the applicability of this permit condition.
8.
 - a. The initial and annual compliance tests for PM/PM₁₀ shall be conducted using EPA Method 5, Determination of Particulate Emissions from Stationary Sources, which includes EPA Methods 1-4, in accordance with F.A.C. Rule 17-2.700 and 40 CFR 60, Appendix A;
 - b. The initial and annual compliance tests for TRS shall be conducted using EPA Method 16 or 16A, Determination of TRS Emissions from Stationary Sources, in accordance with F.A.C. Rule 17-2.700 and 40 CFR 60, Appendix A;
 - c. The initial and annual compliance tests for H₂SO₄ and SO₂ shall be conducted using EPA Method 8, Determination of Sulfuric Acid Mist and Sulfur Dioxide Emissions from Stationary Sources, in accordance with F.A.C. Rule 17-2.700 and 40 CFR 60, Appendix A;
 - d. The initial and annual compliance tests for NO_x shall be conducted using EPA Method 7E, Determination of Nitrogen Oxide Emissions from Stationary Sources, in accordance with F.A.C. Rule 17-2.700 and 40 CFR 60, Appendix A;

PERMITTEE:

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Georgia-Pacific Corporation

Expiration Date: May 31, 1992

SPECIFIC CONDITIONS:

- e. The initial and annual compliance tests for CO shall be conducted using EPA Method 10, Determination of Carbon Monoxide Emissions from Stationary Sources, in accordance with F.A.C. Rule 17-2.700 and 40 CFR 60, Appendix A; and,
 - f. The initial and annual compliance tests for VOC shall be conducted using EPA Method 25, Determination of Total Gaseous Non-Methane Organic Emissions from Stationary Sources, in accordance with F.A.C. Rule 17-2.700 and 40 CFR 60, Appendix A.
9. For the No. 4 LK, the permittee shall comply with all of the applicable provisions of F.A.C. Chapters 17-2 and 17-4 and 40 CFR (July, 1990 version).
10. Pursuant to F.A.C. Rule 17-2.600(4)(c)5.b., the No. 4 LK is subject to the applicable provisions of F.A.C. Rule 17-2.710, Continuous Monitoring Requirements, which includes F.A.C. Rule 17-2.710(4), Quarterly Reporting Requirements.
11. For the No. 4 LK, the permittee shall comply with all of the applicable provisions of F.A.C. Rules 17-2.240: Circumvention; 17-2.250: Excess Emissions; and, 17-4.130: Plant Operation-Problems.
12. The Department's Northeast District office shall be notified in writing 15 days prior to source testing pursuant to F.A.C. Rule 17-2.700(2). Written reports of the tests shall be submitted to the Department's Northeast District office within 45 days of completion of the last test run pursuant to F.A.C. Rule 17-2.700(7).
13. The permittee, for good cause, may request that this construction permit be extended. Such a request shall be submitted to the Department's Bureau of Air Regulation prior to 60 days before the expiration date of the permit (F.A.C. Rule 17-4.090).
14. An application for an operation permit must be submitted to the Department's Northeast District office at least 90 days prior to the expiration date of this construction permit. To properly apply for an operation permit, the applicant shall submit the appropriate application form, fee, certification that construction was completed and noting any deviations from the conditions in the construction permit, and compliance test reports as required by this permit (F.A.C. Rules 17-4.055 and 17-4.220).

PERMITTEE:

Georgia-Pacific Corporation

Permit Number: AC 54-192551
PSD-FL-171

Expiration Date: May 31, 1992

SPECIFIC CONDITIONS:

Issued this 7 day
of June, 1991

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION

Carol M. Browner
Carol M. Browner, Secretary



Florida Department of Environmental Regulation

Northeast District • 3426 Bills Road • Jacksonville, Florida 32207 • 904-798-4200

Bob Martinez, Governor

Dale Twachtmann, Secretary

John Shearer, Assistant Secretary
Ernest Frey, Deputy Assistant Secretary

PERMITTEE:

Georgia-Pacific Corporation
Post Office Box 919
Palatka, Florida 32078-0919

I.D. Number: 31JAX54000518&19
Permit/Cert Number: A054-131787
Date of Issue: May 14, 1987
Amended: March 30, 1990
Expiration Date: June 10, 1992
County: Putnam
Latitude/Longitude: 29°41'00"N; 81°40'45"W
Project: No. 4 Recovery Boiler
No. 4 Smelt Dissolving
Tanks
UTM: E-(17)434,0;N-3283.4

This permit is issued under the provisions of Chapter(s) 403, Florida Statutes, and Florida Administrative Code Rule(s) 17-2 and 17-4. The above named permittee is hereby authorized 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 operation of:

No. 4 Recovery Boiler (RB) which is low odor design with an electrostatic precipitator for particulate matter emissions control; and

No. 4 Smelt Dissolving Tanks (SDTs); two tanks, each vented through a scrubber to control particulate matter emissions.

Located north of S.R. 216, west of U.S. 17, north of Palatka, Putnam County, Florida.

In accordance with:

operation permit application dated 3/29/82
TRS addendum application dated 2/7/86
TRS additional information received 7/14/86
TRS additional information received 8/7/86
permit revision request received 9/2/86
permit revision by Order by Secretary Tschinkel dated 9/18/86
permit revision request received 10/29/86
permit renewal application dated 3/13/87
additional information received 4/27/87
additional information received 5/11/87
surrogate parameter test report received 2/13/89

PERMITTEE:
 Georgia-Pacific Corporation
 Post Office Box 919
 Palatka, Florida 32078-0919

I.D. Number: 31JAX54000518&19
 Permit/Cert: A054-131787 Amended 03-30-90
 Date of Issue: May 14, 1987
 Expiration Date: June 10, 1992

SPECIFIC CONDITIONS:

1. The maximum input rate/production rate (operating rate) is 189,000 lbs BLS/hr to RB and 77,280 lbs smelt/hr to SDT and shall be exceeded without prior approval.
2. Testing of emissions must be performed at an operating rate of at least 90% of the rate in Specific Condition (SC) No. 1, or SC No. 3 will become effective.
3. The operating rate shall not exceed 110% of the operating rate during the most recent test except for testing purposes, but shall not exceed the rate in SC No. 1. After testing at an operating rate greater than 110% of the last test operating rate, the operating rate shall not exceed 110% of the last (submitted) test operating rate until the test report at the higher rate has been reviewed and accepted by the Department.
4. The permitted maximum allowable emission rate for each pollutant is as follows:

<u>Pollutant</u>		<u>Emission Rate</u>	
		<u>lbs/hr</u>	<u>TPY</u>
From RB:			
Particulate Matter (PM)	17-2.600(4)(b)1., FAC	189.00 ¹	825.55
Total Reduced Sulfur (TRS)	17-2.600(4)(c)3,a(i) FAC	21.55 ²	94.12
Sulfur Dioxide (SO ₂)	---	314.97 ³	1375.79
Visible Emissions (VE)	17-2.600(4)(a)1., FAC	45% opacity ⁴	
VE	17-2.600(4)(a)1.a., FAC	60% opacity ⁵	
From SDT:			
PM	17-2.610(1)(b), FAC	31.06 ⁶	135.67
SO ₂	---	6.13 ⁷	26.78
TRS	17-2.600(4)(c)4.a., FAC	3.02 ⁸	13.21
VE	SEE SPECIFIC CONDITION #9	---	

- ¹Basis: 3 lbs/3000 lbs BLS; 189,000 lbs BLS/hr
²Basis: 17.5 ppm (vol), dry, standard conditions, 8% O₂ corr. as 12 hr. avg; 7.4% O₂; 25% H₂O(v) 420°F; 494141 ACFM
³Basis: 1981 model rate; ratio 189000/157260
⁴Basis: 6 min. avg.
⁵Basis: up to 60% for one 6-min. period per hr.
⁶Basis: P = 38.64 TPH
⁷Basis: 1981 model rate; ratio 77280/66049
⁸Basis: 0.0480 lb as H₂S per 3000 lbs BLS; 189000 lbs BLS per hr

5. Test the emission for the following pollutant(s) at the interval(s) indicated, notify the Department 14 days prior to testing, and submit the test report documentation to the Department within 45 days after completion of the testing:

PERMITTEE:
 Georgia-Pacific Corporation
 Post Office Box 919
 Palatka, Florida 32078-0919

I.D. Number: 31JAX54000518&19
 Permit/Cert: A054-131787 Amended 03-30-90
 Date of Issue: May 14, 1987
 Expiration Date: June 10, 1992

<u>Pollutant</u>	<u>Interval from March 15, 1987</u>	<u>Test Method¹</u>
From RB:		
PM	12 months	EPA 5
VE	12 months	DER 9
TRS	See SC #7	---
From SDT:		
PM	12 months	DER 5
TRS	-----2,3	EPA 16, 16A or B
VE	See SC #9	---

¹From Table 700-1

²Surrogate parameter and reporting - See SC #8

³Per 17-2.700(2)(a)3., shall test by 04-30-92

Tests and test reports shall comply with the requirements of Florida Administrative Code Rule 17-2.700(6) and (7), respectively.

6. In each test report, submit the maximum input/production rate at which this source was operated since the most recent test.
7. Recovery Boiler TRS continuous monitoring system (CMS) report shall be postmarked by the 30th day following the end of each calendar quarter and shall include the information required by Florida Administrative Code Rule 17-2.710(4).
8. SDT continuous monitoring requirement is met by establishing the surrogate parameter of 119 gpm, minimum 12 hr. avg., of weak wash liquor flow rate to the scrubber per FAC Rule 17-2.710(3)(d). The surrogate parameter flow rate shall be monitored continuously and reported as required by FAC Rule 17-2.710(4).
9. Due to moisture interference, the visible emission limiting standard pursuant to FAC Rule 17-2.610(2) is not applicable and is deferred to FAC Rule 17-2.600(4)(a). However, if the Department observes visible emissions in excess of 20% opacity pursuant to FAC Rule 17-2.700(6)(b)9, it shall be considered good reason to believe that the applicable mass emission standard is in danger of being violated. The permittee shall be required to run a special compliance test in accordance with FAC Rule 17-2.700(2)(b). Such test shall be conducted within 14 days after the Department has notified the permittee of the applicability of this permit condition.
10. Submit an annual operation report for this source on the form supplied by the Department for each calendar year on or before March 1.
11. Any revision(s) to a permit (and application) must be submitted and approved prior to implementing.
12. Forms for the renewal will be sent 5 months prior to June 10, 1992 and the completed forms with test results are due 90 days prior to June 10, 1992.