Florida Department of Environmental Protection

Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Rick Scott
Governor

Jennifer Carroll
Lt. Governor

Herschel T. Vinyard Jr.
Secretary

PERMITTEE

Georgia-Pacific Consumer Operations, LLC
Post Office Box 919
Palatka, FL 32178-0919

Authorized Representative:
Gary L. Frost, Vice President Operations

Air Permit No. 1070005-070-AC
Permit Expires: January 1, 2014
Minor Air Construction Permit
Palatka Mill
No. 4 Combination Boiler
Preheater Tube Replacement

PROJECT

This is the final air construction permit, which revises Permit No. 1070005-066-AC for the replacement of approximately 1,400 tubes in the air preheater section of the No. 4 Combination Boiler. The proposed work will be conducted at the existing Palatka Mill, which is a Kraft pulp and paper mill categorized under Standard Industrial Classification No. 2611. The existing facility is located in Putnam County at 215 County Road 216 in Palatka, Florida. The UTM coordinates are Zone 17, 434.00 kilometer (km) East and 3,283.4 km North.

This final permit is organized into the following sections: Section 1 (General Information) and Section 2 (Permit Revisions).

STATEMENT OF BASIS

This air pollution construction permit is issued under the provisions of: Chapter 403 of the Florida Statutes (F.S.) and Chapters 62-4, 62-204, 62-210, 62-212, 62-296 and 62-297 of the Florida Administrative Code (F.A.C.). The permittee is authorized to conduct the proposed work in accordance with the conditions of this permit. This project is subject to the general preconstruction review requirements in Rule 62-212.300, F.A.C. and is not subject to the preconstruction review requirements for major stationary sources in Rule 62-212.400, F.A.C. for the Prevention of Significant Deterioration (PSD) of Air Quality.

Upon issuance of this final permit, any party to this 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 30 days after this order is filed with the clerk of the Department.

Executed in Tallahassee, Florida
Electronic Signature

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this Final Air Permit package (including the Final Determination and Final Permit Revision) was sent by electronic mail, or a link to these documents made available electronically on a publicly accessible server, with received receipt requested before the close of business on the date indicated below to the following persons.

Mr. Gary Frost, Georgia-Pacific Consumer Operations LLC (gary.frost@gapac.com)
Mr. Ron Reynolds, Georgia-Pacific Consumer Operations LLC (ron.reynolds@gapac.com)
Ms. Rita Felton-Smith, DEP Northeast District: (rita.felton-smith@dep.state.fl.us)
Mr. Khalid AlNahdy, DEP Northeast District: (khalid.alnahdy@dep.state.fl.us)
Ms. Heather Ceron, US EPA Region 4 (ceron.heather@epa.gov)
Ms. Barbara Friday, DEP OPC (barbara.friday@dep.state.fl.us)
Ms. Lynn Scearce, DEP OPC Reading File (lynn.scearce@dep.state.fl.us)

Clerk Stamp

FILING AND ACKNOWLEDGMENT FILED, on this date, pursuant to Section 120.52(7), Florida Statutes, with the designated agency clerk, receipt of which is hereby acknowledged.
Electronic Signature

FACILITY DESCRIPTION

The existing facility consists of the following emissions units.

Facility ID No. 1070005	
ID No.	**Emission Unit Description**
015	No. 5 Power Boiler
016	No. 4 Combination Boiler
017	No. 4 Lime Kiln
018	No. 4 Recovery Boiler
019	No. 4 Smelt Dissolving Tanks (2)
031	Tall Oil Plant
035	ClO_2 Plant and Methanol Storage Tank
036	ECF No. 3 Bleach Plant
037	Thermal Oxidizer
039	Bark Hog
044	No. 7 Package Boiler
045	Wide-web Flexographic Printers
046	Condensate Stripper System
047	Brown Stock Washing System- Lines 3,5,6,&7
048	Oxygen Delignification System
050	Converting Department

FACILITY REGULATORY CLASSIFICATION

- The facility is a major source of hazardous air pollutants (HAP).
- The facility does not operate units subject to the acid rain provisions of the Clean Air Act (CAA).
- The facility is a Title V major source of air pollution in accordance with Chapter 213, F.A.C.
- The facility is a major stationary source in accordance with Rule 62-212.400, F.A.C. for the Prevention of Significant Deterioration (PSD) of Air Quality.

PROPOSED PROJECT

This permit will revise Permit No. 1070005-066-AC for the No. 4 Combination Boiler (EU 016). The previously issued Permit No. 1070005-066-AC authorized the applicant to perform the following modifications: replace the fuel oil burners with natural gas burners; upgrade of the existing mechanical dust collection system; and replace 28 continuous tube sections in the No. 4 combination boiler superheater section.

The applicant is proposing to replace approximately 1,400 air preheater tubes out of a total of 2,320 tubes in the No. 4 Combination Boiler. Approximately 400 tubes require prompt replacement due to corrosion or ash buildup. Approximately 1,000 tubes will be replaced to minimize future failures and plugging.

SECTION 2. PERMIT REVISIONS

The following permit conditions are revised as indicated. ~~Strikethrough~~ is used to denote the deletion of text. Double-underlines are used to denote the addition of text.

Permit Being Modified: Permit No. 1070005-066-AC

Affected Emissions Unit: EU 016

Subsection 3A, Specific Condition 2: This condition is revised as follows.

2. Modifications : The permittee shall make the following modifications and other related work to the No. 4 Combination Boiler:

   a. Replace the three existing No. 6 residual oil burners with natural gas burners. Natural gas shall replace No. 6 residual fuel oil as the supplemental fuel supply for No. 4 Combination Boiler. Fuel oil will no longer be permitted after the burner replacement is complete.

   b. Upgrade the existing mechanical dust collection system. The No. 3 tertiary collector shall be upgraded to become the primary dust collector prior to the electrostatic precipitator.

   c. Replace the existing steam turbine-driven on the induced draft (ID) fan for the No. 4 combination boiler with an electric motor ID fan.

   d. Partially replace 28 continuous tube sections in the boiler's superheater section.

   e. Replace approximately 1,400 tubes in the boiler air preheater section.