



**FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION**

NORTHEAST DISTRICT
8800 BAYMEADOWS WAY WEST, SUITE 100
JACKSONVILLE, FLORIDA 32256

RICK SCOTT
GOVERNOR

CARLOS LOPEZ-CANTERA
LT. GOVERNOR

HERSCHEL T. VINYARD JR.
SECRETARY

PERMITTEE

Georgia-Pacific LLC
Georgia-Pacific Wood & Fiber Procurement
Post Office Box 1458
Palatka, FL 32178

Air Permit No. 1230059-003-AC
Issuance Date: August 01, 2014
Expiration Date: November 30, 2014
Foley Chip Mill

Authorized Representative:

Mr. Ralph T. Sevearance, Chip Mill Group Manager

PROJECT AND LOCATION

This construction permit modifies construction Permit No. 1230059-002-AC to allow the use of a portable gasoline/diesel fuel powered generator to provide power to the facility weigh stations and mill crane during periods when electrical power (which is the only source of power to the mill), is temporarily interrupted.

Construction permit No. 1230059-002-AC authorized the restart of the hardwood chip mill owned by Buckeye Florida, LP. Georgia-Pacific, LLC acquired Buckeye Florida, LP when it acquired all of Buckeye Technologies, Inc. in an August 23, 2013 merger.

The chip mill consists of a log yard, sawing, and debarking operations, chipping operations, and chip and bark handling. The proposed work will be conducted at the Foley Chip Mill, which is categorized under Standard Industrial Classification No. 2421-Sawmills and Planing Mills. The facility is located in Taylor County at 3979 Stone Container Road, Perry, Florida. The UTM coordinates are Zone 17: 256.4 km East; 3330.7 km North.

This final permit is organized by the following sections.

Section 1. General Information

Section 2. Administrative Requirements

Section 3. Emissions Unit Specific Conditions

Section 4. Appendices

Because of the technical nature of the project, the permit contains numerous acronyms and abbreviations, which are defined in Appendix A of Section 4 of this permit.

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 Jacksonville, Florida



Richard S. Rachal III, P.G.
Program Administrator
Waste and Air Resource Management

August 01, 2014

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) 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 August 01, 2014, to the persons listed below.

Mr. Ralph T. Sevearance, Georgia-Pacific Wood & Fiber Procurement (rtsevear@gapac.com)
Mr. David A. Buff, P.E. (DBuff@golder.com)

Clerk Stamp

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



(Clerk)

August 01, 2014

(Date)

SECTION 1. GENERAL INFORMATION

FACILITY AND PROJECT DESCRIPTION

Facility

The Foley Chip Mill consists of a log yard, sawing, and debarking operations, chipping operations, and chip and bark handling. All energy consuming equipment at the facility are operated exclusively by electrical power. Upon completion of this project the facility will be allowed the use of a portable gasoline /diesel fuel powered generator only during periods when electrical power supplied to the mill is temporarily interrupted. The facility estimates such interruptions to result in the generator being operated for no more than 504 hours per year in a typical year.

The Foley Chip Mill will receive whole, hardwood logs and will process them into wood chips and hogged bark. Logging trucks will deliver whole logs to the facility where they will be placed into storage using a clamshell crane. When they are ready to be processed, the whole logs will be loaded onto the log conveyor where they will be cut to the appropriate length by a sizing saw. The sized logs will be conveyed to the debarker where the bark will be removed from the logs. The debarked logs will be conveyed on the chipper infeed conveyor to the chipping saw, where the logs will be reduced into wood chips suitable for use in a pulp mill. The chip outfeed conveyor will load the chips onto railcars, or when the rail operation is shutdown, onto transport trucks, for offsite distribution. Bark from the debarker will be conveyed to the hogger and then conveyed to a truck loadout station for shipment by truck.

The maximum annual raw log throughput rate will be 1,314,000 tons per year (TPY), based on the debarker design of 150 tons per hour (TPH) and operation for 8,760 hours per year. The maximum annual bark production rate will be 183,960 TPY, based on 14 percent of a log being bark. The maximum annual chip production will be 1,130,040 TPY, based on the chipper design of 129 TPH, the annual log consumption of 1,314,000 TPY, and based on 86 percent of a log being wood. The bark hogger has a design capacity of 21 TPH. The facility is expected to operate continuously, 8,760 hrs/yr.

The facility intends to send the bark generated by the debarking operations to the Buckeye Foley Pulp Mill, although the bark could go to other users. All of the wood chips generated by the chip mill operation will be sent to customers other than the Buckeye Foley Pulp Mill, as the Foley Chip Mill will process only hardwoods, and the Buckeye Foley Pulp Mill only uses softwood in its pulping operation.

Temporary Portable Generator: The temporary 200 kW portable generator is classified as a mobile non-road compression ignition (CI) reciprocating internal combustion engine (RICE) pursuant to the definition in 40 CFR 1068.30 and therefore is not subject to the requirements of 40 CFR 60, Subpart IIII Standards of Performance for Stationary Compression Ignition Internal Combustion Engines and 40 CFR 63, Subpart ZZZZ National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines.

Based on the submitted application, the facility anticipates an hourly gasoline/diesel fuel usage rate for the temporary portable generator of a maximum of 6.0 gallons per hour with, an annual usage rate of 3,020 gallons based on an estimated 504 hours of operation due to interruptions. This annual estimated usage rate is below the 64,000 gallons threshold in the conditional exemption of Rule 62-210.300(3)(a)35., F.A.C. the engine therefore meets the categorical exemption rule 62-210.300(3)(a)35., F.A.C.

The fuel usage in the engine, is to be included in the recordkeeping requirements of the facility.

SECTION 1. GENERAL INFORMATION

The facility will consist of the following emissions units.

E.U. ID No.	Brief Description
-001	Hardwood Chip Mill <ul style="list-style-type: none">- 0.25 TPH Sizing Saw- 150 TPH Log Debarker- 21 TPH Bark Hog- 129 TPH Wood Chipper

Proposed Project

This project authorizes the use of a portable gasoline/diesel fuel powered generator only during periods when electrical power (which is the only source of power to the mill), is temporarily interrupted. The facility has stated that the temporary generator will be operated only during periods when electrical power supplied to the mill is temporarily interrupted. The facility estimates such interruptions to result in the generator being operated for no more than 504 hours per year in a typical year.

The fuel usage in the engine, is to be included in the recordkeeping requirements of the facility.

The chip mill consists of a log yard, sawing, and debarking operations, chipping operations, and chip and bark handling.

From the air permit application, the project will result in the following annual emissions based on a maximum of 504 hours of operation per year with a maximum fuel consumption of 3,020 gals/year.: 0.15TPY of particulate matter (PM), 0.470 TPY of Carbon Monoxide (CO) 0.14 TPY of Sulfur Dioxide (SO₂) and 1.46 TPY Volatile Organic Compounds (VOC).

FACILITY REGULATORY CLASSIFICATION

- The facility is not 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.
- The facility is not a Title V major source of air pollution in accordance with Chapter 213, F.A.C.
- The facility is not a major stationary source in accordance with Rule 62-212.400(PSD), F.A.C.

SECTION 2. ADMINISTRATIVE REQUIREMENTS

1. Permitting Authority: The permitting authority for this project is the Florida Department of Environmental Protection (Department), Northeast District Office, Waste and Air Resource Management. The Northeast District Office's mailing address is 8800 Baymeadows Way West, Suite 100, Jacksonville, Florida 32256-7590. All documents related to applications for permits to operate an emissions unit shall be submitted to the Northeast District.
2. Compliance Authority: All documents related to compliance activities such as reports, tests, and notifications shall be submitted to the Northeast District Office, Compliance Assurance. The mailing address and phone number of the District Office is: 8800 Baymeadows Way West, Suite 100, Jacksonville, Florida 32256. The Compliance Authority's telephone number is (904)256-1700.
3. Appendices: The following Appendices are attached as part of this permit:
 - a. Appendix A. Citation Formats and Glossary of Common Terms;
 - b. Appendix B. General Conditions;
 - c. Appendix C. Common Conditions
 - d. Appendix D. Common Testing Requirements
4. Applicable Regulations, Forms and Application Procedures: Unless otherwise specified in this permit, the construction and operation of the subject emissions units shall be in accordance with the capacities and specifications stated in the application. The facility is subject to all applicable provisions of: Chapter 403, F.S.; and Chapters 62-4, 62-204, 62-210, 62-212, 62-296 and 62-297, F.A.C. Issuance of this permit does not relieve the owner or operator from compliance with any applicable federal, state, or local permitting or regulations.

[Rule 62-210.300, F.A.C.]
5. New or Additional Conditions: For good cause shown and after notice and an administrative hearing, if requested, the Department may require the permittee to conform to new or additional conditions. The Department shall allow the permittee a reasonable time to conform to the new or additional conditions, and on application of the permittee, the Department may grant additional time.

[Rule 62-4.080, F.A.C.]
6. Modifications: The permittee shall notify the Compliance Authority upon commencement of construction. No new emissions unit shall be constructed and no existing emissions unit shall be modified without obtaining an air construction permit from the Department. Such permit shall be obtained prior to beginning construction or modification.

[Rules 62-210.300(1) and 62-212.300(1) (a), F.A.C.]
7. Source Obligation:
 - a. At such time that a particular source or modification becomes a major stationary source or major modification (as these terms were defined at the time the source obtained the enforceable limitation) solely by virtue of a relaxation in any enforceable limitation which was established after August 7, 1980, on the capacity of the source or modification otherwise to emit a pollutant, such as a restriction on hours of operation, then the requirements of subsections 62-212.400(4) through (12), F.A.C., shall apply to the source or modification as though construction had not yet commenced on the source or modification.

SECTION 2. ADMINISTRATIVE REQUIREMENTS

- b. At such time that a particular source or modification becomes a major stationary source or major modification (as these terms were defined at the time the source obtained the enforceable limitation) solely by exceeding its projected actual emissions, then the requirements of subsections 62-212.400(4) through (12), F.A.C., shall apply to the source or modification as though construction had not yet commenced on the source or modification.

[Rule 62-212.400(12), F.A.C.]

8. Application for Operation Permit: This permit authorizes construction of the permitted emissions units and initial operation. The permittee shall apply for an air operation permit at least 90 days prior to expiration of this permit, but no later than 180 days after commencing operation of the emissions unit in accordance with the authorizations of this construction permit. To apply for an operation permit, the applicant shall submit the appropriate application form, compliance test results (if required), and such additional information as the Department may by law require. The application shall be submitted to the appropriate Permitting Authority.

[Rules 62-4.030, 62-4.050, and Chapter 62-210, F.A.C.]

SECTION 3. FACILITY-WIDE CONDITIONS

1. General Visible Emissions: No person shall cause, let, permit, suffer or allow to be discharged into the atmosphere the emissions of air pollutants from any activity equal to or greater than 20% opacity. The permittee shall conduct a visible emissions compliance test upon request by the Department in accordance with the requirements of Rule 62-297.310 (7)(b), F.A.C. [stated in Condition 4.b of Appendix D Common Testing Requirements]. The test Method shall be EPA Method 9 incorporated and adopted by reference in Chapter 62-297, F.A.C.

[Rule 62-296.320(4)(b)1, F.A.C.]

2. Unconfined Particulate Emissions: The Permittee shall take reasonable precautions to control unconfined emissions from the operations at the Foley Chip Mill. No person shall cause, let, permit, suffer or allow the emissions of unconfined particulate matter from any activity, including vehicular movement; transportation of materials; construction, alteration, demolition or wrecking; or industrially related activities such as loading, unloading, storing or handling; without taking reasonable precautions to prevent such emissions.

Reasonable precautions at this facility may include, but are not limited to the following:

- a. Maintenance of paved roads as needed.
- b. Application of water or other dust suppressants to unpaved roads, yards, open stock piles under the control of the owner or operator of the facility to prevent reentrainment, and from work areas to prevent particulate from becoming airborne.
- c. Vehicles shall be restricted to slow speeds on the plant site
- d. Landscaping and planting of vegetation.
- e. Regular mowing of grass and care of vegetation.
- f. Limiting access to plant property by unnecessary vehicles
- g. Use of enclosed material transfer points where feasible.
- h. Minimizing drop distances of dry materials when handling.

[Rule 62-296.320(4)(c), F.A.C.; Application No. 1230059-002-AC]

SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS

Foley Chip Mill (Hardwood Chip Mill)

This section of the permit addresses the following emissions unit.

ID No.	Emission Unit Description
001	Hardwood Chip Mill <ul style="list-style-type: none">- 0.25 TPH Sizing Saw- 150 TPH Log Debarker- 21 TPH Bark Hog- 129 TPH Wood Chipper
<i>Exempt Emissions Unit</i>	
	200 kW Temporary Portable Generator to be operated only during periods of temporary electrical power interruptions

{Permitting note: This emissions unit is regulated under: Rule 62-296.320, F.A.C. – General Pollutant Emission Limiting Standards.

EQUIPMENT

1. **Foley Chip Mill:** The permittee is authorized to restart the hardwood chip mill known as the Foley Chip Mill. Operations consists of a log yard, sawing, and debarking operations, chipping operations, and chip and bark handling. The restart includes the installation of a new chipper disk.

Major pieces of equipment at the Foley Chip Mill include: 0.25 tons per hour (TPH) Log Sizing Saw, 150 TPH Log Debarker, 21 TPH Bark Hog, and 129 TPH Wood Chipper¹.

¹All energy consuming equipment at the facility are operated exclusively by electrical power. During periods of temporary electrical power interruption the facility is authorized to operate a temporary 200 kW portable generator.

[Application No. 1230059-002-AC and Application No. 1230059-003-AC dated May 27, 2014]

PERFORMANCE RESTRICTIONS

Essential Potential to Emit (PTE) Parameters

2. **Permitted Capacity.** The Foley Chip Mill is authorized to process only hardwood logs.
 - a. **Log Throughput Rate:** The estimated design capacity of the Foley Chip Mill is based on an annual log throughput of 1,314,000 tons during any consecutive 12-month period.
 - b. **Bark Production Rate:** The estimated bark production rate at the Foley Chip Mill is 183,960 tons during any consecutive 12-month period.¹
 - c. **Wood Chip Production Rate:** The estimated wood chip production by the Foley Chip Mill is 1,130,040 tons during any consecutive 12-month period.²

¹ Based on 14 percent of the estimated log throughput to the Foley Chip Mill and 150 TPH design capacity of the Log Debarker, 8,760 hours of operation.

SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS

Foley Chip Mill (Hardwood Chip Mill)

² Based on 86 percent of the estimated log throughput of the Foley Chip Mill and 129 TPH design capacity of the Wood Chipper, 8,760 hours of operation.

[Rule 62-204.800, 62-212.200(PTE), F.A.C., Application No. 1230059-002-AC]

3. **Restricted Operation:** The hours of operation of this emissions unit is not limited (8,760 hours per year).
[Rules 62-4.070(3), 62-210.200(PTE), F.A.C.; Permit No. 1230059-002-AC]
4. **Methods of Operation- Authorized Fuel.** No fuels are authorized for the equipment used in the Foley Chip Mill operations except during periods when electrical power to the facility has been temporarily interrupted. During normal operation, there shall be no fuel combustion units operating at the facility and all energy consuming equipment shall be electric. During periods when electrical power to the facility has been temporarily interrupted, a portable rental generator of up to 200 kW may be brought on site for temporary operation.

[Application No. 1230059-002-AC; Rules 62-4.070, 62-210.200(PTE), F.A.C. Applicant Request May 27, 2014]

NOTIFICATION, RECORDKEEPING AND REPORTING REQUIREMENTS

5. a. **Notification of Foley Chip Mill Construction and Startup:** The Permittee shall submit to the Compliance Authority written or electronic notification of any authorized construction and actual startup of the Foley Chip Mill. This notification shall include:
 1. A notification of the date construction is commenced postmarked no later than 30 days after such date.
 2. A notification of the actual date of initial startup of the Foley Chip Mill postmarked within 15 days after such date.
 - b. **Log Throughput:** The Permittee shall record and maintain records of the actual quantity (tons) of logs processed at the Foley Chip Mill during at least each calendar month. The Permittee shall determine a rolling, consecutive 12-month total from the monthly data. These records shall be kept onsite for a period of three years following the date of such record and available to Department personnel upon request.
- [Rule 62-4.070, F.A.C.]
6. **Notification of Temporary Portable Generator Operation:** The Permittee shall submit to the Compliance Authority written or electronic notification of the dates that the temporary portable generator begins operation and completes operation at the site. This notification shall include:
 1. Manufacturer name and date of manufacture
 2. Model No.
 3. Power rating Kw/HP
 3. Quantity of gasoline or diesel fuel combusted while located at the site
 4. The total number of hours of operation at the site.

[Rule 62-4.070, F.A.C.]