



Florida Department of Environmental Protection

Northeast District
7825 Baymeadows Way, Suite B200
Jacksonville, Florida 32256-7590

Rick Scott
Governor

Jennifer Carroll
Lt. Governor

Herschel T.
Vinyard Jr.
Secretary

Sent by Electronic Mail – Received Receipt Requested

PERMITTEE

Great South Timber & Lumber, Inc.
1135 SE State Road 100
Lake City, Florida 32056

Air Permit No. 0230045-004-AO
Date of Issue: April 21, 2011
Expiration Date: April 21, 2016

Authorized Representative:
Roland Bales, General Manager

Non-Title V Air Operation Permit
Renewal

This is the final air operation permit, which authorizes the renewal of the Great South Timber & Lumber, Inc., facility, which is a Sawmill (Standard Industrial Classification No. 2421). The facility is located at 1135 SE State Road 100, Lake City, in Columbia County, Florida. The UTM coordinates are Zone 17, 348.62 km East, and 3339.53 km North. As noted in the Final Determination provided with this final permit, only minor changes and clarifications were made to the draft permit.

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 operation 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.).

AIR OPERATING PERMIT

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



Christopher L. Kirts, P.E.
District Air Program Administrator

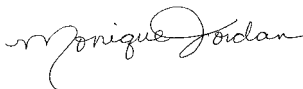
CERTIFICATE OF SERVICE

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 April 21, 2011 to the persons listed below.

Roland Bales, Applicant, Great South Timber & Lumber, Inc. (rolandbales@greatsouth.us)
George Whitmer, Consultant, Whitmer Environmental Services, Inc. (george@whitmerenv.com)
Stephen Alexander, P.E. Consultant, Whitmer Environmental Services, Inc. (steveair57@yahoo.com)

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.



(Clerk)

4/25/2011
(Date)

Great South Timber & Lumber, Inc.

Permit Number: 0230045-004-AO
Non-Title V Air Operation Permit Renewal

FACILITY AND PROJECT DESCRIPTION

Existing Facility

This facility is a lumber sawmill. Three process cyclones are used for the transferring and handling of wood wastes generated from the sawmill. Sawdust collected by the cyclones will be used as fuel in the direct-fired kiln. Approximately 20,000 tons of sawdust will be burned annually.

In a direct-fired kiln, combustion is accomplished in two stages:
(1) Drying and gasification, and (2) combustions of gaseous products.
The kiln has a maximum heat input rate of 22 mmBtu/hour.

The existing facility consists of the following emissions unit.

ID No.	Emission Unit Description
001	Direct-Fired Kiln

Facility Regulatory Classification

- The facility is not a major source of hazardous air pollutants (HAP).
- The facility has no units subject to the acid rain provisions of the Clean Air Act (CAA).
- 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.

STATE REQUIREMENTS

The facility is subject to the following regulations:

- **Chapter 62-4, F.A.C. - Permits**
- Rule 62-4.160, F.A.C.- General Permit Conditions
- Rule 62-4.130, F.A.C. - Plant Operation - Problems
- **Chapter 62-210, F.A.C. - Stationary Sources - General Requirements**
- Rule 62-210. 300, F.A.C. - Permits Required
- Rule 62-210. 350, F.A.C. - Public Notice and Comment
- Rule 62-210.650, F.A.C. - Circumvention
- Rule 62-210.700, F.A.C. - Excess Emissions
- **Chapter 62-296, F.A.C. - Stationary Sources - Emissions Standards**
- Rule 62-296.320, F.A.C.- General Pollutant Emissions Limiting Standards
- Rule 62-296.410, F.A.C. - Carbonaceous Fuel Burning Equipment
- **Chapter 62-297, F.A.C. - Stationary Sources - Emissions Monitoring**
- Rule 62-297.310, F.A.C. - General Test Requirements

SECTION 2. ADMINISTRATIVE REQUIREMENTS (FINAL)

1. Permitting Authority: The permitting authority for this project is the Northeast District Office, Florida Department of Environmental Protection (Department). The mailing address is 7825 Baymeadows Way, Suite B-200, Jacksonville, Florida 32256-7590. All documents related to applications for permits to operate an emissions unit shall be submitted to this District office.
2. Compliance Authority: All documents related to compliance activities such as reports, tests, and notifications shall be submitted to the Northeast District Office, Florida Department of Environmental Protection (Department). The mailing address is 7825 Baymeadows Way, Suite B-200, Jacksonville, Florida 32256-7590. All documents related to applications for permits to operate an emissions unit shall be submitted to this District office.
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, 62-213, 62-296 and 62-297, F.A.C. Issuance of this permit does not relieve the permittee from compliance with any applicable federal, state, or local permitting or regulations.
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. Application for Non Title V Permit Renewal: This permit authorizes operation of the permitted emissions units. The permittee shall apply for a Non-Title V air operation permit renewal (DEP Form No. 62-210.900(4), F.A.C.) at least 60 days prior to expiration of this permit. To apply for a Non-Title V operation permit, the applicant shall submit the appropriate application form, compliance test results, and such additional information as the Department may by law require. The application shall be submitted to the appropriate Permitting Authority with copies to the Compliance Authority. [Rules 62-4.030, 62-4.050, 62-4.220, F.A.C.]
8. Any revision(s) to a permit (and application) must be submitted to the Department, in writing, and approved by the Department prior to implementation.
9. The I.D. No. and Project name for this source shall be used on all correspondence.

SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS (FINAL)

A. Direct-Fired Kiln

This section of the permit addresses the following emissions unit.

ID No.	Emission Unit Description
001	Direct-Fired Kiln

This emissions unit is subject to the requirements of Rule 62-296.320, F.A.C.

PERFORMANCE RESTRICTIONS

1. Hours of Operation: The hours of operation are not restricted, i.e. 24 H/D; 7 D/W; 52 W/Y, and 8760 hours per year.
[Rules 62-4.160(2), 62-210.200(PTE), F.A.C.]
2. Maximum Throughput: The maximum throughput rate of lumber shall not exceed 50 mmBF/yr.
[Application Permit No. 0230045-003-AC]
3. Permitted Capacity: The maximum heat input rate is limited to 22 mmBtu/hour.
{Note: Based on sawdust heat value approximately 4500 Btu/lb, maximum 20,000 tons of sawdust burned per year.}
[Rules 62-4.160(2), 62-210.200(PTE), F.A.C.]
4. Method of Operation- Fuels: The kiln is carbonaceous (wood waste) fired.
[Rule 62-210.300(2)(a), F.A.C.]

EMISSIONS STANDARDS

5. Emission Limits: Visible emissions with a density of Ringelmann Number 1 (20% opacity) except that a density of Ringelmann Number 2 (40% opacity) is permissible for not more than two minutes in any one hour.
[Rule 62-296.410(2)(a), F.A.C.]
6. Open Burning Prohibition: Open burning is prohibited, except when determined by the Department to be the only feasible method of operation and authorized by this permit or an emergency exists which requires immediate action to protect human health and safety. [Rule 62-296.320(3)(a)&(b), F.A.C.]
7. Unconfined Particulate Matter (Facility Wide): No person shall cause, let, permit, suffer or allow the emissions of unconfined particulate matter from any activity, including vehicular movement; transportation of material; construction, alteration, demolition or wrecking; or industrially activity such as loading, unloading, storing and handling; without taking reasonable precaution to prevent such emissions. Reasonable precautions may include but are not limited to the followings:
 - a. Paving of the entire roadway in and around the facility. All unpaved pathways and interior access roads shall be compacted and wetted.
 - b. Observe all cyclones on a daily basis for their function and conduct weekly inspections to prevent potential blockage.
 - c. All covered belt conveyance systems shall be inspected to assure the integrity of the cover and material flow.

SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS (FINAL)

A. Direct-Fired Kiln

- d. All pipe conveyance systems shall be inspected and any holes or corrosion of the pipes noted and repaired.
 - e. All blowers shall be inspected daily for their function and operations to prevent PM discharge.
- (1) [Rule 62-296.320(4)(c), F.A.C.]

TEST METHODS AND PROCEDURES

8. Compliance Testing: Test the emissions for the following pollutant(s) each federal fiscal year (October 1- September 30). [Rule 62-297.310(7)(a)4.a., F.A.C.]

Pollutant	Test Method	Applicable Rule
VE	DEP Method 9	Rule 62-296.410(3)(a), F.A.C.

{Note: VE test shall be conducted on kiln's vents during startup.}

9. Compliance Test Notification: At least 15 days prior to the date on which each formal compliance test is due to begin, the permittee shall provide written notification of the test to the Air Compliance Section of this Office. The notification must include the following information: the date, time, and location of each test; the name and telephone number of the facility's contact person who will be responsible for coordinating the test; and the name, company and telephone number of the person conducting the test.
[Rule 62-297.310(7)(a)9., F.A.C.]
10. Compliance Test Procedures: Test procedures shall meet all applicable requirements of Chapter 62-297, F.A.C.
[Rule 62-296.410(3)(c), F.A.C.]

NOTIFICATIONS, RECORDKEEPING AND REPORTING REQUIREMENTS

11. Recordkeeping: The owner or operator shall maintain records for:
- (a) The amount of sawdust burned in tons per month for 12-consecutive month. These records shall be retained for five years.
 - (b) The throughput rate in Mbf per month for 12-consecutive month. These records shall be retained for five years.
- [Permit No. 0230045-001-AC, Rule 62-4.070(3), F.A.C.]
12. Test Reports: The permittee shall prepare and submit reports for all required tests in accordance with the requirements specified in Appendix D (Common Testing Requirements) of this permit.

[Rule 62-297.310(8), F.A.C.]
13. Control Units/Maintenance Record: The owner or operator shall maintain the malfunction and maintenance records of all control units. The record(s) shall be kept on site for at least 5 years, and shall be made available upon Department's request.

SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS (FINAL)

A. Direct-Fired Kiln

The following information shall include but not be limited to:

- a. Date and type of malfunctions that occurred.
- b. Duration of the malfunction and corrective action taken.
- c. Maintenance conducted as a result of malfunction

[Rule 62-4.070(3), 62-210.700(1), F.A.C]