Florida Department of Environmental Protection

Northeast District
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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 Number:0230045-003-AC
Date of Issue: DRAFT
Expiration Date:

Authorized Representative:
Roland Bales, General Manager

Great South Timber & Lumber, Inc.
Minor Source Air Construction Permit
Kiln Throughput Increase

This is the final air construction permit, which authorizes the increase of the maximum throughput of the direct-fired kiln, EU001, from 30 mmBF (Board Feet)/yr to 50 mmBF/yr. The proposed work will be conducted at Great South Timber & Lumber, Inc., which is a Sawmill (Standard Industrial Classification No. 2421). The facility is located in Columbia County at 1135 SE State Road 100 Lake City, Florida. The UTM coordinates are Zone 17, 348.62 km East; and 3339.53 km N. 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 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

Draft

_____ _____

Christopher L. Kirts, P. E. Date
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 _____DRAFT_____ to the persons listed below.

Roland Bales, General Manager, 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) (Date)

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) combustion of gaseous products.
The kiln has a maximum heat input rate of 22 mmBtu/hour.

Based on the information provided in the application, the facility is considered a natural minor facility. For informational purposes, potential emissions are listed below:

Pollutant	Tons Per 12 Month Period
PM/PM10	9.38
VOCs	95.00
NOx	2.55
CO	12.28
H095	2.58
H115	4.0

The existing facility consists of the following emissions unit.

Facility ID No. 0230045	
EU No.	Emission Unit Description
001	Direct-fired Kiln

Proposed Project

The applicant proposes to increase the maximum authorized throughput of the direct-fired kiln, EU001, from 30 mmBF/yr to 50 mmBF/yr.

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.
- 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, F.A.C. for the Prevention of Significant Deterioration (PSD) of Air Quality

1. Permitting Authority: The permitting authority for this project is the Florida Department of Environmental Protection, Northeast District Office, Air Resource Management. The Permitting Authority's mailing address and telephone number are: 7825 Baymeadows Way, Suite B200, Jacksonville, Florida 32256-7590; Telephone: 904/256-1700. All documents related to applications for permits shall be submitted to the Permitting Authority.

2. Compliance Authority: The compliance authority for this project is the Florida Department of Environmental Protection, Northeast District Office, Air Resource Management. The Compliance Authority's mailing address and telephone number are: 7825 Baymeadows Way, Suite B200, Jacksonville, Florida 32256; Telephone: 904/256-1700. All documents related to compliance activities such as reports, tests, and notifications shall be submitted to the Compliance Authority.

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; and
   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. The ID Number and Project Name for this source shall be used on all correspondences.

8. 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.
   (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.]

9. Considering operational variations in types of industrial equipment operations affected by this rule, the Department may adjust maximum and minimum factors to provide reasonable and practical regulatory controls consistent with the public interest.
[Rule 62-210.700(5), F.A.C.]

10. Application for Non - Title V Permit: This permit authorizes the throughput increase of the permitted emissions unit and initial operation to determine compliance with Department rules. A completed Application for Air Permit - Non Title V Source (DEP Form No. 62-210.900(3), F.A.C.), shall be submitted to the Department at least 90 days prior to the expiration date of this construction permit. To properly apply for an operation permit, the permittee shall submit the appropriate application form, processing fee, and compliance test reports as required by this permit. [Rules 62-4.055 and 62-4.220, F.A.C.]

Direct-fired Kiln (EU 001)

This section of the permit addresses the following emissions unit.

EU No.	Emission Unit Description
001	Direct-fired Kiln

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 to the direct fired kiln 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 62-4.070(3), 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. 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.
   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.

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

TEST METHODS AND PROCEDURES

7. Compliance Testing: Test the emissions for the following pollutant(s), upon request.
   [Rule 62-297.310(7)(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.*}

8. 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

9. Test Reports: The permittee shall notify the Department of all scheduled tests and 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.]

10. 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 request.

    The 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]