West Fraser, Inc.
Whitehouse Lumber Operations

Facility ID NO.: 0310197
Duval County
Title V Air Operation Permit Renewal

Permit No. 0310197-013-AV
(Renewal of Title V Air Operation Permit No. 0310197-011-AV)

Permitting Authority:

State of Florida
Northeast District Office
Permitting Authority
Air Permitting Program
8800 Baymeadows Way W., Suite 100
Jacksonville, Florida 32256
Telephone: 904/256-1700
Fax: 904-256-1587

Compliance Authority:

State of Florida
Department of Environmental Protection
Compliance Assurance, Northeast District

8800 Baymeadows Way W., Suite 100
Jacksonville, Florida 32256
Telephone: 904/256-1700
Fax: 904-256-1590

Title V Air Operation Permit Renewal

Permit No. 0310197-013-AV

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Florida Department of Environmental Protection

Northeast District
8800 Baymeadows Way West, Suite 100
Jacksonville, Florida 32256

Rick Scott
Governor

Carlos Lopez-Cantera
Lt. Governor

Jonathan P. Steverson
Secretary

PERMITTEE:
West Fraser, Inc.
109 Halsema Road South
Jacksonville, FL 32220

Permit No. 0310197-013-AV
Whitehouse Lumber Operations
Facility ID No. 0310197
Title V Air Operation Permit Renewal

The purpose of this permit is to renew the Title V air operation permit for the above referenced facility. The existing Whitehouse Lumber Operations is located in Duval County at 109 Halsema Road South, Jacksonville, Florida. UTM Coordinates are: Zone 17, 461.4 km East and 3353.5 km North; Latitude: 30° 18' 52" North and Longitude: 81° 24' 06" West.

The Title V air operation permit is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and Florida Administrative Code (F.A.C.) Chapters 62-4, 62-210, and 62-213. The above named permittee is hereby authorized to operate the facility in accordance with the terms and conditions of this permit.

0310197-013-AV Effective Date: December 17, 2015
Renewal Application Due Date: May 6, 2020
Expiration Date: December 17, 2020

Richard S. Rachal III

Richard S. Rachal III, P.G.
Program Administrator
Permitting Program

RSR/lm

Subsection A. Facility Description.

This facility consists of the following operations and processes. Logs are transported to the facility on trucks and are off loaded onto a storage pile before processing. A crane lifts the logs off the pile and places them into a two-ring debarker, which removes bark from the logs. The bark is conveyed from the debarker into trucks or storage. The logs are cut to board lengths and the excess wood chipped into chips. These chips are conveyed to a truck or storage. The board length wood is sorted and stacked for storage waiting to go into the kilns for drying. After drying, the boards are transferred on feed rollers into the planer mill for planing and trimming. The shavings from the planer mill are conveyed through a cyclone and into a truck bin or the hammer mill for grinding into wood flour for fuel for the kilns. The wood flour is conveyed into the fuel silo through a cyclone and piped into the kilns' fuel systems. After the planer mill, the boards are stored for shipment in the covered dry storage areas.

Subsection B. Summary of Emissions Units.

EU No.	Brief Description	
Regulated Emissions Units		**Control Technology**
001	Wood Drying Kiln No. 1 (Middle)	
002	Wood Drying Kiln No. 2 (West)	
003	Wood Drying Kiln No. 3 (East)	
006	Planer Meter Bin	Cyclone
007	Truck Bin/Planer Silo	(2) Cyclones
008	Fuel Silo	Cyclone
012	Emergency Engine	

Also included in this permit are miscellaneous insignificant emissions units and/or activities (see Appendix I, List of Insignificant Emissions Units and/or Activities).

Subsection C. Applicable Regulations.

Based on the Title V air operation permit renewal application received October 7, 2015, this facility **is** a major source of hazardous air pollutants (HAP). The existing facility **is not** a prevention of significant deterioration (PSD) major source of air pollutants in accordance with Rule 62-212.400, F.A.C. A summary of applicable regulations is shown in the following table.

Regulation	EU No(s).
Federal	
40 CFR 63 Subpart A - (General Provisions)	001 – 003, 012
40 CFR 63 Subpart DDDD (Plywood and Composite Wood Products)	001 – 003
40 CFR 63 Subpart ZZZZ- National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines	012
State Rule Citations	
State Rule Citations (Rule 62-296.410; Rule 62-297.310; Rule 62-296.700; Rule 62-296.711)	001 – 003, 006 - 008
JEPB	
Rule 2.1101, Rule 2.1201; Rule 2.1401; Rule 2.301	001 – 003, 006 - 008

This facility is only subject to the initial notification requirements of National Emission Standards for Hazardous Air Pollutants for Plywood and Composite Wood Products (40 CFR 63, Subpart DDDD) since lumber kilns are not subject to the compliance options or work practice requirements of the subpart.

The following conditions apply facility-wide to all emission units and activities:

FW1. Appendices. The permittee shall comply with all documents identified in Section IV, Appendices, listed in the Table of Contents. Each document is an enforceable part of this permit unless otherwise indicated. [Rule 62-213.440, F.A.C.]

Emissions and Controls

FW2. [Not federally enforceable] Objectionable Odor Prohibited. No person shall cause, suffer, allow or permit the discharge of air pollutants, which cause or contribute to an objectionable odor. An "objectionable odor" means any odor present in the outdoor atmosphere which by itself or in combination with other odors, is or may be harmful or injurious to human health or welfare, which unreasonably interferes with the comfortable use and enjoyment of life or property, or which creates a nuisance. [Rule 62-296.320(2), 62-210.200(Definitions), F.A.C., and Rule 2.1101, JEPB]

FW3. General Volatile Organic Compounds (VOC) Emissions or Organic Solvents (OS) Emissions. The permittee shall allow no person to store, pump, handle, process, load, unload or use in any process or installation, volatile organic compounds or organic solvents without applying known and existing vapor emission control devices or systems deemed-necessary and ordered by the Department. [Rule 62-296.320(1), F.A.C., and Rule 2.1101, JEPB]

{Permitting Note: Nothing is deemed necessary and ordered at this time.}

FW4. 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. This regulation does not impose a specific testing requirement. [Rule 62-296.320(4)(b), F.A.C., Rule 2.1101, JEPB, and Rule 2.1201, JEPB]

FW5. Unconfined Particulate Matter. 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 to prevent emissions of unconfined particulate matter at this facility include:

a. Paving and maintenance of roads, parking areas and yards.
b. Application of water or chemicals to control emissions from such activities as demolition of buildings, grading roads, construction, and land clearing.
c. Application of asphalt, water, oil, chemicals or other dust suppressants to unpaved roads, yards, open stock piles and similar activities.
d. Removal of particulate matter from roads and other paved areas under the control of the owner or operator of the facility to prevent re-entrainment, and from buildings or work areas to prevent particulate from becoming airborne.
e. Landscaping or planting of vegetation.
f. Use of hoods, fans, filters, and similar equipment to contain, capture and/or vent particulate matter.
g. Confining abrasive blasting where possible.
h. Enclosure or covering of conveyor systems.

[Rule 62-296.320(4)(c), F.A.C.; and Rule 2.1101, JEPB.]

Annual Reports and Fees

See Appendix RR, Facility-wide Reporting Requirements for additional details.

FW6. Electronic Annual Operating Report and Title V Annual Emissions Fees. The information required by the Annual Operating Report for Air Pollutant Emitting Facility [Including Title V Source Emissions Fee Calculation] (DEP Form No. 62-210.900(5)) shall be submitted by April 1 of each year, for the previous calendar year, to the Department of Environmental Protection's (DEP) Division of Air Resource Management. Each Title V source shall submit the annual operating report using the DEP's Electronic Annual Operating Report (EAOR) software, unless the Title V source claims a technical or financial hardship by submitting DEP Form No. 62-210.900(5) to the DEP Division of Air Resource Management instead of using the reporting software. Emissions shall be computed in accordance with the provisions of subsection 62-210.370(2), F.A.C. Each Title V source must pay between January 15 and April 1 of each year an annual emissions fee in an amount determined as set forth in subsection 62-213.205(1), F.A.C. The annual fee shall only apply to those regulated pollutants, except carbon monoxide and greenhouse gases, for which an allowable numeric emission-limiting standard is specified in the source's most recent construction permit or operation permit. Upon completing the required EAOR entries, the EAOR Title V Fee Invoice can be printed by the source showing which of the reported emissions are subject to the fee and the total Title V Annual Emissions Fee that is due. The submission of the annual Title V emissions fee payment is also due (postmarked) by April 1st of each year. A copy of the system-generated EAOR Title V Annual Emissions Fee Invoice and the indicated total fee shall be submitted to: **Major Air Pollution Source Annual Emissions Fee, Post Office Box 3070, Tallahassee, Florida 32315-3070.** Additional information is available by accessing the Title V Annual Emissions Fee On-line Information Center at the following Internet web site: http://www.dep.state.fl.us/air/emission/tvfee.htm. [Rules 62-210.370(3), 62-210.900 & 62-213.205, F.A.C.; and, §403.0872(11), Florida Statutes (2013)]

{Permitting Note: Resources to help you complete your AOR are available on the electronic AOR (EAOR) website at: http://www.dep.state.fl.us/air/emission/eaor. If you have questions or need assistance after reviewing the information posted on the EAOR website, please contact the Department by phone at (850) 717-9000 or email at eaor@dep.state.fl.us.}

{Permitting Note: The Title V Annual Emissions Fee form (DEP Form No. 62-213.900(1)) has been repealed. ***A separate Annual Emissions Fee form is no longer required to be submitted by March 1st each year.****}*

FW7. Annual Statement of Compliance. The permittee shall submit an annual statement of compliance to the compliance authority at the address shown on the cover of this permit within 60 days after the end of each calendar year during which the Title V permit was effective. [Rules 62-213.440(3)(a)2. & 3. and (b), F.A.C., and Rule 2.501, JEPB]

FW8. Prevention of Accidental Releases (Section 112(r) of CAA). If, and when, the facility becomes subject to 112(r), the permittee shall:

a. Submit its Risk Management Plan (RMP) to the Chemical Emergency Preparedness and Prevention Office (CEPPO) RMP Reporting Center. Any Risk Management Plans, original submittals, revisions or updates to submittals, should be sent electronically through EPA's Central Data Exchange system at the following address: https://cdx.epa.gov. Information on electronically submitting risk management plans using the Central Data Exchange system is available at: http://www2.epa.gov/rmp. The RMP Reporting Center can be contacted at: RMP Reporting Center, Post Office Box 10162, Fairfax, VA 22038, Telephone: (703) 227-7650.

b. Submit to the permitting authority Title V certification forms or a compliance schedule in accordance with Rule 62-213.440(2), F.A.C.

[40 CFR 68]

Other Requirements

FW9. [Not federally enforceable] The facility shall be subject to the City of Jacksonville Ordinance Code, Title X, Chapter 360 [Environmental Regulation], Chapter 362 [Air and Water Pollution], Chapter 376 [Odor Control], and JEPB Rule 1 [Final Rules with Respect to Organization, Procedure, and Practice].

FW10. [Not federally enforceable] The facility shall be subject to JEPB Rule 2, Parts I through VII, and Parts IX through XIV.

Subsection A. The specific conditions in this section apply to the following emissions unit:

EU No.	Brief Description
001	Wood Drying Kiln No. 1 (Middle)

Emissions Unit Description - A cyclonic wood waste and/or propane fired kiln for high temperature drying of southern pine lumber.

{Permitting Note: This emission unit is regulated under Rule 62-296.410(1)(a), F.A.C., Rule 2.1101, JEPB, Rule 2.1201, JEPB, Rule 62-297.401, F.A.C., Rule 2.301, JEPB}

ESSENTIAL POTENTIAL TO EMIT (PTE) PARAMETERS

A.1. **Maximum Process Rate**. The maximum process heat input rate shall not exceed 15.0 x 10^6 Btu per hour of wood waste and 2.2 x 10^6 Btu per hour of propane.

[Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

A.2. **Hours of Operation**. This emissions unit may operate continuously (8,760 hours/year).

[Rule 62-210.200(PTE), F.A.C.]

EMISSION LIMITATIONS AND STANDARDS

{Permitting Note: The attached Table 1, Summary of Air Pollutant Standards, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

Unless otherwise specified, the averaging time for Specific Condition A.3 is based on the specified averaging time of the applicable test method.

A.3. **Visible Emissions (VE)**. Visible emissions shall not exceed 20 percent opacity except that visible emissions not exceeding 27 percent opacity shall be allowed for one six-minute period in any one-hour period.

[Rule 62-296.410(1)(a), F.A.C. (Amended 7/10/14), and Rule 2.1101, JEPB]

TEST METHODS AND PROCEDURES

{Permitting Note: The attached Table 2, Summary of Compliance Requirements, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

A.4. **Test Methods**. When required, tests shall be performed in accordance with the following reference methods:

Method	Description of Method and Comments
9	Visual Determination of the Opacity of Emissions from Stationary Sources

The above methods are described in 40 CFR 60, Appendix A, and adopted by reference in Rule 62-204.800, F.A.C. No other methods may be used unless prior written approval is received from the Department.

[Rule 62-297.310(5)(b)., F.A.C., and Rule 2.1201, JEPB]

A.5. **Common Testing Requirements**. Unless otherwise specified, tests shall be conducted in accordance with the requirements and procedures specified in Appendix TR, Facility-Wide Testing Requirements, of this permit.

[Rule 62-297.310, F.A.C.]

A.6. **Annual Compliance Tests Required**. During each calendar year (January 1st to December 31st), each EU shall be tested to demonstrate compliance with the emissions standard for visible emission.

[Rule 62-297.310(8), F.A.C. (Amended 3-9-15)]

A.7. **Other Reporting Requirements**. See Appendix RR, Facility-Wide Reporting Requirements, for additional reporting requirements.

[Rule 62-213.440(1)(b), F.A.C.]

Subsection B. The specific conditions in this section apply to the following emissions unit:

EU No.	Brief Description
002	Wood Drying Kiln No. 2 (West)

Emissions Unit Description - A cyclonic wood waste and/or propane fired kiln for high temperature drying of southern pine lumber.

{Permitting Note: This emission unit is regulated under Rule 62-296.410, F.A.C., Rule 2.1101, JEPB, Rule 2.301, JEPB}

ESSENTIAL POTENTIAL TO EMIT (PTE) PARAMETERS

B.1. **Maximum Process Rate**. The maximum process heat input rate shall not exceed 15.0 x 10^6 Btu per hour of wood waste and 2.2 x 10^6 Btu per hour of propane.

[Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

B.2. **Hours of Operation.** This emissions unit is allowed to operate continuously, i.e., 8,760 hours per year.

[Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

{Permitting Note: The attached Table 1, Summary of Air Pollutant Standards, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

Unless otherwise specified, the averaging time for Specific Condition B.3 is based on the specified averaging time of the applicable test method.

B.3. Visible emissions shall not exceed 20 percent opacity except that visible emissions not exceeding 27 percent opacity shall be allowed for one six-minute period in any one-hour period.

[Rule 62-296.410(1)(a), F.A.C. (Amended 7/10/14), and Rule 2.1101, JEPB]

TEST METHODS AND PROCEDURES

B.4. **Test Methods**. When required, tests shall be performed in accordance with the following reference methods:

Method	Description of Method and Comments
9	Visual Determination of the Opacity of Emissions from Stationary Sources

The above methods are described in 40 CFR 60, Appendix A, and adopted by reference in Rule 62-204.800, F.A.C. No other methods may be used unless prior written approval is received from the Department.

[Rule 62-297.401, F.A.C., Rule 62-297.310(5)(b)., F.A.C., and Rule 2.1201, JEPB]

B.5. **Common Testing Requirements**. Unless otherwise specified, tests shall be conducted in accordance with the requirements and procedures specified in Appendix TR, Facility-Wide Testing Requirements, of this permit.

[Rule 62-297.310, F.A.C.]

B.6. **Annual Compliance Tests Required**. During each calendar year (January 1st to December 31st), each EU shall be tested to demonstrate compliance with the emissions standard for visible emission.

[Rule 62-297.310(8), F.A.C. (Amended 3-9-15)]

B.7. **Other Reporting Requirements**. See Appendix RR, Facility-Wide Reporting Requirements, for additional reporting requirements.

The specific conditions in this section apply to the following emissions unit:

EU No.	Brief Description
003	Wood Drying Kiln No. 3 (East)

Emissions Unit Description - A cyclonic wood waste and/or propane fired kiln for high temperature drying of southern pine lumber.

{Permitting Note: This emission unit is regulated under Rule 62-296.410, F.A.C., Rule 2.1101, JEPB, Rule 2.301, JEPB, and Rule 2.1401, JEPB}

ESSENTIAL POTENTIAL TO EMIT (PTE) PARAMETERS

C.1. **Maximum Process Rate**. The maximum process heat input rate shall not exceed 25.0 x 10^6 Btu per hour of wood waste and 2.2 x 10^6 Btu per hour of propane.

[Rule 62-210.200(PTE), F.A.C., Rule 2.301, JEPB, and Permit No. 0310197-010-AV]

C.2. **Hours of Operation.** This emissions unit is allowed to operate continuously, i.e., 8,760 hours per year.

[Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

EMISSION LIMITATIONS AND STANDARDS

{Permitting Note: The attached Table 1, Summary of Air Pollutant Standards, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

Unless otherwise specified, the averaging time for Specific Condition C.3 is based on the specified averaging time of the applicable test method.

C.3. Visible emissions shall not exceed 20 percent opacity except that visible emissions not exceeding 27 percent opacity shall be allowed for one six-minute period in any one-hour period.

[Rule 62-296.410(1)(a), F.A.C. (Amended 7/10/14), and Rule 2.1101, JEPB]

C.4. **Test Methods**. When required, tests shall be performed in accordance with the following reference methods:

Method	Description of Method and Comments
9	Visual Determination of the Opacity of Emissions from Stationary Sources

The above methods are described in 40 CFR 60, Appendix A, and adopted by reference in Rule 62-204.800, F.A.C. No other methods may be used unless prior written approval is received from the Department.

[Rule 62-297.401, F.A.C., Rule 62-297.310(5)(b)., F.A.C., Rule 2.1201, JEPB, and Air Construction Permit No. 0310197-008-AC]

C.5. **Common Testing Requirements**. Unless otherwise specified, tests shall be conducted in accordance with the requirements and procedures specified in Appendix TR, Facility-Wide Testing Requirements, of this permit.

[Rule 62-297.310, F.A.C.]

C.6. **Common Testing Requirements**. Unless otherwise specified, tests shall be conducted in accordance with the requirements and procedures specified in Appendix TR, Facility-Wide Testing Requirements, of this permit.

[Rule 62-297.310, F.A.C.]

C.7. **Annual Compliance Tests Required**. During each calendar year (January 1st to December 31st), each EU shall be tested to demonstrate compliance with the emissions standard for visible emission.

[Rule 62-297.310(8), F.A.C. (Amended 3-9-15)]

RECORDKEEPING AND REPORTING REQUIREMENTS

C.8. Permittee shall maintain daily records of the amount of wood being processed in thousand board feet on file for a minimum of five years and these records shall be made available to the Department upon a request.

[Rule 62-4.070(3), F.A.C., Rule 2.1401, JEPB, and Air Construction Permit No. 0310197-008-AC]

Subsection D. The specific conditions in this section apply to the following emissions unit:

EU No.	Brief Description
006	Planer Meter Bin

Emission Unit Description – Storage silo for shavings and fugitive dust collected from the Planer Dried Lumber Transport.

Control Device – Cyclone

{Permitting Note: This emission unit is regulated under Rule 62-296.700, F.A.C., Rule 62-296.410, F.A.C., Rule 2.1101, JEPB, Rule 2.301, JEPB, Rule 62-296.711, F.A.C. }

ESSENTIAL POTENTIAL TO EMIT (PTE) PARAMETERS

D.1. **Maximum Process Rate**. The maximum process rate shall not exceed 35,000 board feet per hour.

[Rule 62-296.700(4), F.A.C., and Rule 2.1101, JEPB]

D.2. **Operation.** The nominal volumetric flow rate is 46,611 cubic feet per minute.

[Rule 62-296.700(4), F.A.C., and Rule 2.1101, JEPB]

D.3. **Hours of Operation**. This emissions unit is allowed to operate continuously, i.e., 8,760 hours per year.

[Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

EMISSION LIMITATIONS AND STANDARDS

D.4. **RACT Requirements**. RACT requirements including **Specific RACT Emission Limiting Standards for Stationary Emissions Units** [Rule 62-296.700(3), F.A.C., and Rule 2.1101, JEPB]; **Maximum Allowable Emission Rates** [Rule 62-296.700(4), F.A.C., and Rule 2.1101, JEPB]; **Circumvention** [Rule 62-296.700(5), F.A.C., and Rule 2.1101, JEPB], and **Operation and Maintenance Plan** [Rule 62-296.700(6), F.A.C., and Rule 2.1101, JEPB] shall apply to this emission unit.

D.5. **Particulate Matter (PM).** Particulate Matter (PM) emissions shall not exceed 0.03 grains per dry standard cubic foot (11.99 pounds per hour and 52.50 tons per year).

[Rule 62-296.711(2)(b), FAC, and Rule 2.1101, JEPB]

D.6. **Visible Emissions (VE).** VE shall not exceed 5 percent opacity.

[Rule 62-296.711(2)(a), FAC, and Rule 2.1101, JEPB]

D.7. **Test Methods**. When required, tests shall be performed in accordance with the following reference methods:

Method	Description of Method and Comments
5B	Method for Determining Particulate Matter Emissions (All PM is assumed to be PM_{10}.)
9	Visual Determination of the Opacity of Emissions from Stationary Sources

The above methods are described in 40 CFR 60, Appendix A, and adopted by reference in Rule 62-204.800, F.A.C. No other methods may be used unless prior written approval is received from the Department.

[Rule 62-297.401, F.A.C., Rule 62-297.310(5)(b)., F.A.C., and Rule 2.1201, JEPB]

D.8. **Common Testing Requirements**. Unless otherwise specified, tests shall be conducted in accordance with the requirements and procedures specified in Appendix TR, Facility-Wide Testing Requirements, of this permit.

[Rule 62-297.310, F.A.C.]

D.9. **Annual Compliance Tests Required for VE**. During each calendar year (January 1st to December 31st), each EU shall be tested to demonstrate compliance with the emissions standard for visible emission.

[Rule 62-297.310(8), F.A.C. (Amended 3-9-15)]

D.10. **Compliance Tests Required for PM.** Testing for demonstration of PM compliance, shall be performed upon request.

[Rule 62-296.711(3), F.A.C., and Rule 2.1101, JEPB]

D.11. **Other Reporting Requirements**. See Appendix RR, Facility-Wide Reporting Requirements, for additional reporting requirements.

[Rule 62-213.440(1)(b), F.A.C.]

Subsection E. The specific conditions in this section apply to the following emissions unit:

EU No.	Brief Description
007	Truck Bin/Planer Silo

Emission Unit Description – Storage silos for shavings and fugitive dust collected from the Planer Dried Lumber Transport. A diverter valve exists after the Planer Meter Bin that directs the flow to either the Truck Bin or the Planer Silo. The two units cannot operate simultaneously.

Control Device – Two (2) Cyclones

{Permitting Note: This emission unit is regulated under Rule 62-296.410, F.A.C., Rule 2.1101, JEPB, Rule 2.301, JEPB}

ESSENTIAL POTENTIAL TO EMIT (PTE) PARAMETERS

E.1. **Maximum Process Rate**. The maximum process rate shall not exceed 35,000 board feet per hour.

[Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]

E.2. **Operation**. The nominal volumetric flow rate is 2,580 cubic feet per minute.

[Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]

E.3. **Hours of Operation**. This emissions unit is allowed to operate continuously, i.e., 8,760 hours per year.

[Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

EMISSION LIMITATIONS AND STANDARDS

E.4. **RACT Requirements.** RACT requirements including **Specific RACT Emission Limiting Standards for Stationary Emissions Units** [Rule 62-296.700(3), FAC, and Rule 2.1101, JEPB]**; Maximum Allowable Emission Rates** [Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]; **Circumvention** [Rule 62-296.700(5), F.A.C., and Rule 2.1101, JEPB], and **Operation and Maintenance Plan** [Rule 62-296.700(6), F.A.C., and Rule 2.1101, JEPB] shall apply to this emission unit.

E.5. **Particulate Matter (PM).** PM emissions for the Truck Bin and the Planer Silo shall not exceed 0.03 grains per dry standard cubic foot (0.66 pounds per hour and 2.91 tons per year).

[Rule 62-296.711(2)(b), F.A.C., and Rule 2.1101, JEPB]

E.6. **Visible Emissions (VE).** VE for the Truck Bin and the Planer Silo shall not exceed 5 percent opacity.

[Rule 62-296.711(2)(a), F.A.C., and Rule 2.1101, JEPB]

TEST METHODS AND PROCEDURES

E.7. **Test Methods**. When required, tests shall be performed in accordance with the following reference methods:

Method	Description of Method and Comments
5B	Method for Determining Particulate Matter Emissions (All PM is assumed to be PM_{10}.)
9	Visual Determination of the Opacity of Emissions from Stationary Sources

The above methods are described in 40 CFR 60, Appendix A, and adopted by reference in Rule 62-204.800, F.A.C. No other methods may be used unless prior written approval is received from the Department.

[Rule 62-297.401, F.A.C., Rule 62-297.310(5)(b)., F.A.C., Rule 2.1201, JEPB, Rule 62-296.711(3), F.A.C., and Rule 2.1101, JEPB, and Rule 2.1201, JEPB]

E.8. **Compliance Tests Required for PM.** Testing for demonstration of PM compliance, shall be performed upon request.

[Rule 62-296.711(3), F.A.C., and Rule 2.1101, JEPB]

E.9. **Common Testing Requirements**. Unless otherwise specified, tests shall be conducted in accordance with the requirements and procedures specified in Appendix TR, Facility-Wide Testing Requirements, of this permit.

[Rule 62-297.310, F.A.C.]

E.10. **Annual Compliance Tests Required for VE**. During each calendar year (January 1st to December 31st), each EU shall be tested to demonstrate compliance with the emissions standard for visible emission.

[Rule 62-297.310(8), F.A.C. (Amended 3-9-15)]

E.11. **Other Reporting Requirements**. See Appendix RR, Facility-Wide Reporting Requirements, for additional reporting requirements.

Subsection F. The specific conditions in this section apply to the following emissions unit:

EU No.	Brief Description
008	Fuel Silo

Emission Unit Description – Storage silo for shavings and fugitive dust collected from the Planer Dried Lumber Transport to be used as fuel for the drying kilns.

Control Device – Cyclone

{Permitting Note: This emission unit is regulated under Rule 62-296.410, F.A.C., Rule 2.1101, JEPB, Rule 2.301, JEPB}

ESSENTIAL POTENTIAL TO EMIT (PTE) PARAMETERS

F.1. **Maximum Process Rate**. The maximum process rate shall not exceed 35,000 board feet per hour.

[Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]

F.2. **Operation.** The nominal volumetric flow rate is 3,390 cubic feet per minute.

[Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]

F.3. **Hours of Operation.** This emissions unit is allowed to operate continuously, i.e., 8,760 hours per year.

[Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

EMISSION LIMITATIONS AND STANDARDS

F.4. **RACT Requirements**. RACT requirements including **Specific RACT Emission Limiting Standards for Stationary Emissions Units** [Rule 62-296.700(3), FAC, and Rule 2.1101, JEPB]**; Maximum Allowable Emission Rates** [Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]; **Circumvention** [Rule 62-296.700(5), FAC, and Rule 2.1101, JEPB], and **Operation and Maintenance Plan** [Rule 62-296.700(6), FAC, and Rule 2.1101, JEPB] shall apply to this emission unit.

F.5. **Particulate Matter (PM).** PM emissions shall not exceed 0.03 grains per dry standard cubic foot, 0.87 pounds per hour, and 3.82 tons per year.
[Rule 62-296.711(2)(b), FAC, and Rule 2.1101, JEPB]

F.6. **Visible Emissions (VE).** VE shall not exceed 5 percent opacity.

[Rule 62-296.711(2)(a), FAC, and Rule 2.1101, JEPB]

TEST METHODS AND PROCEDURES

F.7. **Test Methods**. When required, tests shall be performed in accordance with the following reference methods:

Method	Description of Method and Comments
5B	Method for Determining Particulate Matter Emissions (All PM is assumed to be PM_{10}.)
9	Visual Determination of the Opacity of Emissions from Stationary Sources

The above methods are described in 40 CFR 60, Appendix A, and adopted by reference in Rule 62-204.800, F.A.C. No other methods may be used unless prior written approval is received from the Department.

[Rule 62-297.401, F.A.C., Rule 62-297.310(5)(b)., F.A.C., Rule 2.1201, JEPB, Rule 62-296.711(3), F.A.C., and Rule 2.1101, JEPB, and Rule 2.1201, JEPB]

F.8. **Common Testing Requirements**. Unless otherwise specified, tests shall be conducted in accordance with the requirements and procedures specified in Appendix TR, Facility-Wide Testing Requirements, of this permit.

[Rule 62-297.310, F.A.C.]

F.9. **Annual Compliance Tests Required for VE**. During each calendar year (January 1st to December 31st), each EU shall be tested to demonstrate compliance with the emissions standard for visible emission.

[Rule 62-297.310(8), F.A.C. (Amended 3-9-15)]

F.10. **Compliance Tests Required for PM.** Testing for demonstration of PM compliance, shall be upon request.
[Rule 62-296.711(3), FAC, and Rule 2.1101, JEPB]

F.11. **Other Reporting Requirements**. See Appendix RR, Facility-Wide Reporting Requirements, for additional reporting requirements.

Subsection G. The specific conditions in this section apply to the following emissions unit:

Emergency Generator Diesel Engine	Manufacturer	Type	Displacement	Fuel	Date Manufactured	HP
EU012 Fire Pump	Detroit Diesel	CI	1.15 Liters per cylinder	Ultra Low Sulfur No. 2	Existing Feb/Mar 1977 (Prior to July 1, 2006)	275

{This EU is subject to the following requirements: 40 CFR 63, Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines and 40 CFR 63, Subpart A, General Provisions shall apply to the engines of this emissions unit.}

G.1. The facility engine is subject to this subpart because you own or operate a stationary RICE at a major or area source of HAP emissions.

[40 CFR 63.6585, Rule 62-204.800(11), F.A.C., and Rule 2.201, JEPB]

G.2. The stationary RICE must meet the definition of an emergency stationary RICE in 40 CFR 63.6675, which includes operating according to the provisions specified in 40 CFR 63.6640(f) **Specific Condition No. G.10.**

[40 CFR 63.6590(a)]

G.3. This stationary RICE has a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions, and is existing because the facility commenced construction or reconstruction of the stationary RICE before June 12, 2006.

[40 CFR 63.6590(a)(1)(ii)]

G.4. **Operating Limitations.** Requirements for an existing stationary RICE with a site rating of equal to or less than 500 brake HP located at a major source of HAP emissions.

1. Emergency stationary CI RICE and black start stationary CI RICE[1]	**a.** Change oil and filter every 500 hours of operation or annually, whichever comes first.[2] **b.** Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary; **c.** Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.[3]	Minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply.[3]

[40 CFR 63.6602, Table 2c Row 1]

G.5. <u>Fuel Requirements</u>.

Beginning January 1, 2015, if you own or operate an existing emergency CI stationary RICE with a site rating of more than 100 brake HP and a displacement of less than 30 liters per cylinder that uses diesel fuel and operates or is contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in 40 CFR 63.6640(f)(2)(ii) and (iii) **Specific Condition No. G.10.**, you must use diesel fuel that meets the requirements in 40 CFR 80.510(b) for nonroad diesel fuel, except that any existing diesel fuel purchased (or otherwise obtained) prior to January 1, 2015, may be used until depleted.

[40 CFR 63.6604(b)]

G.6. You must be in compliance with the operating limitations, and other requirements in this subpart that apply to you at all times.

[40 CFR 63.6605(a)]

G.7. At all times you must operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require you to make any further efforts to reduce emissions if levels required by this standard have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

[40 CFR 63.6605(b)]

G.8. <u>Work or Management Practices</u>. (e) If you own or operate any of the following stationary RICE, you must operate and maintain the stationary RICE according to the manufacturer's emission-related written instructions or develop your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.

[40 CFR 63.6625(e), and Table 6, Row 9]

G.9. <u>Non-Resettable Hour Meter</u>. You must install a non-resettable hour meter if one is not already installed.

[40 CFR 63.6625(f)]

G.10. You must operate the emergency stationary RICE according to the requirements **in this Specific Condition**. In order for the engine to be considered an emergency stationary RICE under this subpart, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described **in this Specific Condition**, is prohibited. If you do not operate the engine according to the requirements **in this Specific Condition**, the engine will not be considered an emergency engine under this subpart and must meet all requirements for non-emergency engines.

(1) There is no time limit on the use of emergency stationary RICE in emergency situations.

Specific Condition No. G.10. Continued:

(2) You may operate your emergency stationary RICE for any combination of the purposes specified in paragraphs (2)(i) through (iii) of this **Specific Condition** for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraphs (3) and (4) of this **Specific Condition** counts as part of the 100 hours per calendar year allowed by this paragraph (2).

(i) Emergency stationary RICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of emergency RICE beyond 100 hours per calendar year.

(ii) Emergency stationary RICE may be operated for emergency demand response for periods in which the Reliability Coordinator under the North American Electric Reliability Corporation (NERC) Reliability Standard EOP-002-3, Capacity and Energy Emergencies (incorporated by reference, see 40 CFR 63.14), or other authorized entity as determined by the Reliability Coordinator, has declared an Energy Emergency Alert Level 2 as defined in the NERC Reliability Standard EOP-002-3.

(iii) Emergency stationary RICE may be operated for periods where there is a deviation of voltage or frequency of 5 percent or greater below standard voltage or frequency.

(3) Emergency stationary RICE located at major sources of HAP may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing and emergency demand response provided in (2) of this **Specific Condition**. The 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

[40 CFR 63.6640(f)(1) – (3)]

G.11. <u>Recordkeeping</u>. You must keep records of the maintenance conducted on the stationary RICE in order to demonstrate that you operated and maintained the stationary RICE according to your own maintenance plan.

[40 CFR 63.6655(e)]

G.12. <u>Recordkeeping</u>. You must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The owner or operator must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. If the engine is used for the purposes specified in 40 CFR 63.6640(f)(2)(ii) **Specific Condition No G.9**, the owner or operator must keep records of the notification of the emergency situation, and the date, start time, and end time of engine operation for these purposes.

[40 CFR 63.6655(f)]

G.13. Recordkeeping.

(a) Your records must be in a form suitable and readily available for expeditious review according to 40 CFR 63.10(b)(1).

(b) As specified in 40 CFR 63.10(b)(1), you must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.

(c) You must keep each record readily accessible in hard copy or electronic form for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 63.10(b)(1).

[40 CFR 63.6660(a), (b), (c)]

SECTION VI. APPENDICES.

The Following Appendices Are Enforceable Parts of This Permit:

Appendix A-1, Glossary.
Appendix A-2, Abbreviations.
Appendix 40 CFR 60 Subpart A General Provisions.
Appendix 40 CFR 60 Subpart DDDD.
Appendix 40 CFR 63 Subpart A General Provisions.
Appendix 40 CFR 63 Subpart ZZZZ.
Appendix I, List of Insignificant Emissions Units and/or Activities.
Appendix LR-1, Local Rule Index
Appendix O & M, Operation and Maintenance Plan
Appendix RR, Facility-wide Reporting Requirements.
Appendix TR, Facility-wide Testing Requirements.
Appendix TV, Title V General Conditions.