

West Fraser, Inc.
Whitehouse Lumber Operations

Facility ID No.: 0310197

Duval County

Title V Air Operation Permit Renewal

Permit No. 0310197-022-AV

(Renewal of Title V Air Operation Permit No. 0310197-021-AV)



Permitting Authority:

State of Florida
Northeast District Office
Permitting Authority
8800 Baymeadows Way West, Suite 100
Jacksonville, Florida 32256
Telephone: 904/256-1700
Email: DEP_NED@floridadep.gov

Compliance Authority:

State of Florida
Department of Environmental Protection
Compliance Assurance, Northeast District
8800 Baymeadows Way West, Suite 100
Jacksonville, Florida 32256
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Title V Air Operation Permit Renewal
Permit No. 0310197-022-AV

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FLORIDA DEPARTMENT OF Environmental Protection

Ron DeSantis
Governor

Alexis A. Lambert
Secretary

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

PERMITTEE:

West Fraser, Inc.
109 Halsema Road South
Jacksonville, Florida 32220

Permit No. 0310197-022-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, and to revise the permit to include an existing emergency generator engine. 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.

0310197-022-AV Effective Date: DATE, 20yy
Renewal Application Due Date: Exp. DATE -225, 20zz
Expiration Date: Eff. DATE + 5 years, 20zz

Draft

Katie Sula Miller
Permitting Program Administrator

KSM/rfs/lm

SECTION I. FACILITY INFORMATION.

Subsection A. Facility Description.

West Fraser, Inc. operates the Whitehouse Lumber Operations, which is in Duval County at 109 Halsema Road South in Jacksonville, Florida. Whitehouse Lumber Operations processes south pine logs into chips, bark and graded finished lumber. This facility consists of the following processes: a log yard; sawmill; lumber kilns and a planer mill.

The facility imports logs and stores them until they are needed. Logs are sent to the debarker where bark from the log is removed and separated from the log. The debarked logs are cut into green dimensional lumber and sent to the sawmill. The sawmill generates scrap wood and sawdust. The scrap wood is passed through a chipper or “hog” to reduce the size of the chips. The wood chips and sawdust are shipped out or sent to storage and used as fuel.

The green lumber is transferred to one of three batch lumber kilns that fire wood waste or propane to dry southern pine lumber. Kiln No. 1 (EU 001) and Kiln No. 2 (EU 002) each have a maximum heat input rate of 15 million British thermal units/hour (MMBtu/hour) of wood waste and 2.2 MMBtu/hour of propane. Kiln No. 3 (EU 003) has a maximum heat input rate of 25 MMBtu/hour of wood waste and 2.2 MMBtu/hour of propane. The facility also operates one 275 horsepower ultra-low sulfur diesel fired emergency fire pump and one 45 kilowatt propane fired emergency generator engine (EUs 012 and 014).

The planer mill receives dry, rough cut lumber from the lumber kilns. Dry cut lumber is passed through the planer mill to reduce surface roughness of the finished product. The process consists of a trim saw, dry hog, planer, conveying systems, and bins. Two cyclones control emissions from the planer mill and dry hog. The shavings removed by the shavings conveying system during planning are stored in the shavings bin prior to being used as fuel or sold to third party companies.

Subsection B. Summary of Emissions Units.

EU No.	<u>Brief Description</u>	
<i>Regulated Emissions Units</i>		
001	Wood Drying Kiln No. 1 (Middle)	
002	Wood Drying Kiln No. 2 (West)	
003	Wood Drying Kiln No. 3 (East)	
012	Fire Pump	
014	Generac Emergency Generator	
<i>Unregulated Emissions Units and Activities</i> <i>(see Appendix U, List of Unregulated Emissions Units and/or Activities)</i>		
EU No.	Brief Description	Control Technology
006	Planer Meter Bin	Cyclone
007	Truck Bin/Planer Silo	(2) Cyclones
008	Fuel Silo	Cyclone

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 December 3, 2024, this facility is a major source of hazardous air pollutants (HAP). The existing facility is not a prevention of significant deterioration

SECTION I. FACILITY INFORMATION.

(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).
<i>Federal Rule Citations</i>	
40 CFR 63, Subpart A, NESHAP - General Provisions	001 – 003, 012
40 CFR 63, Subpart DDDD, NESHAP Plywood and Composite Wood Products	001 – 003
40 CFR 63, Subpart ZZZZ, NESHAP Stationary Reciprocating Internal Combustion Engines	012, 014
<i>State Rule Citations</i>	
State Rule Citations (Rule 62-296.410; Rule 62-297.31)	001 – 003
<i>Local Rule Citations</i>	
Rule 2.1101, Rule 2.1201; Rule 2.1401; Rule 2.301, JEPB	001 – 003

SECTION II. FACILITY-WIDE CONDITIONS.

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.; and Rule 2.501, JEPB]

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. [Rules 62-296.320(2) and 62-210.200(Definitions), F.A.C.; Rule 2.1101, JEPB and 2.301, 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.; and Rule 2.1101, 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. Application of water or other dust suppressants to surface areas,
- b. Clean surfaces and tires of vehicles to prevent out-tracking,
- c. Enclose or cover conveyor systems,
- d. Routine maintenance and cleaning of process equipment,
- e. Pave and maintain roads, parking areas, and yards,
- f. Limit vehicle access,
- g. Implement operational measures to reduce dust.

These options will be employed when necessary for dust suppression.

[Rule 62-296.320(4)(c), F.A.C.; Rule 2.1101, JEPB and, proposed by applicant in Title V air operation permit renewal application received December 3, 2024.]

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

SECTION II. FACILITY-WIDE CONDITIONS.

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 and to the US. EPA at the address shown below within 60 days after the end of each calendar year during which the Title V air operation permit was effective. (See also Appendix RR, Conditions RR1 and RR7.) [Rules 62-213.440(3)(a)2. & 3. and (b), F.A.C.]

U.S. Environmental Protection Agency, Region 4
Atlanta Federal Center
61 Forsyth Street, SW
Atlanta, Georgia 30303
Attn: Air Enforcement Branch

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: <https://www.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]

FW9. Semi-Annual Reports. The permittee shall monitor compliance with the terms and conditions of this permit and shall submit reports at least every six months to the compliance office. Each semi-annual report shall cover the 6-month periods of January 1 – June 30 and July 1 – December 31. The reports shall be submitted by the 60th day following the end of each calendar half (i.e., March 1st and August 29th of every year). All instances of deviations from permit requirements (including conditions in the referenced

SECTION II. FACILITY-WIDE CONDITIONS.

Appendices) must be clearly identified in such reports, including reference to the specific requirement and the duration of such deviation. If there are no deviations during the reporting period, the report shall so indicate. Any semi-annual reporting requirements contained in applicable federal NSPS or NESHAP requirements may be submitted as part of this report. The submittal dates specified above shall replace the submittal dates specified in the federal rules. All additional reports submitted as part of this report should be clearly identified according to the specific federal requirement. All reports shall include a certification by a responsible official, pursuant to subsection 62-213.420(4), F.A.C. (See also Conditions RR2. – RR4. of Appendix RR, Facility-wide Reporting Requirements, for additional reporting requirements related to deviations.) [Rule 62-213.440(1)(b)3.a., F.A.C.; and, 40 CFR 60.19(d), 40 CFR 61.10(h) & 40 CFR 63.10(a)(5)]

{Permitting Note: EPA has clarified that, pursuant to 40 CFR 70.6(a)(3), the word “monitoring” is used in a broad sense and means monitoring (i.e., paying attention to) the compliance of the source with all emissions limitations, standards, and work practices specified in the permit.}

Other Requirements

FW10. [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].

FW11. [Not federally enforceable] The facility shall be subject to JEPB Rule 2, Parts I through VII, and Parts IX through XIV.

SECTION III. EMISSIONS UNITS AND SPECIFIC CONDITIONS.

Subsection A. Emissions Unit 001 Wood Drying Kiln No. 1 (Middle)

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. Maximum throughput rate of 4,800 board feet per hour (BF/hr).

Exit Temperature: 200°F. Non-stack Height: 16'.

{Permitting Note: This emission unit is regulated under 40 CFR 63, Subpart A, NESHAP General Provisions, 40 CFR 63, Subpart DDDD, National Emission Standards for Hazardous Air Pollutants Plywood and Composite Wood Products, Rule 62-296.410, F.A.C.- Carbonaceous Fuel Burning Equipment; and Rule 2.1101, JEPB}

Essential Potential to Emit (PTE) Parameters

- A.1. Maximum Process Rate.** The maximum process heat input rate shall not exceed 15.0 MMBtu per hour of wood waste and 2.2 MMBtu per hour of propane. [Rule 62-210.200(PTE), F.A.C.; and Rule 2.301, JEPB]
- A.2. Hours of Operation.** This emissions unit may operate continuously without restriction. [Rule 62-210.200(PTE), F.A.C.]
- A.3. Emissions Unit Operating Rate Limitation After Testing.** See the related testing provisions in Appendix TR, Facility-wide Testing Requirements. [Rule 62-297.310(3), F.A.C.]

Emission Limitations and Standards

Unless otherwise specified, the averaging time for **Specific Condition A.4.** based on the specified averaging time of the applicable test method.

- A.4. 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.; and, Rule 2.1101, JEPB]

Test Methods and Procedures

- A.5. 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-4, 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 62-204.800, F.A.C., Rule 62-296.410(3)(a), F.A.C., Rule 62-297.310(5)(b), F.A.C.; and, Rules 2.201, JEPB, 2.1101, JEPB, and 2.1201, JEPB]

- A.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 62-296.410(3)(c), F.A.C., Rule 62-297.310, F.A.C.; Rule 2.1101, JEPB, and Rule 2.1201, JEPB]

{Permitting Note: Air compliance test notifications can now be completed online in the Department's Business Portal. To access this online process, go to <http://www.fldepportal.com/go/home> and sign in (or register if you're a new user) from the link in the upper right corner of the page. On the Welcome page select the Submit option, then select Registration/Notification, and then click on Air Compliance Test Notifications.

SECTION III. EMISSIONS UNITS AND SPECIFIC CONDITIONS.

Subsection A. Emissions Unit 001 Wood Drying Kiln No. 1 (Middle)

Once in the process, just carefully read the instructions on each screen (and under the Help tabs) to complete the notification.}

- A.7.** Annual Compliance Tests Required. During each calendar year (January 1st to December 31st), this EU shall be tested to demonstrate compliance with the emissions standards for visible emissions. [Rule 62-297.310(8), F.A.C.; and, 2.1201, JEPB]

Recordkeeping and Reporting Requirements

- A.8.** Other Reporting Requirements. See Appendix RR, Facility-Wide Reporting Requirements, for additional reporting requirements. [Rule 62-213.440(1)(b), F.A.C. and, 2.501, JEPB]

SECTION III. EMISSIONS UNITS AND SPECIFIC CONDITIONS.

Subsection B. Emissions Unit 002 Wood Drying Kiln No. 2 (West)

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. Maximum throughput rate of 4,800 BF/hr.

Exit Temperature: 200°F. Non-stack Height: 16'.

{Permitting Note: This emission unit is regulated under 40 CFR 63, Subpart A, NESHAP General Provisions, 40 CFR 63, Subpart DDDD, National Emission Standards for Hazardous Air Pollutants Plywood and Composite Wood Products, Rule 62-296.410, F.A.C.- Carbonaceous Fuel Burning Equipment, and Rule 2.1101, JEPB }

Essential Potential To Emit (PTE) Parameters

- B.1. Maximum Process Rate.** The maximum process heat input rate shall not exceed 15.0 MMBtu per hour of wood waste and 2.2 MMBtu per hour of propane. [Rule 62-210.200(PTE), F.A.C.; and, Rule 2.301, JEPB]
- B.2. Hours of Operation.** This emissions unit may operate continuously without restriction. [Rule 62-210.200(PTE), F.A.C.; and, 2.301, JEPB]
- B.3. Emissions Unit Operating Rate Limitation After Testing.** See the related testing provisions in Appendix TR, Facility-wide Testing Requirements. [Rule 62-297.310(3), F.A.C.]

Emission Limitations and Standards

Unless otherwise specified, the averaging time for **Specific Condition B.4.**, is based on the specified averaging time of the applicable test method.

- B.4. Visible Emissions.** 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.; and, Rule 2.1101, JEPB]

Test Methods and Procedures

- B.5. 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-4, 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 62-204.800, F.A.C., Rule 62-296.410(3)(a), F.A.C.; Rule 62-297.310(5)(b), F.A.C.; Rule 2.201, JEPB, Rule 2.1101, JEPB, and, Rule 2.1201, JEPB]

- B.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 62-296.410(3)(c), F.A.C., Rule 62-297.310, F.A.C.; Rule 2.1101, JEPB, and 2.1201, JEPB]

{Permitting Note: Air compliance test notifications can now be completed online in the Department's Business Portal. To access this online process, go to <http://www.fldeportal.com/go/home> and sign in (or register if you're a new user) from the link in the upper right corner of the page. On the Welcome page select the Submit option, then select Registration/Notification, and then click on Air Compliance Test Notifications. Once in the

SECTION III. EMISSIONS UNITS AND SPECIFIC CONDITIONS.

Subsection B. Emissions Unit 002 Wood Drying Kiln No. 2 (West)

process, just carefully read the instructions on each screen (and under the Help tabs) to complete the notification.}]

- B.7. Annual Compliance Tests Required.** During each calendar year (January 1st to December 31st), this EU shall be tested to demonstrate compliance with the emissions standard for visible emissions. [Rule 62-297.310(8)(a), F.A.C.; and, 2.1201, JEPB]

Recordkeeping and Reporting Requirements

- B.8. Other Reporting Requirements.** See Appendix RR, Facility-Wide Reporting Requirements, for additional reporting requirements. [Rule 62-213.440(1)(b), F.A.C.; and, 2.501, JEPB]

SECTION III. EMISSIONS UNITS AND SPECIFIC CONDITIONS.

Subsection C. Emissions Unit 003 Wood Drying Kiln No. 3 (East)

Subsection C. The specific conditions in this section apply to the following emissions units:

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. Maximum throughput rate 6,280 BF/Hr.

Commence Construction Date: 01-Feb-07. Initial Startup Date: 10-May-07.

Exit Temperature: 200°F. Non-stack Height: 16'.

{Permitting Note: This emission unit is regulated under 40 CFR 63, Subpart A, NESHAP General Provisions, 40 CFR 63, Subpart DDDD, National Emission Standards for Hazardous Air Pollutants Plywood and Composite Wood Products, Rule 62-296.410, F.A.C. - Carbonaceous Fuel Burning Equipment, and Rule 2.1101, JEPB }

Essential Potential To Emit (PTE) Parameters

- C.1. Maximum Process Rate.** The maximum process heat input rate shall not exceed 25.0 MMBtu per hour of wood waste and 2.2 MMBtu per hour of propane. [Rule 62-210.200(PTE), F.A.C.; Rule 2.301, JEPB; and,]
- 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), F.A.C.; and, Rule 2.301, JEPB]
- C.3. Emissions Unit Operating Rate Limitation After Testing.** See the related testing provisions in Appendix TR, Facility-wide Testing Requirements. [Rule 62-297.310(3), F.A.C.]

Emission Limitations and Standards

Unless otherwise specified, the averaging time for **Specific Condition C.4.**, is based on the specified averaging time of the applicable test method.

- C.4. Visible Emissions.** 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(2)(a), F.A.C., and Rule 2.1101, JEPB]
- C.5. 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-4, 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 62-204.800, F.A.C., Rule 62-296.410(3)(a), F.A.C., Rule 62-297.310(5)(b), F.A.C.; Rule 2.201, JEPB, Rule 2.1101, JEPB, Rule 2.1201, JEPB, and, Permit No. 0310197-008-AC]

- 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 62-296.410(3)(c), F.A.C., Rule 62-297.310, F.A.C.; Rule 2.1101, JEPB, and Rule 2.1201, JEPB]

{Permitting Note: Air compliance test notifications can now be completed online in the Department's Business Portal. To access this online process, go to <http://www.fldepportal.com/go/home> and sign in (or register if you're a new user) from the link in the upper right corner of the page. On the Welcome page select the Submit option, then select Registration/Notification, and then click on Air Compliance Test Notifications.

SECTION III. EMISSIONS UNITS AND SPECIFIC CONDITIONS.

Subsection C. Emissions Unit 003 Wood Drying Kiln No. 3 (East)

Once in the process, just carefully read the instructions on each screen (and under the Help tabs) to complete the notification.}

- C.7.** Annual Compliance Tests Required. During each calendar year (January 1st to December 31st), this EU shall be tested to demonstrate compliance with the emissions standard for visible emissions. [Rule 62-297.310(8)(a), F.A.C.; and Rule 2.1201, JEPB]

Recordkeeping and Reporting Requirements

- C.8.** Daily Records. The 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. [Permit No. 0310197-008-AC]
- C.9.** Other Reporting Requirements. See Appendix RR, Facility-Wide Reporting Requirements, for additional reporting requirements. [Rule 62-213.440(1)(b), F.A.C. and, 2.501, JEPB]

SECTION III. EMISSIONS UNITS AND SPECIFIC CONDITIONS.

Subsection D. Emissions Unit 012 & 014 Emergency Generator

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

EU No.	Brief Description
012	Fire Pump
014	Generac Emergency Generator

{Permitting Note: These EUs (engines) are regulated under 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; Rule 62-204.800(11), F.A.C. and Rule 2.201, JEPB.}

EU012 - Fire Pump. Manufactured by Detroit Diesel. Compression ignition (CI). 1.15 liters per cylinder. 275 horsepower (HP). Ultra-low sulfur diesel fuel. Manufactured Feb/Mar 1977 (prior to July 1, 2006) considered existing. *Stack Height: 9'. Exit Diameter: 0.25'.*

EU014 – Generac Emergency Generator. Manufactured by Generac. *Model Number: QTO4524.* Spark ignition (SI). 45 kW. Propane fired generator. *Installation Date: Prior to June 1, 2006* considered existing. *Exit temperature: 110°F. Actual Volumetric Flow: 429 actual cubic feet per minute. Nonstack Emission Point Height: 3'.*

Essential Potential to Emit (PTE) Parameters

D.1. Engine Startup- EU 012, EU 014. During periods of startup the permittee shall minimize the engine's time spent at idle and minimize the engine's startup time to a period needed for the appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply. Sources can petition the Department pursuant to the requirements of 40 CFR 63.6(g) for alternative work practices.

[Rule 62-204.800(11), F.A.C.; Rule 2.201, JEPB; and, 40 CFR 63.6625(h); Table 2.c.1.]

D.2. Work or Management Practice Standards- EU 012.

- Oil.** Change oil and filter every 500 hours of operation or 1 year + 30 days of the previous change, whichever comes first. Sources have the option to utilize an oil analysis program as described in 40 CFR 63.6625(i) in order to extend the specified oil change requirement.
- Air Cleaner.** Inspect air cleaner every 1,000 hours of operation or 1 year + 30 days of the previous inspection, whichever comes first, and replace as necessary.
- Hoses and Belts.** Inspect all hoses and belts every 500 hours of operation or 1 year + 30 days of the previous inspection, whichever comes first, and replace as necessary. Sources can petition the Department pursuant to the requirements of 40 CFR 63.6(g) for alternative work practices.
- Operation and Maintenance.** Operate and maintain the stationary RICE and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or develop and follow your own maintenance plan which shall 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.
- Oil Analysis.** The permittee has the option of using oil analysis program in order to extend the specified oil and filter change requirement in **Specific Condition a above**. The oil analysis shall be performed at the same frequency specified for changing the oil and filter in **Specific Condition a above**. The analysis program shall at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine permittee is not required to change the oil and filter. If any of the limits are exceeded, the engine permittee shall change the oil and filter within two business days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine permittee shall change the oil and filter within two

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business days or before commencing operation, whichever is later. The permittee shall keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil and filter changes for the engine. The analysis program shall be part of the maintenance plan for the engine.

[Rules 62-204.800(11), F.A.C.; Rule 2.201, JEPB; 40 CFR 63.6602, 40 CFR 63.6625(e)(2) & (i), 40 CFR 63.6640(a), Tables 6.9.a. & 2.c.1.]

D.3. Work or Management Practice Standards- EU 014.

- a. *Oil.* Change oil and filter every 500 hours of operation or 1 year + 30 days of the previous change, whichever comes first. Sources have the option to utilize an oil analysis program as described in 40 CFR 63.6625(j) in order to extend the specified oil change requirement.
- b. *Air Cleaner.* Inspect air cleaner every 1,000 hours of operation or 1 year + 30 days of the previous inspection, whichever comes first, and replace as necessary.
- c. *Hoses and Belts.* Inspect all hoses and belts every 500 hours of operation or 1 year + 30 days of the previous inspection, whichever comes first, and replace as necessary. Sources can petition the Department pursuant to the requirements of 40 CFR 63.6(g) for alternative work practices.
- d. *Operation and Maintenance.* Operate and maintain the stationary RICE and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or develop and follow your own maintenance plan which shall 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.
- e. *Oil Analysis.* The permittee has the option of using oil analysis program in order to extend the specified oil and filter change requirement in **Specific Condition D.2.a above**. The oil analysis shall be performed at the same frequency specified for changing the oil and filter in **Specific Condition D.2.a above**. The analysis program shall at a minimum analyze the following three parameters: Total Acid Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Acid Number increases by more than 3.0 milligrams of potassium hydroxide (KOH) per gram from Total Acid Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine permittee is not required to change the oil and filter. If any of the limits are exceeded, the engine permittee shall change the oil and filter within two business days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine permittee shall change the oil and filter within two business days or before commencing operation, whichever is later. The permittee shall keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil and filter changes for the engine. The analysis program shall be part of the maintenance plan for the engine.

[Rules 62-204.800(11), F.A.C.; Rule 2.201, JEPB; 40 CFR 63.6602, 40 CFR 63.6625(e)(2) & (j), 40 CFR 63.6640(a), Tables 6.9.a. & 2.c.6.]

D.4. Non-Resettable Hour Meter- EU 012, EU 014. The permittee shall install a non-resettable hour meter if one is not already installed. [Rule 62-204.800(11), F.A.C.; Rule 2.201, JEPB; and, 40 CFR 63.6625(f)]

Compliance Requirements

D.5. Continuous Compliance- EU 012, EU 014. The permittee shall:

- a. Be in compliance with the emission limitations, operating limitations, and other requirements in 40 CFR 63 Subpart ZZZZ that apply at all times.
- b. 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 the permittee 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 Department which may include, but is not limited to, monitoring results, review of

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operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

[Rule 62-204.800(11), F.A.C.; Rule 2.201, JEPB; and, 40 CFR 63.6605]

D.6. Demonstration of Continuous Compliance- EU 012, EU 014.

- a. The permittee shall demonstrate continuous compliance with each emission limitation and operating limitation in Table 2c to 40 CFR 63, Subpart ZZZZ that applies according to methods specified in Table 6 of 40 CFR 63 Subpart ZZZZ.
- b. The permittee shall report each instance in which they did not meet each emission limitation or operating limitation in Table 2c to 40 CFR 63 Subpart ZZZZ that applies. These instances are deviations from the emission and operating limitations in 40 CFR 63 Subpart ZZZZ. These deviations shall be reported according to the requirements in 40 CFR 63.6650. If the catalyst is changed, the permittee shall reestablish the values of the operating parameters measured during the initial performance test. When the operating parameters values are reestablished, the permittee shall also conduct a performance test to demonstrate that the required emission limitation applicable to the stationary RICE is being met.
- c. The permittee shall also report each instance in which the requirements in Table 8 to 40 CFR 63 Subpart ZZZ that apply were not met.
- d. The permittee shall operate the emergency stationary RICE according to the requirements in **paragraphs (1) through (3) below**. In order for the engine to be considered an emergency stationary RICE under 40 CFR 63 Subpart ZZZZ, any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year, as described in **paragraphs (1) through (3) below**, is prohibited. If the permittee does not operate the engine according to the requirements in **paragraphs (1) through (3) below**, the engine will not be considered an emergency engine under 40 CFR 63 Subpart ZZZZ and shall meet all requirements for non-emergency engines.
 - (1) There is no time limit on the use of emergency stationary RICE in emergency situations.
 - (2) Emergency stationary RICE may be operated for maintenance checks and readiness testing as specified below for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by **paragraph (3) below** counts as part of the 100 hours per calendar year allowed by this paragraph.

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 permittee may petition the Department for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the permittee maintains records indicating that federal, state, or local standards require maintenance and testing of emergency RICE beyond 100 hours per calendar year.
 - (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 provided in **paragraph (2) above** 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.

[Rule 62-204.800(11), F.A.C.; Rule 2.201, JEPB; and, 40 CFR 63.6640(a), (b), (e) & (f)(1), (2)(i), & (3)]

Recordkeeping and Reporting Requirements

D.7. Recordkeeping. The permittee shall keep the following records:

- a. A copy of each notification and report submitted to comply with 40 CFR 63 Subpart ZZZ, including all documentation supporting any Initial Notification or Notification of Compliance Status submitted, according to the requirement in 40 CFR 63.10(b)(2)(xiv) (See NESHAP Subpart A, General Provisions).

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- b. Records of the occurrence and duration (in hours) of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment.
- c. Records of performance tests and performance evaluations as required in 40 CFR 63.10(b)(2)(viii) (See NESHAP Subpart A, General Provisions).
- d. Records of all required maintenance performed on the air pollution control and monitoring equipment.
- e. Records of actions taken during periods of malfunction to minimize emissions in accordance with **Specific Condition No. D.5.b above**, including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.
- f. Records required in Table 6 of 40 CFR 63 Subpart ZZZ to show continuous compliance with each emission or operating limitation that applies.

[Rule 62-204.800(11), F.A.C.; Rule 2.201, JEPB; and, 40 CFR 63.6655(a)(1)-(5), (d)]

D.8. Maintenance Records- EU 012, EU 014. The permittee shall keep records of the maintenance conducted on the stationary RICE in order to demonstrate that it and after-treatment control device (if any) is operated and maintained according to their own maintenance plan. [Rule 62-204.800(11), F.A.C.; Rule 2.201, JEPB; and, 40 CFR 63.6655(e),(e)(2)]

D.9. Hours of Operation Records- EU 012, EU 014. The permittee shall keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The permittee shall 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. [Rule 62-204.800(11), F.A.C.; Rule 2.201, JEPB; and, 40 CFR 63.6655(f), (f)(1)]

D.10. Reporting- EU 012, EU 014. If an emergency engine is operating during an emergency and it is not possible to shut down the engine in order to perform the work practice requirements on the schedule required in Table 2c of 40 CFR 63 Subpart ZZZZ, or if performing the work practice on the required schedule would otherwise pose an unacceptable risk under Federal, state, or local law, the work practice can be delayed until the emergency is over or the unacceptable risk under Federal, state, or local law has abated. The work practice should be performed as soon as practicable after the emergency has ended or the unacceptable risk under Federal, state, or local law has abated. Sources must report any failure to perform the work practice on the schedule required and the Federal, state or local law under which the risk was deemed unacceptable. [Rule 62-204.800(11), F.A.C.; Rule 2.201, JEPB; and, 40 CFR 63.6602 & Table 2c footnote 1]

D.11. Reports of Deviations. The permittee shall report all deviations as defined in 40 CFR 63, Subpart ZZZZ in the semiannual monitoring report required by 40 CFR 70.6 (a)(3)(iii)(A). [40 CFR 63.6650(f); Rule 62-204.800(11), F.A.C.; and, Rule 2.201, JEPB]

D.12. Record Retention.

- a. Records shall 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), the permittee shall keep each record for five years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.
- c. The permittee shall 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).

[Rule 62-204.800(11), F.A.C.; Rule 2.201, JEPB; and, 40 CFR 63.6660 & 40 CFR 63.10(b)(1)]