

**DRAFT**

DATE

**CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**

E CAB  
File No. 0625-01

()

Mr. Don Bryan  
President and Chief Executive Officer  
Tradewinds Forest Products, LLC  
P. O. Box 43  
O'okala, Hawaii 96774

Dear Mr. Bryan:

**Subject: Covered Source Permit (CSP) No. 0625-01-C**  
**Application for Initial Permit No. 0625-01**  
**Tradewinds Forest Products, LLC**  
**O'okala Veneer Mill**  
**Located at: O'okala, Hawaii**  
**Date of Expiration: [five years from issue date]**

The subject covered source permit is issued in accordance with Hawaii Administrative Rules (HAR), Title 11, Chapter 60.1. The covered source permit is based on the plans, specifications, and information submitted as part of your application dated November 10, 2006, the addendum dated August 22, 2007, and correspondence dated September 12, 2007.

The covered source permit is issued subject to the conditions and requirements set forth in the following attachments:

Attachment I: Standard Conditions  
Attachment II: Special Conditions  
Attachment II - INSIG: Special Conditions - Insignificant Activities  
Attachment III: Annual Fee Requirements  
Attachment IV: Annual Emissions Reporting Requirement

The following forms are enclosed for your use and submittal as required:

Compliance Certification Form  
Annual Emissions Report Form: Fuel and Production  
Monitoring Report Form: Boiler Fuel and ESP Voltage  
Monitoring Report Form: Opacity Exceedances

Mr. Don Bryan  
Date  
Page 2

The following are for use in monitoring visible emissions:

Visible Emissions Form Requirements  
Visible Emissions Form  
The Ringelmann Chart

This permit: (a) shall not in any manner affect the title of the premises upon which the equipment is to be located; (b) does not release the permittee from any liability for any loss due to personal injury or property damage caused by, resulting from or arising out of the design, installation, maintenance, or operation of the equipment; and (c) in no manner implies or suggests that the Hawaii Department of Health, or its officers, agents, or employees, assumes any liability, directly or indirectly, for any loss due to personal injury or property damage caused by, resulting from or arising out of the design, installation, maintenance, or operation of the equipment.

Please note that pursuant to Title 40 of the Code of Federal Regulations, Part 64, Compliance Assurance Monitoring (CAM), Section 64.5(b), a CAM submittal, in accordance with 40 CFR §64.4, is required to be submitted five years after the issue date of this permit, as part of your renewal application.

Sincerely,

THOMAS E. ARIZUMI, P.E., CHIEF  
Environmental Management Division

AM:nn  
Enclosures

c: Ed Yamamoto, EHS – Hilo  
CAB Monitoring Section

**ATTACHMENT I: STANDARD CONDITIONS  
COVERED SOURCE PERMIT NO. 0625-01-C**

**Issuance Date:**

**Expiration Date:**

This permit is granted in accordance with the Hawaii Administrative Rules (HAR), Title 11, Chapter 60.1, Air Pollution Control, and is subject to the following standard conditions:

1. Unless specifically identified, the terms and conditions contained in this permit are consistent with the applicable requirement, including form, on which each term or condition is based.  
  
(Auth.: HAR §11-60.1-90)
2. This permit, or a copy thereof, shall be maintained at or near the source and shall be made available for inspection upon request. The permit shall not be willfully defaced, altered, forged, counterfeited, or falsified.  
  
(Auth.: HAR §11-60.1-6; SIP §11-60-11)<sup>2</sup>
3. This permit is not transferable whether by operation of law or otherwise, from person to person, from place to place, or from one piece of equipment to another without the approval of the Department of Health, except as provided in HAR, Section 11-60.1-91.  
  
(Auth.: HAR §11-60.1-7; SIP §11-60-9)<sup>2</sup>
4. A request for transfer from person to person shall be made on forms furnished by the Department of Health.  
  
(Auth.: HAR §11-60.1-7)
5. In the event of any changes in control or ownership of the facilities to be constructed or modified, this permit shall be binding on all subsequent owners and operators. The permittee shall notify the succeeding owner and operator of the existence of this permit and its conditions by letter, copies of which will be forwarded to the Department of Health and the U.S. Environmental Protection Agency (EPA), Region 9.  
  
(Auth.: HAR §11-60.1-5, §11-60.1-7, §11-60.1-94)
6. The facility covered by this permit shall be constructed and operated in accordance with the application, and any information submitted as part of the application, for the Covered Source Permit. There shall be no deviation unless additional or revised plans are submitted to and approved by the Department of Health, and the permit is amended to allow such deviation.  
  
(Auth.: HAR §11-60.1-2, §11-60.1-4, §11-60.1-82, §11-60.1-84, §11-60.1-90)
7. This permit (a) does not release the permittee from compliance with other applicable statutes of the State of Hawaii, or with applicable local laws, regulations, or ordinances, and (b) shall not constitute, nor be construed to be an approval of the design of the covered

source.

(Auth.: HAR §11-60.1-5, §11-60.1-82)

8. The permittee shall comply with all the terms and conditions of this permit. Any permit noncompliance constitutes a violation of HAR, Chapter 11-60.1 and the Clean Air Act and is grounds for enforcement action; for permit termination, suspension, reopening, or amendment; or for denial of a permit renewal application.

(Auth.: HAR §11-60.1-3, §11-60.1-10, §11-60.1-19, §11-60.1-90)

9. If any term or condition of this permit becomes invalid as a result of a challenge to a portion of this permit, the other terms and conditions of this permit shall not be affected and shall remain valid.

(Auth.: HAR §11-60.1-90)

10. The permittee shall not use as a defense in an enforcement action that it would have been necessary to halt or reduce the permitted activity to maintain compliance with the terms and conditions of this permit.

(Auth.: HAR §11-60.1-90)

11. This permit may be terminated, suspended, reopened, or amended for cause pursuant to HAR, Sections, 11-60.1-10 and 11-60.1-98, and Hawaii Revised Statutes (HRS), Chapter 342B-27, after affording the permittee an opportunity for a hearing in accordance with HRS, Chapter 91.

(Auth.: HAR §11-60.1-3, §11-60.1-10, §11-60.1-90, §11-60.1-98)

12. The filing of a request by the permittee for the termination, suspension, reopening, or amendment of this permit, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.

(Auth.: HAR §11-60.1-90)

13. This permit does not convey any property rights of any sort, or any exclusive privilege.

(Auth.: HAR §11-60.1-90)

14. The permittee shall notify the Department of Health and U.S. EPA Region 9 in writing of the following dates:

- a. The **anticipated date of initial start-up** for each emission unit of a new source or significant modification not more than sixty (60) days or less than thirty (30) days prior to such date;
- b. The **actual date of construction commencement** within fifteen (15) days after such

date; and

- c. The **actual date of start-up** within fifteen (15) days after such date.

(Auth.: HAR §11-60.1-90)

15. The permittee shall furnish, in a timely manner, any information or records requested in writing by the Department of Health to determine whether cause exists for terminating, suspending, reopening, or amending this permit, or to determine compliance with this permit. Upon request, the permittee shall also furnish to the Department of Health copies of records required to be kept by the permittee. For information claimed to be confidential, the Director of Health may require the permittee to furnish such records not only to the Department of Health but also directly to the U.S. EPA Region 9 along with a claim of confidentiality.

(Auth.: HAR §11-60.1-14, §11-60.1-90)

16. The permittee shall notify the Department of Health in writing, of the **intent to shut down air pollution control equipment for necessary scheduled maintenance** at least twenty-four (24) hours prior to the planned shutdown. The submittal of this notice shall not be a defense to an enforcement action. The notice shall include the following:
- a. Identification of the specific equipment to be taken out of service, as well as its location and permit number;
  - b. The expected length of time that the air pollution control equipment will be out of service;
  - c. The nature and quantity of emissions of air pollutants likely to be emitted during the shutdown period;
  - d. Measures such as the use of off-shift labor and equipment that will be taken to minimize the length of the shutdown period; and
  - e. The reasons why it would be impossible or impractical to shut down the source operation during the maintenance period.

(Auth.: HAR §11-60.1-15; SIP §11-60-16)<sup>2</sup>

17. **Except for emergencies which result in noncompliance with any technology-based emission limitation in accordance with HAR, Section 11-60.1-16.5, in the event any emission unit, air pollution control equipment, or related equipment malfunctions or breaks down in such a manner as to cause the emission of air pollutants in violation of HAR, Chapter 11-60.1 or this permit**, the permittee shall immediately notify the Department of Health of the malfunction or breakdown, unless the protection of personnel or public health or safety demands immediate attention to the malfunction or breakdown and makes such notification infeasible. In the latter case, the notice shall be provided as soon as practicable. Within five (5) working days of this initial notification, the permittee shall also submit, in writing, the following information:

- a. Identification of each affected emission point and each emission limit exceeded;

- b. Magnitude of each excess emission;
- c. Time and duration of each excess emission;
- d. Identity of the process or control equipment causing the excess emission;
- e. Cause and nature of each excess emission;
- f. Description of the steps taken to remedy the situation, prevent a recurrence, limit the excessive emissions, and assure that the malfunction or breakdown does not interfere with the attainment and maintenance of the National Ambient Air Quality Standards and state ambient air quality standards;
- g. Documentation that the equipment or process was at all times maintained and operated in a manner consistent with good practice for minimizing emissions; and
- h. A statement that the excess emissions are not part of a recurring pattern indicative of inadequate design, operation, or maintenance.

The submittal of these notices shall not be a defense to an enforcement action.

(Auth.: HAR §11-60.1-16; SIP §11-60-16)<sup>2</sup>

18. The permittee may request confidential treatment of any records in accordance with HAR, Section 11-60.1-14.

(Auth.: HAR §11-60.1-14, §11-60.1-90)

19. This permit shall become invalid with respect to the authorized construction if construction is not commenced as follows:

- a. Within eighteen (18) months after the permit takes effect, is discontinued for a period of eighteen (18) months or more, or is not completed within a reasonable time.
- b. For phased construction projects, each phase shall commence construction within eighteen (18) months of the projected and approved commencement dates in the permit. This provision shall be applicable only if the projected and approved commencement dates of each construction phase are defined in Attachment II, Special Conditions, of this permit.

(Auth.: HAR §11-60.1-9, §11-60.1-90)

20. The Department of Health may extend the time periods specified in Standard Condition No. 19 upon a satisfactory showing that an extension is justified. Requests for an extension shall be submitted in writing to the Department of Health.

(Auth.: HAR §11-60.1-9, §11-60.1-90)

21. The permittee shall submit fees in accordance with HAR, Chapter 11-60.1, Subchapter 6.

(Auth.: HAR §11-60.1-90)

22. All certifications shall be in accordance with HAR, section 11-60.1-4.  
(Auth.: HAR §11-60.1-4, HAR §11-60.1-90)
23. The permittee shall allow the Director of Health, the Regional Administrator for the U.S. EPA and/or an authorized representative, upon presentation of credentials or other documents required by law:
- a. To enter the premises where a source is located or emission-related activity is conducted, or where records must be kept under the conditions of this permit and inspect at reasonable times all facilities, equipment, including monitoring and air pollution control equipment, practices, operations, or records covered under the terms and conditions of this permit and request copies of records or copy records required by this permit; and
  - b. To sample or monitor at reasonable times substances or parameters to ensure compliance with this permit or applicable requirements of HAR, Chapter 11-60.1.
- (Auth.: HAR §11-60.1-11, §11-60.1-90)
24. Within thirty (30) days of **permanent discontinuance of the construction, modification, relocation, or operation of the facility covered by this permit**, the discontinuance shall be reported in writing to the Department of Health by a responsible official of the source.  
(Auth.: HAR §11-60.1-8; SIP §11-60-10)<sup>2</sup>
25. Each permit renewal application shall be submitted to the Department of Health and the U.S. EPA Region 9 no less than twelve months and no more than eighteen months prior to the permit expiration date. The director may allow a permit renewal application to be submitted no less than six months prior to the permit expiration date, if the director determines that there is reasonable justification.  
(Auth.: HAR §11-60.1-101, 40 CFR §70.5(a)(1)(iii))<sup>1</sup>
26. The terms and conditions included in this permit, including any provision designed to limit a source's potential to emit, are federally enforceable unless such terms, conditions, or requirements are specifically designated as not federally enforceable.  
(Auth.: HAR §11-60.1-93)
27. The compliance plan and compliance certification submittal requirements shall be in accordance with HAR, Sections 11-60.1-85 and 11-60.1-86. As specified in HAR, Section 11-60.1-86, the compliance certification shall be submitted to the Department of Health and the U.S. EPA Region 9 once per year, or more frequently as set by any applicable requirement.  
(Auth.: HAR §11-60.1-90)

28. Any document (including reports) required to be submitted by this permit shall be certified as being true, accurate, and complete by a responsible official in accordance with HAR, Sections 11-60.1-1 and 11-60.1-4, and shall be mailed to the following address:

**Clean Air Branch  
Environmental Management Division  
Hawaii Department of Health  
P.O. Box 3378  
Honolulu, HI 96801-3378**

**Upon request and as required by this permit, all correspondence to the State of Hawaii Department of Health associated with this Covered Source Permit shall have duplicate copies forwarded to:**

**Chief  
Permits Office, (Attention: Air-3)  
Air Division  
U.S. Environmental Protection Agency  
Region 9  
75 Hawthorne Street  
San Francisco, CA 94105**

(Auth.: HAR §11-60.1-4, §11-60.1-90)

29. To determine compliance with submittal deadlines for time-sensitive documents, the postmark date of the document shall be used. If the document was hand-delivered, the date received ("stamped") at the Clean Air Branch shall be used to determine the submittal date.

(Auth.: HAR §11-60.1-5, §11-60.1-90)

---

<sup>1</sup> The citations to the Code of Federal Regulations (CFR) identified under a particular condition, indicate that the permit condition complies with the specified provision(s) of the CFR. Due to the integration of the preconstruction and operating permit requirements, permit conditions may incorporate more stringent requirements than those set forth in the CFR.

<sup>2</sup> The citations to the State Implementation Plan (SIP) identified under a particular condition, indicate that the permit condition complies with the specified provision(s) of the SIP.

**ATTACHMENT II: SPECIAL CONDITIONS  
TEMPORARY COVERED SOURCE PERMIT NO. 0625-01-C**

**Issuance Date:**

**Expiration Date:**

In addition to the Standard Conditions of the Covered Source Permit, the following Special Conditions shall apply to the permitted facility:

**Section A. Equipment Description**

1. The O'okala Veneer Mill encompasses the following equipment and associated appurtenances:
  - a. One (1) 132.4 MMBTU/hr Factory Sales and Engineering, Inc. boiler, model PDDC-835C, serial no. 92-152;
  - b. One (1) PPC dry electrostatic precipitator, model 11R-1230-2712S;
  - c. One (1) 12,122 square foot per hour Raute veneer dryer (3/8" basis);
  - d. One (1) PPC wet electrostatic precipitator, model 12R-49-240; and
  - e. One (1) 7,300 gal/min Marley cooling tower cells;
  
2. An identification tag or name plate shall be displayed on the equipment listed under Special Condition A.1 to show manufacturer, model no., and serial no., where applicable. The identification tag or name plate shall be permanently attached to the equipment in a conspicuous location.

(Auth.: HAR §11-60.1-3)

(Auth.: HAR §11-60.1-5, §11-60.1-90)

**Section B. Applicable Federal Regulations**

1. The O'okala Veneer Mill is subject to the provisions of the following federal regulations:
  - a. 40 CFR Part 60, Standards of Performance for New Stationary Sources, Subpart A, General Provisions; and
  - b. 40 CFR Part 60, Standards of Performance for New Stationary Sources, Subpart Db, Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units.
  
2. The permittee shall comply with all of the applicable provisions of these standards, including all emission limits, notification, testing, monitoring, and reporting requirements. The major requirements of these standards are detailed in the special conditions of this permit.

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161; 40 CFR § 60.1, §60.46b)<sup>1</sup>

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161; 40 CFR Part 60)<sup>1</sup>

**Section C. Boiler Emission Limits**

1. Emission Limits

Emissions for the boiler, provided for under Special Condition A.1.a, shall not exceed the limits provided in *40 CFR Part 60, Subpart Db, Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units*, the limits guaranteed by the manufacturer, and the limits proposed by the permittee, as shown in the following table.

<b>Boiler Emission Limits</b>	
<b>Pollutant/Opacity</b>	<b>Emission Limit (lb/hour except for opacity)</b>
Carbon Monoxide (CO)	40.4
Nitrogen Oxides (NOx)	30.5
Particulate Matter (PM)	3.8
Hydrogen Chloride (HCl)	1.3
Opacity	20%

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161; 40 CFR §§60.42b - 60.43b)<sup>1</sup>

2. CO, NOx, and HCl Emissions

The CO, NOx, and HCl emission limits, provided for under Special Condition C.1, shall be based on a 3-hour average, and shall be complied with at all times, except during boiler startup and shutdown. Compliance with these emission limits shall be demonstrated by initial and annual source performance testing.

(Auth.: HAR §11-60.1-3, §11-60.1-36, §11-60.1-90, §11-60.1-161; 40 CFR §60.42b)<sup>1</sup>

3. PM Emissions

The PM emission limit, provided for under Special Condition C.1, shall be complied with at all times, except during boiler startup, shutdown, and malfunction. Compliance with the PM emission limit shall be demonstrated by initial and annual source performance testing.

(Auth.: HAR §11-60.1-3, §11-60.1-36, §11-60.1-90, §11-60.1-161; 40 CFR §60.42b)<sup>1</sup>

4. Opacity of Visible Emissions

- a. The opacity limit, provided for under Special Condition C.1, shall be complied with at all times, except during boiler startup, shutdown, and malfunction.

- b. For any six (6) minute averaging period, the boiler shall not exhibit visible emissions of twenty (20) percent or greater, except as follows: during start-up, shutdown, or equipment breakdown, the boiler may exhibit visible emissions greater than twenty (20) percent opacity, but not exceeding sixty (60) percent opacity, for a period aggregating not more than six (6) minutes in any sixty (60) minute period.

(Auth.: HAR §11-60.1-3, §11-60.1-32, §11-60.1-90, §11-60.1-161; 40 CFR §60.43b)<sup>1</sup>

#### **Section D. Operational Limits**

##### 1. Boiler

###### a. Stack Height

The minimum stack height of the boiler, provided for under Special Condition A.1.a, shall be 110 feet above ground. Certification of the final stack height shall be provided to the Department of Health in accordance with Special Condition F.2.

###### b. Fuel Usage

The boiler shall only be fired on the following fuels:

- i. Wood fuel, as provided for under Special Condition D.1.c;
- ii. Fuel oil no. 2, as provided for under Special Condition D.1.d; and
- iii. Biodiesel, as provided for under Special Condition D.1.e.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-90)

###### c. Wood Fuel

- i. All wood fuel fired by the boiler shall be untreated and uncontaminated by paint, glues, preservatives, oils, added chemicals, or similar foreign substances. Use of construction demolition debris of any type as wood fuel is explicitly prohibited.
- ii. Wood fuel shall consist of chips of uncontaminated whole tree wood, as provided for under Special Condition D.1.c.i, including stumps, branches, bark, chips, and sawdust incidental to the O'okala Veneer Mill operations.
- iii. Uncontaminated wood, as provided for under Special Condition D.1.c.i, may be obtained from outside sources. Records on each vendor or source supplying wood fuel for use in the boiler, provided for under Special Condition A.1.a, and the nature and amount of wood fuel (pounds or tons) furnished by each vendor or source shall be maintained and provided to the Department of Health upon request.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-90)

d. Fuel Oil No. 2

- i. Fuel oil no. 2 usage shall not exceed a maximum of 68,854 gallons per rolling 12-month period.
- ii. The fuel oil no. 2 annual capacity factor, as provided for under Special Condition E.2.b, shall not exceed 10%.
- iii. The sulfur content of the fuel oil no. 2 fired in the boiler shall not exceed a maximum of 0.3% by weight. Fuel purchase receipts shall be maintained to demonstrate compliance with this provision.
- iv. The nitrogen content of fuel oil no. 2 fired in the boiler shall not exceed a maximum of 0.3% by weight. Fuel purchase receipts shall be maintained to demonstrate compliance with this provision.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-38, §11-60.1-90, 40 CFR §§60.42b & 60.44b)<sup>1</sup>

e. Biodiesel

- i. The Department of Health may, at any time, require the permittee to conduct an analysis of the constituents and properties of the biodiesel and establish limits to ensure compliance with any federal or state requirements.
- ii. The permit conditions prescribed herein may at any time be revised by the Department of Health to reflect federal or state promulgated rules on biodiesel. The Department of Health also reserves the right to impose additional operational controls and restrictions to abate odors if a site inspection indicates controls and/or restrictions are necessary to further control the burning of biodiesel.
- iii. Records on each vendor or source supplying biodiesel for use as fuel in the boiler, provided for under Special Condition A.1.a, and the amount of biodiesel (gallons) furnished by each vendor or source shall be maintained and provided to the Department of Health upon request.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-90)

2. Electrostatic Precipitators (ESPs)

a. Boiler Dry ESP

- i. The dry ESP, provided for under Special Condition A.1.b shall be operated at all times during operation of the boiler, provided for under Special Condition A.1.a.

The permittee shall not operate the boiler if a problem affecting PM control

efficiency of the dry ESP is observed or apparent at any time. The permittee shall investigate and correct the problem before resuming boiler operation.

- ii. The dry ESP first stage voltage shall be maintained in the range of 30 - 40 kV. The boiler shall not be operated if the dry ESP first stage voltage is below 30 kV. Maintenance or servicing shall be performed to correct the first stage operating voltage before operation of the boiler and dry ESP is resumed.
- iii. The dry ESP second stage voltage shall be maintained in the range of 40 - 55 kV. The boiler shall not be operated if the dry ESP second stage voltage is below 40 kV. Maintenance or servicing shall be performed to correct the second stage operating voltage before operation of the boiler and dry ESP is resumed.

b. Veneer Dryer Wet ESP

- i. The wet ESP, provided for under Special Condition A.1.d shall be operated at all times during operation of the dryer, provided for under Special Condition A.1.c. The permittee shall not operate the dryer if a problem affecting PM control efficiency of the wet ESP is observed or apparent at any time. The permittee shall investigate and correct the problem before resuming dryer operation.
- ii. The wet ESP voltage shall be maintained in the range of 30-55 kV. The dryer shall not be operated if the wet ESP voltage is below 30 kV. Maintenance or servicing shall be performed to correct the wet ESP operating voltage before operation of the dryer and wet ESP is resumed.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-90)

3. Fugitive Dust and Emissions

- a. The permittee shall take measures to control fugitive dust (e.g., wet suppression, enclosures, dust screens, etc.) at material transfer points, stockpiles, and throughout the facility. The Department of Health may at any time require the permittee to further abate fugitive dust emissions if an inspection indicates poor or insufficient control.
- b. The permittee shall not cause or permit fugitive dust to become airborne without taking reasonable precautions and shall not cause or permit the discharge of visible emissions of fugitive dust beyond the lot line of the property boundary on which the emissions originate.

(Auth.: HAR §11-60.1-3, §11-60.1-33, §11-60.1-90)

4. Plant Maintenance

The O'okala Veneer Mill, including all equipment provided for under Special Condition A.1,

shall be maintained in good operating condition at all times with scheduled inspections and maintenance as recommended by the manufacturer, or as needed.  
(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-90)

**Section E. Monitoring and Recordkeeping Requirements**

1. Records

All records, including support information, shall be maintained for at least five (5) years from the date of the monitoring sample, measurement, test, report, or application. Support information includes all maintenance, inspection, calibration, and repair records, and copies of all reports required by this permit. These records shall be true, accurate, maintained in a permanent form suitable for inspection and made available to the Department of Health or its representative upon request.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-11, §11-60.1-90)

2. Boiler

a. Daily Records on Fuel Usage and Steam Load

The permittee shall record and maintain daily records on the boiler, provided for under Special Condition A.1.a. Records shall include:

- i. Calendar date;
- ii. Number of hours that the boiler was operated each day;
- iii. Hourly steam load; and
- iv. Amount of each type of fuel (including wood fuel, fuel oil no. 2, and biodiesel) combusted each day in the boiler.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-11, §11-60.1-90; 40 CFR §60.46b(p))<sup>1</sup>

b. Annual Capacity Factor

- i. Annual capacity factor is defined as the ratio between the actual heat input to the boiler from a particular fuel during a calendar year and the potential heat input to the steam generating unit had the boiler been operated for 8,760 hours during a calendar year at its maximum steady state design heat input capacity.
- ii. The annual capacity factor shall be calculated for wood fuel and for fuel oil no. 2. The annual capacity factor shall be determined on a 12-month rolling average basis with a new annual capacity factor calculated at the end of each calendar month for each of the two fuels.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-11, §11-60.1-90; 40 CFR §60.46b(d))<sup>1</sup>

c. Wood Fuel

Records on the total pounds (or tons) of wood fuel combusted shall be maintained on a daily, monthly, and annual basis to determine the annual capacity factor and to report on annual emissions.

d. Fuel Meters

The permittee shall install, operate, and maintain non-resetting fuel meters on the boiler, provided for under Special Condition A.1.a, record meter readings, and determine the number of gallons of fuel oil no. 2 and of biodiesel fired in the boiler. Records shall include:

- i. Date of meter reading;
- ii. Time of meter reading;
- iii. Reading at the beginning of each day;
- iv. Total gallons of fuel oil no. 2 used each day and each month; and
- v. Total gallons of fuel oil no. 2 used on a rolling 12-month basis.

Records on the gallons of fuel oil no. 2 used shall be used to determine compliance with Special Condition D.1.d.i, to determine the annual capacity factor, and to report on annual emissions. Records on the gallons of biodiesel used shall be used to report on annual emissions.

e. Fuel Oil No. 2 and Biodiesel Purchase Receipts

- i. Fuel oil no. 2 purchase receipts, showing the fuel type, sulfur and nitrogen contents (percentages by weight) of the fuel oil no. 2, delivery date, and amount of fuel (gallons) delivered to the site for use in the boiler shall be maintained. Fuel sulfur and nitrogen contents may be demonstrated by providing the supplier's fuel specification sheet for the type of fuel purchased and received if sulfur and nitrogen contents are not indicated on the purchase receipts.
- ii. Biodiesel purchase receipts, showing the supplier, delivery date, and amount of fuel (gallons) delivered to the site for use in the boiler shall be maintained along with any biodiesel laboratory analyses or data on biodiesel constituents and properties.

f. Vendors or Sources of Wood Fuel

Records shall be maintained on vendors or sources furnishing wood fuel for use in the boiler, provided for under Special Condition A.1.a. Records shall include:

- i. Date that wood fuel for the boiler is delivered to the facility;
- ii. Name of the vendor or source; and
- iii. Amount of wood fuel (pounds or tons).

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-11, §11-60.1-90)

3. ESP Voltages

- a. The voltages of the two stages of the dry ESP, provided for under Special Condition D.2.a, and the voltage of the wet ESP, provided for under Special Condition D.2.b, shall be checked routinely, or at least once per day when the facility is operating, to ensure effective collection of PM is occurring and to determine whether maintenance is required pursuant to Special Condition D.4.
- b. Written records shall be maintained on the operating voltages of the two stages of the dry ESP and the wet ESP each day.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-11, §11-60.1-90)

4. Inspection, Maintenance, and Repair Log

The permittee shall maintain records on equipment inspections, maintenance, and repair work performed on the O'okala Veneer Mill, as provided for under Special Condition A.1, focusing in particular, on inspections, maintenance, and repair work that affect air pollutant emissions. Records shall include:

- a. Date that the inspection, maintenance, or repair work was performed;
- b. A description of the findings and any work performed on the equipment covered by this permit, including the parts inspected and repaired; and
- c. Name and title of personnel performing the inspection or work.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

5. Boiler and Veneer Dryer Visible Emissions (V.E.)

a. V.E. Observations

For monthly and annual V.E. observations, two consecutive sets of observations shall be recorded. Each set shall last six minutes in duration and consist of twenty-four (24) readings taken at fifteen (15) second intervals. Records shall be completed and maintained in accordance with the enclosed "Visible Emissions Form Requirements."

b. Annual Observations

Annual V.E. observations shall be conducted by a certified reader in accordance with 40 CFR Part 60, Appendix A, Method 9.

c. Monthly Observations

Monthly V.E. observations shall be conducted in accordance with 40 CFR Part 60, Appendix A, Method 9, or by using the Ringelmann Chart provided. Monthly observations need not be conducted by a certified reader.

d. Boiler and Veneer Dryer

- i. The permittee shall conduct **annual** (*calendar year*) V.E. observations of the boiler and veneer dryer, provided for under Special Conditions A.1.a and A.1.c, in accordance with Special Conditions E.5.a and E.5.b.
- ii. Except in those months where annual V.E. observations of the boiler and dryer are conducted, the permittee shall conduct **monthly** (*calendar month*) V.E. observations in accordance with Special Conditions E.5.a and E.5.c.
- iii. When conducting V.E. observations of the boiler and dryer, the distance between the observer and the boiler shall be at least three (3) stack heights, but not more than 402 meters (0.25 miles).
- iv. Upon written request and justification by the permittee, the Department of Health may waive the requirement for the **annual** V.E. observations of the boiler and dryer. The waiver request shall be submitted prior to the required annual V.E. observations and must include documentation justifying such action. Documentation should include, but is not limited to, the results of the prior V.E. observations indicating compliance by a wide margin, documentation of continuing compliance, and documentation that boiler operation has not changed since the previous **annual** V.E. observations. Please note that if the annual V.E. observations requirement is waived, monthly V.E. observations must still be performed in accordance with Special Condition E.5.c.

(Auth.: HAR §11-60.1-3, §11-60.1-5 §11-60.1-11, §11-60.1-90))

6. Performance Test

An initial source performance test for the boiler, provided for under Special Condition A.1.a, as well as annual source performance tests, thereafter, shall be conducted pursuant to Section G. Records of test plans, summaries and results shall be maintained.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90)

**Section F. Notification and Reporting Requirements**

1. Notification and reporting pertaining to the following events shall be done in accordance with Attachment I, Standard Conditions Nos. 14, 16, 17 and 25, respectively:
  - a. *Anticipated date of initial start-up of the O'okala Veneer Mill, and its actual start-up*

date;

- b. *Intent to shut down air pollution control equipment for necessary scheduled maintenance;*
- c. *Emissions of air pollutants in violation of HAR, Chapter 11-60.1 or this permit (excluding technology-based emission exceedances due to emergencies); and*
- d. *Permanent discontinuance of construction, modification, relocation, or operation of the facility covered by this permit.*

(Auth.: HAR §11-60.1-8, §11-60.1-15, §11-60.1-16, §11-60.1-90; SIP §11-60-10, §11-60-16)<sup>2</sup>

## 2. Certification of Stack Height

Within **thirty (30) days** after installation of the boiler, provided for under Special Condition A.1.a, the permittee shall provide the Department of Health with a certification of the final stack height, indicating the date on which stack construction was completed.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-11, §11-60.1-90)

## 3. Deviations

The permittee shall report in writing **within five (5) working days** any deviations from the permit requirements, including those attributable to upset conditions, the probable cause of such deviations and any corrective actions or preventative measures taken. Corrective actions may include a requirement for additional source testing, more frequent monitoring, or the implementation of a corrective action plan.

(Auth.: HAR §11-60.1-3, §11-60.1-15, §11-60.1-16, §11-60.1-90)

## 4. Performance Testing

- a. At least **thirty (30) days prior** to conducting a source performance test pursuant to Section G, the permittee shall submit a written performance test plan to the Department of Health in accordance with Special Condition G.5.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90; 40 CFR §60.8, SIP §11-60-15)<sup>1,2</sup>

- b. Written reports of the results of the source performance tests conducted to demonstrate compliance shall be submitted to the Department of Health **within sixty (60) days** after the completion of the performance test, and shall be in conformance with Special Condition G.8.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90, §11-60.1-161; 40 CFR § 60.49b)<sup>1</sup>

## 5. Monitoring Report Forms

The permittee shall submit **semi-annually** the following reports to the Department of Health. The reports shall be submitted **within sixty (60) days** after the end of each semi-annual calendar period (January 1 - June 30 and July 1 - December 31).

- a. For the *Monitoring Report: Boiler Fuel and ESP Voltage*, report on:
  - i. Gallons of fuel oil no. 2 fired in the boiler each month and each rolling 12-month period;
  - ii. Sulfur and nitrogen contents (percent by weight) of the fuel oil no. 2 fired in the boiler during the reporting period;
  - iii. Any instances where treated wood (e.g., painted or chemically treated wood) was fired in the boiler. If no such instances occurred, state so on the report; and
  - iv. Any instances where ESP operating voltages were below the normal range. If there were no such incidents, state so on the report.
- b. For the *Monitoring Report: Opacity Exceedances*, report on:
  - i. Date of exceedance;
  - ii. Six (6) minute average opacity reading;
  - iii. Possible reason for exceedance;
  - iv. Duration of exceedance; and
  - v. Corrective actions taken. If there were no exceedances, state so on the report.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

## 6. Annual Emissions Reports

As required by Attachment IV and in conjunction with the requirements of Attachment III, Annual Fee Requirements, the permittee shall report **annually** the total tons per year emitted of each regulated air pollutant, including any hazardous air pollutants. The reporting of annual emissions is due **within sixty (60) days following the end of each calendar year**. Upon the written request of the permittee, the deadline for reporting of annual emissions may be extended, if the Department of Health determines that reasonable justification exists for the extension. The permittee shall submit **annually** the *Annual Emissions Report Form: Fuel and Production* to the Department of Health.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

## 7. Compliance Certification Form

During the permit term, the permittee shall submit at least **annually** to the Department of Health and U.S. EPA Region 9, the enclosed compliance certification form pursuant to HAR, Subsection 11-60.1-86. The permittee shall indicate whether or not compliance is being met with each term or condition of this permit. The compliance certification shall include, at a minimum, the following information:

- a. Identification of each permit term or condition that is the basis of the certification;
- b. The compliance status;
- c. Whether compliance was continuous or intermittent;
- d. The methods used for determining the compliance status of the source currently and over the reporting period;
- e. Any additional information indicating the source's compliance status with any applicable enhanced monitoring and compliance certification including the requirements of Section 114(a) (3) of the Clean Air Act or any applicable monitoring and analysis provisions of Section 504(b) of the Clean air Act; and
- f. Any additional information as required by the Department of Health including information to determine compliance.

The compliance certification shall be submitted **within ninety (90) days after** the end of each calendar year, and shall be signed and dated by a responsible official or authorized representative.

Upon written request of the permittee, the deadline for submitting the compliance certification may be extended, if the Department of Health determines that reasonable justification exists for the extension.

(Auth.: HAR §11-60.1-4, §11-60.1-86, §11-60.1-90)

### **Section G. Boiler Testing Requirements**

#### 1. Performance Testing

Within **sixty (60) days** after achieving the maximum production rate of the boiler, provided for under Special Condition A.1.a, but not later than **one hundred eighty (180) days** after initial start-up of the boiler, and annually thereafter, the permittee shall conduct, or cause to be conducted, performance tests on the boiler to determine the emission rates of CO, NO<sub>x</sub> (as NO<sub>2</sub>), PM, HCl, and opacity of visible emissions for the purpose of determining compliance with the emission limits provided for under Special Condition C.1.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90; §11-60.1-161, 40 CFR §60.8 & §60.46b)<sup>1</sup>

#### 2. Test Methods

- a. Performance tests for CO, NO<sub>x</sub>, PM, and HCl emissions and for the opacity of visible emissions shall be conducted and the results reported in accordance with test methods set forth in 40 CFR 60, Part 60.8 and Appendix A, or U.S. EPA approved equivalent methods.
- b. Performance tests for CO emissions shall be conducted using EPA Methods 1-4 and 10.

- c. Performance tests for NO<sub>x</sub> emissions shall be conducted using EPA Methods 1-4 and Method 7 or 19.
- d. Performance tests for PM emissions shall be conducted as provided under Special Condition G.3.
- e. Performance tests for HCl emissions shall be conducted using EPA Methods 1-4 and Method 26 or 26A.
- f. Performance tests for determining the opacity of stack emissions shall be conducted using EPA Method 9.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90; §11-60.1-161, 40 CFR §60.8 & §60.46b)<sup>1</sup>

### 3. PM Performance Tests

- a. Method 1 shall be used for sample and velocity traverse.
  - i. Method 1 shall be used to select the sampling site and the number of traverse sampling points. The sampling time for each run shall be at least 120 minutes and the minimum sampling volume shall be 1.7 dscm (60 dscf) except that smaller sampling times or volumes may be approved by the Department of Health when necessitated by process variables or other factors.
  - ii. Note that Method 1 cannot be used under the following conditions:
    - (1) Cyclonic or swirling gas flow at the sampling location;
    - (2) Stack duct with a diameter less than 12 inches or a cross-sectional area less than 113 square inches; and
    - (3) Sampling location less than two stack or duct diameters downstream or less than a half diameter upstream from a flow disturbance.
- b. Method 2 for shall be used for velocity and volumetric flow rate.
- c. Method 3 shall be used for gas analysis, and Method 3B shall be used for gas analysis when applying Method 5.
- d. Method 4 shall be used for moisture content of stack gases.
- e. Method 5 shall be used for PM concentration and moisture content.
  - i. For Method 5, the temperature of the sample gas in the probe and filter holder shall be monitored and maintained at 160, plus or minus 14°C (320 plus or minus 25°F).
  - ii. The sampling time for each run shall be at least sixty (60) minutes and the minimum sample volume shall be at least thirty (30) dry cubic feet at standard

conditions (dscf).

- iii. The oxygen or carbon dioxide sample shall be obtained simultaneously with each run of Method 5, by traversing the duct at the same sampling location.
- iv. Particulate emissions for Method 5 shall be reported in two (2) categories:
  - (1) Front half (filter and probe); and
  - (2) Front and back half (probe, filter, and impingers). When conducting back half clean-up, all connectors and tubing of the back half sampling train up to and including the first impinger shall be properly rinsed. All rinses shall be included in the analysis for back half.
- v. For each Method 5 run, the emission rate expressed in nanograms per joule heat input shall be determined using:
  - (1) The oxygen or carbon dioxide measurements and PM measurements obtained under 40 §CFR 60.46b;
  - (2) The dry basis F factor, and
  - (3) The dry basis emission rate calculation procedure contained in Method 19.
- f. The performance test shall consist of three (3) separate runs using the applicable test method. For the purpose of determining compliance with the permit requirements, the arithmetic mean of the results from the three (3) runs shall apply. For each test run, the following operating parameters shall be recorded and reported:
  - i. Wood fuel feed rate measured in tons per hour;
  - ii. Boiler steam rate in pounds per hour; and
  - iii. First and second stage voltage readings for the dry ESP servicing the boiler.
- g. For each run, the PM emission rate shall be determined by the equation pounds/hour =  $Q_s \times c_s$ , where  $Q_s$  = volumetric flow rate of the total effluent in dscf/hour, as determined in accordance with Method 2, and  $c_s$  = concentration of PM in pounds/dscf, as determined in accordance with Method 5.
- h. Any deviations from these conditions, test methods, or procedures may be cause for rejection of the test results unless the deviations are approved by the Department of Health before the tests.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90; §11-60.1-161, 40 CFR Appendix A, §60.8)<sup>1</sup>

#### 4. Test Expense and Monitoring

The performance tests shall be made at the expense of the permittee and shall be conducted at the maximum expected operating capacity of the boiler, provided for under Special Condition A.1.a. All performance tests may be monitored by the Department of

Health.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90)

5. Test Plan

**At least thirty (30) days prior** to conducting a performance test, the permittee shall submit a written performance test plan to the Department of Health and U.S. EPA, Region 9 that includes test dates and duration, test locations, test methods, source operation, and other parameters that may affect the test results. Such a plan shall conform to U.S. EPA guidelines including quality assurance procedures. A test plan or quality assurance plan that does not have the approval of the Department of Health may be grounds to invalidate any test and require a retest.

(Auth.: HAR §11-60.1-3, §11-60.1-90; CFR 60.8)<sup>1</sup>

6. Test Scheduling

If, after **thirty (30) days** notice for an initially scheduled performance test, there is a delay (due to operational problems, etc.) in conducting the scheduled performance test, the permittee shall submit a notice to the Department of Health at least **seven (7) days** prior to any rescheduled performance test.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90; 40 CFR §60.8)<sup>1</sup>

7. Test Deviations

Any deviations from these conditions, test methods, or procedures may be cause for rejection of the test results unless such deviations are approved by the Department of Health before the tests.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90)

8. Test Report

Within **sixty (60) days** after completion of a performance test, the permittee shall submit to the Department of Health and U.S. EPA, Region 9 the test report which shall include the operating conditions of the facility at the time of the test, the summarized test results, a comparison of test results to permit emission limits, pertinent support calculations, and field and laboratory data. The results shall be recorded and reported in accordance with 40 CFR Part 60 Appendix A and §60.8.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90)

9. Test Waiver

Upon written request and justification, the Department of Health may waive the requirement

for, or a portion of, a specific source performance test. The waiver request is to be submitted prior to the required test and must include documentation justifying such action. Documentation should include, but is not limited to, the results of the prior performance test indicating compliance by a wide margin, documentation of continuing compliance, and further that operations of the source have not changed since the previous source test.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

#### **Section H. Agency Notification**

Any document (including reports) that is required to be submitted by this covered source permit shall be done in accordance with Attachment I, Standard Condition 28.

(Auth.: HAR §11-60.1-4, §11-60.1-90)

---

<sup>1</sup>The citations to the Code of Federal Regulations (CFR) identified under a particular condition, indicate that the permit condition complies with the specified provision(s) of the CFR. Due to the integration of the preconstruction and operating permit requirements, permit conditions may incorporate more stringent requirements than those set forth in the CFR.

<sup>2</sup>The citations to the State Implementation Plan (SIP) identified under a particular condition, indicate that the permit condition complies with the specified provision(s) of the SIP.

**ATTACHMENT II - INSIG  
SPECIAL CONDITIONS - INSIGNIFICANT ACTIVITIES  
COVERED SOURCE PERMIT NO. 0625-01-C**

**Issuance Date:**

**Expiration Date:**

In addition to the Standard Conditions of the Covered Source Permit, the following Special Conditions shall apply to the permitted facility:

**Section A. Equipment Description**

This attachment encompasses insignificant activities listed in HAR, §11-60.1-82(f) and (g) for which provisions of this permit and HAR, Subchapter 2, General Prohibitions, apply.

(Auth.: HAR §11-60.1-3)

**Section B. Operational Limitations**

1. The permittee shall take measures to operate applicable insignificant activities in accordance with the provisions of HAR, Subchapter 2 for visible emissions, fugitive dust, incineration, process industries, sulfur oxides from fuel combustion, storage of volatile organic compounds, volatile organic compound water separation, pump and compressor requirements, and waste gas disposal.

(Auth.: HAR §11-60.1-3, §11-60.1-82, §11-60.1-90)

2. The Department of Health may at any time require the permittee to further abate emissions if an inspection indicates poor or insufficient controls.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-82, §11-60.1-90)

**Section C. Monitoring and Recordkeeping Requirements**

1. The Department of Health reserves the right to require monitoring, recordkeeping, or testing of any insignificant activity to determine compliance with the applicable requirements.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

2. All records shall be maintained for at least five (5) years from the date of any required monitoring, recordkeeping, testing, or reporting. These records shall be true, accurate, and maintained in a permanent form suitable for inspection and made available to the Department of Health or its authorized representative upon request.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90)

#### **Section D. Notification and Reporting**

##### Compliance Certification

During the permit term, the permittee shall submit at least **annually** to the Department of Health and U.S. EPA Region 9, the attached *Compliance Certification Form* pursuant to HAR, Subsection 11-60.1-86. The permittee shall indicate whether or not compliance is being met with each term or condition of this permit. The compliance certification shall include, at a minimum, the following information:

1. The identification of each term or condition of the permit that is the basis of the certification;
2. The compliance status;
3. Whether compliance was continuous or intermittent;
4. The methods used for determining the compliance status of the source currently and over the reporting period;
5. Any additional information indicating the source's compliance status with any applicable enhanced monitoring and compliance certification including the requirements of Section 114(a)(3) of the Clean Air Act or any applicable monitoring and analysis provisions of Section 504(b) of the Clean Air Act; and
6. Any additional information as required by the Department of Health including information to determine compliance.

The compliance certification shall be submitted **within ninety (90) days** after the end of each calendar year, and shall be signed and dated by a responsible official.

Upon written request of the permittee, the deadline for submitting the compliance certification may be extended, if the Department of Health determines that reasonable justification exists for the extension.

In lieu of addressing each emission unit as specified in *Compliance Certification Form*, the permittee may address insignificant activities as a single unit provided compliance is met with all applicable requirements. If compliance is not totally attained, the permittee shall identify the specific insignificant activity and provide the details associated with the noncompliance.

(Auth.: HAR §11-60.1-4, §11-60.1-86, §11-60.1-90)

CSP No. 0625-01-C  
Attachment II - INSIG  
Page 3 of 3  
Issuance Date:  
Expiration Date:

**DRAFT**

**Section E. Agency Notification**

Any document (including reports) required to be submitted by this Covered Source Permit shall be done in accordance with Attachment I, Standard Condition No. 28.

(Auth.: HAR §11-60.1-4, §11-60.1-90)

**ATTACHMENT III: ANNUAL FEE REQUIREMENTS  
COVERED SOURCE PERMIT NO. 0625-01-C**

**Issuance Date:**

**Expiration Date:**

The following requirements for the submittal of annual fees are established pursuant to Hawaii Administrative Rules (HAR), Title 11, Chapter 60.1, Air Pollution Control. Should HAR, Chapter 60.1 be revised such that the following requirements are in conflict with the provisions of HAR, Chapter 60.1, the permittee shall comply with the provisions of HAR, Chapter 60.1:

1. Annual fees shall be paid in full:
  - a. Within **sixty (60) days** after the end of each calendar year; and
  - b. Within **thirty (30) days** after the permanent discontinuance of the covered source.
2. The annual fees shall be determined and submitted in accordance with Hawaii Administrative Rules, Chapter 11-60.1, Subchapter 6.
3. The annual emissions data for which the annual fees are based shall accompany the submittal of any annual fees and be submitted on forms furnished by the Department of Health.
4. The annual fees and the emission data shall be mailed to:

**Clean Air Branch  
Environmental Management Division  
Hawaii Department of Health  
P. O. Box 3378  
Honolulu, HI 96801-3378**

**ATTACHMENT IV: ANNUAL EMISSIONS REPORTING REQUIREMENTS  
COVERED SOURCE PERMIT NO. 0625-01-C**

**Issuance Date:**

**Expiration Date:**

In accordance with the Hawaii Administrative Rules, Title 11, Chapter 60.1, Air Pollution Control, the permittee shall report to the Department of Health the nature and amounts of emissions.

1. Complete the attached form(s):

[Annual Emissions Report Form: Crushing Plant](#)

[Monitoring/Annual Emissions Report Form: Fuel Certification - Diesel Engine](#)

2. The reporting period shall be from January 1 to December 31 of each year. All reports shall be submitted to the Department of Health within **sixty (60) days** after the end of each calendar year and shall be mailed to the following address:

**Clean Air Branch  
Environmental Management Division  
Hawaii Department of Health  
P. O. Box 3378  
Honolulu, HI 96801-3378**

3. The permittee shall retain the information submitted, including all emission calculations. These records shall be in a permanent form suitable for inspection, retained for a minimum of five (5) years, and made available to the Department of Health upon request.
4. Any information submitted to the Department of Health without a request for confidentiality shall be considered public record.
5. In accordance with HAR, Section 11-60.1-14, the permittee may request confidential treatment of specific information, including information concerning secret processes or methods of manufacture, by submitting a written request to the Director and clearly identifying the specific information that is to be accorded confidential treatment.

**COMPLIANCE CERTIFICATION FORM  
COVERED SOURCE PERMIT NO. 0625-01-C  
PAGE 1 OF \_\_\_\_**

**Issuance Date:** \_\_\_\_\_

**Expiration Date:** \_\_\_\_\_

In accordance with the Hawaii Administrative Rules, Title 11, Chapter 60.1, Air Pollution Control, the permittee shall report to the Department of Health the following certification at least annually, or more frequently as requested by the Department.

(Make Copies of the Compliance Certification Form for Future Use)

For Period: \_\_\_\_\_ Date: \_\_\_\_\_

Company/Facility Name: \_\_\_\_\_

Responsible Official (Print): \_\_\_\_\_

Title: \_\_\_\_\_

Responsible Official (Signature): \_\_\_\_\_

I certify that I have knowledge of the facts herein set forth, that the same are true, accurate and complete to the best of my knowledge and belief, and that all information not identified by me as confidential in nature shall be treated by Department of Health as public record. I further state that I will assume responsibility for the construction, modification, or operation of the source in accordance with the Hawaii Administrative Rules, Title 11, Chapter 60.1, Air Pollution Control, and any permit issued thereof.

**COMPLIANCE CERTIFICATION FORM  
COVERED SOURCE PERMIT NO. 0625-01-C  
(CONTINUED, PAGE 2 OF \_\_\_)**

**Issuance Date:**

**Expiration Date:**

The purpose of this form is to evaluate whether or not the facility was in compliance with the permit terms and conditions during the covered period. If there were any deviations to the permit terms and conditions during the covered period, the deviation(s) shall be certified as *intermittent compliance* for the particular permit term(s) or condition(s). Deviations include failure to monitor, record, report, or collect the minimum data required by the permit to show compliance. In the absence of any deviation, the particular permit term(s) or condition(s) may be certified as *continuous compliance*.

**Instructions:**

Please certify Sections A, B, and C below for continuous or intermittent compliance. Sections A and B are to be certified as a group of permit conditions. Section C shall be certified individually for each operational and emissions limit condition as listed in the Special Conditions section of the permit (list all applicable equipment for each condition). Any deviations shall also be listed individually and described in Section D. The facility may substitute its own generated form in verbatim for Sections C and D.

**1. A. Attachment I, Standard Conditions**

<u>Permit term/condition</u>	<u>Equipment(s)</u>	<u>Compliance</u>
All standard conditions	All Equipment(s) listed in the permit	Continuous Intermittent

**B. Special Conditions - Monitoring, Recordkeeping, Reporting, Testing, and INSIG**

<u>Permit term/condition</u>	<u>Equipment(s)</u>	<u>Compliance</u>
All monitoring conditions	All Equipment(s) listed in the permit	Continuous Intermittent
All recordkeeping conditions	All Equipment(s) listed in the permit	Continuous Intermittent
All reporting conditions	All Equipment(s) listed in the permit	Continuous Intermittent
All testing conditions	All Equipment(s) listed in the permit	Continuous Intermittent
All INSIG conditions	All Equipment(s) listed in the permit	Continuous Intermittent

**COMPLIANCE CERTIFICATION FORM  
COVERED SOURCE PERMIT NO. 0625-01-C  
(CONTINUED, PAGE \_\_\_\_ OF \_\_\_\_)**

**Issuance Date:**

**Expiration Date:**

**C. Special Conditions - Operational and Emissions Limitations**

Each permit term/condition shall be identified in chronological order using attachment and section numbers (e.g., Attachment II, B.1, Attachment IIA, Special Condition No. B.1.f, etc.).

Each equipment shall be identified using the description stated in Section A of the Special Conditions (e.g., unit no., model no., serial no., etc.). Check all methods (as required by permit) used to determine the compliance status of the respective permit term/condition.

<u>Permit term/condition</u>	<u>Equipment(s)</u>	<u>Method</u>	<u>Compliance</u>
		monitoring recordkeeping reporting testing none of the above	Continuous Intermittent
		monitoring recordkeeping reporting testing none of the above	Continuous Intermittent
		monitoring recordkeeping reporting testing none of the above	Continuous Intermittent
		monitoring recordkeeping reporting testing none of the above	Continuous Intermittent
		monitoring recordkeeping reporting testing none of the above	Continuous Intermittent
		monitoring recordkeeping reporting testing none of the above	Continuous Intermittent
		monitoring recordkeeping reporting testing none of the above	Continuous Intermittent

**(Make Additional Copies if Needed)**

**COMPLIANCE CERTIFICATION FORM  
COVERED SOURCE PERMIT NO. 0625-01-C  
(CONTINUED, PAGE \_\_\_ OF \_\_\_)**

**Issuance Date:**

**Expiration Date:**

**D. Deviations**

<u>Permit Term/ Condition</u>	<u>Equipment(s) / Brief Summary of Deviation</u>	<u>Deviation Period time (am/pm) &amp; date (mo/day/yr)</u>	<u>Date of Written Deviation Report to DOH (mo/day/yr)</u>
		Beginning:  Ending:	
		Beginning:  Ending:	
		Beginning:  Ending:	
		Beginning:  Ending:	
		Beginning:  Ending:	
		Beginning:  Ending:	
		Beginning:  Ending:	

**(Make Additional Copies if Needed)**

**ANNUAL EMISSIONS REPORT FORM: FUEL AND PRODUCTION  
COVERED SOURCE PERMIT NO. 0625-01-C**

**Issuance Date:** \_\_\_\_\_

**Expiration Date:** \_\_\_\_\_

In accordance with the Hawaii Administrative Rules, Title 11, Chapter 60.1, Air Pollution Control, the permittee shall report to the Department of Health the nature and amounts of emissions.

(Make Copies for Future Use)

For Period: \_\_\_\_\_ Date: \_\_\_\_\_

Facility: **Tradewinds, Forest Products, LLC - O'okala Veneer Mill**

**132.4 MMBTU/hr boiler manufactured by Factory, Sales, and Engineering, Inc.**

I certify that I have knowledge of the facts herein set forth, that the same are true, accurate, and complete to the best of my knowledge and belief, and that all information not identified by me as confidential in nature shall be treated by the Department of Health as public record.

Responsible Official (print): \_\_\_\_\_ Title: \_\_\_\_\_

Responsible Official (signature): \_\_\_\_\_

**Fuel Usage and Annual Capacity Factor:** In Table 1, report on the quantity of each fuel used by the boiler and on the annual capacity factor for wood fuel and fuel oil no. 2.

<b>Table 1: Boiler Fuel Usage and Annual Capacity Factor</b>		
<b>Fuel</b>	<b>Annual Usage</b>	<b>Annual Capacity Factor</b>
Wood	(tons)	
Biodiesel	(gallons)	N/A
Fuel Oil No. 2	(gallons)	

**Veneer Sheet Annual Production:** In Table 2, report on the quantity of veneer sheets produced during the calendar year.

<b>Table 2: Veneer Sheet Annual Production (Msf, 3/8" basis)</b>	
Veneer Sheets (Msf, 3/8" basis)	

**MONITORING REPORT FORM: BOILER FUEL AND ESP VOLTAGE  
COVERED SOURCE PERMIT NO. 0625-01-C  
(PAGE 1 OF 2)**

**Issuance Date:** \_\_\_\_\_

**Expiration Date:** \_\_\_\_\_

In accordance with the Hawaii Administrative Rules, Title 11, Chapter 60.1, Air Pollution Control, the permittee shall report to the Department of Health the following information, semi-annually.

(Make Copies for Future Use)

For Period: \_\_\_\_\_ Date: \_\_\_\_\_

Facility: **Tradewinds, Forest Products, LLC - O'okala Veneer Mill - 132.4 MMBTU/hr boiler**

I certify that I have knowledge of the facts herein set forth, that the same are true, accurate, and complete to the best of my knowledge and belief, and that all information not identified by me as confidential in nature shall be treated by the Department of Health as public record.

Responsible Official (Print): \_\_\_\_\_ Title: \_\_\_\_\_

Responsible Official (Signature): \_\_\_\_\_

**Fuel Usage:** In Table 1, report the gallons of fuel oil no. 2 fired in the boiler each month and each rolling 12-month period.

Table 1: Fuel Oil No. 2 Usage (gallons)					
Month	Monthly Basis	Rolling 12-Mo. Basis	Month	Monthly Basis	Rolling 12-Mo. Basis
Jan.			Jul.		
Feb.			Aug.		
Mar.			Sep.		
Apr.			Oct.		
May			Nov.		
Jun.			Dec.		

**Sulfur and Nitrogen Content:** In Table 2, report the highest sulfur and nitrogen content (percent by weight) of the fuel oil no. 2 used in the boiler for the reporting period.

Table 2: Fuel Oil No. 2 Constituents	
Constituent	Percent by Weight
Sulfur	

**DRAFT**

Nitrogen	
----------	--





**VISIBLE EMISSIONS FORM REQUIREMENTS  
STATE OF HAWAII  
COVERED SOURCE PERMIT NO. 0625-01-C**

**Issuance Date:**

**Expiration Date:**

The **Visible Emissions (V.E.) Form** shall be completed **monthly** (*each calendar month*) for each equipment subject to opacity limits in accordance with 40 CFR Part 60, Appendix A, Method 9 or use of a Ringelmann Chart as provided. At least **annually** (*calendar year*), V.E. observation shall be conducted for each equipment subject to opacity limits by a certified reader in accordance with Method 9. The V.E. Form shall be completed as follows:

1. Visible emissions observations shall take place during the day only and shall be compared to the Ringelmann Chart provided. The opacity shall be noted in five (5) percent increments (e.g., 25%).
2. Orient the sun within a 140 degree sector to your back. Provide a source layout sketch on the V.E. Form using the symbols as shown.
3. For V.E. observations of stacks, stand at least three (3) stack heights but not more than a quarter mile from the stack.
4. For V.E. observations of fugitive emissions from crushing and screening plants, stand at least 4.57 meters (15 feet) from the visible emissions source, but not more than a quarter mile from the visible emission source.
5. Two (2) consecutive six (6) minute observations shall be taken at fifteen (15) second intervals for each stack or emission point.
6. The six (6) minute average opacity reading shall be calculated for each observation.
7. If possible, the observations shall be performed as follows:
  - a. Read from where the line of sight is at right angles to the wind direction.
  - b. The line of sight shall not include more than one (1) plume at a time.
  - c. Read at the point in the plume with the greatest opacity (without condensed water vapor), ideally while the plume is no wider than the stack diameter.
  - d. Read the plume at fifteen (15) second intervals only. Do not read continuously.
  - e. The equipment shall be operating at the maximum permitted capacity.
8. If the equipment was shut-down for that period, briefly explain the reason for shut-down in the comment column.

The permittee shall retain the completed V.E. Forms for recordkeeping. These records shall be in a permanent form suitable for inspection, retained for a minimum of five years, and made available to the Department of Health, or their representative upon request.

Any required initial and annual performance test performed in accordance with Method 9 by a certified reader shall satisfy the respective equipment's V.E. monitoring requirements for the month the performance test is performed.

**VISIBLE EMISSIONS FORM  
COVERED SOURCE PERMIT NO. 0625-01-C**

**Issuance Date:** \_\_\_\_\_ **Expiration Date:** \_\_\_\_\_

(Make Copies for Future Use for Each Stack or Emission Point)

Company Name: \_\_\_\_\_

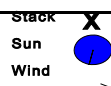
For stacks, describe equipment and fuel: \_\_\_\_\_

For fugitive emissions from crushers and screens, describe:

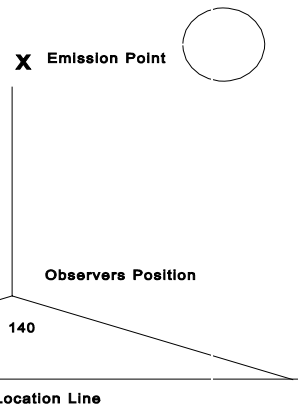
Fugitive emission point: \_\_\_\_\_

Plant Production (tons/hr): \_\_\_\_\_

(During observation)



Draw North Arrow



**Site Conditions:**

Emission point or stack height above ground (ft): \_\_\_\_\_

Emission point or stack distance from observer (ft): \_\_\_\_\_

Emission color (black or white): \_\_\_\_\_

Sky conditions (% cloud cover): \_\_\_\_\_

Wind speed (mph): \_\_\_\_\_

Temperature (°F): \_\_\_\_\_

Observer Name: \_\_\_\_\_

Certified? (Yes/No): \_\_\_\_\_

Observation Date and Start Time: \_\_\_\_\_

Method of observation (Ringelmann Chart or Method 9): \_\_\_\_\_

MINUTES	Seconds				COMMENTS
	0	15	30	45	
1					
2					
3					
4					
5					
6					
Six (6) Minute Average Opacity Reading (%):					

Observation Date and Start Time: \_\_\_\_\_

Method of observation (Ringelmann Chart or Method 9): \_\_\_\_\_

MINUTES	Seconds				COMMENTS
	0	15	30	45	
1					
2					
3					
4					
5					
6					
Six (6) Minute Average Opacity Reading (%):					