

West Virginia Department of Environmental Protection

Harold D. Ward

Cabinet Secretary

# Permit to Operate



Pursuant to

**Title V**

of the Clean Air Act

*Issued to:*

Columbia West Virginia Corporation

Craigsville Facility

R30-06700023-2023

*Laura M. Crowder*

Laura M. Crowder

Director, Division of Air Quality

*Issued: July 25, 2023 • Effective: August 08, 2023*  
*Expiration: July 25, 2028 • Renewal Application Due: January 25, 2028*

Permit Number: **R30-06700023-2023**  
Permittee: **Columbia West Virginia Corporation**  
Facility Name: **Craigsville Facility**  
Permittee Mailing Address: **P.O. Box 160, Craigsville, WV 26205**

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*This permit is issued in accordance with the West Virginia Air Pollution Control Act (West Virginia Code §§ 22-5-1 et seq.) and 45CSR30 — Requirements for Operating Permits. The permittee identified at the above-referenced facility is authorized to operate the stationary sources of air pollutants identified herein in accordance with all terms and conditions of this permit.*

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|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Facility Location:        | Craigsville, Nicholas County, West Virginia                                                                                                                                                                                     |
| Facility Mailing Address: | P.O. Box 160, Craigsville, WV 26205                                                                                                                                                                                             |
| Telephone Number:         | (304) 742-5317                                                                                                                                                                                                                  |
| Type of Business Entity:  | Corporation                                                                                                                                                                                                                     |
| Facility Description:     | The Craigsville Facility produces veneer and plywood from poplar veneer. The poplar veneer is dried on-site. Finishing operations include sawing and sanding, and the application of patching and filling compounds and resins. |
| SIC Codes:                | 2435                                                                                                                                                                                                                            |
| UTM Coordinates:          | 529.91 km Easting • 4,243.76 km Northing • Zone 17                                                                                                                                                                              |

Permit Writer: Sarah Barron

*Any person whose interest may be affected, including, but not necessarily limited to, the applicant and any person who participated in the public comment process, by a permit issued, modified or denied by the Secretary may appeal such action of the Secretary to the Air Quality Board pursuant to article one [§§ 22B-1-1 et seq.], Chapter 22B of the Code of West Virginia. West Virginia Code §22-5-14.*

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*Issuance of this Title V Operating Permit does not supersede or invalidate any existing permits under 45CSR13, 14 or 19, although all applicable requirements from such permits governing the facility's operation and compliance have been incorporated into the Title V Operating Permit.*

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## 1.0 Emission Units and Active R13, R14, and R19 Permits

### 1.1 Emission Units

| Emission Unit ID       | Emission Point ID               | Emission Unit Description               | Year Installed | Design Capacity                                                                                                 | Control Device |
|------------------------|---------------------------------|-----------------------------------------|----------------|-----------------------------------------------------------------------------------------------------------------|----------------|
| 1S                     | 1E                              | Waste Wood-Fired Boiler                 | 1992           | 98.7 mmBTU/hr                                                                                                   | Multiclone     |
| 2S                     | 2E                              | Waste Oil Burner                        | 1996           | 21,900 gal/yr<br>0.315 mmBTU/hr                                                                                 | None           |
| Dryer 1                | 3Ea, 3Eb, 3Ec,<br>3Ed, 3Ee, 3Ef | COE Model 72 Veneer Dryer               | 1992           | 21 MSF - $\frac{3}{8}$ " * per hour<br>220,000 MSF - $\frac{3}{8}$ " * per year<br>(Total for Dryers 1 and 2)   | None           |
| Dryer 2                | 4Ea, 4Eb, 4Ec,<br>4Ed, 4Ee, 4Ef | COE Model 72 Veneer Dryer               | 1992           | 16.5 MSF - $\frac{3}{8}$ " * per hour<br>220,000 MSF - $\frac{3}{8}$ " * per year<br>(Total for Dryers 1 and 2) | None           |
| P-VOC                  | 5E                              | Plywood Line                            | 2000           | 16.64 MSF - $\frac{3}{8}$ " * per hour                                                                          | None           |
| 6S                     | Fugitive                        | Log Steaming Vat                        | 1991           | 220,000 MSF - $\frac{3}{8}$ " * per year                                                                        | None           |
| 8S                     | Fugitive                        | Putty Line                              | 2000           | 1,500,000 lbs/yr                                                                                                | None           |
| P-SAW                  | E10                             | Plywood Sawing Operations               | --             | N/A                                                                                                             | BH1            |
| P-SAND                 | E11                             | Plywood Sanding Operations              | --             | N/A                                                                                                             | BH2            |
| FWP1                   | FWP1                            | Fire-Water Pump Emergency Diesel Engine | 1991           | 245 HP                                                                                                          | None           |
| <b>Control Devices</b> |                                 |                                         |                |                                                                                                                 |                |
| Multiclone             | 1E                              | Multiclone                              | 1991           | 37,500 ft <sup>3</sup> /min                                                                                     | N/A            |
| BH1                    | E10                             | Baghouse                                | 1997           | 41,282 ft <sup>3</sup> /min                                                                                     | N/A            |
| BH2                    | E11                             | Baghouse                                | 1999           | 22,089 ft <sup>3</sup> /min                                                                                     | N/A            |

\* MSF -  $\frac{3}{8}$ " – thousand square feet at panel thickness of  $\frac{3}{8}$ -inch.

### 1.2 Active R13, R14, and R19 Permits

The underlying authority for any conditions from R13, R14, and/or R19 permits contained in this operating permit is cited using the original permit number (e.g. R13-1234). The current applicable version of such permit(s) is listed below.

| Permit Number | Date of Issuance  |
|---------------|-------------------|
| R13-1361I     | November 10, 2021 |

## 2.0 General Conditions

### 2.1. Definitions

- 2.1.1. All references to the "West Virginia Air Pollution Control Act" or the "Air Pollution Control Act" mean those provisions contained in W.Va. Code §§ 22-5-1 to 22-5-18.
- 2.1.2. The "Clean Air Act" means those provisions contained in 42 U.S.C. §§ 7401 to 7671q, and regulations promulgated thereunder.
- 2.1.3. "Secretary" means the Secretary of the Department of Environmental Protection or other person to whom the Secretary has delegated authority or duties pursuant to W.Va. Code §§ 22-1-6 or 22-1-8 (45CSR§30-2.39.). The Director of the Division of Air Quality is the Secretary's designated representative for the purposes of this permit.
- 2.1.4. Unless otherwise specified in a permit condition or underlying rule or regulation, all references to a "rolling yearly total" shall mean the sum of the monthly data, values or parameters being measured, monitored, or recorded, at any given time for the previous twelve (12) consecutive calendar months.

### 2.2. Acronyms

|                                       |                                                           |                        |                                               |
|---------------------------------------|-----------------------------------------------------------|------------------------|-----------------------------------------------|
| <b>CAAA</b>                           | Clean Air Act Amendments                                  | <b>NSPS</b>            | New Source Performance                        |
| <b>CBI</b>                            | Confidential Business Information                         |                        | Standards                                     |
| <b>CEM</b>                            | Continuous Emission Monitor                               | <b>PM</b>              | Particulate Matter                            |
| <b>CES</b>                            | Certified Emission Statement                              | <b>PM<sub>10</sub></b> | Particulate Matter less than 10µm in diameter |
| <b>C.F.R. or CFR</b>                  | Code of Federal Regulations                               |                        |                                               |
| <b>CO</b>                             | Carbon Monoxide                                           | <b>pph</b>             | Pounds per Hour                               |
| <b>C.S.R. or CSR</b>                  | Codes of State Rules                                      | <b>ppm</b>             | Parts per Million                             |
| <b>DAQ</b>                            | Division of Air Quality                                   | <b>PSD</b>             | Prevention of Significant Deterioration       |
| <b>DEP</b>                            | Department of Environmental Protection                    | <b>psi</b>             | Pounds per Square Inch                        |
| <b>FOIA</b>                           | Freedom of Information Act                                | <b>SIC</b>             | Standard Industrial Classification            |
| <b>HAP</b>                            | Hazardous Air Pollutant                                   |                        |                                               |
| <b>HON</b>                            | Hazardous Organic NESHAP                                  | <b>SIP</b>             | State Implementation Plan                     |
| <b>HP</b>                             | Horsepower                                                | <b>SO<sub>2</sub></b>  | Sulfur Dioxide                                |
| <b>lbs/hr or lb/hr</b>                | Pounds per Hour                                           | <b>TAP</b>             | Toxic Air Pollutant                           |
| <b>LDAR</b>                           | Leak Detection and Repair                                 | <b>TPY</b>             | Tons per Year                                 |
| <b>m</b>                              | Thousand                                                  | <b>TRS</b>             | Total Reduced Sulfur                          |
| <b>MACT</b>                           | Maximum Achievable Control Technology                     | <b>TSP</b>             | Total Suspended Particulate                   |
| <b>mm</b>                             | Million                                                   | <b>USEPA</b>           | United States Environmental Protection Agency |
| <b>mmBtu/hr</b>                       | Million British Thermal Units per Hour                    | <b>UTM</b>             | Universal Transverse Mercator                 |
| <b>mmft<sup>3</sup>/hr or mmcf/hr</b> | Million Cubic Feet Burned per Hour                        | <b>VEE</b>             | Visual Emissions Evaluation                   |
| <b>NA or N/A</b>                      | Not Applicable                                            |                        |                                               |
| <b>NAAQS</b>                          | National Ambient Air Quality Standards                    | <b>VOC</b>             | Volatile Organic Compounds                    |
| <b>NESHAPS</b>                        | National Emissions Standards for Hazardous Air Pollutants |                        |                                               |
| <b>NO<sub>x</sub></b>                 | Nitrogen Oxides                                           |                        |                                               |

### **2.3. Permit Expiration and Renewal**

- 2.3.1. Permit duration. This permit is issued for a fixed term of five (5) years and shall expire on the date specified on the cover of this permit, except as provided in 45CSR§30-6.3.b. and 45CSR§30-6.3.c.  
**[45CSR§30-5.1.b.]**
- 2.3.2. A permit renewal application is timely if it is submitted at least six (6) months prior to the date of permit expiration.  
**[45CSR§30-4.1.a.3.]**
- 2.3.3. Permit expiration terminates the source's right to operate unless a timely and complete renewal application has been submitted consistent with 45CSR§30-6.2. and 45CSR§30-4.1.a.3.  
**[45CSR§30-6.3.b.]**
- 2.3.4. If the Secretary fails to take final action to deny or approve a timely and complete permit application before the end of the term of the previous permit, the permit shall not expire until the renewal permit has been issued or denied, and any permit shield granted for the permit shall continue in effect during that time.  
**[45CSR§30-6.3.c.]**

### **2.4. Permit Actions**

- 2.4.1. This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.  
**[45CSR§30-5.1.f.3.]**

### **2.5. Reopening for Cause**

- 2.5.1. This permit shall be reopened and revised under any of the following circumstances:
  - a. Additional applicable requirements under the Clean Air Act or the Secretary's legislative rules become applicable to a major source with a remaining permit term of three (3) or more years. Such a reopening shall be completed not later than eighteen (18) months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended pursuant to 45CSR§§30-6.6.a.1.A. or B.
  - b. Additional requirements (including excess emissions requirements) become applicable to an affected source under Title IV of the Clean Air Act (Acid Deposition Control) or other legislative rules of the Secretary. Upon approval by U.S. EPA, excess emissions offset plans shall be incorporated into the permit.
  - c. The Secretary or U.S. EPA determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.
  - d. The Secretary or U.S. EPA determines that the permit must be revised or revoked and reissued to assure compliance with the applicable requirements.

**[45CSR§30-6.6.a.]**

## **2.6. Administrative Permit Amendments**

- 2.6.1. The permittee may request an administrative permit amendment as defined in and according to the procedures specified in 45CSR§30-6.4.  
**[45CSR§30-6.4.]**

## **2.7. Minor Permit Modifications**

- 2.7.1. The permittee may request a minor permit modification as defined in and according to the procedures specified in 45CSR§30-6.5.a.  
**[45CSR§30-6.5.a.]**

## **2.8. Significant Permit Modification**

- 2.8.1. The permittee may request a significant permit modification, in accordance with 45CSR§30-6.5.b., for permit modifications that do not qualify for minor permit modifications or as administrative amendments.  
**[45CSR§30-6.5.b.]**

## **2.9. Emissions Trading**

- 2.9.1. No permit revision shall be required, under any approved economic incentives, marketable permits, emissions trading, and other similar programs or processes for changes that are provided for in the permit and that are in accordance with all applicable requirements.  
**[45CSR§30-5.1.h.]**

## **2.10. Off-Permit Changes**

- 2.10.1. Except as provided below, a facility may make any change in its operations or emissions that is not addressed nor prohibited in its permit and which is not considered to be construction nor modification under any rule promulgated by the Secretary without obtaining an amendment or modification of its permit. Such changes shall be subject to the following requirements and restrictions:
- a. The change must meet all applicable requirements and may not violate any existing permit term or condition.
  - b. The permittee must provide a written notice of the change to the Secretary and to U.S. EPA within two (2) business days following the date of the change. Such written notice shall describe each such change, including the date, any change in emissions, pollutants emitted, and any applicable requirement that would apply as a result of the change.
  - c. The change shall not qualify for the permit shield.
  - d. The permittee shall keep records describing all changes made at the source that result in emissions of regulated air pollutants, but not otherwise regulated under the permit, and the emissions resulting from those changes.
  - e. No permittee may make any change subject to any requirement under Title IV of the Clean Air Act (Acid Deposition Control) pursuant to the provisions of 45CSR§30-5.9.

- f. No permittee may make any changes which would require preconstruction review under any provision of Title I of the Clean Air Act (including 45CSR14 and 45CSR19) pursuant to the provisions of 45CSR§30-5.9.

**[45CSR§30-5.9.]**

**2.11. Operational Flexibility**

- 2.11.1. The permittee may make changes within the facility as provided by § 502(b)(10) of the Clean Air Act. Such operational flexibility shall be provided in the permit in conformance with the permit application and applicable requirements. No such changes shall be a modification under any rule or any provision of Title I of the Clean Air Act (including 45CSR14 and 45CSR19) promulgated by the Secretary in accordance with Title I of the Clean Air Act and the change shall not result in a level of emissions exceeding the emissions allowable under the permit.

**[45CSR§30-5.8]**

- 2.11.2. Before making a change under 45CSR§30-5.8., the permittee shall provide advance written notice to the Secretary and to U.S. EPA, describing the change to be made, the date on which the change will occur, any changes in emissions, and any permit terms and conditions that are affected. The permittee shall thereafter maintain a copy of the notice with the permit, and the Secretary shall place a copy with the permit in the public file. The written notice shall be provided to the Secretary and U.S. EPA at least seven (7) days prior to the date that the change is to be made, except that this period may be shortened or eliminated as necessary for a change that must be implemented more quickly to address unanticipated conditions posing a significant health, safety, or environmental hazard. If less than seven (7) days notice is provided because of a need to respond more quickly to such unanticipated conditions, the permittee shall provide notice to the Secretary and U.S. EPA as soon as possible after learning of the need to make the change.

**[45CSR§30-5.8.a.]**

- 2.11.3. The permit shield shall not apply to changes made under 45CSR§30-5.8., except those provided for in 45CSR§30-5.8.d. However, the protection of the permit shield will continue to apply to operations and emissions that are not affected by the change, provided that the permittee complies with the terms and conditions of the permit applicable to such operations and emissions. The permit shield may be reinstated for emissions and operations affected by the change:

- a. If subsequent changes cause the facility's operations and emissions to revert to those authorized in the permit and the permittee resumes compliance with the terms and conditions of the permit, or
- b. If the permittee obtains final approval of a significant modification to the permit to incorporate the change in the permit.

**[45CSR§30-5.8.c.]**

- 2.11.4. "Section 502(b)(10) changes" are changes that contravene an express permit term. Such changes do not include changes that would violate applicable requirements or contravene enforceable permit terms and conditions that are monitoring (including test methods), recordkeeping, reporting, or compliance certification requirements.

**[45CSR§30-2.40]**

## **2.12. Reasonably Anticipated Operating Scenarios**

- 2.12.1. The following are terms and conditions for reasonably anticipated operating scenarios identified in this permit.
- a. Contemporaneously with making a change from one operating scenario to another, the permittee shall record in a log at the permitted facility a record of the scenario under which it is operating and to document the change in reports submitted pursuant to the terms of this permit and 45CSR30.
  - b. The permit shield shall extend to all terms and conditions under each such operating scenario; and
  - c. The terms and conditions of each such alternative scenario shall meet all applicable requirements and the requirements of 45CSR30.

**[45CSR§30-5.1.i.]**

## **2.13. Duty to Comply**

- 2.13.1. The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the West Virginia Code and the Clean Air Act and is grounds for enforcement action by the Secretary or USEPA; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.

**[45CSR§30-5.1.f.1.]**

## **2.14. Inspection and Entry**

- 2.14.1. The permittee shall allow any authorized representative of the Secretary, upon the presentation of credentials and other documents as may be required by law, to perform the following:
- a. At all reasonable times (including all times in which the facility is in operation) enter upon the permittee's premises where a source is located or emissions related activity is conducted, or where records must be kept under the conditions of this permit;
  - b. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
  - c. Inspect at reasonable times (including all times in which the facility is in operation) any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit;
  - d. Sample or monitor at reasonable times substances or parameters to determine compliance with the permit or applicable requirements or ascertain the amounts and types of air pollutants discharged.

**[45CSR§30-5.3.b.]**

## **2.15. Schedule of Compliance**

- 2.15.1. For sources subject to a compliance schedule, certified progress reports shall be submitted consistent with the applicable schedule of compliance set forth in this permit and 45CSR§30-4.3.h., but at least every six (6) months, and no greater than once a month, and shall include the following:
- a. Dates for achieving the activities, milestones, or compliance required in the schedule of compliance, and dates when such activities, milestones or compliance were achieved; and
  - b. An explanation of why any dates in the schedule of compliance were not or will not be met, and any preventative or corrective measure adopted.

**[45CSR§30-5.3.d.]**

## **2.16. Need to Halt or Reduce Activity not a Defense**

- 2.16.1. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. However, nothing in this paragraph shall be construed as precluding consideration of a need to halt or reduce activity as a mitigating factor in determining penalties for noncompliance if the health, safety, or environmental impacts of halting or reducing operations would be more serious than the impacts of continued operations.
- [45CSR§30-5.1.f.2.]**

## **2.17. Reserved**

## **2.18. Federally-Enforceable Requirements**

- 2.18.1. All terms and conditions in this permit, including any provisions designed to limit a source's potential to emit and excepting those provisions that are specifically designated in the permit as "State-enforceable only", are enforceable by the Secretary, USEPA, and citizens under the Clean Air Act.
- [45CSR§30-5.2.a.]**
- 2.18.2. Those provisions specifically designated in the permit as "State-enforceable only" shall become "Federally-enforceable" requirements upon SIP approval by the USEPA.

## **2.19. Duty to Provide Information**

- 2.19.1. The permittee shall furnish to the Secretary within a reasonable time any information the Secretary may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Secretary copies of records required to be kept by the permittee. For information claimed to be confidential, the permittee shall furnish such records to the Secretary along with a claim of confidentiality in accordance with 45CSR31. If confidential information is to be sent to USEPA, the permittee shall directly provide such information to USEPA along with a claim of confidentiality in accordance with 40 C.F.R. Part 2.
- [45CSR§30-5.1.f.5.]**

## **2.20. Duty to Supplement and Correct Information**

- 2.20.1. Upon becoming aware of a failure to submit any relevant facts or a submittal of incorrect information in any permit application, the permittee shall promptly submit to the Secretary such supplemental facts or corrected information.

**[45CSR§30-4.2.]**

## **2.21. Permit Shield**

- 2.21.1. Compliance with the conditions of this permit shall be deemed compliance with any applicable requirements as of the date of permit issuance provided that such applicable requirements are included and are specifically identified in this permit or the Secretary has determined that other requirements specifically identified are not applicable to the source and this permit includes such a determination or a concise summary thereof.

**[45CSR§30-5.6.a.]**

- 2.21.2. Nothing in this permit shall alter or affect the following:

- a. The liability of an owner or operator of a source for any violation of applicable requirements prior to or at the time of permit issuance; or
- b. The applicable requirements of the Code of West Virginia and Title IV of the Clean Air Act (Acid Deposition Control), consistent with § 408 (a) of the Clean Air Act.
- c. The authority of the Administrator of U.S. EPA to require information under § 114 of the Clean Air Act or to issue emergency orders under § 303 of the Clean Air Act.

**[45CSR§30-5.6.c.]**

## **2.22. Credible Evidence**

- 2.22.1. Nothing in this permit shall alter or affect the ability of any person to establish compliance with, or a violation of, any applicable requirement through the use of credible evidence to the extent authorized by law. Nothing in this permit shall be construed to waive any defenses otherwise available to the permittee including but not limited to any challenge to the credible evidence rule in the context of any future proceeding.

**[45CSR§30-5.3.e.3.B.]**

## **2.23. Severability**

- 2.23.1. The provisions of this permit are severable. If any provision of this permit, or the application of any provision of this permit to any circumstance is held invalid by a court of competent jurisdiction, the remaining permit terms and conditions or their application to other circumstances shall remain in full force and effect.

**[45CSR§30-5.1.e.]**

## **2.24. Property Rights**

- 2.24.1. This permit does not convey any property rights of any sort or any exclusive privilege.

**[45CSR§30-5.1.f.4]**

## **2.25. Acid Deposition Control**

- 2.25.1. Emissions shall not exceed any allowances that the source lawfully holds under Title IV of the Clean Air Act (Acid Deposition Control) or rules of the Secretary promulgated thereunder.
- a. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid deposition control program, provided that such increases do not require a permit revision under any other applicable requirement.
  - b. No limit shall be placed on the number of allowances held by the source. The source may not, however, use allowances as a defense to noncompliance with any other applicable requirement.
  - c. Any such allowance shall be accounted for according to the procedures established in rules promulgated under Title IV of the Clean Air Act.

**[45CSR§30-5.1.d.]**

- 2.25.2. Where applicable requirements of the Clean Air Act are more stringent than any applicable requirement of regulations promulgated under Title IV of the Clean Air Act (Acid Deposition Control), both provisions shall be incorporated into the permit and shall be enforceable by the Secretary and U. S. EPA.

**[45CSR§30-5.1.a.2.]**

### 3.0 Facility-Wide Requirements

#### 3.1. Limitations and Standards

- 3.1.1. **Open burning.** The open burning of refuse by any person is prohibited except as noted in 45CSR§6-3.1. [45CSR§6-3.1.]
- 3.1.2. **Open burning exemptions.** The exemptions listed in 45CSR§6-3.1 are subject to the following stipulation: Upon notification by the Secretary, no person shall cause or allow any form of open burning during existing or predicted periods of atmospheric stagnation. Notification shall be made by such means as the Secretary may deem necessary and feasible. [45CSR§6-3.2.]
- 3.1.3. **Asbestos.** The permittee is responsible for thoroughly inspecting the facility, or part of the facility, prior to commencement of demolition or renovation for the presence of asbestos and complying with 40 C.F.R. § 61.145, 40 C.F.R. § 61.148, and 40 C.F.R. § 61.150. The permittee, owner, or operator must notify the Secretary at least ten (10) working days prior to the commencement of any asbestos removal on the forms prescribed by the Secretary if the permittee is subject to the notification requirements of 40 C.F.R. § 61.145(b)(3)(i). The USEPA, the Division of Waste Management and the Bureau for Public Health - Environmental Health require a copy of this notice to be sent to them. [40 C.F.R. §61.145(b) and 45CSR34]
- 3.1.4. **Odor.** No person shall cause, suffer, allow or permit the discharge of air pollutants which cause or contribute to an objectionable odor at any location occupied by the public. [45CSR§4-3.1 State-Enforceable only.]
- 3.1.5. **Standby plan for reducing emissions.** When requested by the Secretary, the permittee shall prepare standby plans for reducing the emissions of air pollutants in accordance with the objectives set forth in Tables I, II, and III of 45CSR11. [45CSR§11-5.2]
- 3.1.6. **Emission inventory.** The permittee is responsible for submitting, on an annual basis, an emission inventory in accordance with the submittal requirements of the Division of Air Quality. [W.Va. Code § 22-5-4(a)(14)]
- 3.1.7. **Ozone-depleting substances.** For those facilities performing maintenance, service, repair or disposal of appliances, the permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 C.F.R. Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
- a. Persons opening appliances for maintenance, service, repair, or disposal must comply with the prohibitions and required practices pursuant to 40 C.F.R. §§ 82.154 and 82.156.
  - b. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 C.F.R. § 82.158.

- c. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 C.F.R. § 82.161.

**[40 C.F.R. 82, Subpart F]**

- 3.1.8. **Risk Management Plan.** Should this stationary source, as defined in 40 C.F.R. § 68.3, become subject to Part 68, then the owner or operator shall submit a risk management plan (RMP) by the date specified in 40 C.F.R. § 68.10 and shall certify compliance with the requirements of Part 68 as part of the annual compliance certification as required by 40 C.F.R. Part 70 or 71.

**[40 C.F.R. 68]**

- 3.1.9. **Operation and Maintenance of Air Pollution Control Equipment.** The permittee shall, to the extent practicable, install, maintain, and operate all pollution control equipment listed in Section 1.0. and associated monitoring equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions or comply with any more stringent limits set forth in this permit or as set forth by any State rule, Federal regulation, or alternative control plan approved by the Secretary.

**[45CSR13, R13-1361, 4.1.8.]**

- 3.1.10. Total combined emissions from the permitted facility shall not exceed the following limits:

- a. Emissions of particulate matter less than 10 microns (PM<sub>10</sub>) shall not exceed 98.23 tpy;
- b. Emissions of particulate matter less than 2.5 microns (PM<sub>2.5</sub>) shall not exceed 72.00 tpy;
- c. Emissions of oxides of nitrogen (NO<sub>x</sub>) shall not exceed 89.01 tpy;
- d. Emissions of carbon monoxide (CO) shall not exceed 99.96 tpy; and
- e. Emissions of volatile organic compounds (VOC) shall not exceed 109.59 tpy.

**[45CSR13, R13-1361, 3.1.7.]**

- 3.1.11. Emissions from the entire facility shall not exceed 10 tpy of any single hazardous air pollutant (HAP) or 25 tpy of any combination of HAPs. The requirements of R13-1361I establish source specific emission limits or operating limitations that limit the entire facility's release of HAPs below the above-mentioned limits.

**[45CSR13, R13-1361, 3.1.8.]**

- 3.1.12. The annual or yearly limitations in Conditions 4.1.1., 5.1.1. through 5.1.4., and 6.1.1. shall mean ten 36.5-day cycles rolling total.

**[45CSR13, R13-1361, 4.1.7.]**

- 3.1.13. No person shall cause, suffer, allow, or permit any manufacturing process or storage structure generating fugitive particulate matter to operate that is not equipped with a system, which may include, but not be limited to, process equipment design, control equipment design or operation and maintenance procedures, to minimize the emissions of fugitive particulate matter. To minimize means such system shall be installed, maintained, and operated to ensure the lowest fugitive particulate matter emissions reasonably achievable.

**[45CSR§7-5.1.]**

- 3.1.14. The owner or operator of a plant shall maintain particulate matter control of the plant premises, and plant owned, leased or controlled access roads, by paving, application of asphalt, chemical dust suppressants, or

other suitable dust control measures. Good operating practices shall be implemented and when necessary particulate matter suppressants shall be applied in relation to stockpiling and general material handling to minimize particulate matter generation and atmospheric entrainment.

[45CSR§7-5.2.]

### **3.2. Monitoring Requirements**

3.2.1. None.

### **3.3. Testing Requirements**

- 3.3.1. **Stack testing.** As per provisions set forth in this permit or as otherwise required by the Secretary, in accordance with the West Virginia Code, underlying regulations, permits and orders, the permittee shall conduct test(s) to determine compliance with the emission limitations set forth in this permit and/or established or set forth in underlying documents. The Secretary, or his duly authorized representative, may at his option witness or conduct such test(s). Should the Secretary exercise his option to conduct such test(s), the operator shall provide all necessary sampling connections and sampling ports to be located in such manner as the Secretary may require, power for test equipment and the required safety equipment, such as scaffolding, railings and ladders, to comply with generally accepted good safety practices. Such tests shall be conducted in accordance with the methods and procedures set forth in this permit or as otherwise approved or specified by the Secretary in accordance with the following:
- a. The Secretary may on a source-specific basis approve or specify additional testing or alternative testing to the test methods specified in the permit for demonstrating compliance with 40 C.F.R. Parts 60, 61, and 63, if applicable, in accordance with the Secretary's delegated authority and any established equivalency determination methods which are applicable.
  - b. The Secretary may on a source-specific basis approve or specify additional testing or alternative testing to the test methods specified in the permit for demonstrating compliance with applicable requirements which do not involve federal delegation. In specifying or approving such alternative testing to the test methods, the Secretary, to the extent possible, shall utilize the same equivalency criteria as would be used in approving such changes under Section 3.3.1.a. of this permit.
  - c. All periodic tests to determine mass emission limits from or air pollutant concentrations in discharge stacks and such other tests as specified in this permit shall be conducted in accordance with an approved test protocol. Unless previously approved, such protocols shall be submitted to the Secretary in writing at least thirty (30) days prior to any testing and shall contain the information set forth by the Secretary. In addition, the permittee shall notify the Secretary at least fifteen (15) days prior to any testing so the Secretary may have the opportunity to observe such tests. This notification shall include the actual date and time during which the test will be conducted and, if appropriate, verification that the tests will fully conform to a referenced protocol previously approved by the Secretary.

- d. The permittee shall submit a report of the results of the stack test within 60 days of completion of the test. The test report shall provide the information necessary to document the objectives of the test and to determine whether proper procedures were used to accomplish these objectives. The report shall include the following: the certification described in paragraph 3.5.1; a statement of compliance status, also signed by a responsible official; and, a summary of conditions which form the basis for the compliance status evaluation. The summary of conditions shall include the following:
  1. The permit or rule evaluated, with the citation number and language.
  2. The result of the test for each permit or rule condition.
  3. A statement of compliance or non-compliance with each permit or rule condition.

**[WV Code §§ 22-5-4(a)(14-15) and 45CSR13]**

### **3.4. Recordkeeping Requirements**

- 3.4.1. **Monitoring information.** The permittee shall keep records of monitoring information that include the following:
  - a. The date, place as defined in this permit, and time of sampling or measurements;
  - b. The date(s) analyses were performed;
  - c. The company or entity that performed the analyses;
  - d. The analytical techniques or methods used;
  - e. The results of the analyses; and
  - f. The operating conditions existing at the time of sampling or measurement.

**[45CSR§30-5.1.c.2.A.; 45CSR13, R13-1361, 4.4.1.]**

- 3.4.2. **Retention of records.** The permittee shall retain records of all required monitoring data and support information for a period of at least five (5) years from the date of monitoring sample, measurement, report, application, or record creation date. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit. Where appropriate, records may be maintained in computerized form in lieu of the above records.

**[45CSR§30-5.1.c.2.B.]**

- 3.4.3. **Odors.** For the purposes of 45CSR4, the permittee shall maintain a record of all odor complaints received, any investigation performed in response to such a complaint, and any responsive action(s) taken.  
**[45CSR§30-5.1.c. State-Enforceable only.]**

3.4.4. **Record of Maintenance of Air Pollution Control Equipment.** For all pollution control equipment listed in Section 1.0., the permittee shall maintain accurate records of all required pollution control equipment inspection and/or preventative maintenance procedures.  
[45CSR13, R13-1361, 4.4.2.]

3.4.5. **Record of Malfunctions of Air Pollution Control Equipment.** For all air pollution control equipment listed in Section 1.0., the permittee shall maintain records of the occurrence and duration of any malfunction or operational shutdown of the air pollution control equipment during which excess emissions occur. For each such case, the following information shall be recorded:

- a. The equipment involved;
- b. Steps taken to minimize emissions during the event;
- c. The duration of the event; and
- d. The estimated increase in emissions during the event.

For each such case associated with an equipment malfunction, the additional information shall also be recorded:

- e. The cause of the malfunction;
- f. Steps taken to correct the malfunction; and
- g. Any changes or modifications to equipment or procedures that would help prevent future recurrences of the malfunction.

[45CSR13, R13-1361, 4.4.3.]

3.4.6. The permittee shall maintain records indicating the use of any dust suppressants or any other suitable dust control measures applied at the facility. The permittee shall also inspect all fugitive dust control systems monthly to ensure that they are operated and maintained in conformance with their designs. The permittee shall maintain records of all scheduled and non-scheduled maintenance and shall state any maintenance or corrective actions taken as a result of the monthly inspections, the times the fugitive dust control system(s) were inoperable, and any corrective actions taken.  
[45CSR§30-5.1.c.]

### 3.5. Reporting Requirements

3.5.1. **Responsible official.** Any application form, report, or compliance certification required by this permit to be submitted to the DAQ and/or USEPA shall contain a certification by the responsible official that states that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete.  
[45CSR§§30-4.4. and 5.1.c.3.D.]

3.5.2. A permittee may request confidential treatment for the submission of reporting required under 45CSR§30-5.1.c.3. pursuant to the limitations and procedures of W.Va. Code § 22-5-10 and 45CSR31.  
[45CSR§30-5.1.c.3.E.]

- 3.5.3. Except for the electronic submittal of the annual compliance certification and semi-annual monitoring reports to the DAQ and USEPA as required in 3.5.5 and 3.5.6 below, all notices, requests, demands, submissions and other communications required or permitted to be made to the Secretary of DEP and/or USEPA shall be made in writing and shall be deemed to have been duly given when delivered by hand, or mailed first class or by private carrier with postage prepaid to the address(es), or submitted in electronic format by e-mail as set forth below or to such other person or address as the Secretary of the Department of Environmental Protection may designate:

**DAQ:**

Director  
WVDEP  
Division of Air Quality  
601 57<sup>th</sup> Street SE  
Charleston, WV 25304

**US EPA:**

Section Chief  
U. S. Environmental Protection Agency, Region III  
Enforcement and Compliance Assurance Division  
Air, RCRA, and Toxics Branch (3ED21)  
Four Penn Center  
1600 John F. Kennedy Boulevard  
Philadelphia, PA 19103-2852

**DAQ Compliance and Enforcement<sup>1</sup>:**

DEPAirQualityReports@wv.gov

<sup>1</sup>For all self-monitoring reports (MACT, GACT, NSPS, etc.), stack tests and protocols, Notice of Compliance Status reports, Initial Notifications, etc.

- 3.5.4. **Fees.** The permittee shall pay fees on an annual basis in accordance with 45CSR§30-8. [45CSR§30-8.]
- 3.5.5. **Compliance certification.** The permittee shall certify compliance with the conditions of this permit on the forms provided by the DAQ. In addition to the annual compliance certification, the permittee may be required to submit certifications more frequently under an applicable requirement of this permit. The annual certification shall be submitted to the DAQ and USEPA on or before March 15 of each year, and shall certify compliance for the period ending December 31. The permittee shall maintain a copy of the certification on site for five (5) years from submittal of the certification. The annual certification shall be submitted in electronic format by e-mail to the following addresses:

**DAQ:**

DEPAirQualityReports@wv.gov

**US EPA:**

R3\_APD\_Permits@epa.gov

[45CSR§30-5.3.e.]

- 3.5.6. **Semi-annual monitoring reports.** The permittee shall submit reports of any required monitoring on or before September 15 for the reporting period January 1 to June 30 and on or before March 15 for the reporting period July 1 to December 31. All instances of deviation from permit requirements must be clearly identified in such reports. All required reports must be certified by a responsible official consistent with 45CSR§30-4.4. The semi-annual monitoring reports shall be submitted in electronic format by e-mail to the following address:

**DAQ:**

DEPAirQualityReports@wv.gov

**[45CSR§30-5.1.c.3.A.]**

- 3.5.7. **Reserved.**

- 3.5.8. **Deviations.**

- a. In addition to monitoring reports required by this permit, the permittee shall promptly submit supplemental reports and notices in accordance with the following:

1. Reserved.
2. Any deviation that poses an imminent and substantial danger to public health, safety, or the environment shall be reported to the Secretary immediately by telephone or email. A written report of such deviation, which shall include the probable cause of such deviation, and any corrective actions or preventative measures taken, shall be submitted by the responsible official within ten (10) days of the deviation.
3. Deviations for which more frequent reporting is required under this permit shall be reported on the more frequent basis.
4. All reports of deviations shall identify the probable cause of the deviation and any corrective actions or preventative measures taken.

**[45CSR§30-5.1.c.3.C.]**

- b. The permittee shall, in the reporting of deviations from permit requirements, including those attributable to upset conditions as defined in this permit, report the probable cause of such deviations and any corrective actions or preventive measures taken in accordance with any rules of the Secretary.

**[45CSR§30-5.1.c.3.B.]**

- 3.5.9. **New applicable requirements.** If any applicable requirement is promulgated during the term of this permit, the permittee will meet such requirements on a timely basis, or in accordance with a more detailed schedule if required by the applicable requirement.

**[45CSR§30-4.3.h.1.B.]**

### **3.6. Compliance Plan**

- 3.6.1. None.

### 3.7. Permit Shield

- 3.7.1. The permittee is hereby granted a permit shield in accordance with 45CSR§30-5.6. The permit shield applies provided the permittee operates in accordance with the information contained within this permit.
- 3.7.2. The following requirements specifically identified are not applicable to the source based on the determinations set forth below. The permit shield shall apply to the following requirements provided the conditions of the determinations are met.
- a. **45CSR17 – To Prevent and Control Particulate Matter Air Pollution from Materials Handling, Preparation, Storage, and Other Sources of Fugitive Particulate Matter** – The waste wood-fired boiler (1S) and waste oil burner (2S) are subject to the fugitive particulate matter emission requirements of 45CSR2. The dryers (Dryer 1 and Dryer 2), plywood press (P-VOC), plywood sawing operations (P-SAW), and plywood sanding operations (P-SAND) are subject to the fugitive particulate matter emission requirements of 45CSR7. Thus, these operations are exempt from the provisions of this rule via 45CSR§17-6.1.
  - b. **45CSR21 – Regulation to Prevent and Control Air Pollution from the Emission of Volatile Organic Compounds** – The facility is located in Nicholas County and, therefore, is not located in a county to which this rule applies.
  - c. **40 C.F.R. Part 60 Subpart Dc – Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units** – The waste wood-fired boiler was constructed in 1980, relocated to the facility in 1992, and has neither been modified nor reconstructed as defined in 40 C.F.R. §§60.14 and 60.15, respectively. Subpart Dc is not applicable to this boiler as construction began before the date of applicability, June 09, 1989.
  - d. **40 C.F.R. Part 63 Subpart JJ – National Emission Standards for Wood Furniture Manufacturing Operations** – The facility is not a major source of HAPs. Thus, Subpart JJ is not applicable to the facility.
  - e. **40 C.F.R. Part 63 Subpart DDDD – National Emission Standards for Hazardous Air Pollutants: Plywood and Composite Wood Products** – The facility is not a major source of HAPs. Thus, Subpart DDDD is not applicable to the facility.
  - f. **40 C.F.R. Part 63 Subpart QQQQ – National Emission Standards for Hazardous Air Pollutants: Surface Coating of Wood Building Products** – The facility is not a major source of HAPs. Thus, Subpart QQQQ is not applicable to the facility.
  - g. **40 C.F.R. Part 63 Subpart DDDDD – National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters** – The facility is not a major source of HAPs. Thus, Subpart DDDDD is not applicable to the facility.

#### 4.0 Waste Wood-Fired Boiler [Emission Point ID: 1E]

##### 4.1. Limitations and Standards

4.1.1. The facility shall employ one 98.7 mmBTU/hr waste wood-fired boiler. The operation and maintenance of this boiler unit shall not exceed the following operating and emission limitations:

- a. Hourly heat input into the boiler shall not exceed 98.7 mmBTU/hr;
- b. Annual heat input into the boiler shall not exceed 807,761 mmBTU/yr;
- c. The boiler shall be limited to consuming wood waste;
- d. Emissions to the atmosphere generated by operation of the boiler and venting through the stack identified as Emission Point 1E shall not exceed the following:

**Table 4.1.1.d. – Waste Wood-Fired Boiler Emission Limits**

| Source                                                                                                                                                                                | PM/PM <sub>10</sub> /<br>PM <sub>2.5</sub> * |       | SO <sub>2</sub> ** |       | NO <sub>x</sub> |       | CO     |       | VOC    |      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|-------|--------------------|-------|-----------------|-------|--------|-------|--------|------|
|                                                                                                                                                                                       | lbs/hr                                       | tpy   | lbs/hr             | tpy   | lbs/hr          | tpy   | lbs/hr | tpy   | lbs/hr | tpy  |
| <b>Waste Wood-Fired Boiler</b>                                                                                                                                                        | 16.48                                        | 67.45 | 2.47               | 10.10 | 21.71           | 88.85 | 21.52  | 88.05 | 0.05   | 0.22 |
| <p>* Compliance with this PM limit ensures compliance with <b>45CSR§2-4.1.c.</b><br/> ** Compliance with this SO<sub>2</sub> limit ensures compliance with <b>45CSR§10-3.3.f.</b></p> |                                              |       |                    |       |                 |       |        |       |        |      |

- e. The boiler shall be inspected and tuned to optimize performance and minimize emissions (boiler tuning) on an annual basis;
- f. Visible emissions from the boiler stack (discharge point) shall not exceed 10% opacity;  
**[45CSR§2-3.1.]**
- g. The boiler shall not be operated unless flue gas generated by operation of the boiler is passed through the multiclone collector prior to being discharged to the atmosphere. Such multiclone shall be operated and maintained within the pressure drop range established in Condition 4.3.1.;
- h. The permittee shall install, maintain, and calibrate a device that continuously measures the pressure drop across the multiclone. The monitoring device shall be certified to be accurate within +1 inch water gauge;
- i. The permittee shall implement a monitoring plan that will allow the permittee to determine the amount of heat inputted into this fuel burning unit (1S) on a daily basis. Such plan shall consist of the following:
  1. The permittee shall install, maintain, and calibrate a device and/or system that measures and records the oxygen content of the flue gas from the boiler. Such device shall be calibrated at the minimum of once per year;

2. The permittee shall install, maintain, and calibrate a device and/or system that measures and records the temperature of the flue gas from the boiler. Such device shall be calibrated at the minimum of once per year;
3. The permittee shall install, maintain, and calibrate a device(s) and/or system that measures and records the flow rate of steam produced from the boiler. Such device shall be calibrated at the minimum of once per year;
4. The permittee shall install, maintain, and calibrate a device that measures the pressure of the steam produced from the boiler. Such device shall be calibrated at the minimum of once per year;
5. The plan shall define a pressure range of the steam produced from the boiler at normal operating conditions and while the boiler is at idle conditions;
6. The parameters listed in Items 1. through 3. shall be measured and recorded on a frequency of at least once per hour; and
7. In the plan, the permittee shall identify all inputs to be used in the Steam System Assessment Tool, other program, or calculation method to determine or predict the amount of heat energy inputted into the boiler. The permittee shall identify which of these inputs do not require monitoring because they are not variable and why they do not need to be monitored.

For periods greater than two hours where the monitoring data was lost or not obtained for any reason, the permittee shall account for this lost data using the total design heat input of the boiler as the actual heat input for this period.

A written copy of this plan shall be maintained on-site for the life of this permit;

- j. The permittee shall maintain a cover over the walking floor to minimize exposure from the weather; and
- k. The permittee shall develop, adhere, and review annually an Operations and Maintenance Plan (O&M Plan) for this boiler.

**[45CSR13, R13-1361, 4.1.1.]**

- 4.1.2. No person shall cause, suffer, allow, or permit the addition of sulfur oxides to a combustion unit exit gas stream for the purpose of improving emissions control equipment efficiency unless written approval for such addition is provided by the Director.

**[45CSR§2-4.4.]**

- 4.1.3. No person shall cause, suffer, allow, or permit any source of fugitive particulate matter to operate that is not equipped with a fugitive particulate matter control system. This system shall be operated and maintained in such a manner as to minimize the emission of fugitive particulate matter. Sources of fugitive particulate matter associated with fuel burning units shall include, but not be limited to, the following:
  - a. Stockpiling of ash or fuel either in the open or in enclosures such as silos;
  - b. Transport of ash in vehicles or on conveying systems, to include spillage, tracking, or blowing of particulate matter from or by such vehicles or equipment; and
  - c. Ash or fuel handling system and ash disposal areas.

**[45CSR§2-5.1.]**

- 4.1.4. At all times, including periods of start-ups, shutdowns, and malfunctions, owners and operators shall, to the extent practicable, maintain and operate any fuel burning unit(s) including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions.  
**[45CSR§2-9.2.]**
- 4.1.5. At all times the permittee must operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require 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 Administrator that may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.  
**[45CSR34; 40 C.F.R. §63.11205(a)]**
- 4.1.6. The permittee must conduct a performance tune-up of the existing biomass-fired boiler as specified in paragraphs a. through g. of this condition. The tune-up must be conducted while burning the type of fuel that provided the majority of the heat input to the boiler over the 12 months prior to the tune-up. Each tune-up must be conducted biennially and no more than 25 months after the previous tune-up.
- a. As applicable, inspect the burner, and clean or replace any components of the burner as necessary (the permittee may delay the burner inspection until the next scheduled unit shutdown, not to exceed 36 months from the previous inspection).
  - b. Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available.
  - c. Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly (the permittee may delay the inspection until the next scheduled unit shutdown, not to exceed 36 months from the previous inspection).
  - d. Optimize the total emissions of CO. This optimization should be consistent with the manufacturer's specifications, if available, and with the nitrogen oxide requirement to which the unit is subject.
  - e. Measure the concentrations in the effluent stream of CO in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made). Measurements may be taken using a portable CO analyzer.
  - f. Maintain on-site and submit a report, if requested by the Director, a report containing the following information:
    1. The concentrations of CO in the effluent stream in parts per million, by volume, and oxygen in volume percent, measured at high fire or typical operating load, before and after the tune-up of the boiler.
    2. A description of any corrective actions taken as a part of the tune-up of the boiler.
    3. The type and amount of fuel used over the 12 months prior to the tune-up of the boiler.

- g. If the unit is not operating on the required date for a tune-up, the tune-up must be conducted within 30 days of startup.

**[45CSR34; 40 C.F.R. §§63.11201(b) and 63.11223(a) and (b); Item 6 of Table 2 to Subpart JJJJJ of Part 63]**

## **4.2. Monitoring Requirements**

- 4.2.1. For the purpose of demonstrating compliance with the visible emission limit of Condition 4.1.1.f. of this permit, opacity readings of the visible emissions from the waste wood-fired boiler's stack (Emission Point: 1E) shall be conducted by certified persons and in accordance with 40 C.F.R. Part 60 Appendix A, Method 9. A set of readings will be taken at least once per week, with each set of readings covering one continuous, six-minute period while the boiler is operating. If, after a period of four consecutive weeks, readings have been taken according to schedule and with no exceedances beyond the limit set forth in Condition 4.1.1.f. of this permit and no individual readings greater than 40% opacity have been taken, subsequent readings may be taken once every month, with each set of readings covering one continuous six-minute period while the boiler is operating. If at any time a set of readings indicates an exceedance of the limit set forth in Condition 4.1.1.f. of this permit or contains an individual reading of greater than 40% opacity, subsequent sets of readings will be taken once every week until a period of four consecutive weeks passes during which readings have been taken according to schedule and no exceedances of the limit set forth in Condition 4.1.1.f. or no individual readings greater than 40% opacity have been observed. Such records shall be maintained in accordance with Condition 3.4.2. of this permit.

**[45CSR13, R13-1361, 4.2.3.; 45CSR§2-3.2.]**

## **4.3. Testing Requirements**

- 4.3.1. Once every twenty-four months from the previous performance test, the permittee shall conduct emission testing to demonstrate compliance with the permitted PM, CO, and NO<sub>x</sub> emission limits in Condition 4.1.1.d. for the waste wood-fired boiler (Emission Unit: 1S) and to verify and/or establish the pressure drop operating setting of the multiclude. This testing shall be conducted as outlined in Condition 3.3.1. and as follows:
  - a. Demonstrating compliance with the particulate matter limits shall be conducted in accordance with U.S. EPA Method 5;
  - b. Demonstrating compliance with the carbon monoxide limits shall be conducted in accordance with U.S. EPA Method 10;
  - c. Demonstrating compliance with the nitrogen oxides limits shall be conducted in accordance with U.S. EPA Method 7E;
  - d. Demonstrating compliance with the visible emission limit in Condition 4.1.1.f. shall be conducted in accordance with U.S. EPA Method 9;
  - e. The unit shall be operating within 10% of the maximum hourly heat input as permitted in Condition 4.1.1.a.;
  - f. The amount of wood consumed during each test run shall be measured and recorded;
  - g. A sample of the fuel to be consumed during the test shall be taken, and this sample shall be analyzed to determine the heat value of the fuel on a dry basis;

- h. The pressure drop across the multiclone shall be measured and recorded in 15-minute intervals during each test run. Given that the unit demonstrates compliance with the PM limit of 4.1.1.d., the permittee shall create an operating range for the multiclone using these measurements;
- i. Such testing shall be conducted and reported as stated in 45CSR2A unless otherwise stated in this permit; and
- j. Records of such testing shall be maintained in accordance with Condition 3.4.2. of this permit.

**[45CSR13, R13-1361, 4.3.1.]**

#### **4.4. Recordkeeping Requirements**

- 4.4.1. For emission unit 1S, the permittee shall keep and maintain the following records in accordance with Condition 3.4.2. of this permit:
  - a. Date and time of start-up and shutdown of the unit;
  - b. Steam flow rate from the boiler;
  - c. Monitor the steam pressure from the boiler on an hourly basis and note when it is outside of the normal operating range as defined in paragraph 4.1.1.i.5.; and
  - d. Oxygen content and temperature of the flue gas from the boiler.

**[45CSR13, R13-1361, 4.2.1.]**

- 4.4.2. No later than ten calendar days after the end of a 36.5-day period, the permittee shall determine the boiler efficiency and heat input of each day and sum these individual days to determine the total heat input of the 36.5-day period. The heat input from the previous ten periods shall be summed together to determine the total heat input of the previous ten 36.5-day periods rolling total, which is to be used to demonstrate compliance with the annual heat input limit listed in Condition 4.1.1.b. Such records shall be maintained in accordance with Condition 3.4.2. of this permit.

**[45CSR13, R13-1361, 4.4.5.]**

- 4.4.3. Records of the status report for implementing the monitoring plan as required in Condition 4.1.1.i. of this permit shall be maintained in accordance with Condition 3.4.2.

**[45CSR13, R13-1361, 4.5.3.]**

- 4.4.4. The permittee shall maintain on-site records of the operating schedule and the quality and quantity of fuel burned in the boiler as specified below:

For a fuel burning unit which burns only wood, such records shall include, but not be limited to, the date and time of start-up and shutdown, the quantity of fuel consumed on a daily basis, and a quarterly ash and BTU analysis.

**[45CSR§2-8.3.c.; 45CSR§§2A-7.1.a. and -7.1.a.3.]**

- 4.4.5. The permittee must maintain the following records:
  - a. As required in 40 C.F.R. §63.10(b)(2)(xiv), the permittee must keep a copy of each notification and report submitted to comply with 40 C.F.R. Part 63 Subpart JJJJJ and all documentation supporting any Initial Notification or Notification of Compliance Status submitted.

- b. The permittee must keep records to document conformance with the work practices, emission reduction measures, and management practices required by 40 C.F.R. §63.11214 and §63.11223 as specified below:
  - 1. Records must identify each boiler, the date of tune-up, the procedures followed for tune-up, and the manufacturer's specifications to which the boiler was tuned.
  - 2. For operating units that combust non-hazardous secondary materials that have been determined not to be solid waste pursuant to 40 C.F.R. §241.3(b)(1) of this chapter, the permittee must keep a record which documents how the secondary material meets each of the legitimacy criteria under §241.3(d)(1). If the operating unit combusts a fuel that has been processed from a discarded non-hazardous secondary material pursuant to §241.3(b)(4) of Title 40 Chapter 1, the permittee must keep records as to how the operations that produced the fuel satisfies the definition of processing in §241.2 and each of the legitimacy criteria in §241.3(d)(1) of Title 40 Chapter 1. If the fuel received a non-waste determination pursuant to the petition process submitted under §241.3(c) of Title 40 Chapter 1, the permittee must keep a record that documents how the fuel satisfies the requirements of the petition process. For operating units that combust non-hazardous secondary materials as fuel per §241.4, the permittee must keep records documenting the material is a listed non-waste under §241.4(a).
  - 3. The permittee must keep a copy of the energy assessment report.
- c. Records of the occurrence and duration of each malfunction of the boiler, or of the associated air pollution control and monitoring equipment.
- d. Records of actions taken during periods of malfunction to minimize emissions in accordance with the general duty to minimize emissions in 40 C.F.R. §63.11205(a), including corrective actions to restore the malfunctioning boiler, air pollution control, or monitoring equipment to its normal or usual manner of operation.

**[45CSR34; 40 C.F.R. §§63.11225(c), (c)(1), (c)(2), (c)(4), and (c)(5)]**

- 4.4.6. The records required in Condition 4.4.5. must be in a form suitable and readily available for expeditious review. The permittee must keep each record for 5 years following the date of each recorded action. The permittee must keep each record on-site or accessible from a central location by computer or other means that instantly provides access at the site for at least 2 years after the date of each recorded action. The permittee may keep the records off-site for the remaining 3 years.

**[45CSR34; 40 C.F.R. §63.11225(d)]**

#### **4.5. Reporting Requirements**

- 4.5.1. Any exceedances of the allowable visible emission requirement in Condition 4.1.1.f. discovered during observations using 40 C.F.R. Part 60 Appendix A, Method 9 must be reported in writing to the Director of the Division of Air Quality as soon as practicable, but within ten (10) calendar days, of the occurrence and shall include, at a minimum, the following information:
  - a. The results of the visible determination of opacity of emissions;
  - b. The cause or suspected cause of the exceedances; and

- c. Any corrective measures taken or planned.

**[45CSR13, R13-1361, 4.5.1.]**

- 4.5.2. The permittee shall submit the results of the performance testing required in Condition 4.3.1. of this permit before the close of business on the 60th day following the completion of such testing to the Director.

**[45CSR13, R13-1361, 4.5.2.]**

- 4.5.3. The permittee shall report to the Director any malfunction of the waste wood-fired boiler or its air pollution control equipment which results in any excess particulate matter emission rate or excess opacity as provided below:

- a. Excess opacity periods meeting the following conditions may be reported on a quarterly basis unless otherwise required by the Director:

- 1. The excess opacity period does not exceed thirty (30) minutes within any 24-hour period; and
- 2. The excess opacity does not exceed 40%.

- b. The permittee shall report to the Director any malfunction resulting in excess particulate matter or excess opacity, not meeting the criteria set in paragraph a. above, by telephone, telefax, or e-mail by the end of the next business day after becoming aware of such condition. The permittee shall file a certified written report concerning the malfunction with the Director within thirty (30) days providing the following information:

- 1. A detailed explanation of the factors involved or causes of the malfunction;
- 2. The date and time of duration (with starting and ending times) of the period of excess emissions;
- 3. An estimate of the mass of excess emissions discharged during the malfunction period;
- 4. The maximum opacity measured or observed during the malfunction;
- 5. Immediate remedial actions taken at the time of the malfunction to correct or mitigate the effects of the malfunction; and
- 6. A detailed explanation of the corrective measures or program that will be implemented to prevent a recurrence of the malfunction and a schedule for such implementation.

**[45CSR§2-9.3.]**

- 4.5.4. The permittee must prepare, by March 1 of each year, and submit to the delegated authority upon request, an annual compliance certification report for the previous calendar year containing the information specified in paragraphs a. through c. of this condition. The permittee must submit the report by March 15 if any instance described by paragraph c. of this condition occurred. For boilers that are subject only to the energy assessment requirement and/or a requirement to conduct a biennial tune-up according to 40 C.F.R. §63.11223(a) and not subject to emission limits or operating limits, the permittee may prepare only a biennial compliance report as specified in paragraphs a. and b. of this condition.

- a. Company name and address.
- b. Statement by a responsible official, with the official's name, title, phone number, email address, and signature, certifying the truth, accuracy and completeness of the notification and a statement of whether

the source has complied with all the relevant standards and other requirements of 40 C.F.R. Part 63 Subpart JJJJJ. The notification must include the following certifications of compliance and must be signed by a responsible official:

1. “This facility complies with the requirements in 40 C.F.R. §63.11223 to conduct a biennial tune-up of the boiler.”
2. For units that do not qualify for a statutory exemption as provided in Section 129(g)(1) of the Clean Air Act: “No secondary materials that are solid waste were combusted in any affected unit.”
- c. If the source experiences any deviations from the applicable requirements during the reporting period, include a description of the deviations, the time periods during which the deviations occurred, and the corrective actions taken.

**[45CSR34; 40 C.F.R. §§63.11225(b), (b)(1) through (3)]**

#### **4.6. Compliance Plan**

- 4.6.1. None.

## 5.0 Plywood Manufacturing Operations [Emission Point IDs: 3Ea through 3Ef, 4Ea through 4Ef, 5E, E10, E11, and Fugitive]

### 5.1. Limitations and Standards

5.1.1. The facility shall employ two hard wood veneer dryers. Such dryers are identified as Dryer 1 and Dryer 2. The operation of these emission units shall not exceed the following operating and emission limitations:

a. Emissions to the atmosphere generated by operation of the dryers shall not exceed the following:

**Table 5.1.1.a. - Dryer Vent Emission Limits**

| Source                                                               | PM*    |      | PM <sub>10</sub> * |      | PM <sub>2.5</sub> * |     | CO     |      | VOC    |       | Total HAPs |      |
|----------------------------------------------------------------------|--------|------|--------------------|------|---------------------|-----|--------|------|--------|-------|------------|------|
|                                                                      | lbs/hr | tpy  | lbs/hr             | tpy  | lbs/hr              | tpy | lbs/hr | tpy  | lbs/hr | tpy   | lbs/hr     | tpy  |
| Dryer 1                                                              | 4.62   | 24.2 | 2.73               | 14.3 | 0.69                | 4.4 | 2.27   | 11.9 | 19.25  | 102.0 | 1.63       | 8.49 |
| Dryer 2                                                              | 3.63   |      | 2.15               |      | 0.54                |     | 1.78   |      | 15.12  |       | 1.28       |      |
| * Compliance with this PM limit ensures compliance with 45CSR§7-4.1. |        |      |                    |      |                     |     |        |      |        |       |            |      |

- b. The feed rate of green, hardwood veneer into Dryer 1 shall not exceed 21.0 MSF - ⅜” per hour;
- c. The feed rate of green, hardwood veneer into Dryer 2 shall not exceed 16.5 MSF - ⅜” per hour;
- d. The combined annual feed rate of green, hardwood veneer into both dryers shall not exceed 220,000 MSF - ⅜” per year;
- e. These two dryers shall only use steam generated from the waste wood boiler. Each dryer shall only have three heated zones and one cooling zone. Each heated zone shall be equipped with a separate vent and the cooling zone has three vent stacks (emission points); and
- f. Visible emissions from each vent stack of each dryer shall not be discharged to the atmosphere at greater than 20% opacity.  
[45CSR§7-3.1.]

[45CSR13, R13-1361, 4.1.2.]

5.1.2. VOCs and total HAPs emissions from the log steaming vat (Emission Unit: 6S) shall not exceed 1.3 tpy. Compliance with this emission limit shall be met by meeting the annual veneer dryer throughput limit of Condition 5.1.1.d., which is 220,000 MSF - ⅜” per year.  
[45CSR13, R13-1361, 4.1.5.]

5.1.3. The facility shall employ one plywood press. Such press is identified as P-VOC. The operation of this emission unit shall not exceed the following operating and emission limitations:

- a. Emissions to the atmosphere generated by operation of the plywood press and vented through Emission Point 5E shall not exceed the following:

**Table 5.1.3.a. – Plywood Press Emission Limits**

| Source                                                                       | PM/PM <sub>10</sub> /PM <sub>2.5</sub> * |     | VOC    |     | Formaldehyde |      | Methanol |     | Methyl Isobutyl Ketone |     | Phenol |     |
|------------------------------------------------------------------------------|------------------------------------------|-----|--------|-----|--------------|------|----------|-----|------------------------|-----|--------|-----|
|                                                                              | lbs/hr                                   | tpy | lbs/hr | tpy | lbs/hr       | tpy  | lbs/hr   | tpy | lbs/hr                 | tpy | lbs/hr | tpy |
| <b>Plywood Press</b>                                                         | 1.43                                     | 6.3 | 0.78   | 3.4 | 0.01         | 0.03 | 0.15     | 0.7 | 0.09                   | 0.4 | 0.18   | 0.8 |
| * Compliance with this PM limit ensures compliance with <b>45CSR§7-4.1</b> . |                                          |     |        |     |              |      |          |     |                        |     |        |     |

- b. The hourly production rate of the plywood press shall not exceed 16.64 MSF - 3/8" per hour;
- c. The annual production rate of the plywood press shall not exceed 145,766 MSF - 3/8" per year;
- d. The permittee shall be limited to using resins for plywood in the plywood press containing 0.00% HAPs by weight as applied with a VOC content of no greater than 0.12% by weight as applied; and
- e. Visible emissions from the plywood press shall not be discharged to the atmosphere in amounts greater than 20% opacity.  
**[45CSR§7-3.1.]**

**[45CSR13, R13-1361, 4.1.3.]**

5.1.4. The finishing operation and associated activities of the veneer cores shall be operated and maintained in accordance with the following limitations:

- a. Particulate matter generated from the sawing of veneer cores (P-SAW) and sanding activities (P-SAND) shall be collected and routed to a fabric filter control device(s) as listed in the Emission Units Table of Section 1.1. of this permit.
- b. Emissions to the atmosphere from Emission Points E10 and E11 shall not exceed the following:

**Table 5.1.4.b. – Composer Baghouse and Sander Baghouse Emission Limits**

| Emission Point               | Pollutant                                | Hourly Emission Limits (lbs/hr) | Annual Emission Limits (tpy) |
|------------------------------|------------------------------------------|---------------------------------|------------------------------|
| <b>E10 Composer Baghouse</b> | PM/PM <sub>10</sub> /PM <sub>2.5</sub> * | 1.59                            | 6.96                         |

| Emission Point                                                               | Pollutant                                | Hourly Emission Limits<br>(lbs/hr) | Annual Emission Limits<br>(tpy) |
|------------------------------------------------------------------------------|------------------------------------------|------------------------------------|---------------------------------|
| <b>E11<br/>Sander Baghouse</b>                                               | PM/PM <sub>10</sub> /PM <sub>2.5</sub> * | 0.64                               | 2.79                            |
| * Compliance with this PM limit ensures compliance with <b>45CSR§7-4.1</b> . |                                          |                                    |                                 |

- c. Visible emissions from Emission Points E10 and E11 shall not exceed 20% opacity.  
**[45CSR§7-3.1.]**
- d. VOC emissions from the use of patching or filling compounds (Emission Unit: 8S) shall not exceed 1.35 tpy on a ten (10) 36.5-day periods rolling total basis.
- e. Compliance with the VOC emission limit in 5.1.4.d. shall be demonstrated by determining the actual VOC emissions emitted for each 36.5-day period by using a mass balance approach of accounting for the VOCs in the wood patching compounds as applied during the period. At the end of the 36.5-day period, the VOC emissions for the previous nine 36.5-day periods shall be summed with the current period for the total of the ten 36.5-day periods rolling total.
- f. Records of the following information shall be kept for each time a wood patching compound is used during the period:
  1. The filling compound name;
  2. The VOC content of the filler on a mass basis;
  3. The total amount of filling compound that was applied during the period; and
  4. The total amount of VOC emitted during the period.

**[45CSR13, R13-1361, 4.1.4.]**

- 5.1.5. The provisions of 45CSR§7-3.1. shall not apply to smoke and/or particulate matter emitted from any process source operation which is less than forty (40) percent opacity for any period or periods aggregating no more than five (5) minutes in any sixty (60) minute period.  
**[45CSR§7-3.2.]**
- 5.1.6. Any stack serving any process source operation or air pollution control equipment on any process source operation shall contain flow straightening devices or a vertical run of sufficient length to establish flow patterns consistent with acceptable stack sampling procedures.  
**[45CSR§7-4.12.]**

## **5.2. Monitoring Requirements**

- 5.2.1. For the purpose of ensuring compliance with Conditions 5.1.4.d. and 5.1.4.e., the permittee shall monitor and record the amount of adhesive and filling compounds consumed at the facility on a 36.5-day cycle basis. Such records shall be maintained in accordance with Condition 3.4.2. of this permit.  
**[45CSR13, R13-1361, 4.2.2.]**
- 5.2.2. For the purpose of demonstrating compliance with the visible emission limits of 5.1.1.f. of this permit, opacity readings of the emissions from each of the stacks for each dryer (Emission Points: 3Ea, 3Eb, 3Ec, 3Ed, 3Ee, 3Ef, 4Ea, 4Eb, 4Ec, 4Ed, 4Ee, and 4Ef) shall be conducted by certified persons and in accordance with 40 C.F.R. Part 60 Appendix A, Method 9. A set of readings will be taken at least once every three months (quarterly), with each set of readings covering one continuous, 5-minute period while the respective dryer is operating. If, after a period of four consecutive quarters (one year), readings have been taken according to schedule and with no exceedances beyond the limit set forth in Condition 5.1.1.f. of this permit and no individual readings greater than 40% opacity have been taken, subsequent readings may be taken once every year, with each set of readings covering one continuous 5-minute period while the respective dryer is operating. If at any time a set of readings indicates an exceedance of the limit set forth in Condition 5.1.1.f. of this permit or contains an individual reading of greater than 40% opacity, subsequent sets of readings will be taken once every quarter until a period of four consecutive quarters passes during which the readings have been taken according to schedule and no exceedances of the limit set forth in Condition 5.1.1.f. or no individual readings greater than 40% opacity have been observed. Such records shall be maintained in accordance with Condition 3.4.2. of this permit.  
**[45CSR13, R13-1361, 4.2.4.]**
- 5.2.3. For the purpose of demonstrating compliance with the visible emission limits of 5.1.4.c. of this permit, opacity readings of the emissions from each of the stacks for each baghouse vent (Emission Points: E10 and E11) shall be conducted by certified persons and in accordance with 40 C.F.R. Part 60 Appendix A, Method 9. A set of readings will be taken at least once every three months (quarterly), with each set of readings covering one continuous, 5-minute period while the respective source activity is operating. If, after a period of four consecutive quarters (one year), readings have been taken according to schedule and with no exceedances beyond the limit set forth in Condition 5.1.4.c. of this permit and no individual readings greater than 40% opacity have been taken, subsequent readings may be taken once every year, with each set of readings covering one continuous, 5-minute period while finishing operations are being engaged. If at any time a set of readings indicates an exceedance of the limit set forth in Condition 5.1.4.c. of this permit or contains an individual reading of greater than 40% opacity, subsequent sets of readings will be taken once every quarter until a period of four consecutive quarters passes during which readings have been taken according to schedule and no exceedances of the limit set forth in 5.1.4.c. or no individual readings greater than 40% opacity have been observed. Such records shall be maintained in accordance with Condition 3.4.2. of this permit.  
**[45CSR13, R13-1361, 4.2.5.]**

## **5.3. Testing Requirements**

- 5.3.1. None.

#### **5.4. Recordkeeping Requirements**

5.4.1. For emission units Dryer 1, Dryer 2, and P-VOC, the permittee shall keep and maintain the following records in accordance with Condition 3.4.2. of this permit:

- a. Date and time of start-up and shutdown by unit; and
- b. Production rates of Dryer 1, Dryer 2, and P-VOC on a daily basis.

**[45CSR13, R13-1361, 4.2.1.]**

5.4.2. The permittee shall maintain records documenting the VOC and HAP content of all resins, adhesives, curing agents, fillers, or any material consumed in the manufacturing process. Such records/documents shall be maintained on-site as long as the product or material is being used or consumed at the facility. Once a product or material is no longer being used or consumed at the facility, such records shall be maintained in accordance with Condition 3.4.2. of this permit.

**[45CSR13, R13-1361, 4.4.4.]**

#### **5.5. Reporting Requirements**

5.5.1. Any exceedances of the allowable visible emission requirements in Conditions 5.1.1.f. and 5.1.4.c. during observations using 40 C.F.R. Part 60 Appendix A, Method 9 must be reported in writing to the Director of the Division of Air Quality as soon as practicable, but within ten (10) calendar days, of the occurrence and shall include, at a minimum, the following information:

- a. The results of the visible determination of opacity of emissions;
- b. The cause or suspected cause of the exceedances; and
- c. Any corrective measures taken or planned.

**[45CSR13, R13-1361, 4.5.1.]**

#### **5.6. Compliance Plan**

5.6.1. None.

## **6.0 Waste Oil Burner [Emission Point ID: 2E]**

### **6.1 Limitations and Standards**

- 6.1.1. The waste oil burner shall be limited to consuming no more than 21,900 gallons of waste oil per year.  
[45CSR13, R13-1361, 4.1.6.]
- 6.1.2. No person shall cause, suffer, allow, or permit emission of smoke and/or particulate matter into the open air from any fuel burning unit which is greater than ten (10) percent opacity based on a six minute block average.  
[45CSR§2-3.1.]
- 6.1.3. Compliance with the visible emission requirements of Condition 6.1.2. shall be determined in accordance with 40 C.F.R. Part 60 Appendix A, Method 9 or by using measurements from continuous opacity monitoring systems approved by the Director. The Director may require the installation, calibration, maintenance and operation of continuous opacity monitoring systems and may establish policies for the evaluation of continuous opacity monitoring results and the determination of compliance with the visible emission requirements of Condition 6.1.2. Continuous opacity monitors shall not be required on fuel burning units which employ wet scrubbing systems for emission control.  
[45CSR§2-3.2.]

### **6.2 Monitoring Requirements**

- 6.2.1. For the purpose of ensuring compliance with Condition 6.1.1., the permittee shall monitor and record the amount of waste oil consumed at the facility on a 36.5-day cycle basis. Such records shall be maintained in accordance with Condition 3.4.2. of this permit.  
[45CSR13, R13-1361, 4.2.2.]
- 6.2.2. At such reasonable times as the Director may designate, the permittee shall conduct Method 9 emission observations for the purpose of demonstrating compliance with Condition 6.1.2. Method 9 shall be conducted in accordance with 40 C.F.R. Part 60 Appendix A.  
[45CSR§30-5.1.c.]

### **6.3 Testing Requirements**

- 6.3.1. None.

### **6.4 Recordkeeping Requirements**

- 6.4.1. The permittee shall keep and maintain records of the date and time of start-up and shutdown of the waste oil burner, in accordance with Condition 3.4.2. of this permit.  
[45CSR13, R13-1361, 4.2.1.]

### **6.5 Reporting Requirements**

- 6.5.1. None.

### **6.6 Compliance Plan**

- 6.6.1. None.

## **7.0 Fire-Water Pump Engine [Emission Point ID: FWP1]**

### **7.1. Limitations and Standards**

7.1.1. For an existing, emergency stationary compression ignition (CI) reciprocating internal combustion engine (RICE) located at an area source of HAP emissions, the permittee must comply with the following requirements, except during periods of startup:

- a. Change oil and filter every 500 hours of operation or annually, whichever comes first;
- b. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary; and
- c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

**[45CSR34; 40 C.F.R. §63.6603(a); Item 4 of Table 2d to Subpart ZZZZ of Part 63]**

7.1.2. The existing emergency stationary RICE located at an area source of HAP emissions must be operated and maintained according to the manufacturer's emission-related written instructions or the permittee's own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.

**[45CSR34; 40 C.F.R. §§63.6625(e) and (e)(3); 40 C.F.R. §63.6640(a); Item 9 of Table 6 to Subpart ZZZZ of Part 63]**

7.1.3. The permittee has the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Condition 7.1.1.a. The oil analysis must be performed at the same frequency specified for changing the oil in Condition 7.1.1.a. The analysis program must 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 owner or operator is not required to change the oil. If any of these limits are exceeded, the engine owner or operator must change the oil within 2 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 owner or operator must change the oil within 2 business days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine.

**[45CSR34; 40 C.F.R. §63.6625(i)]**

7.1.4. The permittee must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the emission standards applicable to all times other than startup in Tables 1a, 2a, 2c, and 2d to 40 C.F.R. Part 63 Subpart ZZZZ apply.

**[45CSR34; 40 C.F.R. §63.6625(h)]**

7.1.5. The permittee must operate the emergency stationary RICE according to the requirements in paragraphs a. through c. of this condition. In order for the engine to be considered an emergency stationary RICE under 40 C.F.R. Part 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 a. through c., is prohibited. If the permittee does not operate the engine according to the requirements in paragraphs a. through c., the engine will not be considered an emergency engine under Subpart ZZZZ and must meet all requirements for non-emergency engines.

- a. There is no time limit on the use of emergency stationary RICE in emergency situations.
- b. The permittee may operate the emergency stationary RICE for the purpose specified in 7.1.5.b.1. for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed in paragraph c. of this condition counts as part of the 100 hours per calendar year allowed by this paragraph.
  1. Emergency stationary RICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state, or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of emergency RICE beyond 100 hours per calendar year.
- c. Emergency stationary RICE located at area 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 b. of this condition. Except as provided in c.1. of this 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 an electric grid or otherwise supply power as part of a financial arrangement with another entity.
  1. The 50 hours per year for non-emergency situations can be used to supply power as part of a financial arrangement with another entity if all of the following conditions are met:
    - i. The engine is dispatched by the local balancing authority or local transmission and distribution system operator;
    - ii. The dispatch is intended to mitigate local transmission and/or distribution limitations so as to avert potential voltage collapse or line overloads that could lead to the interruption of power supply in a local area or region;
    - iii. The dispatch follows reliability, emergency operation or similar protocols that follow specific NERC, regional, state, public utility commission or local standards or guidelines;
    - iv. The power is provided only to the facility itself or to support the local transmission and distribution system; and
    - v. The owner or operator identifies and records the entity that dispatches the engine and the specific NERC, regional, state, public utility commission or local standards or guidelines that are being followed for dispatching the engine. The local balancing authority or local transmission and distribution system operator may keep these records on behalf of the engine owner or operator.

**[45CSR34; 40 C.F.R. §§63.6640(f), (f)(1), (f)(2), and (f)(4)]**

7.1.6. The permittee must comply with the following:

- a. The permittee must be in compliance with the applicable requirements in 40 C.F.R. Part 63 Subpart ZZZZ at all times.
- b. At all times the permittee must operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require the permittee to make any further efforts to reduce emissions if levels required by Subpart ZZZZ

have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

**[45CSR34; 40 C.F.R. §63.6605]**

- 7.1.7. For an existing emergency CI stationary RICE with a site rating of more than 100 brake HP and a displacement of less than 30 liters per cylinder that uses diesel fuel and operates for the purpose specified in 7.1.5.c.1., the permittee must use diesel fuel that meets the requirements in 40 C.F.R. §1090.305 for nonroad diesel fuel.

**[45CSR34; 40 C.F.R. §63.6604(b)]**

## **7.2. Monitoring Requirements**

- 7.2.1. For an existing emergency stationary RICE located at an area source of HAP emissions, the permittee must install a non-resettable hour meter if one is not already installed.

**[45CSR34; 40 C.F.R. §63.6625(f)]**

## **7.3. Testing Requirements**

- 7.3.1. None.

## **7.4. Recordkeeping Requirements**

- 7.4.1. The permittee must keep records of the maintenance conducted on the existing stationary emergency RICE in order to demonstrate that the RICE and after-treatment control device (if any) were operated and maintained according to the permittee's own maintenance plan.

**[45CSR34; 40 C.F.R. §63.6655(e)]**

- 7.4.2. For the existing emergency stationary RICE located at an area source of HAP emissions that does not meet the standards applicable to non-emergency engines, the permittee must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The owner or operator must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. If the engine is used for the purpose specified in 7.1.5.c.1., the owner or operator must keep records of the notification of the emergency situation, and the date, start time, and end time of engine operation for these purposes.

**[45CSR34; 40 C.F.R. §§63.6655(f) and (f)(2)]**

- 7.4.3. The records of 40 C.F.R. Part 63 Subpart ZZZZ must be kept as follows:

- a. Records must be in a form suitable and readily available for expeditious review according to 40 C.F.R. §63.10(b)(1).
- b. As specified in 40 C.F.R. 63.10(b)(1), the permittee must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.
- c. The permittee must keep each record readily accessible in hard copy or electronic form for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 C.F.R. §63.10(b)(1).

**[45CSR34; 40 C.F.R. §63.6660]**

## **7.5. Reporting Requirements**

- 7.5.1. If FWP1 is operated for the purpose specified in 7.1.5.c.1., the permittee must submit an annual report according to the requirements of this condition.
- a. The report must contain the following information:
    1. Company name and address where the engine is located;
    2. Date of the report and beginning and ending dates of the reporting period;
    3. Engine site rating and model year;
    4. Latitude and longitude of the engine in decimal degrees reported to the fifth decimal place;
    5. Hours spent for operation for the purpose specified in 7.1.5.c.1., including the date, start time, and end time for engine operation for the purposes specified in 7.1.5.c.1. The report must also identify the entity that dispatched the engine and the situation that necessitated the dispatch of the engine;
    6. If there were no deviations from the fuel requirements in 40 C.F.R. §63.6604 that apply to the engine (if any), a statement that there were no deviations from the fuel requirements during the reporting period; and
    7. If there were deviations from the fuel requirements in 40 C.F.R. §63.6604 that apply to the engine (if any), information on the number, duration, and cause of deviations, and the corrective action taken.
  - b. Annual reports for each calendar year must be submitted no later than March 31 of the following calendar year.
  - c. The annual report must be submitted electronically using the 40 C.F.R. Part 63 Subpart ZZZZ specific reporting form in the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through EPA's Central Data Exchange (CDX) ([www.epa.gov/cdx](http://www.epa.gov/cdx)). However, if the reporting form specific to this subpart is not available in CEDRI at the time that the report is due, the written report must be submitted to the Administrator at the appropriate address listed in 40 C.F.R. §63.13.

**[45CSR34; 40 C.F.R. §§63.6650(a) and (h); Item 4 of Table 7 to Subpart ZZZZ of Part 63]**

## **7.6. Compliance Plan**

- 7.6.1. None.