

*West Virginia Department of Environmental Protection*

*Earl Ray Tomblin  
Governor*

*Division of Air Quality*

*Randy C. Huffman  
Cabinet Secretary*

# Permit to Modify



**R13-2192N**

*This permit is issued in accordance with the West Virginia Air Pollution Control Act (West Virginia Code §§ 22-5-1 et seq.) and 45 C.S.R. 13 — Permits for Construction, Modification, Relocation and Operation of Stationary Sources of Air Pollutants, Notification Requirements, Temporary Permits, General Permits and Procedures for Evaluation. The permittee identified at the facility listed below is authorized to construct the stationary sources of air pollutants identified herein in accordance with all terms and conditions of this permit.*

Issued to:  
**JELD-WEN, Inc.**  
Craigsville, WV  
067-00095

---

*John A. Benedict  
Director*

*Issued: DRAFT • Effective: DRAFT*

This permit will supercede and replace Permit R13-2192L.

Facility Location: Craigsville, Nicholas County, West Virginia

Mailing Address: PO Box 1540  
Klamath Falls, OR 97601

Facility Description: Wood Fiber Door Skin Manufacturing Plant

NAICS Codes: 321219/325510

UTM Coordinates: 529.8 km Easting • 4,243.8 km Northing • Zone 17

Permit Type: Modification

Description of Change:

Increase maximum permitted production and emissions.

*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.*

---

*The source is subject to 45CSR30. Changes authorized by this permit must also be incorporated into the facility's Title V operating permit. Commencement of the operations authorized by this permit shall be determined by the appropriate timing limitations associated with Title V permit revisions per 45CSR30.*

## Table of Contents

<b>1.0. Emission Units .....</b>	<b>3</b>
<b>2.0. General Conditions .....</b>	<b>4</b>
2.1. Definitions .....	4
2.2. Acronyms .....	4
2.3. Authority .....	5
2.4. Term and Renewal .....	5
2.5. Duty to Comply .....	5
2.6. Duty to Provide Information .....	5
2.7. Duty to Supplement and Correct Information .....	6
2.8. Administrative Permit Update .....	6
2.9. Permit Modification .....	6
2.10. Major Permit Modification .....	6
2.11. Inspection and Entry .....	6
2.12. Emergency .....	6
2.13. Need to Halt or Reduce Activity Not a Defense .....	7
2.14. Suspension of Activities .....	7
2.15. Property Rights .....	7
2.16. Severability .....	7
2.17. Transferability .....	8
2.18. Notification Requirements .....	8
2.19. Credible Evidence .....	8
<b>3.0. Facility-Wide Requirements .....</b>	<b>9</b>
3.1. Limitations and Standards .....	9
3.2. Monitoring Requirements .....	9
3.3. Testing Requirements .....	9
3.4. Recordkeeping Requirements .....	10
3.5. Reporting Requirements .....	11
<b>4.0. Source-Specific Requirements .....</b>	<b>12</b>
4.1. Limitations and Standards .....	12
4.2. Testing Requirements .....	15
4.3. Monitoring and Recordkeeping Requirements .....	15
<b>CERTIFICATION OF DATA ACCURACY .....</b>	<b>17</b>

### 1.0 Emission Units

Emission Point ID	Emission Unit ID	Emission Unit Description	Year Installed	Design Capacity	Control Device
E1	TD	Truck Dump	1998	38,053 lbs/hr	None
E2a,b,c,d,e	FSE	East Furnish Storage Silo	1998	46,563 ft <sup>3</sup>	None
E3a,b,c,d,e	FSW	West Furnish Storage Silo	1998	46,563 ft <sup>3</sup>	None
E4	FLSN	North Fuel Storage Silo	1998	28,740 ft <sup>3</sup>	BH3
	FLSS	South Fuel Storage Silo	1998	28,740 ft <sup>3</sup>	
	FLa	Fiber Line Prior to Press (Former)	1998	13,323 lbs/hr	
	C2	Recycle Cyclone	1998	1404 lbs/hr	
	C3	Waste Cyclone	1998	3037 lbs/hr	
	C4	Middle Reject Cyclone	1998	1404 lbs/hr	
	C6	Chip Cyclone	1998	23,944 lbs/hr	
E5	B1	Hogged Fuel-Fired Boiler	1998	62.5 mmbtu/hr	MC, ESP
E6	B2	Natural Gas-Fired Boiler	1998	37.7 mmbtu/hr	None
E7	D1 C1	Fiber Dryer Dryer Cyclone	1998	23,942 lbs/hr 30,257 lbs/hr	BH1a
E8					BH1b
E9					BH1c
E10	FLa	Fiber Line Prior to Press (Former)	1998	13,323 lbs/hr	BH2
E11a,b	PV	Press Vents	1998	21,591 SF/hr	None
E12	FLb	Fiber Line After Press (Sizer)	1998	21,591 SF/hr	BH4
	C5	Chip Cleaning Cyclone	1998	2667 lbs/hr	
		Die Cleaning Operation	2009	120 lbs/hr Na <sub>2</sub> CO <sub>3</sub>	
E13	PL	Primeline (Ovens)	1998	3.8 mmbtu/hr total	None
E14a,b	PL	Primeline (Paint Booth)	1998	71.0 gal/hr	None
E15	DC2	Paint Manufacturing	1998	760 gal/hr	BH5
E16	RV	Rotary Valve	1998	23,944 lbs/hr	None
E17	DC	Die Coating	1998	97 gal coating/yr	None
Fugitive	CV1-5	Conveyors	1998	148 tons/hr total	None
Fugitive	RS	Rotary Classifier	1998	40 tons/hr	None
Fugitive	ST1	Resin Storage Tank1	1998	7,000 gallons	None
Fugitive	ST2	Resin Storage Tank2	1998	7,000 gallons	None
Fugitive	ST3	Wax Storage Tank	1998	10,000 gallons	None

## 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 such other person to whom the Secretary has delegated authority or duties pursuant to W.Va. Code §§ 22-1-6 or 22-1-8 (45 CSR § 30-2.12.). The Director of the Division of Air Quality is the Secretary's designated representative for the purposes of this permit.

### 2.2. Acronyms

<b>CAAA</b>	Clean Air Act Amendments	<b>NSPS</b>	New Source Performance Standards
<b>CBI</b>	Confidential Business Information	<b>PM</b>	Particulate Matter
<b>CEM</b>	Continuous Emission Monitor	<b>PM<sub>2.5</sub></b>	Particulate Matter less than 2.5µm in diameter
<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>Ppb</b>	Pounds per Batch
<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>Ppmv or ppmv</b>	Parts per million by volume
<b>DEP</b>	Department of Environmental Protection	<b>PSD</b>	Prevention of Significant Deterioration
<b>dscm</b>	Dry Standard Cubic Meter	<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>SIP</b>	State Implementation Plan
<b>HON</b>	Hazardous Organic NESHAP	<b>SO<sub>2</sub></b>	Sulfur Dioxide
<b>HP</b>	Horsepower	<b>TAP</b>	Toxic Air Pollutant
<b>lbs/hr</b>	Pounds per Hour	<b>TPY</b>	Tons per Year
<b>LDAR</b>	Leak Detection and Repair	<b>TRS</b>	Total Reduced Sulfur
<b>M</b>	Thousand	<b>TSP</b>	Total Suspended Particulate
<b>MACT</b>	Maximum Achievable Control Technology	<b>USEPA</b>	United States Environmental Protection Agency
<b>MDHI</b>	Maximum Design Heat Input	<b>UTM</b>	Universal Transverse Mercator
<b>MM</b>	Million	<b>VEE</b>	Visual Emissions Evaluation
<b>MMBtu/hr or mmbtu/hr</b>	Million British Thermal Units per Hour	<b>VOC</b>	Volatile Organic Compounds
<b>MMCF/hr or mmcf/hr</b>	Million Cubic Feet per Hour	<b>VOL</b>	Volatile Organic Liquids
<b>NA</b>	Not Applicable		
<b>NAAQS</b>	National Ambient Air Quality Standards		
<b>NESHAPS</b>	National Emissions Standards for Hazardous Air Pollutants		
<b>NO<sub>x</sub></b>	Nitrogen Oxides		

### **2.3. Authority**

This permit is issued in accordance with West Virginia Air Pollution Control Law W.Va. Code §§22-5-1 et seq. and the following Legislative Rules promulgated thereunder:

- 2.3.1. 45CSR13 – *Permits for Construction, Modification, Relocation and Operation of Stationary Sources of Air Pollutants, Notification Requirements, Temporary Permits, General Permits and Procedures for Evaluation;*

### **2.4. Term and Renewal**

- 2.4.1. This permit supercedes and replaces previously issued Permit R13-2192L. This permit shall remain valid, continuous and in effect unless it is revised, suspended, revoked or otherwise changed under an applicable provision of 45CSR13 or any applicable legislative rule.

### **2.5. Duty to Comply**

- 2.5.1. The permitted facility shall be constructed and operated in accordance with the plans and specifications filed in Permit Application R13-2192, R13-2192A, R13-2192B, R13-2192C, R13-2192D, R13-2192E, R13-2192F, R13-2192I, R13-2192L and R13-2192N and any modifications, administrative updates, or amendments thereto. The Secretary may suspend or revoke a permit if the plans and specifications upon which the approval was based are not adhered to;  
**[45CSR§§13-5.11 and 13-10.3]**
- 2.5.2. 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;
- 2.5.3. Violations of any of the conditions contained in this permit, or incorporated herein by reference, may subject the permittee to civil and/or criminal penalties for each violation and further action or remedies as provided by West Virginia Code 22-5-6 and 22-5-7;
- 2.5.4. Approval of this permit does not relieve the permittee herein of the responsibility to apply for and obtain all other permits, licenses and/or approvals from other agencies; i.e., local, state and federal, which may have jurisdiction over the construction and/or operation of the source(s) and/or facility herein permitted.

### **2.6. Duty to Provide Information**

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 administratively updating, modifying, revoking or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Secretary copies of records 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.

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

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.

## **2.8. Administrative Update**

The permittee may request an administrative update to this permit as defined in and according to the procedures specified in 45CSR13.  
[45CSR§13-4]

## **2.9. Permit Modification**

The permittee may request a minor modification to this permit as defined in and according to the procedures specified in 45CSR13.  
[45CSR§13-5.4.]

## **2.10. Major Permit Modification**

The permittee may request a major modification as defined in and according to the procedures specified in 45CSR14 or 45CSR19, as appropriate.  
[45CSR§13-5.1]

## **2.11. Inspection and Entry**

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.

## **2.12. Emergency**

- 2.12.1. An "emergency" means any situation arising from sudden and reasonable unforeseeable events beyond the control of the source, including acts of God, which situation requires immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emission limitation under the permit, due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.

- 2.12.2. Effect of any emergency. An emergency constitutes an affirmative defense to an action brought for noncompliance with such technology-based emission limitations if the conditions of Section 2.12.3 are not met.
- 2.12.3. The affirmative defense of emergency shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that:
- a. An emergency occurred and that the permittee can identify the cause(s) of the emergency;
  - b. The permitted facility was at the time being properly operated;
  - c. During the period of the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and,
  - d. The permittee submitted notice of the emergency to the Secretary within one (1) working day of the time when emission limitations were exceeded due to the emergency and made a request for variance, and as applicable rules provide. This notice must contain a detailed description of the emergency, any steps taken to mitigate emission, and corrective actions taken.
- 2.12.4. In any enforcement proceeding, the permittee seeking to establish the occurrence of an emergency has the burden of proof.
- 2.12.5. The provisions of this section are in addition to any emergency or upset provision contained in any applicable requirement.

### **2.13. Need to Halt or Reduce Activity Not a Defense**

It shall not be a defense for a permittee in an enforcement action that it should 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.

### **2.14. Suspension of Activities**

In the event the permittee should deem it necessary to suspend, for a period in excess of sixty (60) consecutive calendar days, the operations authorized by this permit, the permittee shall notify the Secretary, in writing, within two (2) calendar weeks of the passing of the sixtieth (60) day of the suspension period.

### **2.15. Property Rights**

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

### **2.16. Severability**

The provisions of this permit are severable and should any provision(s) be declared by a court of competent jurisdiction to be invalid or unenforceable, all other provisions shall remain in full force and effect.

**2.17. Transferability**

This permit is transferable in accordance with the requirements outlined in Section 10.1 of 45CSR13.  
**[45CSR§13-10.1]**

**2.18. Notification Requirements**

The permittee shall notify the Secretary, in writing, no later than thirty (30) calendar days after the actual startup of the operations authorized under this permit.

**2.19. Credible Evidence**

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 defense otherwise available to the permittee including, but not limited to, any challenge to the credible evidence rule in the context of any future proceeding.

### 3.0. Facility-Wide Requirements

#### 3.1. Limitations and Standards

- 3.1.1. **Open burning.** The open burning of refuse by any person, firm, corporation, association or public agency 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, suffer, allow or permit 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.  
[40CFR§61.145(b) and 45CSR§34]
- 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. **Permanent shutdown.** A source which has not operated at least 500 hours in one 12-month period within the previous five (5) year time period may be considered permanently shutdown, unless such source can provide to the Secretary, with reasonable specificity, information to the contrary. All permits may be modified or revoked and/or reapplication or application for new permits may be required for any source determined to be permanently shutdown.  
[45CSR§13-10.5.]
- 3.1.6. **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 45 C.S.R. 11.  
[45CSR§11-5.2.]

#### 3.2. Monitoring Requirements

*[Reserved]*

#### 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 in accordance with the Secretary's delegated authority and any established equivalency determination methods which are applicable. If a testing method is specified or approved which effectively replaces a test method specified in the permit, the permit may be revised in accordance with 45CSR§13-4 or 45CSR§13-5.4 as 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. If a testing method is specified or approved which effectively replaces a test method specified in the permit, the permit may be revised in accordance with 45CSR§13-4 or 45CSR§13-5.4 as applicable.
- 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 sixty (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; and,
  3. A statement of compliance or noncompliance with each permit or rule condition.

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

### 3.4. Recordkeeping Requirements

- 3.4.1. **Retention of records.** The permittee shall maintain records of all information (including monitoring data, support information, reports and notifications) required by this permit recorded in a form suitable and readily available for expeditious inspection and review. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring

instrumentation. The files shall be maintained for at least five (5) years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent two (2) years of data shall be maintained on site. The remaining three (3) years of data may be maintained off site, but must remain accessible within a reasonable time. Where appropriate, the permittee may maintain records electronically (on a computer, on computer floppy disks, CDs, DVDs, or magnetic tape disks), on microfilm, or on microfiche.

- 3.4.2. **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§4. State-Enforceable only.]**

### 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.
- 3.5.2. **Confidential information.** A permittee may request confidential treatment for the submission of reporting required by this permit pursuant to the limitations and procedures of W.Va. Code § 22-5-10 and 45CSR31.
- 3.5.3. **Correspondence.** 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 with postage prepaid to the address(es) set forth below or to such other person or address as the Secretary of the Department of Environmental Protection may designate:

**If to the DAQ:**

Director  
WVDEP  
Division of Air Quality  
601 57th Street, SE  
Charleston, WV 25304-2345

**If to the USEPA:**

Associate Director  
Office of Enforcement and Permits Review  
(3AP12)  
U. S. Environmental Protection Agency  
Region III  
1650 Arch Street  
Philadelphia, PA 19103-2029

3.5.4. **Operating Fee.**

- 3.5.4.1. In accordance with 45CSR30 – Operating Permit Program, the permittee shall submit a Certified Emissions Statement (CES) and pay fees on an annual basis in accordance with the submittal requirements of the Division of Air Quality. A receipt for the appropriate fee shall be maintained on the premises for which the receipt has been issued, and shall be made immediately available for inspection by the Secretary or his/her duly authorized representative.
- 3.5.5. **Emission inventory.** At such time(s) as the Secretary may designate, the permittee herein shall prepare and submit an emission inventory for the previous year, addressing the emissions from the facility and/or process(es) authorized herein, in accordance with the emission inventory submittal requirements of the Division of Air Quality. After the initial submittal, the Secretary may, based upon the type and quantity of the pollutants emitted, establish a frequency other than on an annual basis.

#### 4.0. Source-Specific Requirements

##### 4.1. Limitations and Standards

- 4.1.1. The permittee shall use only a no added Formaldehyde resin with a maximum 0% Formaldehyde by weight.
- 4.1.2. Maximum Furnish Dryer Throughput shall not exceed 23,942 oven dried pounds per hour nor 45,000 oven dried tons per year.
- 4.1.3. Maximum production of Door Skins shall not exceed 21,591 square feet per hour nor 170,226,823 square feet per year based on a 1/8th inch basis.
- 4.1.4. Maximum production of Hogged Door Skins shall not exceed 10,796 square feet per hour nor 25,534,023 square feet per year based on a 1/8th inch basis.
- 4.1.5. Maximum primer usage shall not exceed 71.0 gallons per hour nor 506,425 gallons per year.
- 4.1.6. Emissions of Hazardous Air Pollutants from the Furnish Dryer (E7,E8 and E9) shall not exceed the following:

Pollutant	Pounds per Hour	Tons Per Year
Acetaldehyde	0.72	1.36
Acrolein	0.39	0.74
Benzene	0.02	0.03
Formaldehyde	0.62	1.17
Methanol	12.09	22.73
Phenol	1.38	2.59
Propionaldehyde	0.39	0.74
<b>Total HAPs</b>	<b>15.61</b>	<b>29.36</b>

- 4.1.7. Emissions from the facility shall not exceed the following:

Emission Unit	Emission Point ID	Annual Emission Point Limit (tons per year)		
		Styrene	Formaldehyde	Methanol
Fuel Silos Fiber Line (Pre-Press) Cyclones (2-6)	E4	--	0.78	--
Wood Boiler	E5	0.47	1.10	--
Nat. Gas Boiler	E6	--	0.02	--

Fiber Dryer(Pre-Press)	E7,E8,E9	--	1.17	22.73
Fiber Line	E10	--	0.30	0.51
Press Vents	E11a, E11b	--	0.67	2.08
Fiber Line (After Press)	E12	--	0.16	--
Primeline (Ovens)	E13	--	0.01	--
Primeline (Paint Booth)	E14	0.09	0.03	--
Paint Manufacturing	E15	0.01	0.01	--
Rotary Valve	E16	--	0.02	0.73
Die Coating	E17	--	--	0.05
<b>Total</b>		<b>0.57</b>	<b>4.27</b>	<b>26.1</b>

4.1.8 Emissions of Hazardous Air Pollutants from the Press vents (PV-E11a,E11b) shall not exceed the following:

Pollutant	Pounds per Hour	Tons Per Year
Acetaldehyde	0.15	0.60
Acrolein	0.15	0.60
MDI	0.55	2.15
Formaldehyde	0.17	0.67
Methanol	0.53	2.08
Phenol	0.53	2.08
Propionaldehyde	0.15	0.60
<b>Total HAPs</b>	<b>2.23</b>	<b>8.78</b>

4.1.9 Total hazardous air pollutant (HAP) emissions from the wood-fired boiler (Equipment ID No. B1) and venting through Emission Point ID No. E5 shall not exceed 2.42 lb/hr and 9.52 TPY.

4.1.10 The following hourly emission rates shall not be exceeded:

Emission Point ID No.	Hourly Emission Point Limit (lb/hr)					
	CO	Lead	NO <sub>x</sub>	PM <sub>10</sub>	SO <sub>2</sub>	VOC
<b>E4</b>	-----	-----	-----	0.80	-----	-----
<b>E5</b>	20.25	0.003	33.24	2.94	1.56	6.25
<b>E6</b>	3.06	-----	6.20	0.28	0.02	0.20

<b>E7</b>	0.54	----	0.64	0.10	----	12.08
<b>E8</b>	0.54	----	0.64	0.10	----	12.08
<b>E9</b>	0.54	----	0.64	0.10	----	12.08
<b>E10</b>	----	----	----	0.73	----	----
<b>E11a, E11b</b>	----	----	----	2.41	----	----
<b>E12</b>	----	----	----	6.26	----	----
<b>E13</b>	0.31	----	0.37	0.03	----	21.31*
* Hourly VOC emission limit is the combined total from E13, E14a, and E14b. Also, VOC emission limit includes emissions of Formaldehyde and Styrene.						

4.1.11 The following annual emission point limits shall not be exceeded.

Emission Point ID No.	Annual Emission Point Limit (TPY)					
	CO	Lead	NO <sub>x</sub>	PM <sub>10</sub>	SO <sub>2</sub>	VOC
<b>E4</b>	----	----	----	2.30	----	----
<b>E5</b>	79.84	0.01	131.03	12.87	6.16	27.38
<b>E6</b>	13.39	----	25.46	1.21	0.1	0.88
<b>E7</b>	2.37	----	2.82	0.32	0.02	43.25
<b>E8</b>	2.37	----	2.82	0.32	0.02	43.25
<b>E9</b>	2.37	----	2.82	0.32	0.02	43.25
<b>E10</b>	----	----	----	1.36	----	----
<b>E11a, E11b</b>	----	----	----	7.93	----	----
<b>E12</b>	----	----	----	4.32	----	----
<b>E13</b>	1.35	----	1.61	0.12	0.01	75.96*
* VOC emission limit is combined total from E13, E14a, and E14b. Also, VOC emission limit includes emissions of Formaldehyde and Styrene.						

4.1.12 Maximum sodium bicarbonate usage in the die cleaning operation shall not exceed 22 tons per year based on a 12 month rolling yearly total.

4.1.13 Regarding 40 CFR 63 Subpart DDDD, JELD-WEN shall comply with all provisions of its consent decree (Civil Action No. 3:11-453ST, DOJ No. 90-5-2-1-09567) including but not limited to the requirement to be in final compliance with the MACT no later than August 4, 2014.

4.1.14 The permittee shall comply with all standards and limitations of 40 CFR 63 Subpart QQQQ including but not limited to the following:

4.1.14.a The affected source shall not emit HAPs in excess of 0.06 pounds per gallon of solids.  
[40 CFR 63.4690(b)]

4.1.15. **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.  
[45CSR§13-5.11.]

## 4.2. Testing Requirements

4.2.1 Any future testing of the dryer or press vents required by the Director shall be performed while the building is under negative pressure that meets the criteria of 40 CFR 51 Appendix M, Method 204.

## 4.3. Monitoring and Recordkeeping Requirements

4.3.1. **Record of Monitoring.** 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.

4.3.2. **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.

4.3.3. **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.
- 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.
  - g. Any changes or modifications to equipment or procedures that would help prevent future recurrences of the malfunction.
- 4.3.4 In order to determine compliance with Sections 4.1.1 of this permit the permittee shall keep records of the type and amount of resin used on a monthly basis.
- 4.3.5. In order to determine compliance with the production limits set forth in Sections 4.1.2, 4.1.3 and 4.1.4 of this permit the permittee shall keep records of the hours of operation and the amount of production.
- 4.3.6 In order to determine compliance with the usage limits set forth in Sections 4.1.5 of this permit the permittee shall keep records of the amount of primer used on a monthly basis.
- 4.3.7 In order to determine compliance with the styrene emission limit on emission points E14 and E15 in condition 4.1.7 of this permit, the permittee shall monitor and record the amount and styrene content of the primer and polymer used.
- 4.3.8 In order to determine compliance with the methanol emission limit on emission point E17 in condition 4.1.7 of this permit, the permittee shall monitor and record the amount and methanol content of the die coating used.
- 4.3.9 In order to determine compliance with the formaldehyde emission limit on emission points E14 and E15 in condition 4.1.7 of this permit, the permittee shall monitor and record the amount and formaldehyde content of the primer and preservative used.
- 4.3.10 To determine compliance with usage limit set forth in Section 4.1.18 of this permit, the permittee will keep monthly records of the amount of sodium bicarbonate used at the die cleaning operation.
- 4.3.11 The facility shall comply with all monitoring requirements of 40 CFR 63 Subpart QQQQ including but not limited to the following:
- 4.3.11.a The permittee shall maintain a record of the calculation of the organic HAP content of each coating.  
**[40 CFR 63.4730(e)(2)]**

### CERTIFICATION OF DATA ACCURACY

I, the undersigned, hereby certify that, based on information and belief formed after reasonable inquiry, all information contained in the attached \_\_\_\_\_, representing the period beginning \_\_\_\_\_ and ending \_\_\_\_\_, and any supporting documents appended hereto, is true, accurate, and complete.

Signature<sup>1</sup> \_\_\_\_\_  
(please use blue ink) Responsible Official or Authorized Representative Date

Name and Title \_\_\_\_\_  
(please print or type) Name Title

Telephone No. \_\_\_\_\_ Fax No. \_\_\_\_\_

- <sup>1</sup> This form shall be signed by a "Responsible Official." "Responsible Official" means one of the following:
- a. For a corporation: The president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation, or a duly authorized representative of such person if the representative is responsible for the overall operation of one or more manufacturing, production, or operating facilities applying for or subject to a permit and either:
    - (I) the facilities employ more than 250 persons or have a gross annual sales or expenditures exceeding \$25 million (in second quarter 1980 dollars), or
    - (ii) the delegation of authority to such representative is approved in advance by the Director;
  - b. For a partnership or sole proprietorship: a general partner or the proprietor, respectively;
  - c. For a municipality, State, Federal, or other public entity: either a principal executive officer or ranking elected official. For the purposes of this part, a principal executive officer of a Federal agency includes the chief executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., a Regional Administrator of USEPA); or
  - d. The designated representative delegated with such authority and approved in advance by the Director.