

1. **Source Number:** _____ 2. **Reporting period:** (calendar year): _____

3. Company information:

Legal Name:	Other company name (if different than legal name):
Mailing Address:	Site Address (if different than mailing address):
City, State, Zip Code:	City, County, Zip Code:

4. Site Contact Person:

Name:	Telephone number:
Title:	Fax Number:

5. **Process Emissions:** For each process, below, check “yes” if you have that process at your facility or “no” if you do not. For each that you answered “yes”, fill out the emissions information on the corresponding Attachment.

Process	Yes	No	If you answered “yes”, then:
1. Boiler(s)			using the emission factors in Condition 12.1 & 12.2 of your permit, fill in Attachment 1, parts a, b, and/or c, whichever are applicable.
2. Cyclone(s)			fill in Attachment 2, parts a and/or b, whichever are applicable.
3. Target Box(s)			fill in Attachment 2, part c.
4. Kilns			using the emission factors in Condition 12.4 of your permit, fill in Attachment 3 for each species of lumber dried.
5. Veneer dryer(s)			using the emission factors in 12.5 of your permit, fill in Attachment 4, parts a, b, c, and/or d; whichever are applicable.
6. Plywood presses			fill in Attachment 5, parts a, b, and c.
7. Surface coating or wood treatment			fill in Attachment 6, parts a and b.
8. After filling in the emissions for each process, TOTAL the emissions on Attachment 7.			

6. Records of all planned and unplanned excess emissions: (If necessary, attach a separate page or write the information on the back of this form.)

Date	Time	Duration (hours)	Description of excess emissions	Corrective action

7. List any air quality/nuisance complaints received within the last calendar year. How were the complaints addressed? (If necessary, attach a separate page or write the information on the back of this form.)

Date	Time	Complaint	Response

8. List permanent changes, if any, made to the plant process, production levels, and/or pollution control equipment that affected air contaminant emissions: (If necessary, attach a separate page or write the information on the back of this form.)

9. List major maintenance performed on pollution control equipment: (If necessary, attach a separate page or write the information on the back of this form.)

10. Certifying Signature

Name of official (Printed or Typed):	Title of official and phone number:
Signature of official:	Date:

WHERE TO SUBMIT THIS REPORT:

Please submit this form and applicable attachments to the Permit Coordinator at the Oregon Department of Environmental Quality regional office shown on the cover page of the permit assignment form. The Permit Coordinator addresses are also listed in the Administrative Requirements section of the General Air Contaminant Discharge Permit.

ATTACHMENT 1: Boilers

See Section 12 of the General Permit for emission factor information

a. Wood-fired boilers:

Annual Steam Production (pounds/year)	Pollutant	Emission Factor (lbs/1000 lb steam)	Emissions (tons/year)
	PM		
	PM ₁₀		
	SO ₂		
	NO _x		
	CO		
	VOC		

b. Natural gas-fired boilers:

Annual Fuel Burned (cubic feet/year)	Pollutant	Emission Factor (lbs/million cubic feet)	Emissions (tons/year)
	PM		
	PM ₁₀		
	SO ₂		
	NO _x		
	CO		
	VOC		

c. Oil, propane, or butane-fired boilers:

Annual Fuel Burned (gallons/year)	Pollutant	Emission Factor (lbs/1000 gallons)	Emissions (tons/year)
	PM		
	PM ₁₀		
	SO ₂ *		
	NO _x		
	CO		
	VOC		

*Attach supporting documentation for the fuel sulfur content (e.g., vendor certificate or independent laboratory analysis)

ATTACHMENT 2: Cyclones, Target Boxes

Note: The Throughput is the sum total for all of the devices in the stated classification. You may inventory each device separately by repeating the appropriate table.

a. Medium efficiency cyclone(s):

Material/controls	Annual Material Throughput (BDT/year)	Pollutant	Emission Factor (lbs/BDT)	Emissions (tons/year)
Dry and green chips, shavings, hogged fuel/bark, green sawdust		PM	0.5	
		PM ₁₀	0.25	
Baghouse control		PM	0.001	
		PM ₁₀	0.001	

b. High efficiency cyclone(s):

Material/controls	Annual Material Throughput (BDT/year)	Pollutant	Emission Factor (lbs/BDT)	Emissions (tons/year)
Dry and green chips, shavings, hogged fuel/bark, green sawdust		PM	0.2	
		PM ₁₀	0.16	
Dry and green chips, shavings, hogged fuel/bark, green sawdust with Baghouse control		PM	0.001	
		PM ₁₀	0.001	
Sanderdust		PM	2.0	
		PM ₁₀	1.6	
Sanderdust with Baghouse control		PM	0.04	
		PM ₁₀	0.04	

c. Target Box(s):

Material/controls	Annual Material Throughput (BDT/year)	Pollutant	Emission Factor (lbs/BDT)	Emissions (tons/year)
All materials without controls		PM	0.1	
		PM ₁₀	0.05	
All materials with Baghouse control		PM	0.001	
		PM ₁₀	0.001	

BDT = Bone Dry Tons

Example calculation for a medium efficiency cyclone:

$$(4000 \text{ BDT of shavings/year}) \times (0.5 \text{ lb PM/BDT}) \times (1 \text{ ton}/2000 \text{ lbs}) = 1 \text{ ton of PM/year}$$

ATTACHMENT 3: Kilns (steam and electric heated)

See Section 12 of the General Permit for emission factor information

a. Wood species: _____

Annual Lumber Dried (MBF/year)	Pollutant	Emission Factor (lbs/MBF)	Emissions (tons/year)
	PM		
	PM ₁₀		
	VOC		
	Methanol		
	Formaldehyde		

b. Wood species: _____

Annual Lumber Dried (MBF/year)	Pollutant	Emission Factor (lbs/MBF)	Emissions (tons/year)
	PM		
	PM ₁₀		
	VOC		
	Methanol		
	Formaldehyde		

c. Wood species: _____

Annual Lumber Dried (MBF/year)	Pollutant	Emission Factor (lbs/MBF)	Emissions (tons/year)
	PM		
	PM ₁₀		
	VOC		
	Methanol		
	Formaldehyde		

MBF = 1000 Board Feet

ATTACHMENT 4: Veneer Dryers (steam and electric heated)

See Section 12 of the General Permit for emission factor information

a. Steam heat:

Species/controls	Annual Veneer Dried (MSF-3/8" basis/year)	Pollutant	Emission Factor (lbs/MSF - 3/8" basis)	Emissions (tons/year)
		PM		
		PM ₁₀		
		PM		
		PM ₁₀		

b. Steam heat (all species/controls):

Annual Veneer Dried (MSF-3/8" basis/year)	Pollutant	Emission Factor (lbs/MSF - 3/8" basis)	Emissions (tons/year)
	VOC	1.8	

c. Gas-fired:

Species/controls	Annual Veneer Dried (MSF-3/8" basis/year)	Pollutant	Emission Factor (lbs/MSF - 3/8" basis)	Emissions (tons/year)
		PM		
		PM ₁₀		
		PM		
		PM ₁₀		

d. Gas-fired (all species/controls):

Annual Veneer Dried (MSF-3/8" basis/year)	Pollutant	Emission Factor (lbs/MSF - 3/8" basis)	Emissions (tons/year)
	NO _x	0.12	
	CO	0.02	
	VOC	3.1	

MSF = 1000 Square Feet

ATTACHMENT 5: Plywood Presses

a. Presses:

Annual Plywood Pressed (MSF/year)	Pollutant	Emission Factor (lbs/MSF)	Emissions (tons/year)
	VOC	0.42	
	Acetaldehyde	0.007	
	Formaldehyde	0.003	
	Methanol	0.23	
	Phenol	0.003	
	Propionaldehyde	0.002	

b. Miscellaneous Plywood Activities: (emissions based on square footage)

Press Throughput (MSF/year)	Pollutant	Emission Factor (lbs/MSF)	Emissions (tons/year)
	VOC	0.27	
	Acetaldehyde	0.01	
	Formaldehyde	0.0023	
	Methanol	0.031	

c. Miscellaneous Plywood Activities: (emissions based on linear footage)

Press Throughput (MLF/year)	Pollutant	Emission Factor (lbs/MLF)	Emissions (tons/year)
	VOC	0.18	
	Acetaldehyde	0.005	
	Formaldehyde	0.0002	
	Methanol	0.025	

MSF = 1000 Square Feet

MLF = 1000 Linear Feet

ATTACHMENT 6: Surface Coating and Wood Treatment

a. VOC:

Material	Annual Usage (gallons/year)	Density (lbs/gallon)	VOC content (lbs/gal or % wt)	Emissions (tons/year)

b. HAP:

Material	Annual Usage (gallons/year)	Density (lbs/gallon)	HAP content (lbs/gal or % wt)	Emissions (tons/year)

VOC = Volatile Organic Compound
HAP = Hazardous Air Pollutant

ATTACHMENT 7: TOTAL Annual Plant Site Emissions:

Pollutant	Emissions (tons/year)	Limit (tons/year)
Particulate matter (PM)		24
Fine particulate matter (PM ₁₀)		14/4.5*
Sulfur dioxide (SO ₂)		39
Nitrogen oxides (NO _x)		39
Carbon monoxide (CO)		99
Volatile organic compounds (VOC)		39
Single hazardous air pollutant (HAP)		9
Combined hazardous air pollutants (HAPs)		24

*The limit is 4.5 tons/year in the Medford-Ashland AQMA and 14 tons/year in all other areas of the state.