

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 6192

This table lists the maximum allowable emission rates and all sources of air contaminants on the applicant's property covered by this permit. The emission rates shown are those derived from information submitted as part of the application for permit and are the maximum rates allowed for these facilities. Any proposed increase in emission rates may require an application for a modification of the facilities covered by this permit.

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
S-009 and S-010	Boiler Stacks No. 1 and 2	VOC	4.54	15.31
		PM ₁₀	18.76	63.4
		CO	604.80	2043.9
		NO _x	94.36	318.9
		SO ₂	0.25	0.86
RTO	Regenerative Thermal Oxidizer**	VOC	9.00	33.75
		PM ₁₀	4.07	17.83
		CO	17.16	75.16
		NO _x	5.64	24.70
		SO ₂	0.01	0.047
		HCHO	0.45	1.69
S-014, S-015, and S-016	Veneer Dryers (Cooling Zone Stacks)	VOC	14.00	52.50
		PM ₁₀	3.50	13.83
PP-1 and PP-2	Plywood Presses	VOC	25.60	112.13
		PM ₁₀	10.24	44.85
		HCHO	1.02	4.49
C-003	Chip Bin Cyclone No. 1	PM	0.20	0.88
		PM ₁₀	0.10	0.44
		Wood Dust***	0.10	0.44
C-004	Chip Bin Cyclone No. 2	PM	0.20	0.88
		PM ₁₀	0.10	0.44
		Wood Dust***	0.10	0.44
C-005	Shaving Bin Cyclone	PM	2.00	8.76

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			<u>lb/hr</u>	<u>TPY</u>
		PM ₁₀	1.00	4.38
		Wood Dust***	1.00	4.38
C-006	Plywood Dry Waste Cyclone 0.67	PM		0.15
		PM ₁₀	0.08	0.34
		Wood Dust***	0.08	0.34
C-007	Fuel House Cyclone	PM	0.15	0.67
		PM ₁₀	0.08	0.34
		Wood Dust***	0.08	0.34
C-011	Trimsaw Relay Cyclone	PM	6.18	27.07
		PM ₁₀	3.09	13.53
		Wood Dust***	3.09	13.53
C-012	Plywood Relay Cyclone	PM	6.18	27.07
		PM ₁₀	3.09	13.53
		Wood Dust***	3.09	13.53
C-013	Railcar Loading Cyclone	PM	0.22	0.88
		PM ₁₀	0.11	0.44
		Wood Dust***	0.11	0.44
C-014	Lumber Dry Waste Cyclone	PM	0.15	0.67
		PM ₁₀	0.08	0.34
		Wood Dust***	0.08	0.34
F-001	Debarker Fugitive (4)	PM	1.13	3.60
		PM ₁₀	0.68	2.16
		Wood Dust***	0.68	2.16
F-002	Chip Screen Fugitives (4) 3.36	PM		1.01
		PM ₁₀	0.60	2.02

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			<u>lb/hr</u>	<u>TPY</u>
		Wood Dust***	0.60	2.02
F-003	Chipping Fugitives (4)	PM	0.004	0.012
		PM ₁₀	0.002	0.007
		Wood Dust***	0.002	0.007
F-004	Chipping VOC Fugitives (4) 1.25		VOC	0.29
F-005	Waferizing VOC Fugitives (4) 0.21		VOC	0.05
F-006	Veneer Dryer Fugitives (4) 22.50		VOC	6.00
		PM ₁₀	1.50	5.93
F-007	Stud Mill Fugitives (4)	PM	0.17	0.88
		PM ₁₀	0.102	0.53
		Wood Dust***	0.102	0.41
F-008	Fuel House Fugitives (4)	PM	0.008	0.036
		PM ₁₀	0.004	0.018
		Wood Dust***	0.004	0.018
F-009	Temporary Storage Pile (4) 0.096		PM	0.022
		PM ₁₀	0.011	0.048
		Wood Dust***	0.011	0.048
F-010	Ash Storage Pile (4)	PM ₁₀	0.004	0.018
F-011	Chip Storage Pile (4)	VOC	2.40	10.52
		PM	0.009	0.041
		PM ₁₀	0.005	0.021
		Wood Dust***	0.005	0.021

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			<u>lb/hr</u>	<u>TPY</u>
F-012	Chip Truck Loading (4)	PM	0.204	0.68
		PM ₁₀	0.074	0.24
		Wood Dust***	0.074	0.24
F-013	Chip Rail Loading (4)	PM	0.204	0.68
		PM ₁₀	0.074	0.24
		Wood Dust***	0.074	0.24
F-014	Dry Waste Truck Loading (4) 0.051	PM		0.136
		PM ₁₀	0.049	0.018
		Wood Dust***	0.049	0.018
F-015	Shavings Truck Loading (4) 0.016	PM		0.136
		PM ₁₀	0.049	0.005
		Wood Dust***	0.049	0.004
F-016	Wafer Truck Loading (4)	PM	0.018	0.085
		PM ₁₀	0.006	0.031
		Wood Dust***	0.006	0.031
F-017	Dry Kiln	VOC	63.28	136.50
		PM ₁₀	9.49	20.48
		MeOH	0.72	1.56
		HCHO	0.05	0.12

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.

(2) Specific point source name. For fugitive sources use area name or fugitive source name.

(3) VOC - volatile organic compounds as defined in General Rule 101.1

PM - particulate matter, suspended in the atmosphere, including PM₁₀

PM₁₀ - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall

be assumed that no particulate matter greater than 10 microns is emitted.

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			lb/hr	TPY

CO - carbon monoxide

NO_x - total oxides of nitrogen

SO₂ - sulfur dioxide

MeOH - methanol

HCHO - formaldehyde

(4) Fugitive emissions are an estimate only.

* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

_____Hrs/day _____Days/week _____Weeks/year or _____
8,760 Hours/year

** 90 percent of emissions go through the RT0 stack, 7 percent go through S-014 through S-016, and 3 percent of the emissions go through F-006.

*** Also counted as PM₁₀.

Combined press maximum throughput of 51,200 ft² per hour and 448,500,000 ft²/calendar year on a finished 3/8-inch basis.

A total hourly green veneer throughput of 50,000 ft² for the three dryers on a finished 3/8-inch basis.

A total hourly redry throughput of 100,000 ft² for the three dryers on a finished 3/8-inch basis.

A total maximum steam production of 180,000 pounds steam/hr and 607,625 tons steam/calendar year.

A total calendar year dry kiln throughput of 78,000,000 board feet of finished lumber.

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A total calendar year green veneer throughput of 350,000,000 ft² on a finished 3/8-inch basis.

A total calendar year redry veneer of 100,000,000 ft² on a finished 3/8-inch basis.

Dated_____