

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 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 Nos. 1 and 2 (5)	VOC	11.16	48.89
		PM ₁₀	24.47	107.19
		CO	196.99	862.83
		NO _x	57.02	239.13
		SO ₂	8.21	35.95
RTO	Regenerative Thermal Oxidizer**	VOC	5.46	23.92
		PM ₁₀	1.16	3.56
		CO	20.88	82.07
		NO _x	7.58	33.21
		SO ₂	<0.01	0.02
		Total HAP	1.46	4.44
S-014, S-015, and S-016	Veneer Dryers (Cooling Zone Stacks) (6)	VOC	4.14	12.42
		PM ₁₀	4.88	14.63
		CO	3.87	11.61
		Total HAP	7.20	21.60
PP1 and PP2	Plywood Presses Stacks (7)	VOC	21.98	96.23
		PM ₁₀	12.29	53.82
		Total HAP	19.76	86.54
C-003	Chip Bin Cyclone No. 1 Stack	PM	2.00	6.00
		PM ₁₀	1.00	3.00
		Wood Dust*	1.00	3.00
C-004	Chip Bin Cyclone No. 2 Stack	PM	2.50	7.50
		PM ₁₀	1.25	3.75
		Wood Dust*	1.25	3.75

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

C-005	Shavings Bin Cyclone Stack	PM	2.50	7.50
		PM ₁₀	1.25	3.75
		Wood Dust*	1.25	3.75
C-006	Lumber Dry Waste Cyclone Stack	PM	2.96	9.61
		PM ₁₀	2.96	9.61
		Wood Dust*	2.96	9.61
C-007	Fuel House Cyclone Stack	PM	0.88	3.86
		PM ₁₀	0.44	1.93
		Wood Dust*	0.44	1.93
C-011	Trimsaw Relay Cyclone Stack	VOC	11.06	48.44
		PM	6.18	27.07
		PM ₁₀	6.18	27.07
		Wood Dust*	6.18	27.07
		Total HAP	1.02	4.47
C-012	Plywood Relay Cyclone Stack	VOC	11.06	48.44
		PM	6.18	27.07
		PM ₁₀	6.18	27.07
		Wood Dust*	6.18	27.07
		Total HAP	1.02	4.47
C-013	Railcar Loading Cyclone Stack	PM	2.50	7.50
		PM ₁₀	1.25	3.75
		Wood Dust*	1.25	3.75
C-014	Dry Waste Truck Loading Cyclone Stack	VOC	11.06	48.44
		PM	1.04	4.54
		PM ₁₀	0.52	2.27
		Wood Dust*	0.52	2.27
		Total HAP	1.02	4.47

AIR CONTAMINANTS DATA

Emission	Source	Air Contaminant	<u>Emission Rates</u>
----------	--------	-----------------	-----------------------

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

			lb/hr	TPY
F-001	Debarker Fugitives (4)	PM	2.78	12.19
		PM ₁₀	1.32	5.77
		Wood Dust*	1.32	5.77
F-002	Chip Screen Fugitives (4)	PM	2.16	9.46
		PM ₁₀	1.02	4.47
		Wood Dust*	1.02	4.47
F-003	Chipping Fugitives (4)	PM	2.16	9.46
		PM ₁₀	1.02	4.47
		Wood Dust*	1.02	4.47
F-006	Veneer Dryer Fugitives (4)	PM ₁₀	0.48	1.43
		CO	0.19	0.57
		VOC	6.15	18.46
		Total HAP	0.65	1.96
F-007	Stud Mill Fugitives (4)	PM	1.05	2.99
		PM ₁₀	1.05	2.99
		Wood Dust*	1.05	2.99
F-008	Fuel House Fugitives (4)	PM	0.02	0.09
		PM ₁₀	0.01	0.04
		Wood Dust*	0.01	0.04
F-009	Temporary Storage Pile Fugitives (4)	PM	0.01	0.06
		PM ₁₀	<0.01	0.03
		Wood Dust*	<0.01	0.03
F-010	Ash Storage Pile Fugitives (4)	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
F-011	Chip Storage Pile Fugitives (4)	PM	<0.01	0.03
		PM ₁₀	<0.01	0.01
		Wood Dust*	<0.01	0.01
F-012	Chip Truck Loading Fugitives (4)	PM	0.11	0.50
		PM ₁₀	0.05	0.23

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

		Wood Dust*	0.05	0.23
F-013	Chip Railcar Loading Fugitives (4)	PM	0.11	0.50
		PM ₁₀	0.05	0.23
		Wood Dust*	0.05	0.23
F-014	Dry Waste Truck Loading Fugitives (4)	PM	0.08	0.33
		PM ₁₀	0.04	0.16
		Wood Dust*	0.04	0.16
F-017	Dry Lumber Kilns (4)	VOC	39.55	163.80
		PM ₁₀	4.94	20.48
		Total HAP	3.74	15.50
F-020	Log Vat No. 1 (4)	VOC	1.68	5.03
F-021	Log Vat No. 2 (4)	VOC	1.68	5.03
F-022	Log Vat No. 3 (4)	VOC	1.68	5.03
F-023	Log Vat No. 4 (4)	VOC	1.68	5.03
F-026	Lathe Fugitives (4)	VOC	16.86	42.09

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

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

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

- (3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- NO_x - total oxides of nitrogen
- SO₂ - sulfur dioxide
- PM - particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}
- PM₁₀ - particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}
- PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter
- CO - carbon monoxide
- HAP - hazardous air pollutant as listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations (40 CFR) Part 63, Subpart C
- (4) Fugitive emissions are an estimate only.
- (5) Emission rates from S-009 and S-010 represent the total emissions from the wood-fired boiler.
- (6) Emission rates from S-014, S-015, and S-016 represent the total emissions from the cooling zones of all three veneer dryers.
- (7) Emission rates from PP1 and PP2 represent the total emissions from the two plywood presses.

* Also counted as PM₁₀.

**90 percent of emissions from the veneer dryers go through the RTO stack (identified as EPN RTO), 7 percent go through S-014, S-015, and S-016, and 3 percent of the emissions are fugitive (F-006).

Dated: March 19, 2010