

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Numbers 5628 and PSD-TX-905

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-01	Boiler No. 1	NO _x	10.00	43.80
		CO	35.00	55.40
		VOC	5.00	21.90
		SO ₂	0.42	1.83
		PM ₁₀	10.00	24.03
S-02	Boiler No. 2	NO _x	10.00	43.80
		CO	35.00	55.40
		VOC	5.00	21.90
		SO ₂	0.42	1.83
		PM ₁₀	10.00	24.03
S-03	Boiler No. 3	NO _x	44.00	130.85
		CO	1062.00	3427.06
		VOC	32.00	100.01
		SO ₂	1.85	8.11
		PM ₁₀	44.00	192.72
S-21	Package Boiler (when firing low sulfur diesel)	NO _x	23.5	8.46
		CO	8.40	3.03
		VOC	1.28	0.46
		SO ₂	11.93	4.30
		PM ₁₀	5.54	2.00
	Package Boiler (when firing natural gas)	NO _x	8.33	3.65
		CO	18.40	8.06
		VOC	1.32	0.58
		SO ₂	0.14	0.06
		PM ₁₀	1.84	0.81

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
S-04, S-04A, S-04B	Dryer No. 1	VOC	46.22	**
		PM	9.92	
		PM ₁₀	6.83	
S-05, S-05A, S-05B	Dryer No. 2	VOC	59.88	**
		PM	12.85	
		PM ₁₀	8.85	
S-06, S-06A, S-06B	Dryer No. 3	VOC	60.24	**
		PM	12.93	
		PM ₁₀	8.90	
S-07, S-07A, and S-07B **	Dryer No. 4	VOC		71.26
		PM	15.29	
		PM ₁₀	10.53	
S-04 through S-07	Dryer Nos. 1 through 4 Combined Annual Allowables	VOC		783.13
		PM		168.02
		PM ₁₀		115.67
K-01	Kiln No. 1	VOC	28.80	**
		PM ₁₀	0.71	
K-02	Kiln No. 2	VOC	28.80	**
		PM ₁₀	0.71	
K-03	Kiln No. 3	VOC	28.80	**
		PM ₁₀	0.71	
	Kiln Nos. 1, 2, and 3 Combined Annual Allowables	VOC		245.66
		PM ₁₀		7.09

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			lb/hr	TPY
S-14	Dry Hog Baghouse	PM ₁₀	0.89	3.90
S-15	Dry Waste Baghouse	PM ₁₀	0.79	3.46
S-17	Sander Dust Baghouse	PM ₁₀	0.04	0.18
S-19	Fuel House Cyclone	PM ₁₀	0.30	1.32
S-20A	C/L Diverter	PM ₁₀	0.09	0.38
S-18A	Truck Bin Cyclone	PM ₁₀	2.06	9.03
S-16	Dry Waste Cyclone	PM ₁₀	0.21	0.92
V-01	Hot Press Roof Vent Press Nos. 1 and 2	VOC	31.96	120.61
		PM	24.19	91.28
		PM ₁₀	10.18	38.42
		HCHO	0.89	3.33
F-09	Log Soaking Vats (Traditional Lathe)	VOC	14.00	61.32
F-09A	Log Soaking Vats (Centerless Lathe)	VOC	4.20	18.40
F-03	Ring Debarker (4)	PM ₁₀	2.42	10.60
F-04	Drum Debarker (4)	PM ₁₀	0.31	1.36
F-01	MTL Sawline (4)	PM ₁₀	<0.01	0.01
F-02	Fiber Deck (4)	PM ₁₀	<0.01	0.01
F-05	Even End Saws (4)	PM ₁₀	<0.01	0.01

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			<u>lb/hr</u>	<u>TPY</u>
F-08	Trim Saws (4)	PM ₁₀	<0.01	0.01
F-12	Truck Bin (4)	PM ₁₀	<0.01	0.02
F-14	Truck Bin (4)	PM ₁₀	<0.01	0.02
F-13	Rail Loading - Chips (4)	PM ₁₀	<0.01	0.02
F-17	Shavings Truck Bin (4)	PM ₁₀	<0.01	0.02
F-18	Sawmill Bldg. (4)	PM ₁₀	<0.01	0.01
F-19	Boiler House (4)	PM ₁₀	0.26	1.14
F-20	Lathes/Green End (4)	VOC	0.31	1.36
V-02	Glue Loft Roof Vent	PM ₁₀	3.50	7.67
		VOC	1.58	3.83

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

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

(3) NO_x - total oxides of nitrogen

CO - carbon monoxide

VOC - volatile organic compounds as defined in the Title 30 Texas Administrative Code § 101.1

SO₂ - sulfur dioxide

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.

HCHO - formaldehyde

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(4) Fugitive emissions are an estimate only.

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

24 Hrs/day 7 Days/week 52 Weeks/year or 8,760 Hrs/year

- ** Annual emission limits are based on a combined total for several points. The annual limit is specified after the last point in the group.

Dated January 15, 2004