

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 1104

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
F-001	Truck Dump Area (4)	PM	0.10	0.43
		PM ₁₀	0.03	0.15
F-002	Five Bulk Storage Area Cyclones (4)	PM	0.26	1.14
		PM ₁₀	0.12	0.54
B-003	Raw Material Transfer Baghouse 2.99		PM ₁₀ **	0.68
		VOC	0.34	1.50
		HCHO	<0.01	0.01
		MeOH	<0.01	0.01
B-004	Face Dryer Inlet Baghouse	PM ₁₀ **	2.04	8.94
		VOC	9.08	36.22
		HCHO	0.04	0.16
		MeOH	0.06	0.24
C-005#	Core Dryer Outlet Multiclone	PM	27.25	64.46
		PM ₁₀	13.56	33.16
		VOC	19.36	44.29
		NO _x	11.71	46.25
		SO ₂	0.04	0.13
		CO	23.37	101.80
		HCHO	1.37	3.13
		MeOH	0.44	1.00

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
C-006#	Face Dryer Outlet Multiclone	Wood Dust	10.20	23.33
		PM	12.94	40.48
		PM ₁₀	7.46	22.92
		VOC	20.18	64.58
		NO _x	6.84	24.90
		SO ₂	0.04	0.13
		CO	9.08	39.20
		HCHO	0.79	2.51
		MeOH	0.21	0.66
B-014	Sander/Sawline Baghouse Stacks	Wood Dust	4.09	13.09
		PM ₁₀ **	10.29	45.05
		VOC	5.53	7.90
		HCHO	0.21	0.28
		C ₆ H ₅ OH	0.45	0.75
		MeOH	1.44	1.96
B-024	Thermal Oil Heater Fuel Bin Baghouse	PM ₁₀ **	0.41	1.80
		VOC	0.16	0.70
		HCHO	<0.01	0.01
		MeOH	0.03	0.12
V-026 and V-027#	Thermal Oil Heater Bypass Stacks	PM ₁₀	22.45	45.88
		VOC	0.09	0.19
		NO _x	23.03	47.06
		SO ₂	0.13	0.27
		CO	2.52	5.15
		HCHO	0.01	0.03
		MeOH	0.04	0.12

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
B-034	Press Ventilation System Baghouse	PM ₁₀ **	5.14	22.53
		VOC	45.72	163.29
		HCHO	6.45	23.02
		C ₆ H ₅ OH	0.26	0.92
		MeOH	13.64	48.73
T-031	Diesel Tank	VOC	0.07	<0.01
F-032	Roadway Fugitives (4)	PM	---	6.09
		PM ₁₀ ---	2.71	

(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) 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.

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

NO_x - total oxides of nitrogen

SO₂ - sulfur dioxide

CO - carbon monoxide

HCHO - formaldehyde

MeOH - methanol

C₆H₅OH - phenol

(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

A total maximum particle board production of 100 million square feet (MMSF) per year, 9 MMSF per month, and 288,000 square feet per day. This production rate is based on a three-quarter inch thickness of particle board and is measured at the board-forming press as finished product.

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The drying system (core dryer and face dryer) shall have a combined throughput rate restriction of 40 tons of furnish (dry basis) per hour and 183,000 tons per year as determined by Thayer scale readings. If using natural gas, the combined fuel usage rate shall be 52,000 ft³ per hour and 455,520,000 ft³ per year.

Thermal oil fuel usage of 1.786 tons per hour and 10,429 tons per year of furnish (dry basis).

- # LP personnel estimate that 70 percent of the thermal oil heater (TOH) exhaust is typically directed through V-026 and V-027 while 30 percent of the thermal oil heater exhaust is directed through the dryers (split evenly between C-005 and C-006). However, all of the TOH exhaust is directed to V-026 and V-027 for any one hour.

** Also counted as wood dust.

Dated September 16, 2002