

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 6537

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
FB-102A MSS** (note a)	Fiberboard Dryer 2 Stack A	PM	3.19	0.42
		PM ₁₀	1.59	0.21
		VOC	4.79	0.63
		NO _x	2.96	0.39
		CO	0.46	0.06
		SO ₂	0.02	<0.01
FB-102B MSS** (note a)	Fiberboard Dryer 2 Stack B	PM	5.46	0.72
		PM ₁₀	2.73	0.36
		VOC	1.22	0.16
		NO _x	2.96	0.39
		CO	0.46	0.06
		SO ₂	0.02	<0.01
FB-102C MSS** (note a)	Fiberboard Dryer 2 Stack C	PM	4.78	0.63
		PM ₁₀	2.28	0.30
		VOC	0.48	0.06
		NO _x	2.96	0.39
		CO	0.46	0.06
		SO ₂	0.02	<0.01
FB-17A MSS** (note)	Hardboard Preheater Vent A	PM	0.08	0.01
		PM ₁₀	0.08	0.01
		VOC	1.97	0.26
FB-17B MSS** (note a)	Hardboard Preheater Vent B	PM	0.08	0.01
		PM ₁₀	0.08	0.01
		VOC	5.70	0.75
FB-17BB MSS** (note a)	Hardboard Pre-Heater Vent	PM	0.08	0.01
		PM ₁₀	0.08	0.01
		VOC	5.70	0.75

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			lb/hr	TPY
FB-RTO*** (note b)	Thermal Oxidizer - TCO Mode	PM	1.37	6.01
		PM ₁₀	0.72	3.16
		VOC	1.45	6.33
		NO _x	9.00	39.42
		CO	1.95	8.55
		SO ₂	0.07	0.32
FB-RTO*** (note b)	Thermal Oxidizer - RTO Mode	PM	1.41	6.19
		PM ₁₀	0.76	3.34
		VOC	1.45	6.33
		NO _x	9.54	41.78
		CO	2.41	10.54
		SO ₂	0.08	0.33
FB-18 (note b)	Press Vent#	PM	10.40	45.55
		PM ₁₀	6.24	27.33
		VOC	54.35	238.07
		CHOH	6.10	26.73
		MeOH	9.21	40.35
FB-19A (note b)	Hardboard Cooling Vent#	PM	3.66	16.02
		PM ₁₀	2.19	9.61
		VOC	16.00	70.08
		CHOH	4.46	19.52
		MeOH	3.57	15.62
FB-19B (note b)	Hardboard Cooling Vent#	PM	0.50	2.20
		PM ₁₀	0.30	1.32
		VOC	2.19	9.61
		CHOH	0.73	3.20
		MeOH	0.64	2.80
FB-19C (note b)	Hardboard Cooling Vent#	PM	1.12	4.91
		PM ₁₀	0.67	2.94
		VOC	5.67	24.83
		CHOH	1.37	6.01
		MeOH	1.21	5.31

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			lb/hr	TPY
FB-19D (note b)	Hardboard Cooling Vent#	PM	3.09	13.52
		PM ₁₀	1.85	8.11
		VOC	13.30	58.27
		CHOH	2.70	11.81
		MeOH	2.93	12.81
FB-19E (note b)	Hardboard Cooling Vent#	PM	2.09	9.16
		PM ₁₀	1.25	5.50
		VOC	9.29	40.70
		CHOH	2.31	10.14
		MeOH	2.09	9.14
FB-HUM	Humidifier Area (4)	VOC	1.08	4.35
FB-209 (note b)	Secondary Board Cooler##	PM	0.31	1.37
		PM ₁₀	0.19	0.82
		VOC 1.41	6.18	
FB-209A (note b)	Secondary Board Cooler##	PM	0.31	1.37
		PM ₁₀	0.19	0.82
		VOC 1.41	6.18	
FB-209B (note b)	Secondary Board Cooler##	PM	0.31	1.37
		PM ₁₀	0.19	0.82
		VOC 1.41	6.18	
FB-209C (note b)	Secondary Board Cooler##	PM	0.31	1.37
		PM ₁₀	0.19	0.82
		VOC 1.41	6.18	
FB-209D (note b)	Secondary Board Cooler##	PM	0.31	1.37
		PM ₁₀	0.19	0.82
		VOC 1.41	6.18	
FB-150	6 Refiner Vents (5)	VOC	6.13	26.64
FB-24	Reclaim Hog	PM	8.95	38.50

		PM ₁₀	5.45	23.40
FB-PL (FB-OV247, Paint Line and Ovens		PM	0.28	0.84
FB-OV249, and		PM ₁₀	0.28	0.84
FB-PCL-OV)		VOC	11.93	35.17
		NO _x	3.62	9.84
		CO	0.47	1.17
	SO ₂	0.02	0.06	

- (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) 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
CO - carbon monoxide
SO₂ - sulfur dioxide
CHOH - formaldehyde
MeOH - methanol
- (4) Fugitive emissions are an estimate only.
- (5) Previously permitted under Standard Permit Number 33426 and is now part of this part.

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

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

31,400 square feet/hour 275,000,000 square feet/year

** Due to 3 percent downtime of the FB-RTO.

*** The Thermal Oxidizer can operate in either Regenerative Thermal Oxidizer (RTO) mode or Regenerative Thermal/Catalytic Oxidizer (TCO) mode.

Emissions from Hardboard Press and associated cooling vents should be summed when determining compliance since individual stack emissions may vary.

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Emissions from the Secondary Board Cooler should be summed when determining compliance since individual stack emissions may vary.

Notes:

- (a) VOCs are reported as species
- (b) VOCs are reported as carbon

Dated August 25, 2006