

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Nos. 22377 and PSD-TX-832M1

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 *	Source	Air Contaminant	<u>Emission Rates</u>	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
RTOEAST	East Dryer Regenerative Thermal Oxidizer	PM ₁₀ (a)	13.54	59.29
		VOC	14.77	64.68
		NO _x	30.19	132.24
		SO ₂	1.09	4.77
		CO	183.77	804.92
		HCHO (b)	1.48	6.47
RTOWEST	West Dryer Regenerative Thermal Oxidizer	PM ₁₀ (a)	13.54	59.29
		VOC	14.77	64.68
		NO _x	30.19	132.24
		SO ₂	1.09	4.77
		CO	183.77	804.92
		HCHO (b)	1.48	6.47
RTOPRESS	Press Regenerative Thermal Oxidizer	PM ₁₀ (a)	9.58	41.97
		VOC	5.23	22.89
		NO _x	12.02	52.66
		SO ₂	0.01	0.06
		CO	36.59	160.26
		HCHO (b)	1.57	6.87
		MDI (b)	0.10	0.44
S-1	Saw Line Abort Collector	C ₆ H ₅ OH (b)	0.33	1.43
		PM ₁₀ (a)	1.34	5.89
		VOC	1.82	7.97

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Point No. (1)	Name (2)	Name (3)	lb/hrTPY	
S-2	Aspiration System Baghouse	PM ₁₀ (a)	0.62	2.71
		VOC	5.32	23.30
		HCHO (b)	0.08	0.35
		MDI (b)	<0.01	0.01
		C ₆ H ₅ OH (b)	<0.01	0.02
S-3/4	Raw Fuel Bin Abort Collector	PM ₁₀ (a)	0.58	2.52
		VOC	4.74	20.76
S-5	Mat Reject Abort Collector	PM ₁₀ (a)	1.43	6.28
		VOC	1.49	6.53
		HCHO (b)	0.04	0.18
		MDI (b)	<0.01	<0.01
		C ₆ H ₅ OH (b)	<0.01	<0.01
S-6	T & G/Sanderdust Abort Collector	PM ₁₀ (a)	1.12	4.93
		VOC	0.85	3.72
S-7	Sanderdust Receiving Bin Baghouse	PM ₁₀ (a)	0.02	0.08
		VOC	0.01	0.06
S-8	Finish Fuel Bin Abort Collector	PM ₁₀ (a)	0.71	3.10
		VOC	3.45	15.11
S-9	Thermal Oil Regrind Abort Collector	PM ₁₀ (a)	0.39	1.69
		VOC	1.88	8.23
R-1	PF Tank 1 (4)	HCHO (b)	0.02	<0.01
R-2	PF Tank 2 (4)	HCHO (b)	0.02	<0.01
R-3	MDI Tank 1 (4)	MDI (b)	<0.01	<0.01

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Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
R-4	MDI Tank 2 (4)	MDI (b)	<0.01	<0.01
T-1	Gasoline Tank 1 (4)	VOC	0.13	0.31
		C ₆ H ₆ (b)	0.01	0.02
T-3	Diesel Tank 1 (4)	VOC	0.13	<0.01
F-2	Roadways (4)	PM		7.47
		PM ₁₀		3.73
BARK	Bark Handling System (4)		PM	0.49
	2.15	PM ₁₀ (a)	0.17	0.75
FINES	Excess Fuel System (4)		PM	0.08
	0.34	PM ₁₀ (a)	0.03	0.12
TOH-1**	Thermal Oil Heater	PM ₁₀	0.20	0.87
	Bypass Stack	VOC	0.09	0.39
		NO _x	4.48	19.62
		SO ₂	0.02	0.08
		CO	1.12	4.91
GEN-1	Emergency Generator	PM ₁₀	4.50	0.34
		VOC	0.15	0.01
		NO _x	11.84	0.89
		SO ₂	3.24	0.24
		CO	5.42	0.41
FWP-1	Fire Water Pump	PM ₁₀	1.58	0.08
		VOC	0.18	0.01
		NO _x	4.54	0.23
		SO ₂	1.18	0.06

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Emission *	Source	Air Contaminant	<u>Emission Rates</u>	
<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>
		CO	4.54	0.23

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- (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 (PM) equal 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 General Rule 101.1
NO_x - total oxides of nitrogen
SO₂ - sulfur dioxide
CO - carbon monoxide
HCHO - formaldehyde
MDI - methylene-diphenyl-diisocyanate
C₆H₅OH - phenol
C₆H₆ - benzene
- (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 24 Days/week 7 Weeks/year 52 or Hrs/year 8,760

A total maximum press daily throughput of 1,636,250 ft² of waferboard (on 3/8-inch basis), and a total maximum annual plant throughput of 597,230,000 ft² of 3/8-inch oriented strand board processed as calculated in Special Condition No. 26.

** The thermal oil heaters vent to the atmosphere through this bypass stack only when these thermal oil heaters use gas as fuel.

a. Also as wood dust.

b. HCHO, phenol, MDI, and C₆H₆ emissions are included in the total VOC emissions.

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Dated_____