

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 26002

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
RTOEast (b)	Dryer Regenerative Thermal Oxidizer 1	PM ₁₀	11.57	48.60
		VOC	3.00	12.60
		NO _x	23.96	100.64
		SO ₂	1.32	5.40
		CO	18.23	76.58
		HCHO (a)	0.56	2.34
RTOWest (b)	Dryer Regenerative Thermal Oxidizer 1	PM ₁₀	11.57	48.60
		VOC	3.00	12.60
		NO _x	23.96	100.64
		SO ₂	1.32	5.40
		CO	18.23	76.58
		HCHO (a)	0.56	2.34
RTOPress	Press Regenerative Thermal Oxidizer 1	PM ₁₀	3.86	16.20
		VOC	1.00	4.20
		NO _x	8.56	35.94
		SO ₂	0.02	0.03
		CO	18.23	76.58
		HCHO (a)	0.28	1.17
		MDI (a)	<0.01	0.01
		C ₆ H ₅ OH (a)	0.07	0.21
S-1	Saw Line Baghouse (d)	PM ₁₀	0.83	3.49
S-2	Aspiration System (d)	PM ₁₀	0.27	1.13

AIR CONTAMINANTS DATA

Emission *	Source	Air Contaminant	<u>Emission Rates</u>	
Point No. (1)	Name (2)	Name (3)	<u>lb/hr</u>	<u>TPY</u>
	Baghouse			
S-3/4	Raw Fuel Bin (d) Baghouse	PM ₁₀	0.72	3.02
S-5	Mat Reject Baghouse (d)	PM ₁₀	0.11	0.07
S-6a	Sanderdust Baghouse (d)	PM ₁₀	0.28	1.18
S-6b	Sanderdust Baghouse (d)	PM ₁₀	1.12	4.93
S-7	Sanderdust Receiving Bin System Baghouse	PM ₁₀	0.02	0.09
S-8	Finish Fuel Baghouse (d)	PM ₁₀	0.38	1.60
S-9	Thermal Oil Heater Regrind 1.71 System Baghouse (d)	PM ₁₀		0.39
R-1	PF Tank 1 (4)	HCHO	0.01	<0.01
R-2	PF Tank 2 (4)	HCHO	0.01	<0.01
R-3	PF Work Tank (4)	HCHO	<0.01	<0.01
R-4	MDI Tank 1 (4)	MDI	<0.01	<0.01
R-5	MDI Tank 2 (4)	MDI	<0.01	<0.01
R-6	MDI Work Tank (4)	MDI	<0.01	<0.01
T-1 (c)	Gasoline Tank 1 (4)	VOC	0.16	0.51
		C ₆ H ₆ (a)	0.01	0.03
T-2 (c)	Gasoline Tank 2 (4)	VOC	0.16	0.51
		C ₆ H ₆ (a)	0.01	0.03

T-3	Diesel Tank 1 (4)	VOC	<0.01	<0.01
T-4	Diesel Tank 2 (4)	VOC	<0.01	<0.01
F-1	Log Processing (4)	TSP	0.02	0.08
		PM ₁₀	0.01	0.04
F-2	Roadways (4)	TSP	0.62	2.59
		PM ₁₀	0.31	1.29

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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)
 - TSP - total suspended particulate (including PM₁₀)
 - PM₁₀ - particulate matter less than 10 microns in diameter
 - 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.

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

Hrs/day _____ Days/week _____ Weeks/year _____ or Hrs/year 8,760

A total maximum dryer throughput of 75 tons per hour and 382,830 tons per year of dried wafers for all dryers; a total maximum press throughput of 64,000 ft² (3/8") per hour of waferboard; and a total maximum annual plant throughput of 410,000,000 square feet of 3/8 inch board processed on a finished product basis.

- (a) The emissions of individual organic compounds (i.e., formaldehyde, phenol, MDI, etc.) are included in the total VOC estimate.
- (b) Emission rates from these units are based on 8,400 operating hours per year.
- (c) Gasoline storage as per Texas Natural Resource Conservation Commission 30 TAC Chapter 115 (Regulation V). Very negligible emissions are expected from these sources. These tanks (T1 - T2) and Diesel Tanks (T3-T4) are registered under Exemption No. 14.
- (d) These baghouses exhaust through a cyclone.

Dated _____