

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 19695/PSD-TX-827

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		Air Contaminant		<u>Emission Rates *</u>	
	Name (2)	Name (3)	lb/hr	TPY		
RTO1 (a)	Dryer Regenerative Thermal Oxidizer 1		TSP		10.82	23.60
			PM10		10.82	23.60
			VOC		24.90	54.21
			NOx		27.71	114.13
			SO2		0.87	3.56
			CO		78.14	114.08
			HCHO (c)		0.23	0.26
RTO2 (a)	Dryer Regenerative Thermal Oxidizer 2		TSP		10.82	23.60
			PM10		10.82	23.60
			VOC		24.90	54.21
			NOx		27.71	114.13
			SO2		0.87	3.56
			CO		78.14	114.08
			HCHO (c)		0.23	0.26
RTO3	Press Regenerative Thermal Oxidizer		TSP		0.44	1.16
			PM10		0.44	1.16
			VOC		4.74	12.47
			NOx		0.28	1.23
			SO2		0.01	0.04
			CO		20.84	91.27
			HCHO (c)		0.41	1.25
			MDI		0.01	0.02
10	Press Fugitives (4)		C6H5OH		0.14	0.43
			TSP		0.47	1.23
			PM10		0.47	1.23
			VOC		4.99	13.13
			HCHO (c)		0.43	1.31
			MDI		0.01	0.02

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

		C6H5OH	0.14	0.46
11	Saw Line Baghouse	PM10	1.25	3.98

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	lb/hr	<u>Emission Rates *</u> TPY		
12	Fuel Meter Baghouse			PM10	1.50	6.57
13	Aspiration System Baghouse			PM10	0.73	3.20
14	Raw Fuel Grinder Baghouse			PM10	0.70	3.07
15	Sanderdust Baghouse			PM10	0.61	1.95
16	Mat Reject Baghouse			PM10	0.09	0.06
17	Debark Area (4)			TSP	0.02	0.08
				PM10	0.01	0.04
18	MDI Main Tanks (4)			MDI	<.01	<.01
20	MDI Work Tank (4)			MDI	<.01	<.01
22	Road Fugitives (4)			TSP	1.17	5.09
				PM10	0.60	2.54
23	PF Main Tanks (4)			HCHO	0.05	0.01
24	LPF Work Tank (4)			HCHO	0.01	0.01
26	Sanderdust Cyclone			TSP	0.61	1.95
				PM10	0.61	1.95

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

27	Edge Seal Fugitives (4)	VOC	2.33	6.85
28	Logo Fugitives (4)	VOC (5)	5.95	3.75
29 (b)	Gasoline Tank (4)	VOC	<.01	<.01
		C6H6	<.01	<.01
30	Diesel Tank (4)	VOC	0.51	0.02

- (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
VOC - volatile organic compounds as defined in General Rule 101.1
NOx - 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 and should not be considered as a maximum allowable emission rate.
- (5) VOC consists of VOC (0.96 pounds per hour [lbs/hr] and 0.60 tons per year [tons/yr]); Mineral Oil (4.61 lbs/hr and 2.89 tons/yr); and Isoparaffinic HC (0.38 lbs/hr and 0.24 tons/yr).

* 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 dryer throughput of 75 tons per hour and 326,811 tons/yr of dried wafers for all five dryers; a total maximum press throughput of 54,860 ft² (3/8") per hour of waferboard; and a total maximum annual plant throughput of 350,000,000 square feet of 3/8 inches board processed.

- (a) The emission rates shown on the emission rates table for RTO1 and RTO2 are the maximum emissions from either of the RTOs, but the combined emission rates for both RTO1 and RTO2 must not exceed the following:

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Pollutants	lbs/hr		tpy
TSP	16.65		36.30
PM10	16.65		36.30
VOC	38.30		54.21
NOx	67.87	286.15	
SO2	1.36		5.48
CO	78.14	114.08	
HCHO	0.35		0.40

- (b) Gasoline storage as per TNRCC Regulation V and very negligible emission is expected from this source.
- (c) Separate test data were used to estimate HCHO emissions and adding them to total VOC will amount to double counting.

Dated: _____