

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 19695

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**	Dryer Regenerative Thermal Oxidizer 1		TSP		15.43	64.80
			PM10 (a)		15.43	64.80
			VOC		2.00	8.40
			NOX		23.96	100.64
			SO2		0.87	3.56
			CO		18.23	76.58
			HCHO (b)		0.23	0.26
RTO2**	Dryer Regenerative Thermal Oxidizer 2		TSP		15.43	64.80
			PM10 (a)		15.43	64.80
			VOC		2.00	8.40
			NOX		23.96	100.64
			SO2		0.87	3.56
			CO		18.23	76.58
			HCHO (b)		0.23	0.26
RTO3	Press Regenerative Thermal Oxidizer		TSP		3.86	16.20
			PM10 (a)		3.86	16.20
			VOC		1.00	4.20
			NOX		8.56	35.94
			SO2		0.01	0.04
			CO		18.23	76.58
			HCHO (b)		0.41	1.25
			MDI (b)		0.01	0.03
11	Saw Line Baghouse		C6H5OH (b)		0.14	0.43
11	Saw Line Baghouse		TSP		1.25	3.98
			PM10 (a)		1.25	3.98
12	Fuel Meter Baghouse		TSP		1.50	6.57
			PM10 (a)		1.50	6.57

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13	Aspiration System Baghouse	TSP PM10 (a)	0.73 0.73	3.20 3.20
14	Raw Fuel Grinder Baghouse	TSP PM10 (a)	0.70 0.70	3.07 3.07
15	Sanderdust Baghouse	TSP PM10 (a)	0.61 0.61	1.95 1.95
16	Mat Reject Baghouse	TSP PM10 (a)	0.09 0.09	0.06 0.06
17	Debark Area (4)	TSP PM10 (a)	0.02 0.01	0.08 0.04
18	MDI Main Tanks (4)	MDI	<0.01	<0 .01
20	MDI Work Tank (4)	MDI	<0.01	<0.01
22	Road Fugitives (4)	TSP PM10 (a)	1.17 0.60	5.09 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 PM10 (a)	0.61 0.61	1.95 1.95
28	Logo Fugitives (4)	VOC (b)(5)	5.95	3.75
29***	Gasoline Tank (4)	VOC C6H6	<.01 <.01	<.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

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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 lb/hr and 0.60 t/yr); Mineral Oil (4.61 lb/hr and 2.89 t/yr); and Isoparaaffinic HC (0.38 lb/hr and 0.24 t/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 per year 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, on a finished product basis.

** Emission rates from the RTO1 and RTO2 are based on the RTOs' operation of 8400 hours per year.

*** Gasoline storage as per TNRCC Reg. V and very negligible emission is expected from this source.

(a) The PM10 is also counted as wood dust and both are already included in the total TSP estimate.

(b) The emissions of individual organic compounds (i.e. formaldehyde, phenol, MDI, etc.) are included in the total VOC estimate.

Dated _____