

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 8333

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
27	Spray Dryer Cyclone Stack	PM <sub>10</sub>	8.100	7.40
		SO <sub>2</sub>	0.215	0.20
		NO <sub>x</sub>	2.100	2.00
		CO	0.525	0.50
		VOC	0.042	0.04
28	Dryer Vent No. 1	PM <sub>10</sub>	0.010	0.52
		SO <sub>2</sub>	0.011	0.024
		NO <sub>x</sub>	0.080	0.166
		CO	0.017	0.035
		VOC	0.004	0.009
29	Dryer Vent No. 2	PM <sub>10</sub>	0.010	0.52
		SO <sub>2</sub>	0.011	0.024
		NO <sub>x</sub>	0.080	0.166
		CO	0.017	0.035
		VOC	0.004	0.009
30	Dryer Vent No. 3	PM <sub>10</sub>	0.010	0.52
		SO <sub>2</sub>	0.011	0.024
		NO <sub>x</sub>	0.080	0.166
		CO	0.017	0.035
		VOC	0.004	0.009
31	Dryer Vent No. 4	PM <sub>10</sub>	0.010	0.52
		SO <sub>2</sub>	0.011	0.024
		NO <sub>x</sub>	0.080	0.166
		CO	0.017	0.035

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			<u>lb/hr</u>	<u>TPY</u>
40	Decal Firing	VOC	0.058	0.084
43	Glazing Scrubber Stack	PM <sub>10</sub>	1.290	5.630
44	Scoring Baghouse Stack	PM <sub>10</sub>	0.400	1.300
45	Cleaning Baghouse Stack	PM <sub>10</sub>	0.040	0.180
46	Pressing No. 1 Baghouse Stack 9.550	PM <sub>10</sub>		2.180
47	Pressing No. 2 Baghouse Stack 1.860	PM <sub>10</sub>		0.420
48	Pressing No. 3 Baghouse Stack 0.960	PM <sub>10</sub>		0.220
74	Raw Material and Spray Dryer 0.055	PM <sub>10</sub>		0.540
	Scrubber Stack	SO <sub>2</sub>	0.011	0.001
		NO <sub>x</sub>	0.079	0.008
		CO	0.017	0.002
		VOC	0.004	<0.001
75	Fluid Bed Dryer Vent	PM <sub>10</sub>	0.006	<0.001
		SO <sub>2</sub>	0.007	<0.001
		NO <sub>x</sub>	0.050	0.001
		CO	0.011	<0.001
		VOC	0.003	<0.001
76	Vertical Dryer Vent	PM <sub>10</sub>	0.005	0.001
		SO <sub>2</sub>	0.005	0.001
		NO <sub>x</sub>	0.037	0.004
		CO	0.008	0.001
		VOC	0.002	<0.001

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			<u>lb/hr</u>	<u>TPY</u>
77	Box Dryer Vent	PM <sub>10</sub>	0.006	0.001
		SO <sub>2</sub>	0.007	0.001
		NO <sub>x</sub>	0.048	0.005
		CO	0.010	0.001
		VOC	0.003	<0.001

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
78	Roller Kiln Vent	PM <sub>10</sub>	0.006	0.015
		SO <sub>2</sub>	0.007	0.018
		NO <sub>x</sub>	0.048	0.124
		CO	0.010	0.026
		VOC	0.003	0.007
		HF	0.180	0.077
79	Roller Kiln No. 2	PM <sub>10</sub>	0.004	0.005
		SO <sub>2</sub>	0.004	0.006
		NO <sub>x</sub>	0.030	0.039
		CO	0.006	0.008
		VOC	0.002	0.002
		HF	0.180	0.036
80	Periodic Kiln Vent	PM <sub>10</sub>	0.005	<0.001
		SO <sub>2</sub>	0.006	<0.001
		NO <sub>x</sub>	0.043	0.002
		CO	0.009	<0.001
		VOC	0.002	<0.001
		HF	0.180	0.009
TK93	Roller Trim Kiln	PM <sub>10</sub>	0.98	4.29
		SO <sub>2</sub>	0.11	0.50

(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 PM<sub>10</sub>

PM<sub>10</sub> - particulate matter 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.

SO<sub>2</sub> - sulfur dioxide

NO<sub>x</sub> - total oxides of nitrogen

CO - carbon monoxide

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VOC - volatile organic compounds as defined in 30 Texas Administrative Code Section 101.1

HF - hydrogen fluoride

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

24 Hrs/day 7 Days/week 52 Weeks/year

EPN Spray Dryer Maximum Hours of Operation = 1,820 Hrs/year

Individual facility hours per year as represented in the permit application