

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	TSP	8.100	25.300
		PM ₁₀	8.100	25.300
		SO ₂	0.215	0.669
		NO _x	2.100	6.552
		CO	0.525	1.638
		VOC	0.042	0.130
28	Dryer Vent No. 1	TSP	0.250	0.520
		PM ₁₀	0.250	0.520
		SO ₂	0.011	0.024
		NO _x	0.080	0.166
		CO	0.017	0.035
		VOC	0.004	0.009
29	Dryer Vent No. 2	TSP	0.250	0.520
		PM ₁₀	0.250	0.520
		SO ₂	0.011	0.024
		NO _x	0.080	0.166
		CO	0.017	0.035
		VOC	0.004	0.009
30	Dryer Vent No. 3	TSP	0.250	0.520
		PM ₁₀	0.250	0.520
		SO ₂	0.011	0.024
		NO _x	0.080	0.166
		CO	0.017	0.035
		VOC	0.004	0.009

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
31	Dryer Vent No. 4	TSP	0.250	0.520
		PM ₁₀	0.250	0.520
		SO ₂	0.011	0.024
		NO _x	0.080	0.166
		CO	0.017	0.035
		VOC	0.004	0.009
32	Dryer Vent No. 5	TSP	0.250	0.520
		PM ₁₀	0.250	0.520
		SO ₂	0.011	0.024
		NO _x	0.080	0.166
		CO	0.017	0.035
		VOC	0.004	0.009
33	Dryer Vent No. 6	TSP	0.250	0.520
		PM ₁₀	0.250	0.520
		SO ₂	0.011	0.024
		NO _x	0.080	0.166
		CO	0.017	0.035
		VOC	0.004	0.009
34	Dryer Vent No. 7	TSP	0.250	0.520
		PM ₁₀	0.250	0.520
		SO ₂	0.011	0.024
		NO _x	0.080	0.166
		CO	0.017	0.035
		VOC	0.004	0.009
35	Dryer Vent No. 8	TSP	0.250	0.520
		PM ₁₀	0.250	0.520
		SO ₂	0.011	0.024
		NO _x	0.080	0.166
		CO	0.017	0.035
		VOC	0.004	0.009
36	Kiln Stack No. 1	TSP	0.300	1.314

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			<u>lb/hr</u>	<u>TPY</u>
		PM ₁₀	0.300	1.314
		SO ₂	0.049	0.213
		NO _x	0.340	1.489
		CO	0.071	0.313
		VOC	0.013	0.057
		Pb	0.004	0.018
		HF	0.040	0.173
37	Kiln Stack No. 2	TSP	0.300	1.314
		PM ₁₀	0.300	1.314
		SO ₂	0.049	0.213
		NO _x	0.340	1.489
		CO	0.071	0.313
		VOC	0.013	0.057
		Pb	0.004	0.018
		HF	0.040	0.173
38	Kiln Stack No. 3	TSP	0.300	1.314
		PM ₁₀	0.300	1.314
		SO ₂	0.049	0.213
		NO _x	0.340	1.489
		CO	0.071	0.313
		VOC	0.013	0.057
		Pb	0.004	0.018
		HF	0.040	0.173
39	Kiln Stack No. 4	TSP	0.300	1.314
		PM ₁₀	0.300	1.314
		SO ₂	0.049	0.213
		NO _x	0.340	1.489
		CO	0.071	0.313
		VOC	0.013	0.057
		Pb	0.004	0.018
		HF	0.040	0.173
43	Glazing Scrubber Stack	TSP	0.400	0.700
		PM ₁₀	0.400	0.700

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
		Pb	0.080	0.170
44	Scoring Baghouse Stack	TSP	0.400	1.300
		PM ₁₀	0.400	1.300
45	Cleaning Baghouse Stack	TSP	0.100	0.200
		PM ₁₀	0.100	0.200
46	Pressing No. 1 Baghouse Stack 7.200	TSP		2.300
		PM ₁₀	2.300	7.200
47	Pressing No. 2 Baghouse Stack 0.900	TSP		0.400
		PM ₁₀	0.400	0.900
48	Pressing No. 3 Baghouse Stack 0.500	TSP		0.300
		PM ₁₀	0.300	0.500
74	Raw Material and Spray Dryer 0.055	TSP		0.540
	Scrubber Stack	PM ₁₀	0.540	0.055
		SO ₂	0.011	0.001
		NO _x	0.079	0.008
		CO	0.017	0.002
		VOC	0.004	<0.001
75	Fluid Bed Dryer Vent	TSP	0.006	<0.001
		PM ₁₀	0.006	<0.001
		SO ₂	0.007	<0.001
		NO _x	0.050	0.001
		CO	0.011	<0.001
		VOC	0.003	<0.001

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			<u>lb/hr</u>	<u>TPY</u>
76	Vertical Dryer Vent	TSP	0.006	0.001
		PM ₁₀	0.006	0.001
		SO ₂	0.007	0.001
		NO _x	0.048	0.005
		CO	0.010	0.001
		VOC	0.003	<0.001
77	Box Dryer Vent	TSP	0.006	0.001
		PM ₁₀	0.006	0.001
		SO ₂	0.007	0.001
		NO _x	0.048	0.005
		CO	0.010	0.001
		VOC	0.003	<0.001
78	Roller Kiln Vent	TSP	0.006	0.015
		PM ₁₀	0.006	0.015
		SO ₂	0.007	0.018
		NO _x	0.048	0.124
		CO	0.010	0.026
		VOC	0.003	0.007
		HF	0.180	0.077
79	Roller Kiln No. 2	TSP	0.004	0.005
		PM ₁₀	0.004	0.005
		SO ₂	0.004	0.006
		NO _x	0.030	0.039
		CO	0.006	0.008
		VOC	0.002	0.002
		HF	0.180	0.036
80	Periodic Kiln Vent	TSP	0.005	<0.001
		PM ₁₀	0.005	<0.001
		SO ₂	0.006	<0.001
		NO _x	0.043	0.002
		CO	0.009	<0.001
		VOC	0.002	<0.001
		HF	0.180	0.009

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

- (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) VOC - volatile organic compounds as defined in General Rule 101.1
 - NO_x - total oxides of nitrogen
 - SO₂ - sulfur dioxide
 - TSP - total suspended particulate including PM₁₀
 - PM₁₀ - particulate matter less than 10 microns in diameter
 - CO - carbon monoxide
 - Pb - lead and lead compounds
 - 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
Individual facility hours per year as represented in the permit application

Dated _____