Emission Sources - Maximum Allowable Emission Rates

Permit Number 18330

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, sources, and related activities. 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	
			lbs/hour	TPY (4)
73	Railcar Unloading Baghouse Stack	PM/ PM_{10}/$PM_{2.5}$	0.08	0.36
25	Small Raymond Mill Baghouse Stack	PM/ PM_{10}/$PM_{2.5}$	1.17	0.59
		SO_2	<0.01	<0.01
		NO_x	0.08	0.04
		CO	0.06	0.03
		VOC	0.17	0.09
		HF	<0.01	<0.01
		HCl	<0.01	<0.01
50	Large Raymond Mill Baghouse Stack	PM/ PM_{10}/$PM_{2.5}$	1.76	7.70
		SO_2	<0.01	0.01
		NO_x	0.11	0.50
		CO	0.09	0.40
		VOC	0.26	1.12
		HF	<0.01	0.01
		HCl	<0.01	<0.01
44	Scrap Turbo Mixer Baghouse Stack	PM/ PM_{10}/$PM_{2.5}$	0.04	0.17
51	Silo Storage Bins Baghouse Stack	PM/ PM_{10}/$PM_{2.5}$	1.21	5.30
27	Spray Dryers 2 and 3 Cyclone Separator Stack	PM/ PM_{10}/$PM_{2.5}$	11.42	5.71
		SO_2	0.01	0.01

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27	Spray Dryers 2 and 3 Cyclone Separator Stack	NO_x	1.69	0.85
		CO	0.40	0.20
		VOC	0.74	0.37
		HF	0.14	0.07
		HCl	<0.01	<0.01
82	Spray Dryer 4 Baghouse Stack	PM/ PM_{10}/$PM_{2.5}$	1.65	7.21
		SO_2	0.43	1.89
		NO_x	0.84	3.67
		CO	3.10	13.58
		VOC	0.51	2.25
		HF	<0.01	0.01
		HCl	<0.01	0.02
74	Spray Dryer R&D Cyclone Separator Stack	PM/ PM_{10}/$PM_{2.5}$	0.23	0.12
		SO_2	<0.01	<0.01
		NO_x	0.03	0.02
		CO	0.01	<0.01
		VOC	0.01	0.01
		HF	<0.01	<0.01
		HCl	<0.01	<0.01
24	Body Prep Baghouse Stack	PM/ PM_{10}/$PM_{2.5}$	0.52	2.27
53	Bin Vents Baghouse Stack	PM/ PM_{10}/$PM_{2.5}$	0.20	0.87
69	Raw Material Storage Baghouse Stack	PM/ PM_{10}/$PM_{2.5}$	0.08	0.36
18	Press Baghouse Stack	PM/ PM_{10}/$PM_{2.5}$	0.43	0.22
21	Press Baghouse Stack	PM/ PM_{10}/$PM_{2.5}$	0.21	0.94

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22	Press Baghouse Stack	PM/ PM_{10}/$PM_{2.5}$	0.21	0.94
46	Press Baghouse Stack	PM/ PM_{10}/$PM_{2.5}$	1.33	5.81
47	Press Baghouse Stack	PM/ PM_{10}/$PM_{2.5}$	0.24	1.07
48	Press Baghouse Stack	PM/ PM_{10}/$PM_{2.5}$	0.30	1.30
83	Press Baghouse Stack	PM/ PM_{10}/$PM_{2.5}$	1.67	7.30
84	Tile Dryer 4	PM/ PM_{10}/$PM_{2.5}$	0.13	0.55
		SO_2	<0.01	<0.01
		NO_x	0.15	0.67
		CO	1.67	7.31
		VOC	1.18	5.17
85	Tile Dryer 6	PM/ PM_{10}/$PM_{2.5}$	0.13	0.55
		SO_2	<0.01	<0.01
		NO_x	0.15	0.67
		CO	1.67	7.31
		VOC	1.18	5.17
94	Tile Dryer 3	PM/ PM_{10}/$PM_{2.5}$	0.06	0.01
		SO_2	<0.01	<0.01
		NO_x	0.07	0.02
		CO	0.76	0.19
		VOC	0.54	0.13
96	Tile Dryer 2	PM/ PM_{10}/$PM_{2.5}$	0.05	0.01
		SO_2	<0.01	<0.01
		NO_x	0.06	0.01

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		CO	0.60	0.15
		VOC	0.43	0.11
76	Horizontal Dryer R&D	PM/ PM_{10}/$PM_{2.5}$	0.01	<0.01
		SO_2	<0.01	<0.01
		NO_x	0.02	<0.01
		CO	0.17	0.03
		VOC	0.12	0.02
77	Box Dryer R&D	PM/ PM_{10}/$PM_{2.5}$	0.01	<0.01
		SO_2	<0.01	<0.01
		NO_x	0.02	<0.01
		CO	0.17	0.03
		VOC	0.12	0.02
105	Deco Dryer R&D 1	PM/ PM_{10}/$PM_{2.5}$	0.04	0.01
		SO_2	<0.01	<0.01
		NO_x	0.05	0.01
		CO	0.54	0.09
		VOC	0.38	0.06
106	Deco Dryer R&D 2	PM/ PM_{10}/$PM_{2.5}$	0.04	0.01
		SO_2	<0.01	<0.01
		NO_x	0.05	0.01
106	Deco Dryer R&D 2	CO	0.54	0.09
		VOC	0.38	0.06
78	Large Kiln R&D	PM/ PM_{10}/$PM_{2.5}$	0.08	0.11
		SO_2	0.24	0.33
		NO_x	0.10	0.13

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		CO	0.06	0.08
		VOC	0.01	0.01
		HF	0.34	0.47
		HCl	0.12	0.16
		Pb	0.38	0.01
79	Small Kiln R&D	PM/ PM_{10}/$PM_{2.5}$	0.01	0.01
		SO_2	0.05	0.02
		NO_x	0.02	0.01
		CO	0.01	0.01
		VOC	<0.01	<0.01
		HF	0.06	0.03
		HCl	0.02	0.01
		Pb	0.07	<0.01
100	Wet Scrubber - Plant 2 Double Hearth Roller Kiln, Plant 3 Double Hearth Roller Kiln	PM/ PM_{10}/$PM_{2.5}$	1.26	0.63
		SO_2	1.21	0.60
		NO_x	1.53	0.77
		CO	1.70	0.85
		VOC	0.80	0.40
100	Wet Scrubber - Plant 2 Double Hearth Roller Kiln, Plant 3 Double Hearth Roller Kiln	HF	0.36	0.18
		HCl	0.17	0.09
99	Wet Scrubber - Plant 4 Double Hearth Roller Kilns 1 and 2	PM/ PM_{10}/$PM_{2.5}$	2.01	8.81
		SO_2	2.56	11.23
		NO_x	2.44	10.68
		CO	2.71	11.87

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		VOC	1.27	5.57
		HF	0.57	2.51
		HCl	0.21	0.91
114	Bullnose Kiln	PM/ PM_{10}/$PM_{2.5}$	0.13	0.06
		SO_2	<0.01	<0.01
		NO_x	0.03	0.02
		CO	0.74	0.37
		VOC	0.21	0.10
		HF	0.05	0.03
		HCl	0.02	0.01
78	Large Kiln R&D	PM/ PM_{10}/$PM_{2.5}$	0.08	0.11
		SO_2	0.24	0.32
		NO_x	0.10	0.13
		CO	0.06	0.08
		VOC	0.01	0.01
		HF	0.34	0.47
		HCl	0.12	0.16
78	Large Kiln R&D	Pb	0.38	0.01
79	Small Kiln R&D	PM/ PM_{10}/$PM_{2.5}$	0.01	0.01
		SO_2	0.05	0.02
		NO_x	0.02	0.01
		CO	0.01	0.01
		VOC	<0.01	<0.01
		HF	0.06	0.03
		HCl	0.02	0.01

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		Pb	0.07	<0.01
95	Curing Oven R&D	PM/ PM_{10}/$PM_{2.5}$	0.03	0.03
		SO_2	<0.01	<0.01
		NO_x	0.04	0.04
		CO	0.47	0.54
		VOC	0.35	0.40
98	Deco Kiln R&D	PM/ PM_{10}/$PM_{2.5}$	0.75	0.61
		SO_2	1.11	0.84
		NO_x	0.41	0.33
		CO	0.25	0.21
		VOC	0.02	0.02
		HF	1.45	1.20
		HCl	0.49	0.40
		Pb	1.61	0.10
104	Lab Kiln R&D	PM/ PM_{10}/$PM_{2.5}$	0.01	<0.01
		SO_2	0.01	0.01
		NO_x	<0.01	<0.01
		CO	<0.01	<0.01
		VOC	<0.01	<0.01
		HF	0.02	0.01
		HCl	0.01	<0.01
20	Tile Glaze Prep Scrubber Stack	PM/ PM_{10}/$PM_{2.5}$	0.09	0.39
43	Tile Glazing Scrubber Stack	PM/ PM_{10}/$PM_{2.5}$	0.93	4.08
88	Tile Glazing Baghouse Stack	PM/ PM_{10}/$PM_{2.5}$	0.67	2.95

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116	Spray Booth 1	PM/ PM_{10}/$PM_{2.5}$	0.08	0.16
		VOC	0.26	0.54
117	Spray Booth 2	PM/ PM_{10}/$PM_{2.5}$	0.08	0.16
		VOC	0.26	0.54
115	Bullnose Dryer	VOC	1.04	2.20
107	Plant 4 Process Fugitives	PM/ PM_{10}/$PM_{2.5}$	0.05	0.22
108	Plant 3 Process Fugitives	PM/ PM_{10}/$PM_{2.5}$	0.01	0.03
45	Portable General Plant Cleaning Baghouse	PM/ PM_{10}/$PM_{2.5}$	0.04	0.17

(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 - total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$, as represented
PM_{10} - total particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$, as represented
$PM_{2.5}$ - particulate matter equal to or less than 2.5 microns in diameter
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
CO - carbon monoxide
HF - hydrogen fluoride
HCl - hydrogen chloride
Pb - lead
(4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.

Date: _____