

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Flexible Permit Number 18330

his 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. See Attachment I for Source Name and Emission Point Number Index

HF EMISSION CAP

Source Name	Year	lb/hr	TPY
Scrubbers, Kilns, Milling, Spray Dryers	July 20, 2003 (Initial)	3.15	5.37
	February 4, 2005	3.15	5.07
	January 2007 (Final)	3.08	4.98

HCl EMISSION CAP

Source Name	Year	lb/hr	TPY
Scrubbers, Kilns, Milling, Spray Dryers	July 20, 2003 (Initial)	1.15	1.81
	February 4, 2005	1.15	1.81
	January 2007 (Final)	1.12	1.77

VOC EMISSION CAP

Source Name	Year	lb/hr	TPY
Scrubbers, Kilns, Milling Dryers, Curing Oven	July 20, 2003 (Initial)	9.68	22.35
	February 4, 2005	9.68	20.12
	January 2007 (Final)	11.05	23.93

NO_x EMISSION CAP

Source Name	Year	lb/hr	TPY
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Scrubbers, Kilns, Milling Dryers, Curing Oven	July 20, 2003 (Initial)	9.68	24.14
	February 4, 2005	9.65	19.10
	January 2007 (Final)	9.85	18.50

CO EMISSION CAP

Source Name	Year	lb/hr	TPY
Scrubbers, Kilns, Milling Dryers, Curing Oven	July 20, 2003 (Initial)	15.85	39.06
	February 4, 2005	15.85	38.03
	January 2007 (Final)	18.06	46.69

SO₂ EMISSION CAP

Source Name	Year	lb/hr	TPY
Scrubbers, Kilns, Milling Dryers, Curing Oven	July 20, 2003 (Initial)	6.50	16.72
	February 4, 2005	6.50	16.69
	January 2007 (Final)	5.88	15.56

PM/PM₁₀ EMISSION CAP

Source Name	Year	lb/hr	TPY
Scrubbers, Kilns, Milling Dryers, Curing Oven, Spray-up Booth	July 20, 2003 (Initial)	23.08	65.39
	February 4, 2005	23.08	34.51
	January 2007 (Final)	23.73	33.31

INDIVIDUAL EMISSION LIMITATIONS

EPN	Source Name	Year	Pollutant	lb/hr	TPY
78	Research & Development Kiln 1	November 2002	PM/Pb	0.38	0.01

79	Research & Development Kiln 2	November 2002	PM/Pb	0.07	<0.01
98	Deco Plant Single Hearth Roller Kiln		November 2002	1.72	PM/Pb 0.10
18	Pressing Baghouse	November 2002	PM/PM ₁₀	0.43	0.22
20	Tile Glazing Scrubber	November 2002	PM/PM ₁₀	0.09	0.39
21	Pressing Baghouse	November 2002	PM/PM ₁₀	0.21	0.94
22	Pressing Baghouse	November 2002	PM/PM ₁₀	0.21	0.94
24	Body Prep/Material Storage Baghouse	November 2002	PM/PM ₁₀	0.52	2.27
43	Tile Glazing Scrubber	November 2002	PM/PM ₁₀	0.93	4.08
44	Scrap Turbo Mixer Baghouse	November 2002	PM/PM ₁₀	0.04	0.17
45	Cleaning Baghouse	November 2002	PM/PM ₁₀	0.04	0.17
46	Pressing Baghouse	November 2002	PM/PM ₁₀	1.33	5.81
47	Pressing Baghouse	November 2002	PM/PM ₁₀	0.24	1.07
48	Pressing Baghouse	November 2002	PM/PM ₁₀	0.30	1.30
51	Weigh Bin Baghouse	November 2002	PM/PM ₁₀	1.21	5.30

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EPN	Source Name	Year	Pollutant	lb/hr	TPY
69	Raw Material Storage Baghouse	November 2002	PM/PM ₁₀	0.08	0.36
73	Railcar Unloading	November 2002	PM/PM ₁₀	0.08	0.36
83	Pressing Baghouse	November 2002	PM/PM ₁₀	1.67	7.30
88	Tile Glazing Scrubber	November 2002	PM/PM ₁₀	0.67	2.95
101	Gasoline Storage	November 2002	VOC	0.12	0.51
102	Diesel Storage	November 2002	VOC	<0.01	<0.01
53	Binvents Baghouse	November 2002	PM/PM ₁₀	0.20	0.87
103	Lab Exhaust Baghouse	November 2002	PM/PM ₁₀	0.03	0.11
68	Kerosene Storage	November 2002	VOC	<0.01	<0.01
107	Plant 4 Warehouse Fugitives* (4)	November 2002	PM/PM ₁₀	0.05	0.22
108	R&D Warehouse Fugitives (4)	August 2003	PM/PM ₁₀	0.01	0.02
109	4 - Emergency** Generators	August 2003	PM/PM ₁₀	0.04	<0.01
			CO	0.12	<0.01
			NO _x	0.41	0.01
			SO ₂	0.01	<0.01
			VOC	0.01	<0.01

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- (1) Emission point identification - either specific equipment designation or emission point number from a plot plan.
- (2) Specific point source names. For fugitive sources use area name or fugitive source name.
- (3) HF - hydrogen fluoride
HCl - hydrogen chloride
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
NO_x - total oxides of nitrogen
CO - carbon monoxide
SO₂ - sulfur dioxide
PM/Pb - lead as particulate matter
PM/PM₁₀ - particulate matter (PM), suspended in the atmosphere, including PM less than 10 microns in diameter
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

* Warehouse Fugitives include Emission Point Nos. 89, 90, 91, and 92.

** Totaled emission rates are derived from Plants 2, 3, 4, and R&D emergency generators.

Dated February 23, 2007