

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Flexible 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. 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
Scrubber, Kilns, Milling, Spray Dryers	November 2002	21.68	59.53
	July 20, 2003 (Final)	3.15	5.07

HCl EMISSION CAP

Source Name	Year	lb/hr	TPY
Scrubber, Kilns, Milling, Spray Dryers	November 2002	3.43	6.13
	July 20, 2003 (Final)	1.15	1.80

VOC EMISSION CAP

Source Name	Year	lb/hr	TPY
Scrubber, Kilns, Milling Dryers, Curing Oven	Final	9.68	20.12

NO_x EMISSION CAP

Source Name	Year	lb/hr	TPY
Scrubber, Kilns, Milling	Final	9.65	19.10

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Dryers, Curing Oven

CO EMISSION CAP

Source Name	Year	lb/hr	TPY
Scrubber, Kilns, Milling Dryers, Curing Oven	Final	15.85	38.03

SO₂ EMISSION CAP

Source Name	Year	lb/hr	TPY
Scrubber, Kilns, Milling Dryers, Curing Oven	Final	6.50	16.69

PM EMISSION CAP

Source Name	Year	lb/hr	TPY
Scrubber, Kilns, Milling Dryers, Curing Oven	Final	23.08	34.51

INDIVIDUAL EMISSION LIMITATIONS

EPN	Source Name	Year	Pollutant	lb/hr	TPY
78	Fast-Fire Kiln	Final	Pb	0.38	0.01
79	Fast-Fire Kiln	Final	Pb	0.07	<0.01

98	Fast-Fire Kiln	Final	Pb	1.72	0.34
18	Pressing Baghouse	Final	PM ₁₀	0.43	0.22
20	Tile Glazing Scrubber	Final	PM	0.09	0.39
21	Pressing Baghouse	Final	PM ₁₀	0.21	0.94
22	Pressing Baghouse	Final	PM ₁₀	0.21	0.94
24	Body Prep/Material Storage Baghouse	Final	PM ₁₀	0.52	2.27
43	Tile Glazing Scrubber	Final	PM	0.93	4.08
44	Scrap Turbo Mixer Baghouse	Final	PM ₁₀	0.04	0.17
45	Cleaning Baghouse	Final	PM ₁₀	0.04	0.17
46	Pressing Baghouse	Final	PM ₁₀	1.33	5.81
47	Pressing Baghouse	Final	PM ₁₀	0.24	1.07
48	Pressing Baghouse	Final	PM ₁₀	0.30	1.30
51	Weigh Bin Baghouse	Final	PM ₁₀	1.21	5.30
69	Raw Material Storage Baghouse	Final	PM ₁₀	0.08	0.36
73	Railcar Unloading	Final	PM	0.08	0.36
83	Pressing Baghouse	Final	PM ₁₀	1.67	7.30
88	Tile Glazing Scrubber	Final	PM	0.67	2.95

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INDIVIDUAL EMISSION LIMITATIONS

EPN	Source Name	Year	Pollutant	lb/hr	TPY
101	Gasoline Storage	Final	VOC	0.12	0.51
102	Diesel Storage	Final	VOC	<0.01	<0.01
53	Binvents (7) Baghouse	Final	PM ₁₀	0.20	0.87
103	Lab Exhaust Baghouse	Final	PM ₁₀	0.03	0.11
68	Kerosene Storage	Final	VOC	<0.01	<0.01
107	Plant 4 Warehouse Fugitives* (4)	Final	PM	0.05	0.22
108	R&D Warehouse Fugitives (4)	Final	PM	0.01	0.02
109	4 - Emergency** Generators	Final	PM ₁₀	0.04	<0.01
			VOC	0.01	<0.01
			CO	0.12	<0.01
			SO ₂	0.01	<0.01
			NO _x	0.41	0.01

(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) PM - particulate matter, suspended in the atmosphere, including PM₁₀
 PM₁₀ - 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.

SO₂ - sulfur dioxide

NO_x - total oxides of nitrogen

CO - carbon monoxide

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

HF - hydrogen fluoride

HCl - hydrogen chloride

Pb - lead

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(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 Plant 2, 3, 4, and R&D emergency generators.

Dated August 4, 2003