

## 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	July 20, 2003	3.15	5.37
	February 4, 2005 (Final)	3.15	5.07

### HCl EMISSION CAP

Source Name	Year	lb/hr	TPY
Scrubber, Kilns, Milling, Spray Dryers	July 20, 2003	1.15	1.81
	February 4, 2005 (Final)	1.15	1.80

### VOC EMISSION CAP

Source Name	Year	lb/hr	TPY
Scrubber, Kilns, Milling Dryers, Curing Oven	November 2002	9.68	22.35
	February 4, 2005 (Final)	9.68	20.12

### NO<sub>x</sub> EMISSION CAP

Source Name	Year	lb/hr	TPY
Scrubber, Kilns, Milling	November 2002	9.65	24.14

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Dryers, Curing Oven	February 4, 2005 (Final)	9.65	19.10
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### CO EMISSION CAP

Source Name	Year	lb/hr	TPY
Scrubber, Kilns, Milling Dryers, Curing Oven	November 2002	15.85	39.06
	February 4, 2005 (Final)	15.85	38.03

### SO<sub>2</sub> EMISSION CAP

Source Name	Year	lb/hr	TPY
Scrubber, Kilns, Milling Dryers, Curing Oven	November 2002	6.50	16.72
	February 4, 2005 (Final)	6.50	16.69

### PM EMISSION CAP

Source Name	Year	lb/hr	TPY
Scrubber, Kilns, Milling Dryers, Curing Oven	November 2002	23.08	65.39
	February 4, 2005 (Final)	23.08	34.51

### INDIVIDUAL EMISSION LIMITATIONS

EPN	Source Name	Year	Pollutant	lb/hr	TPY
78	Fast-Fire Kiln	November 2002	Pb	0.38	0.01
79	Fast-Fire Kiln	November 2002	Pb	0.07	<0.01

98	Fast-Fire Kiln	November 2002	Pb	1.72	0.34
18	Pressing Baghouse	November 2002	PM <sub>10</sub>	0.43	0.22
20	Tile Glazing Scrubber	November 2002	PM	0.09	0.39
21	Pressing Baghouse	November 2002	PM <sub>10</sub>	0.21	0.94
22	Pressing Baghouse	November 2002	PM <sub>10</sub>	0.21	0.94
24	Body Prep/Material Storage Baghouse	November 2002	PM <sub>10</sub>	0.52	2.27
43	Tile Glazing Scrubber	November 2002	PM	0.93	4.08
44	Scrap Turbo Mixer Baghouse	November 2002	PM <sub>10</sub>	0.04	0.17
45	Cleaning Baghouse	November 2002	PM <sub>10</sub>	0.04	0.17
46	Pressing Baghouse	November 2002	PM <sub>10</sub>	1.33	5.81
47	Pressing Baghouse	November 2002	PM <sub>10</sub>	0.24	1.07
48	Pressing Baghouse	November 2002	PM <sub>10</sub>	0.30	1.30
51	Weigh Bin Baghouse	November 2002	PM <sub>10</sub>	1.21	5.30
69	Raw Material Storage Baghouse	November 2002	PM <sub>10</sub>	0.08	0.36
73	Railcar Unloading	November 2002	PM	0.08	0.36
83	Pressing Baghouse	November 2002	PM <sub>10</sub>	1.67	7.30
88	Tile Glazing Scrubber	November 2002	PM	0.67	2.95

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## INDIVIDUAL EMISSION LIMITATIONS

EPN	Source Name	Year	Pollutant	lb/hr	TPY
101	Gasoline Storage	November 2002	VOC	0.12	0.51
102	Diesel Storage	November 2002	VOC	<0.01	<0.01
53	Binvents (7) Baghouse	November 2002	PM <sub>10</sub>	0.20	0.87
103	Lab Exhaust Baghouse	November 2002	PM <sub>10</sub>	0.03	0.11
68	Kerosene Storage	November 2002	VOC	<0.01	<0.01
107	Plant 4 Warehouse Fugitives* (4)	November 2002	PM	0.05	0.22
108	R&D Warehouse Fugitives (4)	August 2003	PM	0.01	0.02
109	4 - Emergency** Generators	August 2003	PM <sub>10</sub>	0.04	<0.01
			VOC	0.01	<0.01
			CO	0.12	<0.01
			SO <sub>2</sub>	0.01	<0.01
			NO <sub>x</sub>	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 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

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 September 2, 2003