

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 9540

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**
1	SFP-1 Kiln Scrubber	NO <sub>x</sub>	2.55	10.16
		VOC	1.80	7.18
		CO	16.45	65.48
		PM	6.85	27.29
		PM <sub>10</sub>	3.43	13.64
		SO <sub>2</sub>	26.18	104.2
		HF	0.73	2.88
		HCl	0.72	2.86
2	SFP-1 Dryer Room	NO <sub>x</sub>	0.10	0.44
		VOC	1.90	8.32
		CO	2.00	8.76
		PM	3.48	15.24
		PM <sub>10</sub>	1.74	7.62
		SO <sub>2</sub>	0.53	2.32
		HF	0.04	0.19
		HCl	0.06	0.25
3	SFP-1 Grog Crusher	PM	0.02	<0.01
		PM <sub>10</sub>	<0.01	<0.01
4	SFP-1 Dry Scrap Drop	PM	<0.01	<0.01
		PM <sub>10</sub>	<0.01	<0.01
5	SFP-1 Boiler 1.1 MMBtu/hr	NO <sub>x</sub>	0.11	0.48
		VOC	<0.01	0.03
		CO	0.09	0.41
		PM	<0.01	0.04
		PM <sub>10</sub>	<0.01	0.04
		SO <sub>2</sub>	<0.01	0.03

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			lb/hr	TPY**
6	SFP-1 Generator 3,000-hp	NO <sub>x</sub>	46.64	19.85
		VOC	6.61	2.88
		CO	56.22	24.45
		PM	2.65	1.15
		PM <sub>10</sub>	2.65	1.15
		SO <sub>2</sub>	6.15	2.68
7	500-Gallon Gasoline Tank	VOC	0.01	0.10
8	1,000-Gallon Diesel Tank	VOC	0.01	0.10
200	SFP-2 Kiln Scrubber	NO <sub>x</sub>	3.29	13.11
		VOC	2.33	9.27
		CO	21.22	84.47
		PM	0.44	1.76
		PM <sub>10</sub>	0.22	0.88
		SO <sub>2</sub>	23.64	94.13
		HF	0.94	3.74
		HCl	0.94	3.72
201	SFP-2 Dryer Room	NO <sub>x</sub>	0.13	0.57
		VOC	2.45	10.74
		CO	2.58	11.30
		PM	4.49	19.66
		PM <sub>10</sub>	2.24	9.83
		SO <sub>2</sub>	0.68	2.99
		HF	0.05	0.23
		HCl	0.07	0.32
202	SFP-2 Grog Crusher	PM	0.02	0.01
		PM <sub>10</sub>	0.01	0.01
203	SFP-2 Dry Scrap Drop Point	PM	0.01	0.01
		PM <sub>10</sub>	<0.01	0.01

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
204	SFP-2 Boiler 1.1 MMBtu/hr	NO <sub>x</sub>	0.11	0.48
		VOC	<0.01	0.03
		CO	0.09	0.41
		PM	<0.01	0.04
		PM <sub>10</sub>	<0.01	0.04
		SO <sub>2</sub>	<0.01	0.03
205	SFP-2 Generator 3,000-hp	NO <sub>x</sub>	45.64	19.85
		VOC	6.61	2.88
		CO	56.22	24.45
		PM	2.65	1.15
		PM <sub>10</sub>	2.65	1.15
		SO <sub>2</sub>	6.15	2.68
206	10,000-Gallon Diesel Tank	VOC	0.01	0.10
207	3,000-Gallon Gasoline Tank	VOC	0.01	0.10
209	SFP-2 Kiln Car Cleaner	PM	0.09	0.38
		PM <sub>10</sub>	0.09	0.38
210	Calcine Wet Scrubber	NO <sub>x</sub>	4.73	20.70
		VOC	0.22	0.97
		CO	3.48	15.22
		PM	2.09	9.13
		PM <sub>10</sub>	2.09	9.13
		SO <sub>2</sub>	4.17	18.26
		HF	0.07	0.31
		HCl	0.33	1.46
211	SFP-2 Crusher Dust Collector-Grog	PM	0.43	1.88
212	SFP-2 Crusher Dust Collector-Grinding	PM	0.43	1.88
213	SFP-2 Clay Crusher Dust Collector	PM	0.43	1.88

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
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214	SFP-2 Mfg Dust Collector-Slurry	PM	0.09	0.21
		PM <sub>10</sub>	0.09	0.21
215	SFP-2 Mfg Dust Collector-Dry Additives	PM	0.03	0.75
		PM <sub>10</sub>	0.03	0.75
216	SFP-2 Mfg Dust Collector-Dry Additives	PM	0.09	0.21
		PM <sub>10</sub>	0.09	0.21
217	SFP-2 Mfg Dust Collector-Pallet Cleaning	PM	0.09	0.21
		PM <sub>10</sub>	0.09	0.21
218	SFP-2 Kiln Waste Heat Dump Stack	NO <sub>x</sub>	0.15	0.68
		VOC	0.31	2.88
		CO	0.43	1.86
		PM	1.99	8.70
		PM <sub>10</sub>	0.99	4.35
		SO <sub>2</sub>	0.66	2.88
		HF	0.15	0.68
		HCl	0.22	0.96
219	Calcliner Alternative Fuels Silo	PM	0.09	0.21
		PM <sub>10</sub>	0.09	0.21
FUG 1	SFP-1 Grog Grinding Building (4)	PM	0.04	0.02
		PM <sub>10</sub>	0.01	0.01
FUG 2	SFP-1 Clay Grinding Building (4)	PM	0.09	0.14
		PM <sub>10</sub>	<0.01	<0.01
FUG 3	SFP-1 Manufacturing Building (4)	PM	0.05	0.10
		PM <sub>10</sub>	<0.01	0.01
FUG 5	SFP-1 Limestone Storage (4)	PM	0.10	0.40
		PM <sub>10</sub>	0.01	0.04

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FUG 6	Dry Additive Mixing Room Building (4)	PM	0.03	0.07
		PM <sub>10</sub>	<0.01	0.01
FUG 7	SFP-2 Grog Grinding Building (4)	PM	0.05	0.09
		PM <sub>10</sub>	0.02	0.04
FUG 8	SFP-2 Clay Grinding Building (4)	PM	0.08	0.91
		PM <sub>10</sub>	0.04	0.44
FUG 9	SFP-2 Manufacturing Building (4)	PM	0.67	1.83
		PM <sub>10</sub>	0.01	0.03
FUG 10	Calcliner Building (4)	PM	0.03	0.03
		PM <sub>10</sub>	0.01	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 an area name or fugitive source name.

(3) NO<sub>x</sub> - total oxides of nitrogen  
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1  
CO - carbon monoxide  
PM - particulate matter, suspended in the atmosphere, including PM<sub>10</sub>  
PM<sub>10</sub> - particulate matter equal to 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  
HF - hydrogen fluoride  
HCl - hydrogen chloride

(4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

- \* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

\_\_\_\_\_ Hrs/day \_\_\_\_\_ Days/week \_\_\_\_\_ Weeks/year or 8,760 Hrs/year

- \*\* Compliance with annual emission limits is based on a rolling 12-month period.

Dated August 15, 2007