

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 20688

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)	<u>Emission Rates</u>	
			lb/hr	TPY
1	Flash Calciner Bag Filter (vent)	PM/PM ₁₀	0.06	0.26
		NO _x	0.10	0.45
		SO ₂	<0.01	<0.01
		CO	0.09	0.38
		VOC	0.01	0.02
5A	Kiln No.1 (3 stacks)	PM/PM ₁₀	0.07	0.33
		NO _x	0.98	4.29
		SO ₂	0.01	0.03
		CO	0.82	3.61
		VOC	0.05	0.24
5B	Kiln No. 2 (3 stacks)	PM/PM ₁₀	0.07	0.33
		NO _x	0.98	4.29
		SO ₂	0.01	0.03
		CO	0.82	3.61
		VOC	0.05	0.24
5C	Kiln No. 3 (stack)	PM/PM ₁₀	0.15	0.68
		NO _x	0.69	3.01
		SO ₂	<0.01	0.02
		CO	0.58	2.52
		VOC	0.04	0.17
5C-1	Kiln No. 3 Cooling Air (stack)	PM/PM ₁₀	0.15	0.68
5D	Kiln No. 4 (stack)	PM/PM ₁₀	0.04	0.20
		NO _x	0.59	2.58
		SO ₂	0.01	0.02
		CO	0.50	2.16
		VOC	0.03	0.14

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates</u>	
			lb/hr	TPY
5E	Kiln No. 5			
	(direct vent)	PM/PM ₁₀	0.09	0.39
	(indirect vent)	PM/PM ₁₀	<0.01	<0.01
16A	Boiler No. 1 (stack)	PM/PM ₁₀	0.01	0.04
		NO _x	0.13	0.58
		SO ₂	<0.01	<0.01
		CO	0.11	0.49
		VOC	0.01	0.03
16B	Boiler No. 2 (stack)	PM/PM ₁₀	<0.01	0.03
		NO _x	0.10	0.43
		SO ₂	<0.01	<0.01
		CO	0.08	0.36
		VOC	0.01	0.02
17A	Hot Oil Heater No. 1 (stack)	PM/PM ₁₀	0.01	0.06
		NO _x	0.18	0.77
		SO ₂	<0.01	<0.01
		CO	0.15	0.65
		VOC	0.01	0.04
17B	Hot Oil Heater No. 2 (stack)	PM/PM ₁₀	0.02	0.07
		NO _x	0.20	0.86
		SO ₂	<0.01	<0.01
		CO	0.16	0.72
		VOC	0.01	0.05
18	Process Dryer Bag Filter (vent)	PM/PM ₁₀	0.03	0.15
19	RH Dryer No. 1 (stack)	PM/PM ₁₀	0.01	0.02
		NO _x	0.07	0.32
		SO ₂	<0.01	<0.01
		CO	0.06	0.27
		VOC	<0.01	0.02

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates</u>	
			lb/hr	TPY
20	Tornesh Dryer (baghouse)	PM/PM ₁₀	0.15	0.68
		NO _x	0.02	0.52
		SO ₂	<0.01	<0.01
		CO	0.10	0.43
		VOC	0.01	0.03
21	Micronizer Bag Filter 1 (vent)	PM/PM ₁₀	0.03	0.15
22	Vacuum System Bag Filter (vent)	PM/PM ₁₀	0.17	0.26
23	Micronizer Bag Filter 2 (vent)	PM/PM ₁₀	0.01	0.06
FUG1	Warehouse Fugitives (4)	PM/PM ₁₀	0.50	0.35
	a.) RH Dust Collector (baghouse)	PM/PM ₁₀	0.02	0.07
	b.) BM Dust Collector (baghouse)	PM/PM ₁₀	0.02	0.08
	c.) Process Fugitives	PM/PM ₁₀	0.43	0.17
	d.) Dust Collector (RH Scale Transfer)	PM/PM ₁₀	<0.01	0.01
	e.) Dust Collector (Screen Room)	PM/PM ₁₀	<0.01	0.01
FUG2	f.) Dust Collector (Kiln Room)	PM/PM ₁₀	<0.01	0.01
	Kiln No. 3 Fugitives (4)	PM/PM ₁₀	0.19	0.26

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- (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 suspended particulate, including PM₁₀
PM₁₀ - particulate matter equal to or less than 10 microns in diameter
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
NO_x - total oxides of nitrogen
SO₂ - sulfur dioxide
CO - carbon monoxide
- (4) Fugitive emissions are an estimate only.

Date April 13, 2006