

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 45073

This table lists the maximum allowable emission rates and all sources of air contaminants on the applicants 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
10	Drop Points (4)	PM		1.75	0.09
		PM ₁₀	0.07	0.01	
19	Holding Room (4)	PM ₁₀		<0.01	<0.01
		NO _x	<0.01	<0.01	
		SO ₂	<0.01	<0.01	
		VOC	<0.01	<0.01	
		CO	<0.01	<0.01	
		HCl	<0.01	<0.01	
		HF	<0.01	<0.01	
20	Holding Room (4)	PM ₁₀		<0.01	<0.01
		NO _x	<0.01	<0.01	
		SO ₂	<0.01	<0.01	
		VOC	<0.01	<0.01	
		CO	<0.01	<0.01	
		HCl	<0.01	<0.01	
		HF	<0.01	<0.01	
21	Dryer B1	PM ₁₀		0.06	0.27
		NO _x	0.01	0.03	
		SO ₂	0.01	0.03	
		VOC	0.14	0.60	
		CO	0.57	2.51	
		HCl	<0.01	<0.01	
		HF	<0.01	<0.01	

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)		Emission Rates *	
				lb/hr	TPY
22	Dryer B2	PM ₁₀		0.06	0.27
			NO _x	0.01	0.03
			SO ₂	0.01	0.03
			VOC	0.14	0.60
			CO	0.57	2.51
			HCl	<0.01	<0.01
			HF	<0.01	<0.01
23	Dryer B3	PM ₁₀		0.06	0.27
			NO _x	0.01	0.03
			SO ₂	0.01	0.03
			VOC	0.14	0.60
			CO	0.57	2.51
			HCl	<0.01	<0.01
			HF	<0.01	<0.01
24	Dryer B4	PM ₁₀		0.06	0.27
			NO _x	0.01	0.03
			SO ₂	0.01	0.03
			VOC	0.14	0.60
			CO	0.57	2.51
			HCl	<0.01	<0.01
			HF	<0.01	<0.01
25	B Kiln Scrubber Exhaust	PM		11.45	50.16
			PM ₁₀	3.82	16.73
			NO _x	1.35	5.91
			SO ₂	13.62	59.66
			VOC	1.78	7.80
			CO	20.43	89.48
			HCl	2.00	8.76
			HF	0.14	0.61

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)		Emission Rates *	
				lb/hr	TPY
26	B Kiln Undercar Exhaust (4)	PM		<0.01	<0.01
		PM ₁₀	<0.01	<0.01	
		NO _x	<0.01	<0.01	
		SO ₂	<0.01	<0.01	
		VOC	<0.01	<0.01	
		CO	<0.01	<0.01	
		HCl	<0.01	<0.01	
		HF	<0.01	<0.01	
40	Holding Room (4)	PM ₁₀		<0.01	<0.01
		NO _x	<0.01	<0.01	
		SO ₂	<0.01	<0.01	
		VOC	<0.01	<0.01	
		CO	<0.01	<0.01	
		HCl	<0.01	<0.01	
		HF	<0.01	<0.01	
51, 53, 54, 56, and 57	Material Handling Drop Points (4)	PM		14.00	5.40
		PM ₁₀		0.56	0.22
52	Disintegrator No. 2 (4)	PM		0.13	0.05
		PM ₁₀	0.05	0.02	
55 and 55a	Calciner Screen (4)	PM		0.84	0.26
		PM ₁₀	0.08	0.03	
58	Calciner Wet Scrubber	PM ₁₀		4.95	22.00
		NO _x	3.61	16.00	
		SO ₂	30.00	131.00	
		VOC	0.11	0.48	
		CO	5.66	25.00	
		HCl	0.24	1.05	
		HF	0.05	0.22	
FUG-1	B - Plant Manufacturing Building (4)	PM		0.11	0.50
		PM ₁₀		0.11	0.50

FUG - 2#	B - Plant Grind Building (4)	PM		0.53	1.55
		PM ₁₀	0.53	1.55	
FUG - 3	A - Plant Building (4)	PM		0.11	0.50
		PM ₁₀	0.11	0.50	
FUG - 4	Clay Stockpile (4)	PM		--	16.90
		PM ₁₀	--	8.40	
FUG-5	Vehicle (Machinery) (4)	PM		--	12.00
		PM ₁₀	--	6.00	

- (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) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
NO_x - total oxides of nitrogen
SO₂ - sulfur dioxide
PM - particulate matter, suspended in the atmosphere, including PM₁₀.
PM₁₀ - 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.
CO - carbon monoxide
HCl - hydrogen chloride
HF - hydrogen fluoride
- (4) Fugitive emissions are an estimate only.

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

24 Hrs/day 7 Days/week 52 Weeks/year

Dryers B1, B2, B3, and B4 are limited to a maximum temperature of 600°F.

Kiln B is limited to a maximum temperature of 2300°F

The calciner is limited to a maximum temperature of 1800°F

- # Fugitive emissions including exhaust from the newly installed baghouse (FIN 27) that vents into the building

Dated August 12, 2004