

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 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
10	Drop Points (4)	PM	1.75	0.09
		PM ₁₀ 0.07	0.01	
19	Holding Room (4)	PM/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/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/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/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/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/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
26	B Kiln Undercar Exhaust (4)	PM/PM ₁₀	<0.01	<0.01

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
		NO _x	<0.01	
		SO ₂	<0.01	
		VOC	<0.01	
		CO	<0.01	
		HCl	<0.01	
		HF	<0.01	
40	Holding Room (4)	PM/PM ₁₀	<0.01	<0.01
		NO _x	<0.01	
		SO ₂	<0.01	
		VOC	<0.01	
		CO	<0.01	
		HCl	<0.01	
		HF	<0.01	
51, 53, 54, and 56	Material Handling Drop Points (4)	PM	0.04	0.01
		PM ₁₀	0.01	
57	Calcine Drop Point (4)	PM	0.23	0.09
		PM ₁₀	0.04	
52	Disintegrator No. 2 (4)	PM	0.13	0.05
		PM ₁₀	0.02	
55 and 55a	Calciner Screen (4)	PM	0.84	0.26
		PM ₁₀	0.03	
58	Calciner Wet Scrubber	PM/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	PM	0.11	0.50

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
	Buliding (4)	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) 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 PM greater than 10 microns is emitted.

NO_x - total oxides of nitrogen

SO₂ - sulfur dioxide

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

CO - carbon monoxide

HCl - hydrogen chloride

HF - hydrogen fluoride

(4) Fugitive emissions are an estimate only.

Date February 11, 2005