

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 56206

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 and 2a - e	Disintegrator Material Handling (4)	PM (total)	0.07	0.03
		PM ₁₀ (total)	0.03	0.01
2	Primary Disintegrator (4)	PM	0.16	0.06
		PM ₁₀	0.06	0.02
3	Gleason Shredder Feed (4)	PM	0.10	0.02
		PM ₁₀	0.04	0.01
4 and 4a	Gleason Drop Points (4)	PM (total)	0.02	0.01
		PM ₁₀ (total)	0.01	0.01
5	Gleason Shredder Discharge (4)	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
32	Grog Crusher (4)	PM	0.08	<0.01
		PM ₁₀	0.03	<0.01
38 and 38a	Material Handling Drop Points (4)	PM ₁₀	<0.01	<0.01
41	C Dryer	PM ₁₀	0.08	0.36
		NO _x	0.01	0.03
		SO ₂	0.01	0.04
		VOC	0.18	0.80
		CO	0.77	3.37
		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)	<u>Emission Rates **</u>	
			<u>lb/hr</u>	<u>TPY</u>
42	C Kiln	PM	3.96	17.33
		PM ₁₀	3.59	15.70
		NO _x	1.44	6.32
		SO ₂	5.61	24.58
		VOC	0.73	3.21
		CO	8.42	36.88
		HCl	0.82	3.61
		HF	1.69	7.40
43	A Dryer	PM ₁₀	0.08	0.36
		NO _x	0.01	0.03
		SO ₂	0.01	0.04
		VOC	0.18	0.80
		CO	0.77	3.37
		HCl	<0.01	<0.01
		HF	<0.01	<0.01
44	A Kiln	PM	3.96	17.33
		PM ₁₀	3.59	15.70
		NO _x	1.44	6.32
		SO ₂	5.61	24.58
		VOC	0.73	3.21
		CO	8.42	36.88
		HCl	0.82	3.61
		HF	1.69	7.40
99	Diesel Fuel Tank	VOC	<0.01	<0.01

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- (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 particulate matter 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.

** 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

See Special Condition No.1 for maximum production limits for A-Kiln and C-Kiln.

Dated July 28, 2004