

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 19430

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
6	Furnace No. 1 Baghouse/Scrubber Stack	PM	2.46	10.81
		PM ₁₀	2.46	10.81
		Pb	0.44	1.92
		Sn	0.53	2.32
		Sb	0.005	0.02
		Cd	0.004	0.02
		As	0.006	0.03
		SO ₂	15.00	66.00
		VOC	3.80	16.60
		HBr	1.20	5.30
		HCl	0.40	1.70
		CO	6.00	26.00
		NO _x	1.10	4.80
P-12	Shredder Baghouse Stack	PM	0.02	0.02
		PM ₁₀	0.02	0.02
		Pb	0.009	0.027
P-13	Ball Mill Baghouse Stack	Sn	0.004	0.013
		Pb	0.0007	0.002
		Cu	<0.01	<0.01
		Ag	<0.01	<0.01
14	Furnace Fugitives Baghouse Stack	PM	0.128	0.56
		PM ₁₀	0.128	0.56
		Pb	0.38	1.70
		Sn	0.46	2.00
15	Refining Kettles Baghouse Stack	PM	0.10	0.438
		PM ₁₀	0.10	0.438
		Pb	0.007	0.03
		Sn	0.009	0.04
		SO ₂	0.005	0.02

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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
16	Refining Kettle Combustion Gas Vent	CO	0.25	1.10
		SO ₂	0.007	0.03
		NO _x	1.30	5.70
P-17	Blender/Dryer Baghouse Stack	PM	0.05	0.14
		PM ₁₀	0.05	0.14
		Sn	0.07	
		Pb	0.004	

(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 - 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.

Pb - lead and lead compounds

Sn - tin and tin compounds

Sb - antimony and antimony compounds

Cd - cadmium and cadmium compounds

As - arsenic and arsenic compounds

SO₂ - sulfur dioxide

VOC - volatile organic compounds as defined in 30 Texas Administrative Code Chapter 101.1

HBr - hydrogen bromide

HCl - hydrogen chloride

CO - carbon monoxide

NO_x - total oxides of nitrogen

Cu - copper

Ag - silver

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

24 Hours/day 7 Days/week 52 Weeks/year or 8,760 Hours/year

Maximum Rotary Furnace Charging Rates: 4 Tons/hour 35,000 Tons/year

Dated August 25, 2000