

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>	
			<u>lb/hr</u>	<u>TPY</u>
6	Furnace No. 1 Baghouse Stack	TSP	2.560	11.200
		PM ₁₀	2.560	11.200
		Pb	0.440	1.920
		Sn	0.530	2.320
		Sb	0.005	0.020
		Cd	0.004	0.020
		As	0.006	0.030
		SO ₂	15.000	66.000
		VOC	3.800	16.600
		HBr	1.20	5.300
		HCl	0.400	1.700
		CO	6.000	26.000
		NO _x	1.100	4.800
14	Furnace Fugitives Baghouse Stack	TSP	0.128	0.560
		PM ₁₀	0.128	0.560
		Pb	0.380	1.700
		Sn	0.46	2.000
15	Refining Kettles Baghouse Stack	TSP	0.001	0.040
		PM ₁₀	0.001	0.040
		Pb	0.007	0.030
		Sn	0.009	0.040
		SO ₂	0.005	0.020
16	Refining Kettle Combustion Gas Vent	CO	0.250	1.100
		SO ₂	0.007	0.030
		NO _x	1.300	5.700
17	Coke Silo Baghouse Stack	TSP	0.171	0.750
		PM ₁₀	0.171	0.750

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18	Soda Ash	TSP	0.171	0.750
	Baghouse Stack	PM ₁₀	0.171	0.750

(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) TSP - total suspended particulate matter including PM₁₀

PM₁₀ - particulate matter less than 10 microns

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 General Rule 101.1

HBr - hydrogen bromide

HCl - hydrogen chloride

CO - carbon monoxide

NO_x - total oxides of nitrogen

* 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_____