

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

21925

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		Air Contaminant lb/hr TPY	<u>Emission Rates *</u>	
	Name (2)	Name (3)			
1	Zinc Kettle Baghouse Stack		ZnO	0.007	0.012
			ZnCl ₂	0.002	0.004
			NH ₄ CL	<0.001	<0.001
2.	Zinc Kettle Furnace Stack		NO _x	0.375	0.540
			CO	0.075	0.110
			VOC	<0.001	<0.001
			SO ₂	0.002	<0.001
			THC	0.030	0.040
			PM ₁₀	0.011	0.020
3.	Caustic Tank Heater Stack		NO _x	0.008	0.012
			CO	0.002	0.003
			THC	<0.001	0.001
			VOC	0.000	0.000
			SO ₂	<0.001	<0.001
			PM ₁₀	<0.001	0.001
4.	Preflux Tank Heater Stack		NO _x	0.010	0.014
			CO	0.002	0.003
			THC	<0.001	0.001
			VOC	0.000	0.000
			SO ₂	<0.001	<0.001
			PM ₁₀	<0.001	<0.001
FE-1	Fugitives (4) Zinc Tank		ZNO	0.07	0.14
			ZNCL ₂	0.02	0.04
			NH ₄ CL	0.002	0.004
FE-2	Fugitives(4)		HCl	0.018	0.046

Acid Dip Tank

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- (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)
 - HCl - hydrogen chloride
 - PM10 - particulate matter less than 10 microns
 - VOC - volatile organic compounds as defined in General Rule 101.1
 - NOx - total oxides of nitrogen
 - SO2 - sulfur dioxide
 - CO - carbon monoxide
 - ZnO - zinc oxide
 - ZnCl2 - zinc chloride
 - NH4CL - ammonium chloride
 - THC - total hydrocarbons
 - (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- * Emission rates are based on a maximum daily throughput of 100 tons of galvanized steel and a maximum annual throughput of 18,000 tons of galvanized steel and the facilities are limited by the following maximum operating schedule:

Hrs/day 24 Days/week 6 Weeks/year 52 or Hrs/year 7,488

