

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 4479

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	Zinc Kettle Bag Filter	PM ₁₀ (5)	0.003	< 0.01
		NH ₄ Cl	0.002	< 0.01
		ZnO	< 0.001	< 0.002
		ZnCl ₂	<0.0002	< 0.001
		Zn	<0.0002	< 0.001
2	Zinc Kettle Heater Stack	NO _x	0.10	0.37
		CO	0.09	0.31
		VOC	<0.01	0.02
		SO ₂	<0.01	<0.01
		PM ₁₀	<0.01	0.03
3	Steam Boiler Heater Stack	NO _x	0.10	0.19
		CO	0.09	0.16
		VOC	<0.01	0.01
		SO ₂	<0.01	<0.01
		PM ₁₀	<0.01	0.02
4	Pickle Tank Scrubber Stack	HCl	< 0.002	< 0.001
FE1	Building Fugitives (4) Zinc Kettle	PM (5)	0.03	0.10
		NH ₄ Cl	0.02	0.07
		ZnO	<0.01	0.02
		ZnCl ₂	< 0.01	<0.01
		Zn	<0.01	<0.01
		HCl	<0.004	<0.002

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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) PM - particulate matter, suspended in the atmosphere, includes PM₁₀.
PM₁₀ - particulate matter (PM) 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.
NH₄Cl - ammonium chloride
ZnO - zinc oxide
ZnCl₂ - zinc chloride
Zn - zinc
NO_x - total oxides of nitrogen
CO - carbon monoxide
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
SO₂ - sulfur dioxide
HCl - hydrogen chloride
 - (4) Fugitive emissions are an estimate only.
 - (5) Includes NH₄Cl, ZnO, ZnCl₂, and Zn
- * Emission rates are based on a maximum daily production of 24,000 pounds and a maximum annual production of 3,750 tons of galvanized steel, a maximum annual use of 305 tons of zinc, and a maximum concentration of 20 percent weight/weight HCl in the pickle tanks, and the facilities are limited by the following maximum operating schedule:

Hrs/day 24 Days/week 7 Weeks/year 52 not to exceed Hrs/year 7,488

Dated _____