

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 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)	Name (3)	Air Contaminant lb/hr TPY	<u>Emission Rates *</u>	
1	Zinc Kettle Bag Filter		PM <sub>10</sub> (5) NH <sub>4</sub> Cl ZnO Zncl <sub>2</sub> Zn	<0.002 <0.001 <0.001 <0.0001 <0.0001	<0.004 <0.003 <0.001 <0.001 <0.001
2	Zinc Kettle Heater Stack		NO <sub>x</sub> CO VOC SO <sub>2</sub> PM <sub>10</sub>	0.095 0.019 0.0001 0.0006 0.003	0.139 0.028 0.0001 0.0008 0.004
3	Steam Boiler Heater Stack		NO <sub>x</sub> CO VOC SO <sub>2</sub> PM <sub>10</sub>	0.096 0.019 0.0001 0.0006 0.003	0.105 0.021 0.0001 0.0006 0.003
FE1	Fugitives (4)  Acid Dip Tanks		HCl	<0.006	<0.012
FE2	Fugitives (4) Zinc Kettle		PM <sub>10</sub> (5) NH <sub>4</sub> Cl ZnO Zncl <sub>2</sub> Zn	0.018 0.012 0.003 <0.001 <0.001	0.040 0.027 0.007 0.002 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, includes PM<sub>10</sub>
  - PM<sub>10</sub> - particulate matter less than 10 microns
  - VOC - volatile organic compounds as defined in General Rule 101.1
  - NO<sub>x</sub> - total oxides of nitrogen
  - SO<sub>2</sub> - sulfur dioxide
  - CO - carbon monoxide
  - ZnO - zinc oxide
  - ZnCl<sub>2</sub> - zinc chloride
  - NH<sub>4</sub>Cl - ammonium chloride
  - Zn - zinc
  - HCl - hydrogen chloride
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) Includes NH<sub>4</sub>Cl, ZnO, ZnCl<sub>2</sub>, and Zn

\* Emission rates are based on a maximum daily production of 11,500 pounds, a maximum annual production of 1,500 tons of galvanized steel, a maximum daily use of 960 pounds of zinc, a maximum annual use of 125 tons of zinc, and the facilities are limited by the following maximum operating schedule:

Hrs/day 17 Days/week 5 Weeks/year 52 or Hrs/year 4,420