

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) | Air Contaminant Name (3) | Emission Rates * | |
|---------------------------|-------------------------------|-----------------------------|------------------|---------|
| | | | lb/hr | TPY |
| 1 | Zinc Kettle Bag Filter | PM ₁₀ (5) | 0.002 | < 0.005 |
| | | NH ₄ CL | < 0.002 | < 0.004 |
| | | ZnO | < 0.001 | < 0.001 |
| | | ZNCL ₂ | < 0.0001 | < 0.001 |
| | | Zn | < 0.0001 | < 0.001 |
| 2 | Zinc Kettle Heater Stack | NO _x | 0.095 | 0.139 |
| | | CO | 0.019 | 0.028 |
| | | VOC | 0.0001 | 0.0001 |
| | | SO ₂ | 0.0006 | 0.0008 |
| | | PM ₁₀ | 0.003 | 0.004 |
| 3 | Steam Boiler Heater Stack | NO _x | 0.096 | 0.105 |
| | | CO | 0.019 | 0.021 |
| | | VOC | 0.0001 | 0.0001 |
| | | SO ₂ | 0.0006 | 0.0006 |
| | | PM ₁₀ | 0.003 | 0.003 |
| 4 | Pickle Tank Scrubber Stack | HCl | < 0.002 | < 0.003 |
| FE1 | Acid Pickle Tank (4) | HCl | < 0.004 | < 0.002 |
| FE2 | Fugitives (4) Zinc Kettle | PM (5) | 0.018 | 0.040 |
| | | NH ₄ CL | 0.012 | 0.027 |
| | | ZnO | 0.003 | 0.007 |
| | | ZNCL ₂ | < 0.001 | 0.002 |
| | | Zn | < 0.001 | 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_{10}
 - PM_{10} - particulate matter less than 10 microns
 - VOC - volatile organic compounds as defined in General Rule 101.1
 - NO_x - total oxides of nitrogen
 - SO_2 - sulfur dioxide
 - CO - carbon monoxide
 - ZnO - zinc oxide
 - $ZnCl_2$ - zinc chloride
 - NH_4Cl - 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_4Cl , ZnO, $ZnCl_2$, and Zn
- * Emission rates are based on a maximum daily production of 15,000 pounds and a maximum annual production of 1,950 tons of galvanized steel, a maximum annual use of 163 tons of zinc, and a maximum concentration of 20 percent w/w HCl in the pickle tanks, 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

Dated _____