EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 20662

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)	0.40	0.96
		NH_4Cl	0.272	0.65
		ZnO	0.063	0.15
		$ZnCl_2$	0.014	0.04
		Zn	0.019	0.05
		NH_3	0.004	<0.01
FE1	Zinc Kettle (4)	PM_{10} (5)	0.420	1.0
		NH_4Cl	0.286	0.68
		ZnO	0.066	0.16
		Zn	0.021	0.05
		$ZnCl_2$	0.015	0.04
		NH_3	0.004	0.01
3	Zinc Kettle Burner Stack	NO_x	1.848	5.032
		CO	0.462	1.258
		VOC	0.019	0.051
		SO_2	0.008	0.022
		PM_{10}	0.082	0.223
4	Primary Gas Boiler Stack	NO_x	0.0114	0.0214
		CO	0.0049	0.0091
		VOC	0.0009	0.0017
		SO_2	0.0001	0.0001
		PM_{10}	<0.0001	<0.0001
5	Roof Fan 1 (6)	HCl	0.085	0.088
6	Roof Fan 2 (6)	HCl	0.085	0.088

7	Roof Fan 3 (6)	HCl	0.085	0.088
10	Roof Fan 4 (6)	HCL	0.085	0.088

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
8A	Cooling Tower (7)	Cr VI	<0.00005	<0.00015
8B	Cooling Tower (7)	Cr VI	<0.00005	<0.00015
9	Quench Tank (4)	Cr VI	<0.00008	<0.0004

(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_{10} - particulate matter 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.
NH_4Cl - ammonium chloride
ZnO - zinc oxide
Zn - zinc
$ZnCl_2$ - zinc chloride
NH_3 - ammonium
NO_x - total oxides of nitrogen
CO - carbon monoxide
VOC - volatile organic compounds as defined in General Rule 101.1

SO_2 - sulfur dioxide
HCl - hydrogen chloride
Cr VI - chromium

(4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

(5) Includes NH_4Cl, NH_3, ZnO, $ZnCl_2$, and Zn.

(6) Total HCl emissions from the roof fans shall not exceed the sum of the individual emission point values; however, the emissions from any one fan outlet may exceed the listed emission rate for the individual fan outlet.

(7) Total Cr VI emissions from the cooling towers shall not exceed the sum of the individual emission point values; however, the emissions from either cooling tower may exceed the listed emission rate for the individual cooling tower.

* Emission rates are based on a maximum daily production of 774,000 pounds, a maximum annual production of 77,500 tons of galvanized steel, a maximum annual use of 6,500 tons of zinc, and the facilities are limited by the following maximum operating schedule:

Hrs/day 24 Days/week 7 Weeks/year 52

Dated ____