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	0.113	0.117
6	Roof Fan 2 (6)	HCl	0.113	0.117
7	Roof Fan 3 (6)	HCl	0.113	0.117

8	Cooling Tower	Cr VI	<0.0001	<0.0003
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
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_3 - ammonium
NH_4Cl - ammonium chloride
Zn - zinc
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.

* Emission rates are based on a maximum daily production of 774,000 pounds and a maximum annual production of 77,500 tons of galvanized steel and 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 _____