EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 38041

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
Stack 5	Kettle Baghouse Stack	PM_{10}	0.558	2.45
		NH_4Cl	0.379	1.666
		ZnO	0.014	0.392
		$ZnCl_2$	0.022	0.098
		Zn	0.028	0.122
		NH_3	0.006	0.025
Fugitive 6	Kettle 2 Galvanizing Area (4) 0.416	PM_{10}		0.095
		NH_4Cl	0.065	0.283
		ZnO	0.015	0.067
		$ZnCl_2$	0.004	0.166
		Zn	0.005	0.021
		NH_3	0.001	0.004
Fugitive 6A	Three Acid Tanks Pickling Area (4) 0.687	H_2SO_4		0.156
Stack 6	Kettle Burner Stack	PM_{10}	0.072	0.315
		SO_2	0.004	0.016
		CO	0.126	0.552
		NO_X	0.600	2.628
		VOC	0.348	0.152
Stack 7	Boiler Stack	PM_{10}	0.040	0.175
		SO_2	0.001	0.004
		CO	0.069	0.302
		NO_X	0.33	1.445
		VOC	0.019	0.083

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
Fugitive 1**	Acid Tanks Pickling Area (4)	H_2SO_4	0.06	0.27
Fugitive 2**	Galvanizing Kettle	PM_{10}	2.720	8.490
		NH_4Cl	1.850	5.773
		ZnO	0.435	1.358
		$ZnCl_2$	0.109	0.340
		Zn	0.136	0.424
		NH_3	0.027	0.085
Burner Stack 1**	Kettle Burner Stack	PM_{10}	0.072	0.315
		SO_2	0.004	0.016
		CO	0.126	0.552
		NO_X	0.600	2.628
		VOC	0.348	0.152
Boiler Stack 2**	Boiler for Galvanizer	PM_{10}	0.040	0.125
		SO_2	0.001	0.003
		CO	0.069	0.215
		NO_X	0.33	1.030
		VOC	0.019	0.059
Fugitive 3**	Upsetters Furnace (4)	PM_{10}	0.120	0.375
		SO_2	0.003	0.009
		CO	0.207	0.645
		NO_X	0.990	3.090
		VOC	0.057	0.177
Fugitive 4**	Two Furnaces and Normalizer (4)	PM_{10}	0.16	0.50
		SO_2	0.004	0.012
		CO	0.276	0.86
		NO_X	1.32	4.12
		VOC	0.076	0.177

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
Stack 7A**	Heat Treat Furnace	PM_{10}	0.040	0.125
		SO_2	0.001	0.003
		CO	0.069	0.215
		NO_X	0.33	1.030
		VOC	0.019	0.059
Stack 7B**	Heat Treat Furnace	PM_{10}	0.040	0.125
		SO_2	0.001	0.003
		CO	0.069	0.215
		NO_X	0.330	1.030
		VOC	0.019	0.059
Stack 4**	Paint Booth	VOC	4.25	4.418

(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 (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

NH_4Cl - ammonium chloride
ZnO - zinc oxide
$ZnCl_2$ - zinc chloride
Zn - zinc
NH_3 - ammonia
SO_2 - sulfur dioxide
CO - carbon monoxide
NO_X - total oxides of nitrogen
VOC - volatile organic compounds as defined in 30 Texas Administrative Code Section 101.1

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY

H_2SO_4 - sulfuric acid

(4) Fugitive emissions are an estimate only.

* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

24 Hrs/day 7 Days/week 52 Weeks/year or 8,760 Hrs/year

A maximum hourly production of 18,000 pounds of galvanized steel, a maximum annual production of 80,000 tons of galvanized steel, and a maximum annual usage of 8,000 tons of zinc.

** Grandfathered emission sources not reviewed for BACT and not covered by this permit. Only listed for documentation purposes.

Dated