

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 49150

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**
SHPT-1	NaOH Cleaning Tank (4)	NaOH	0.003	0.02
HCLPT-1	HCl Pickle Tank (4)	HCl	0.0002	0.001
HCLPT-2	HCl Pickle Tank (4)	HCl	0.0002	0.001
ZACPT-1	ZnCl <sub>2</sub> .2NH <sub>4</sub> Cl Preflux Tank (4)	ZnCl <sub>2</sub> .2NH <sub>4</sub> Cl	0.005	0.21
NGCS-1	14' Kettle Natl Gas Comb Stk	PM <sub>10</sub> (Filterable)	0.011	0.05
		PM <sub>10</sub> (Condensable)	0.02	0.08
		VOC	0.013	0.06
		NO <sub>x</sub>	0.23	1.00
		SO <sub>2</sub>	0.002	0.006
		CO	0.2	0.9
		Pb	2.0E-6	5.0E-6
BGHSE-1	14' Kettle Hot Dip Galv Bghse	PM <sub>10</sub>	0.005	0.02
		ZnO	0.002	0.003
		Zn	0.0003	0.001
		ZnCl <sub>2</sub>	0.0002	0.0007
		NH <sub>3</sub>	5.0E-6	0.0002
		NH <sub>4</sub> Cl	0.003	0.02
SHPTH-1	NaOH Natural Gas Heater	PM <sub>10</sub> (Filterable)	0.002	0.006
		PM <sub>10</sub> (Condensable)	0.003	0.01
		VOC	0.002	0.008
		NO <sub>x</sub>	0.03	0.14
		SO <sub>2</sub>	0.0002	0.0001
		CO	0.03	0.12
		Pb	2.0E-7	7.0E-7

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- (1) Emission point identification - either specific equipment designation or emission point number from a plot plan.
- (2) Specific point source names. For fugitive sources, use an area name or fugitive source name.
- (3) PM<sub>10</sub> - 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.
- VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- NO<sub>x</sub> - total oxides of nitrogen
- SO<sub>2</sub> - sulfur dioxide
- CO - carbon monoxide
- NaOH - sodium hydroxide
- HCl - hydrogen chloride
- NH<sub>3</sub> - ammonia
- NH<sub>4</sub>Cl - ammonium chloride
- ZnCl<sub>2</sub> - zinc chloride
- ZnCl<sub>2</sub>·2NH<sub>4</sub>Cl - zinc ammonium chloride
- Pb - lead
- ZnO - zinc oxide
- Zn - zinc
- (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

\*\* Compliance with annual emission limits is based on a rolling 12-month period.

Daily maximum production of 25 tons of galvanized steel and a maximum annual production of 7,280 tons and 700 tpy of zinc used.

Dated September 10, 2002