

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 20140

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	Baghouse Stack	PM <sub>10</sub>	0.34	1.50
		Pb	0.00025	0.0011
		Sn	0.0014	0.0063
2	Furnace Vent Stack	PM <sub>10</sub>	0.02	<0.02
		NO <sub>x</sub>	0.22	0.12
		CO	0.05	0.03
		SO <sub>2</sub>	<0.001	0.001
		VOC	0.02	<0.01
FUG 1	Building Fugitives (4)	Sn	0.0013	<0.006
		Pb	0.0006	<0.003
		HBF <sub>4</sub>	0.0028	0.012
		H <sub>3</sub> BO <sub>3</sub>	0.0007	0.003

- (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<sub>10</sub> - particulate matter 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.
  - NO<sub>x</sub> - total oxides of nitrogen
  - CO - carbon monoxide
  - SO<sub>2</sub> - sulfur dioxide
  - Pb - lead
  - Sn - tin
  - HBF<sub>4</sub> - fluoboric acid
  - H<sub>3</sub>BO<sub>3</sub> - boric acid
  - VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- (4) Fugitive emissions are an estimate only.

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- \* Emission rates are based on and the facilities are limited by the following maximum operating parameters and schedule for melting or recovering tin/lead material:

Maximum Monthly Throughput: 85,000 pounds of tin/lead dross and 85,000 pounds of clean tin/lead ingots.

Maximum Annual Throughput: 510 tons of tin/lead dross and 510 tons of clean tin/lead ingots.

Electroplating/ Cathode Production: 40,000 amperes. Maximum combined rectifier capacity of

Natural Gas Usage: 200 MCF per month and 2.4 MMCF per year.

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

Dated August 19, 2003