

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 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 less than 10 microns

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

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$\text{H}_3\text{BO}_3$  - boric acid

VOC - volatile organic compounds as defined in General Rule 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: Maximum combined rectifier capacity of 40,000 amperes.

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 \_\_\_\_\_