

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 597

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
7A	Anode Scrap Furnace	PM ₁₀	19.0	80.5
		Pb **	4.27	18.09
		Sb **	0.16	0.68
		Cu **	11.59	49.11
		Se **	0.51	2.15
		CO	200.0	847.2
		SO ₂	6.7	28.3
		NO _x	6.1	25.8
		VOC	5.0	21.2
7C	Fugitives (4)	PM	0.1	0.5

- (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 - particulate matter
 PM₁₀ - particulate matter less than 10 microns in diameter
 VOC - volatile organic compounds as defined in General Rule 101.1
 NO_x - total oxides of nitrogen
 SO₂ - sulfur dioxide
 CO - carbon monoxide
 Pb - Lead
 Sb - Antimony
 Se - Selenium
 Cu - Copper
- (4) Fugitive emissions are an estimate only.

* Emission rates are based on a maximum monthly furnace copper charge rate of 36,200 tons and a maximum calendar year copper charge rate of 434,400 tons of copper and the facilities are limited by the following maximum operating schedule:

24 Hrs/day 7 Days/week 52 Weeks/year or 8,472 Hrs/year

** Predominate species included in PM₁₀

Dated_____