

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 596

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 *	
<u>TPY</u>				
6A	Cake Furnace Stack	PM ₁₀ **	3.13	9.77
		CO	258.0	805.0
		SO ₂	0.09	0.28
		NO _x	5.8	18.1
		VOC	1.3	4.1
6B	Billet Furnace Stack	PM ₁₀ **	1.28	2.7
		CO	99.0	53.5
		SO ₂	0.05	0.10
		NO _x	1.2	1.4
		VOC	0.4	1.0
6D	Rod Furnace Stack	PM ₁₀ **	5.65	18.0
		CO	279.0	891.0
		SO ₂	0.09	0.3
		NO _x	5.8	18.5
		VOC	3.1	9.9
FUG-1		PM ₁₀ **	0.10	0.33

- (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

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

_____ 24 _____ Hrs/day _____ 7 _____ Days/week _____ 52 _____ Weeks/year or _____ Hrs/year

Cake Furnace: Limited to 6,240 hours per year of operation and a maximum production/throughput of 27,000 tons per month and 324,000 tons per year of copper.

Billet Furnace: Limited to 4,160 hours per year of operation and a maximum production/throughput of 3,500 tons per month and 42,000 tons per year of copper.

Rod Furnace: Limited to 6,384 hours per year of operation and a maximum production/throughput of 27,000 tons per month and 324,000 tons per year of copper.

** Copper dust