

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Nos. 596 and PSD-TX-847

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 *	Source	Air Contaminant	<u>Emission Rates</u>	
<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<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 **	7.35	23.4
		CO	363.0	1158.0
		SO ₂	0.12	0.4
		NO _x	7.5	24.1
		VOC	4.0	12.9
6G	Fugitives (4)	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.

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

* 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 calendar year of operation and a maximum copper charge rate of 27,000 tons per month and 324,000 tons per year (tpy).

Billet Furnace: limited to 4,160 hours per calendar year of operation and a maximum copper charge rate of 3,500 tons per month and 42,000 tpy.

Rod Furnace: limited to 6,384 hours per calendar year of operation and a maximum copper charge rate of 35,000 tons per month and 420,000 tpy.

** Predominately copper dust

Dated_____