

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Numbers 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 Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
6A	Cake Furnace Stack	PM**	6.43	28.20
		PM <sub>10</sub> **	3.13	13.70
		CO	258.00	1130.00
		SO <sub>2</sub>	0.09	0.40
		NO <sub>x</sub>	1.80	7.90
		VOC	0.50	2.20
6B	Billet Furnace Stack	PM**	3.89	17.00
		PM <sub>10</sub> **	1.28	5.60
		CO	99.00	113.00
		SO <sub>2</sub>	0.05	0.22
		NO <sub>x</sub>	0.50	2.20
		VOC	0.50	2.20
6D	Rod Furnace Stack	PM**	9.28	40.60
		PM <sub>10</sub> **	7.35	32.20
		CO	363.00	1590.00
		SO <sub>2</sub>	0.12	0.53
		NO <sub>s</sub>	5.60	24.50
		VOC	4.00	17.50
6G	Fugitives (4)	PM <sub>10</sub> **	0.10	0.33

(1) Emission point identification - either specific equipment designation or emission point number from a plot plan.

(2) Specific point source names. For fugitive sources use area name or fugitive source name.

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- (3) PM - particulate matter, suspended in the atmosphere, including PM<sub>10</sub>  
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.  
CO - carbon monoxide  
SO<sub>2</sub> - sulfur dioxide  
NO<sub>x</sub> - total oxides of nitrogen  
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 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 8,760 Hrs/year

Cake Furnace: limited to a maximum copper charge rate of 37,900 tons per month.

Billet Furnace: limited to a maximum copper charge rate of 7,370 tons per month.

Rod Furnace: limited to a maximum copper charge rate of 48,000 tons per month.

- \*\* Predominately copper dust

Dated\_\_\_\_\_