

EMISSIONS SOURCES- MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 37222

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	Shaft Furnace Stack (5)	PM ₁₀	1.5	4.9
		CO	72.6	242
		NO _x	1.5	5.0
		SO ₂	0.02	0.08
		VOC	0.8	2.7
2A	Reverberatory Furnace (5) (6)		PM ₁₀	0.8
	1.2			
	Baghouse Stack A	CO	21.8	22.0
		NO _x	3.0	2.2
		SO ₂	0.018	0.04
		VOC	1.1	0.8
		Pb	0.04	0.065
2B	Reverberatory Furnace (5) (6)		PM ₁₀	0.8
	1.2			
	Baghouse Stack B	CO	21.8	22.0
		NO _x	3.0	2.2
		SO ₂	0.018	0.04
		VOC	1.1	0.8
		Pb	0.04	0.065
FUG-1	Slag Handling (4) (6)	PM ₁₀	<0.00001	<0.00001
		Pb	<0.00001	<0.00001
FUG-2	Baghouse Dust Handling (4) (6) 0.0076	PM ₁₀		0.016
		Pb	0.0001	0.0004

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- (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_{10} - particulate matter (PM) equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no PM greater than 10 microns is emitted.
 - CO - carbon monoxide
 - NO_x - total oxides of nitrogen
 - SO_2 - sulfur dioxide
 - VOC - volatile organic compounds as defined in 30 Texas Administrative Code Chapter 101.1
 - Pb - lead
- (4) Fugitive emissions are an estimate only.
- (5) Sum of annual CO emissions from all stacks shall not exceed 242 tons.
- (6) Lead included in PM_{10} .

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

Hrs/day 24 Days/week 7 Weeks/year 52 or Hrs/year 8,760

Facility Throughput:

Maximum Hourly Throughput: 13.2 tons copper

Maximum Annual Throughput: Combined annual throughput of both the shaft furnace and the reverberatory furnace shall not exceed 88,000 tons of copper melted.

Shaft Furnace:

Maximum Hourly Throughput: 13.2 tons per hour of copper

Maximum Annual Throughput: 88, 000 tons minus reverberatory furnace annual throughput

Reverberatory Furnace:

Maximum Hourly Throughput: 11.0 tons per hour

Maximum Annual Throughput: 32,208 tons

Dated April 2, 2001