

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 17823

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**
1M	Melting Furnace No. 1 Stack	PM ₁₀	3.92	-
		SO ₂	0.02	-
		NO _x	4.00	-
		CO	3.36	-
		VOC	0.22	-
		HAPs	0.15	-
2M	Melting Furnace No. 2 Stack	PM ₁₀	3.92	-
		SO ₂	0.02	-
		NO _x	4.00	-
		CO	3.36	-
		VOC	0.22	-
		HAPs	0.15	-
1M and 2M	Melting Furnaces - Total Annual	PM ₁₀	-	14.14
		SO ₂	-	0.16
		NO _x	-	28.00
		CO	-	23.60
		VOC	-	1.54
		HAPs	-	0.77
3H	Holding Furnace Stack	PM ₁₀	0.11	0.37
		SO ₂	0.01	0.03
		NO _x	1.40	4.82
		CO	1.18	4.05
		VOC	0.08	0.26
		HAPs	0.03	0.09

EMISSIONS FROM SOURCE SUMMATION TABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
4H	Homogenizing Furnace Stack	PM ₁₀	0.16	0.57
		SO ₂	0.01	0.04
		NO _x	2.10	7.45
		CO	1.76	6.25
		VOC	0.12	0.41
		HAPs	0.04	0.14
DCSTK	Dross Cooler Baghouse Stack	PM ₁₀	1.29	3.21
		HAPs	<0.01	<0.01
CASTFUG	Cast House Fugitives (4)	PM ₁₀	0.20	0.65
		SO ₂	<0.01	<0.01
		NO _x	0.06	0.26
		CO	0.05	0.22
		VOC	0.01	0.01
		HAPs	0.01	0.02

(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 an area name or fugitive source name.

(3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1

NO_x - total oxides of nitrogen

SO₂ - sulfur dioxide

PM₁₀ - particulate matter (PM) 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

HAPs - hazardous air pollutants including trace metals and acid gases

(4) Fugitive emissions are an estimate only.

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

8,760 Hrs/year

** Compliance with annual emission limits is based on a rolling 12-month period.

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**

Dated September 27, 2004