

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

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
4H	Homogenizing Furnace Stack	PM/PM <sub>10</sub>	0.16	0.57
		SO <sub>2</sub>	0.01	0.04
		NO <sub>x</sub>	2.10	7.45
		CO	1.76	6.25
		VOC	0.12	0.41
		HAPs	0.04	0.14
CASTFUG	Cast House Fugitives (4)	PM/PM <sub>10</sub>	0.20	0.65
		SO <sub>2</sub>	<0.01	<0.01
		NO <sub>x</sub>	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<sub>x</sub> - total oxides of nitrogen  
 SO<sub>2</sub> - sulfur dioxide  
 PM - particulate matter, suspended in the atmosphere, including PM<sub>10</sub>.  
 PM<sub>10</sub> - 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.  
 PM<sub>2.5</sub> - particulate matter equal to or less than 2.5 microns in diameter  
 CO - carbon monoxide  
 HAPs - hazardous air pollutants including trace metals and acid gases
- (4) Fugitive emissions are an estimate only.

Dated June 16, 2010