

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 34766

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)	<u>Emission Rates</u>	
			lb/hr	TPY
FURNSTK	Shaft Melting Furnace Baghouse Stack	PM/PM <sub>10</sub>	2.70	8.10
		CO	59.40	178.20
		NO <sub>x</sub>	3.08	9.25
		SO <sub>2</sub>	0.05	0.15
		VOC	1.65	4.95
TANK1EVFUG	In-Line Rod Pickling System and Isopropyl Alcohol Storage Tank (4)	VOC	8.10	24.30
FURNLDFUG	Furnace Loader (4) (5)	PM/PM <sub>10</sub>	0.10	0.10
UPLAUNDFUG	Upper Launder Burner (4) (5)	PM/PM <sub>10</sub>	0.02	0.09
		CO	0.24	1.05
		NO <sub>x</sub>	0.28	1.23
		SO <sub>2</sub>	<0.01	0.01
		VOC	0.02	0.09
HOLDFURFUG	Holding Furnace Burner (4) (5)	PM/PM <sub>10</sub>	0.02	0.09
		CO	0.18	0.79
		NO <sub>x</sub>	0.21	0.92
		SO <sub>2</sub>	<0.01	<0.01
		VOC	0.01	0.04
LOLAUNDFUG	Lower Launder Burner (4) (5)	PM/PM <sub>10</sub>	0.02	0.09
		CO	0.24	1.05
		NO <sub>x</sub>	0.28	1.23
		SO <sub>2</sub>	<0.01	0.01
		VOC	0.02	0.09

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

TUNHEATFUG	Tundish Preheater (4) (5)	PM/PM <sub>10</sub>	<0.01	0.02
		CO	0.04	0.18
		NO <sub>x</sub>	0.05	0.22
		SO <sub>2</sub>	<0.01	<0.01
		VOC	<0.01	0.01
SOOTERFUG	Acetylene Sooter (4) (5)	PM/PM <sub>10</sub> (carbon black)	0.43	1.88
BARHANDFUG	Cast Bar and Handling Equipment (4) (5)	PM/PM <sub>10</sub>	0.10	0.10
CASTMCHFUG	Casting Machine (4) (5)	PM/PM <sub>10</sub>	0.10	0.10
ROLLMLLFUG	Rolling Mill (4) (5)	VOC	1.89	8.28
RODCOATFUG	Rod Coating System (4) (5)	VOC	0.13	0.57
RODCOILFUG	Rod Coiler (4) (5)	PM/PM <sub>10</sub>	0.10	0.10
COOLTWRFUG	Rolling Mill Cooling Tower Nos. 1, 2 and 3 (4) (5)	PM/PM <sub>10</sub>	1.17	5.12

- (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 (30 TAC § 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> and PM<sub>2.5</sub>
- PM<sub>10</sub> - particulate matter equal to or less than 10 microns in diameter
- CO - carbon monoxide

- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

- (5) These sources are included by reference only and authorized under 30 TAC Chapter 106, permits by rule, as specified in the permit special conditions.

Dated May 11, 2009