

# 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, sources, and related activities. 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 (7)	
			lbs/hour	TPY (4)
FURNSTK	Shaft Melting Furnace Baghouse Stack	PM	2.70	8.10
		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
TANK1EVT	Bulk IPA Storage Tank Associated with Rod Mill Pickling System (5)	VOC	0.01	0.04
PICKFUG	Indoor Pickling Tank/Pickling Pipe Associated with Rod Mill Pickling System (5)	VOC	8.09	24.26
FURNLDFUG	Furnace Loader (5) (6)	PM	0.10	0.10
		PM <sub>10</sub>	0.10	0.10
UPLAUNDFUG	Upper Launder Burner (5) (6)	PM	0.02	0.09
		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 (5) (6)	PM	0.02	0.09

Emission Sources - Maximum Allowable Emission Rates

		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 (5) (6)	PM	0.02	0.09
		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
TUNHEATFUG	Tundish Preheater (5) (6)	PM	<0.01	0.02
		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 (5) (6)	PM	0.43	1.88
		PM <sub>10</sub>	0.43	1.88
BARHANDFUG	Cast Bar and Handling Equipment (5) (6)	PM	0.10	0.10
		PM <sub>10</sub>	0.10	0.10
CASTMCHFUG	Casting Machine (5) (6)	PM	0.10	0.10
		PM <sub>10</sub>	0.10	0.10
ROLLMLLFUG	Rolling Mill (5) (6)	VOC	1.89	8.28
RODCOATFUG	Rod Coating System (5) (6)	VOC	0.13	0.57

Emission Sources - Maximum Allowable Emission Rates

RODCOILFUG	Rod Coiler (5) (6)	PM	0.10	0.10
		PM <sub>10</sub>	0.10	0.10
COOLTWRFUG	Rolling Mill Cooling Tower Nos. 1, 2 and 3 (5) (6)	PM	1.17	5.12
		PM <sub>10</sub>	1.17	5.12

- (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) 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 - total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>, as represented
- PM<sub>10</sub> - total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>, as represented
- CO - carbon monoxide
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (6) These sources are included by reference only and authorized under 30 TAC Chapter 106, permits by rule, as specified in the permit special conditions.
- (7) Planned startup and shutdown emissions are included. Maintenance activities are not authorized by this permit.

Date: February 19, 2014