

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 2448

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 (8)	
			lbs/hour	TPY (4)
2A	Electric Arc Furnace Baghouse Monovents	PM (6)	27.43	115.58
		PM <sub>10</sub> (6)	20.85	87.84
		PM <sub>2.5</sub> (6)	20.30	85.54
		PM (7)	54.86	231.17
		PM <sub>10</sub> (7)	48.27	203.43
		PM <sub>2.5</sub> (7)	47.73	201.12
		CO	441.85	1481.17
		NO <sub>x</sub>	94.44	316.59
		SO <sub>2</sub>	47.22	158.29
		VOC	47.61	159.58
		Pb	0.32	1.34
F-2	Building Fugitives Electric Arc Furnace	PM	10.85	36.36
		PM <sub>10</sub>	8.24	27.63
		PM <sub>2.5</sub>	8.03	26.91
		CO	0.28	0.93
		NO <sub>x</sub>	0.06	0.20
		SO <sub>2</sub>	0.03	0.10
		VOC	0.05	0.17
		Pb	0.13	0.42

## Emission Sources - Maximum Allowable Emission Rates

F-10	Dolomite Lime Silo (5)	PM	0.64	2.80
		PM <sub>10</sub>	0.32	1.40
F-11	Lime Silo (5)	PM	1.00	4.42
		PM <sub>10</sub>	0.50	2.21
P-12	Lime Silo Baghouse Stack	PM	0.54	2.34
		PM <sub>10</sub>	0.27	1.17
F-25	Continuous Casting Machines-2 units (5)	PM	4.86	18.30
		PM <sub>10</sub>	4.82	18.10
		VOC	0.24	0.91
14	Ladle Refining Furnace Baghouse Stack	PM (6)	1.54	6.50
		PM <sub>10</sub> (6)	1.23	5.20
		PM (7)	2.73	11.96
		PM <sub>10</sub> (7)	2.43	10.66
		CO	15.60	58.83
		NO <sub>x</sub>	1.80	6.80
		SO <sub>2</sub>	42.00	158.39
		VOC	1.20	4.53
F-27	Ladle Preheaters	PM	0.50	2.10
		CO	5.50	23.18
		NO <sub>x</sub>	6.55	27.60
		SO <sub>2</sub>	0.04	0.17
		VOC	0.36	1.52
		Methane	0.15	0.64
29	Stores Gasoline Tank 1,000 Gallon Capacity	VOC	0.01	0.04
31	Stores Gasoline	VOC	0.02	0.10

## Emission Sources - Maximum Allowable Emission Rates

	Tank Loading facility			
Permit by rule (PBR) sources incorporated by reference. Sources remain authorized by the PBR(s) as listed below:				
PBR Registration No. 109724 (§ 106.144)				
F-13	Lime Silo No. 2 Fabric Filter Stack	PM	0.05	0.24
		PM <sub>10</sub>	0.05	0.24
		PM <sub>2.5</sub>	0.03	0.12
F-14	Lime Silo No. 3 Fabric Filter Stack	PM	0.05	0.24
		PM <sub>10</sub>	0.05	0.24
		PM <sub>2.5</sub>	0.03	0.12
PBR Registration No. 102645 (§ 106.261 and 106.262)				
EAFDUST	EAF Dust Loading System	PM	0.0045	0.0057
		PM <sub>10</sub>	0.0017	0.0021
		PM <sub>2.5</sub>	0.0017	0.0021

- (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
- PM<sub>2.5</sub> - particulate matter equal to or less than 2.5 microns in diameter
- CO - carbon monoxide
- Pb - lead
- (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) Particulate matter as measured by EPA Method 5, front-half only, for compliance with Federal Standards.
- (7) Particulate matter as measured by EPA Method 5, front-half and back-half, for compliance with state regulations.
- (8) Planned startup and shutdown emissions are included. Maintenance activities, except for those specified in Special Condition No. 20, are not authorized by this permit and will need separate authorization unless the activity can meet the conditions of 30 TAC §116.119.

Emission Sources - Maximum Allowable Emission Rates

Date: June 26, 2014