

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 186

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>	
			<u>lb/hr</u>	<u>TPY</u>
ARCFURVNT	Two Electric Arc Furnaces Baghouse Stack	CO	75.25	186.29
		NO _x	29.89	74.72
		PM ₁₀	15.32	67.10
		VOC	7.33	18.31
		SO ₂	2.94	7.35
		Pb	2.48	0.43
ROOFVNT	Two Electric Arc Furnaces/ Steel Pouring Roof Vent	CO	4.08	8.00
		NO _x	3.91	6.70
		PM	25.00	59.56
		PM ₁₀	15.35	28.57
		VOC	0.33	0.66
		SO ₂	0.08	0.16
		Pb	0.05	0.01
SCRAPHAND	Scrap Handling (4)	PM	5.50	13.75
		PM ₁₀	0.83	2.06
TORCHCUT	Torch Cutting Scrap (4)	PM ₁₀	0.04	0.16
		NO _x	1.37	6.01
		CO	0.41	1.80
		SO ₂	<0.01	0.01
		VOC	0.03	0.12
SOAKPITS**	Soaking Pits Vent Stack	PM ₁₀	2.38	2.28
		NO _x	31.37	30.09
		CO	26.75	25.29
		SO ₂	0.19	0.18
		VOC	0.03	1.78

HTREATFUR**	Heat Treating Furnace	PM ₁₀	2.84	5.18
		NO _x	18.68	20.93
		CO	31.38	57.27
		SO ₂	0.22	0.41
		VOC	2.05	3.75
842LVR***	Ladle Vacuum Refining Baghouse Stack	PM ₁₀	0.88	2.65
		NO _x	6.35	5.91
		CO	7.79	12.09
		SO ₂	10.63	6.20
		VOC	12.40	19.23
LVRBLR	Ladle Vacuum Refining Boiler	PM ₁₀	0.25	0.20
		NO _x	4.02	3.25
		CO	2.76	2.23
		SO ₂	0.02	0.02
		VOC	0.18	0.15

- (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 area name or fugitive source name.
- (3)
 - CO - carbon monoxide
 - NO_x - total oxides of nitrogen
 - PM - particulate matter, suspended in the atmosphere, including PM₁₀.
 - PM₁₀ - particulate matter 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.
 - VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1.
 - SO₂ - sulfur dioxide
 - Pb - lead
- (4) Fugitive emissions are an estimate only.

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** Previously exempted facilities consolidated into this permit.

*** Permit Number 23625 and Exemption Registration Number 14396 are consolidated into this permit.

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

24 Hrs/day 7 Days/week 52 Weeks/year or 8,760 Hrs/year

Maximum Allowable Poured Steel Production: 125,000 Tons/year

Maximum Allowable Poured Steel Production for Ladle Vacuum Refining: 219,000 Tons/year

Dated April 20, 2004