

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 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)	Emission Rates *	
			lb/hr	TPY
ARCFURVNT	Two Electric Arc Furnaces		CO	127.11
	180.41			
	Baghouse Stack	NO _x	23.6	74.72
		PM ₁₀	15.32	67.10
		VOC	5.82	18.32
		SO ₂	3.64	3.50
		Pb	0.10	0.418
ROOFVNT	Two Electric Arc Furnaces/		CO	57.45
	11.40			
	Steel Pouring Roof Vent		NO _x	166.06
	6.77			
		PM ₁₀	11.43	30.91
		PM	18.56	61.90
		VOC	13.45	0.66
		SO ₂	0.58	0.163
		Pb	0.05	0.13
SCRAPHAND	Scrap Handling (4)	PM	5.5	13.75
		PM ₁₀	0.83	2.06
TORCHCUT	Torch Cutting Scrap (4)	PM ₁₀	0.036	0.16
		NO _x	1.318	6.01
		CO	0.396	1.80
		SO ₂	0.003	0.012
		VOC	0.026	0.12
SOAKPITS**	Soaking Pits Vent Stack	PM ₁₀	1.80	2.28
		NO _x	23.52	30.09

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
		CO	43.29	25.29
		SO ₂	0.14	0.18
		VOC	1.29	1.65
HTREATFUR**	Heat Treating Furnace	PM ₁₀	3.00	5.42
		NO _x	19.50	20.93
		CO	37.74	59.70
		SO ₂	0.23	0.423
		VOC	2.16	3.87
842LVR***	Ladle Vacuum Refining Baghouse Stack	PM ₁₀	0.265	0.071
		NO _x	6.35	5.9
		CO	7.79	12.09
		SO ₂	10.52	9.89
		VOC	12.40	19.23
LVRBLR	Ladle Vacuum Refining Boiler 0.202	PM ₁₀		0.25
		NO _x	4.02	3.25
		CO	2.76	2.23
		SO ₂	0.02	0.016
		VOC	0.18	0.146

- (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) 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 30 Texas Administrative Code Section 101.1.

SO₂ - sulfur dioxide

Pb - lead

(4) Fugitive emissions are an estimate only.

** Previously exempted facilities consolidated into this permit.

*** Permit No. 23625 and Exemption Registration No. 14396 consolidated into this permit.

Permit No. 186

Page 3

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

* 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 LVR: 219,000
Tons/year

Dated_____