

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 48620

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**
C-1A and C-1B	Shredder (4)	PM	0.95	1.98
		PM ₁₀ 0.31	0.65	
DRS-2, DRS-3, DRS-4, and DRS-5	Dross Handling (4) and Storage	PM	2.3	0.10
		PM ₁₀	0.50	<0.03
IM-1 and IM-2	Feedstock Handling (4) and Storage	PM	0.34	0.19
		PM ₁₀	0.17	<0.10
IM-3A, IM-3B, IM-4A, and IM-4B	Salt and Silicon (4) Handling and Storage	PM	0.54	0.05
		PM ₁₀	0.27	<0.03
IM-5 and IM-6	Chlorine (4) Handling and Storage	Cl	<0.003	<0.007
IM-7	Reverb Furnace Burner Stack	NO _x	1.20	5.26
		CO	0.30	1.30
		SO ₂	<0.01	0.03
		PM ₁₀	<0.10	0.40
		VOC	0.07	0.30
IM-11	Reverb and Rotary Furnace Baghouse Stack (5)	PM ₁₀	6.86	30.10
		NO _x	0.001	0.01
		CO	<0.13	0.54
		VOC	0.06	0.27
		SO ₂	0.10	0.44
		HCl	1.27	5.56

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AIR CONTAMINANTS DATA

Emission *	Source	Air Contaminant	Emission Rates	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY**
IM-13	Holding Furnace Stack	PM ₁₀	<0.10	<0.40
		NO _x 1.20	5.26	
		CO 0.51	2.23	
		VOC 0.06	0.22	
		SO ₂ <0.01	0.03	

- (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 the Title 30 Texas Administrative Code Section 101.1
 - NO_x - total oxides of nitrogen
 - SO₂ - sulfur dioxide
 - 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.
 - CO - carbon monoxide
 - HCl - hydrogen chloride
 - (4) Fugitive emissions are an estimate only
 - (5) HAPS are speciated and quantified in permit file.
- * Emission rates are based on and the facilities are limited by the following maximum operating parameters:

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

Reverberatory Furnace Maximum Allowable Throughput: 10.0 tons per hour and 41,600 tons per year

Rotary Furnace Maximum Allowable Throughput: 10.0 tons per hour and 41,600 tons per year

Scrap Shredder Maximum Allowable Throughput: 10 tons per hour and 41, 600 tons per year

** Compliance with annual emission limits is based on a rolling 12-month period.

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Emission *	Source	Air Contaminant	<u>Emission Rates</u>	
Point No. (1)	Name (2)	Name (3)	<u>lb/hr</u>	<u>TPY**</u>
IM-13	Holding Furnace Stack	PM ₁₀	<0.10	<0.40
		NO _x 1.20	5.26	
		CO 0.51	2.23	
		VOC0.06	0.22	
		SO ₂ <0.01	0.03	

Dated December 5, 2001