

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number: 73498

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**
FE-CHARGE	Cupola Fugitives (4)	PM/PM10	3.59	1.58
		VOC	2.26	0.81
		NOx	0.19	0.07
		SOx	0.04	0.01
		CO	54.62	19.66
E-CUPOLA	Cupola Furnace Baghouse Stack	PM/PM10	1.66	0.60
		VOC	2.83	1.02
		NOx	4.71	1.70
		SOx	0.94	0.34
		CO	68.27	24.58
FE-CASTING	Fugitives (4) (Bubbling, Ductile Mixing, Ladles, Pouring Cooling, Shakeout, Sand Return, and Grinding)	PM/PM10	44.71	23.13
		VOC	3.50	1.77
		NOx	0.09	0.03
		SOx	0.19	0.07
		CO	54.23	20.67
E-SCRUB	Shakeout Hopper Scrubber Stack	PM/PM10	2.83	2.03
		VOC	4.24	3.05
		CO	9.57	6.89
FE-NEWSAND	New Mold Sand Receiving (4)	PM/PM10	0.02	0.02
FE-CORESILLO	Core Sand Receiving (4)	PM/PM10	0.02	0.02
FE-CORES	Core Making (4)	VOC	12.45	17.93
E-SHOT	Shotblast Baghouse	PM/PM10	0.43	0.62
E-PAINT	Spray Paint Booth Stack	PM/PM10	0.11	0.16
		VOC	0.99	1.45

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FE-WASTSND	Waste Sand Handling (4)	PM/PM10	0.06	0.03
FE-NATGAS	Burner Products of (4) Combustion (Ladles, Heat Treating, Ect.)	PM/PM10	0.04	0.06
		VOC	0.03	0.04
		NOx	0.54	0.77
		SOX	0.01	
		CO	0.45	
FE-CHARGE	Cupola Maintenance, (4) Startup, and Shutdown Fugitives	PM/PM10	3.31	1.19
		VOC	1.13	0.41
		NOx	0.09	0.03
		SOx	0.02	
		CO	27.31	

(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 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

(4) Fugitive emissions are an estimate only

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

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

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			<u>lb/hr</u>	<u>TPY**</u>

18 Hrs/day 5 Days/week Weeks/year or 52 Hrs/year