

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 2393A

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>	
			lb/hr	TPY
E-1	650 lb Induction Furnace	TSP	0.07	0.04
		PM ₁₀	0.07	0.04
	1,000 lb Induction Furnace	TSP	0.10	0.10
		PM ₁₀	0.10	0.10
	2,000 lb Induction Furnace	TSP	0.90	0.96
		PM ₁₀	0.90	0.96
	Table Blast No. 1	TSP	0.82	4.11
		PM ₁₀	0.82	4.11
	Core Ovens No. 1 and 2	TSP	0.12	0.15
		PM ₁₀	0.12	0.15
		SO ₂	0.006	<0.01
		NO _x 0.17	0.21	
		CO	0.27	0.34
E-3	Table Blast No. 2	TSP	1.54	0.26
		PM ₁₀	1.54	0.26
E-4	Wood Planing\Sanding	TSP	0.60	0.03
		PM ₁₀	0.60	0.03
E-5	Grinding	TSP	3.43	2.40
		PM ₁₀	3.43	2.40
E-6	Sand Storage Tanks	TSP	0.03	0.01
		PM ₁₀	0.03	0.01

F-1	Furnaces-Scrap and Handling (4)	TSP	1.10	1.38
		PM ₁₀	1.10	1.38
F-2	Furnaces-Pouring and Cooling (4)	TSP	7.69	9.61
		PM ₁₀	7.69	9.61
F-3	Core Making (4)	TSP	1.01	1.26
		PM ₁₀	1.01	1.26
F-4	Isocure Cores (4)	VOC	0.50	0.62
F-5	Core Sand Muller (4)	VOC	0.30	0.38

(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) TSP - total suspended particulate, including PM₁₀

PM₁₀ - particulate matter less than 10 microns in diameter

VOC - volatile organic compounds as defined in General Rule 101.1

NO_x - total oxides of nitrogen

SO₂ - sulfur dioxide

CO - carbon monoxide

(4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

* Emission rates are based on and the facilities are limited to the following maximum operating schedule and maximum production rates.

8 Hrs/Day 6 Days/Wk 52 Wks/Yr

* Based upon a maximum annual production rate of 2,146 tons of grey iron and a maximum annual production rate of 350 tons of ductile iron.

Dated _____