

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 7365

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.

CONTAMINANTS DATA			AIR	
Emission Point No. (EPN) (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
BH-J	Shakeout and Finishing Baghouse	PM ₁₀ **	1.35	3.38
BH-K	Green Sand System Baghouse	PM ₁₀ ***	0.313	0.783
BH-S	Furnace Baghouse	PM ₁₀ #	0.176	0.440
FF-FM	Floor Mold Area Tank Fabric Filter	PM ₁₀ **	5.000	0.500
P	Metal Pouring (4)	PM ₁₀ ###	5.25	13.13
CR	Core Making (4)	PM ₁₀ **	1.38	0.07
FEL	Sand Handling (4)	PM ₁₀ **	0.90	0.15
PILE	Spent Sand Pile (4)	PM ₁₀ **	0.21	0.03
V	Heat Treater	PM ₁₀	0.036	0.240
		SO ₂	0.002	0.012
		NO _x	0.300	2.000
		CO	0.063	0.420
		TOC	0.017	0.012
CO	Core Oven	PM ₁₀	0.034	0.224
		SO ₂	0.002	0.012
		NO _x	0.282	1.880
		CO	0.120	0.800
		TOC	0.033	0.022

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- (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) PM₁₀ - particulate matter (PM) equal 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.
 - SO₂ - sulfur dioxide
 - NO_x - oxides of nitrogen
 - CO - carbon monoxide
 - TOC - total organic compound
- (4) Fugitive emissions are an estimate only.

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

Hrs/day____Days/week____Weeks/year____or Hrs/year 5,000

- A. Natural gas consumption by the Core Oven (EPN CO) of 40,000,000 scf/yr.
- B. Natural gas consumption by the Heat Treater (EPN V) of 40,000,000 scf/yr.
- C. Annual gray iron/ductile production of 2,400 tons
- D. Annual molds and cores production rate of 4,800 tons
- E. Annual amount of sand handling rate of 5,000 tons
- F. Annual green sand handling rate of 62,500 tons.

** Denotes silica sand/resin dust

*** Denotes silica sand/bentonite dust

Denotes iron dust

Denotes iron/silica sand dust

Dated December 9, 2002