

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 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.

AIR CONTAMINANTS DATA

Emission *	Source	Air Contaminant	<u>Emission Rates</u>	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
BH-J	Shakeout and Finishing Baghouse 3.378	PM ₁₀ **		1.351
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
+A1	Induction Furnace	PM ₁₀ #	0.75	1.88
+P	Metal Pouring	PM ₁₀ ##	5.25	13.13
+CR	Core Making	PM ₁₀ **	1.38	0.07
+FEL	Sand Handling	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
+DRY	Scrap Pre-Heater	PM ₁₀	0.036	0.060
		SO ₂	0.002	0.003
		NO _x	0.300	0.500
		CO	0.063	0.105

TOC

0.017

0.003

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AIR

CONTAMINANTS DATA

Emission *	Source	Air Contaminant	<u>Emission Rates</u>	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
+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
+U, T	Methanol	MEOH	2.270	5.674
+PAINT1	Painting (4)	C ₆ H ₅ CH ₃ ++	0.149	0.374

(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) 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

MEOH - methanol

C₆H₅CH₃ - toluene

(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

** Denotes silica sand/resin dust

*** Denotes silica sand/bentonite dust

Denotes iron dust

Denotes iron/silica sand dust

+ Denotes existing source which was previously not quantified

++ Includes acetone, xylene, and toluene

Dated_____