

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 664

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>	
<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>
<b>Foundry Operation A</b>				
11	Casting Cleaning Baghouse	PM <sub>10</sub>	0.75	1.7
C3	Furan No-Bake Sand System Baghouse	PM <sub>10</sub>	0.04	0.09
19A	Sand Classifier Baghouse	PM <sub>10</sub>	0.05	0.11
23	Sand Reclamation System Baghouse	PM <sub>10</sub>	0.50	1.1
D4	Ductile Iron Inoculation Baghouse Two Stations	PM <sub>10</sub>	1.1	10.5
E2	Shot Blast Machine Cartridge Filter	PM <sub>10</sub>	0.50	1.1
D1	Four Ton Induction Furnace (4)	PM <sub>10</sub>	1.8	4.0
<b>Foundry Operation B</b>				
S12	New Sand Bin	PM <sub>10</sub>	0.01	0.055

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
	Bagfilter (5)			
S13	Dry Additives Bin Bagfilter (5)	PM <sub>10</sub>	0.01	0.055
S5	Water Addition System Exhaust (4 and 5)	PM PM <sub>10</sub>	0.10 0.05	0.437 0.22
C1	Core Machine Scrubber (5)	PM <sub>10</sub> VOC	0.17 0.08	0.22 0.42
C2	New Sand Bin Fabric Filter (5)	PM <sub>10</sub>	0.01	0.055
B1	Sand System Baghouse (5)	PM <sub>10</sub> VOC	0.07 8.0	0.378 43.68

- (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) PM - particulate matter  
 PM<sub>10</sub> - particulate matter less than 10 microns in diameter  
 VOC - volatile organic compounds as defined in General Rule 101.1  
 (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.  
 (5) Operating schedule for the Green Sand Foundry is:

Hrs/Day 24 Days/week 7 or Hrs/year 8,736

\* Emission rates are based on and the facilities are limited by the following maximum operating schedule (except as noted in Note 5) and production rates:

Hrs/day 18 Days/week 5 Weeks/year 50 or Hrs/year 4,500

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			<u>lb/hr</u>	<u>TPY</u>

Foundry Operation A: 11,000 Pounds per Hour (pph) and 24,750 Tons  
per Year (tpy)

Foundry Operation B: 6,000 pph and 26,208 tpy

Dated\_\_\_\_\_