

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 Point No. (1) | Source Name (2) | Air Contaminant Name (3) | <u>Emission Rates *</u> | | |
|----------------------------|--|-----------------------------|-------------------------|------|------|
| | | | lb/hr | TPY | |
| <u>FOUNDRY OPERATION A</u> | | | | | |
| 2 | 7-1/2 Ton Induction Furnace (4) | | PM ₁₀ | 0.70 | 1.6 |
| 12 | Ductile Iron Inoculation Scrubber Stack (5) | | PM ₁₀ | 0.6 | 1.4 |
| 12 | Green Sand System and Sand Tank Scrubber Stack (5) | | PM ₁₀ | 4.1 | 9.2 |
| 11 | Casting Cleaning Baghouse | | PM ₁₀ | 0.75 | 1.7 |
| C3 | Furan No-Bake Sand System Baghouse | | PM ₁₀ | 0.04 | 0.09 |
| 19A | Sand Classifier Baghouse | | PM ₁₀ | 0.05 | 0.11 |
| 23 | Sand Reclamation System Baghouse | | PM ₁₀ | 0.50 | 1.1 |
| D4 | Ductile Iron Inoculation Baghouse (2 Stations) (7) | | PM ₁₀ | 1.1 | 10.5 |
| E2 | Shot Blast Machine Cartridge Filter | | PM ₁₀ | 0.50 | 1.1 |
| D1 | 4 Ton Induction Furnace (4) | | PM ₁₀ | 1.8 | 4.0 |

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FOUNDRY OPERATION B

| | | | | |
|-----|-------------------------------|------------------|------|------|
| S12 | New Sand Bin Bagfilter (6) | PM ₁₀ | 0.01 | 0.06 |
|-----|-------------------------------|------------------|------|------|

AIR CONTAMINANTS DATA

| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | lb/hr | <u>Emission Rates *</u> TPY | |
|---------------------------|--|-----------------------------|-------|--------------------------------|----------------|
| S13 | Dry Additives Bin Bagfilter (6) | | | PM ₁₀ | 0.01 0.06 |
| S5 | Water Addition System Exhaust (4 and 6) | | | PM | 0.10 0.44 |
| | | | | PM ₁₀ | 0.05 0.22 |
| C1 | Core Machine Scrubber (6) | | | PM ₁₀ | 0.17 0.92 |
| | | | | VOC | 0.08 0.42 |
| C2 | New Sand Bin Fabric Filter (6) | | | PM ₁₀ | 0.01 0.06 |
| B1 | Sand System Baghouse (6) | | | PM ₁₀ | 0.07 0.38 |
| | | | | VOC | 6.0 24.46 |

- (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
 PM₁₀ - 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) These are two separate sources that exhaust through a common 336-foot stack.
- (6) Operating schedule for Foundry Operation B (the green sand foundry) is 24 hrs/day, 7 days/wk, or 8,736 hrs/yr.
- (7) One station located in Foundry A and one station located in Foundry B

* Emission rates are based on and the facilities are limited by the following maximum operating schedule (except as reflected in Note 6) and production rates:

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

FOUNDRY OPERATION A: 11,000 POUNDS PER HOUR and 24,750 TONS PER YEAR

FOUNDRY OPERATION B: 6,000 POUNDS PER HOUR and 26,208 TONS PER YEAR

Dated_____