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**ATTACHMENT 1**

**Summary Data from Emission Tests conducted on Scrubber at Blanchester Foundry**

**Summary Data includes:**

- (1) emission rates measured,
- (2) test methods or procedures used
- (3) information on actual production or processing rates and on process conditions at the time of the measurement, and
- (4) scrubber operating conditions

Metal particulate and coke combustion emissions from the cupola are ducted to a scrubber for control of particulate matter. Source test data is from February 7, 1995.

**Emission Rates Measured:**

**Summary of Particulate, Lead, and Carbon Monoxide Emissions from Scrubber Exhaust**

<b>Pollutant</b>	<b>Source Test Result, avg. rate</b>
Particulate	8.31 lb/hr
Lead	0.183 lb/hr
Carbon Monoxide	27.9 lb/hr

**Test Methods Used:**

- USEPA Reference Method 5, "Determination of Particulate Emissions from Stationary Sources"
- USEPA Reference Method 10, "Determination of Carbon Monoxide Emissions from Stationary Sources"
- USEPA Reference Method 12, "Determination of Inorganic Lead Emissions from Stationary Sources"

**Production Rates During Measurements:**

Total test time: 3.5 hr  
 Charges during test 47  
 Metal weight per charge 850 lb

**Scrubber Exhaust Stack Gas Conditions During Measurements:**

Flow Rate, average 11,137 acfm  
 Temperature, average 144°F  
 Moisture, average 22.50%  
 Oxygen, average 16%  
 Carbon Dioxide, average 4%

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ATTACHMENT 2  
Summary of Air Emission Conditions for The Blanchester Foundry

Operation	Allowable Emission Rate
Casting Cleaning (Wheelabrator) w/ Fabric Filter	5.85 lb Particulate per hour
Mullor w/Fabric Filter	2 lb particulate per hour or 8.76 tons particulate per year
Gray Iron Cupola w/Scrubber	15.8 lb particulate per hour 115.7 lb sulfur dioxide per hour