

**2.25 Metallurgical Melting - Cupola Furnaces**

2.25.1 Applicability and Designation of Affected Facility

- (a) The provisions of this source category apply to any ferrous foundry cupola furnace with an input process weight rate in excess of 50,000 pounds per hour.
- (b) The provisions of this source category do not exempt the owner or operator from meeting any requirements under 40CFR Part 60<sup>1</sup>.

2.25.2 Test Methods and Procedures

- (a) In conducting the performance tests required in Section 1.2, the owner or operator shall use as reference methods and procedures the test methods in Appendix A of this text or other methods and procedures specified in this section, except as provided in §1.2(b).
- (b) The owner or operator shall determine compliance with the particulate matter standard(s) as follows:
  - (1) The emission rate (E) of particulate matter for each run shall be computed using the following equation:

$$E = C_s Q_{sd}$$

Where:

E = emission rate of particulate matter, lbs./hr.

C<sub>s</sub> = concentration of particulate matter, lb./dscf.

Q<sub>sd</sub> = volumetric flow rate of effluent gas, dscf/hr.

- (2) Method 5 shall be used to determine the particulate matter concentration (C<sub>s</sub>) and the volumetric flow rate (Q<sub>sd</sub>) of the effluent gas. The sampling time and sample volume for each run shall be at least 60 minutes and 30 dscf.

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<sup>1</sup>Code of Federal Regulations, Title 40, Part 60.