



**Kansas Department of Health and Environment
Division of Environment
Bureau of Air and Radiation**

CAST IRON & STEEL FOUNDRIES

- 1) Source ID Number: _____

- 2) Company/Source Name: _____

- 3) Capacity for Gray Iron production: _____ tons/day
Capacity for Gray Iron castings: _____ tons/yr
Proposed production of Gray Iron: _____ tons/yr

- 4) Capacity for Steel production: _____ tons/day
Capacity for Steel castings: _____ tons/yr
Proposed production of Steel: _____ tons/yr

- 5) Operation schedule: _____ hours/ yr

- 6) Gray Iron Production processes:
Cupola _____ ; Electric Arc Furnace _____ ; Electric Induction Furnace _____ ; Reverberatory Furnace _____

- 7) Steel Melting process:
Electric Arc _____ ; Open Hearth _____ ; Open Hearth - Oxygen Lanced _____ ; Electric Induction _____

- 8) Mold and Core production resulting in VOC emissions:
Baking _____ ; Cold Setting _____

- 9) Ancillary processes and operations which could result in fugitive VOC and Particulate emissions:
Heating of Dirty or Oily Scrap and Charge, & Handling _____ ;
Heating of Clean Scrap and Charge, & Handling _____ Magnesium treatment _____ ;
Inoculation _____ ; Pouring & Cooling _____ ; Shake out _____ ; Cleaning & Finishing _____ ;
Sand Handling _____ ; Solid Core Baking _____ ; Oil Core making & Baking _____ ;
Hot Box Core Making _____ ; Cold Set Core Making _____ ; Cold Box Core Making _____ ;
Other - describe _____

CAST IRON & STEEL FOUNDRIES
(cont.)

- 10) Date of Original Construction: _____
Date of last Modification: _____
- 11) For annealing furnaces, use OVEN/DRYER form 6-4.0 and duplicate form as needed.
- 12) For surface coating processes, use PAINTING/COATING OPERATIONS form 4-6.0 and duplicate form as needed.
- 13) For emission control equipment, use the appropriate CONTROL EQUIPMENT form and duplicate as needed.
Be sure to indicate the emission unit that the equipment is affecting.
- 14) Did construction, modification, or reconstruction commence after June 11, 1973? Yes _____; No _____
If yes, this plant may be subject to NSPS, 40 CFR 60, Subpart N.
- 15) Did construction, modification, or reconstruction commence after January 20, 1983? Yes _____; No _____
If yes, this plant may be subject to NSPS, 40 CFR 60, Subpart Na.
- 16) Did construction, modification, or reconstruction commence after October 21, 1974? Yes _____; No _____
If yes, this plant may be subject to NSPS, 40 CFR 60, Subpart Z.
- 17) Did construction, modification, or reconstruction commence after October 21, 1974, and on or before August 17, 1983? Yes _____; No _____
If yes, this plant may be subject to NSPS, 40 CFR 60, Subpart AA.
- 18) Did construction, modification or reconstruction commence after August 17, 1983? Yes _____; No _____
If yes, this plant may be subject to NSPS, 40 CFR 60, Subpart AAa.