

## PART 213

## CONTAMINANT EMISSIONS FROM FERROUS JOBBING FOUNDRIES

(Statutory authority: Public Health Law, §§ 1371, 1376)

Sec.  
213.1 Applicability  
213.2 Definitions

Sec.  
213.3 Prohibition

## Historical Note

Part (§§ 213.1-213.3) renum. Part 279. Sided April 28, 1973 eff. May 1, 1972.  
Title 9, Sided Sept., 1972; new (§§ 213.1-213.3)

**Section 213.1 Applicability.** This Part shall apply to all ferrous jobbing foundry cupolas and ferrous jobbing foundry open hearths in operation on or prior to the effective date of this Part and to subsequent modifications but not to production foundries or any new foundries.

## Historical Note

Sec. renum. 279.1 Title 9, Sided Sept., 1972; new Sided April 28, 1973 eff. May 1, 1972.

**213.2 Definitions.** (a) *Foundry cupola.* A stack-type furnace used for melting of metals, consisting of, but not limited to, furnace proper, tuyeres, fans or blowers, tapping spout, charging equipment, gas cleaning devices and other auxiliaries.

(b) *Foundry open hearth.* A furnace in which the melting and refining of metal is accomplished by the application of heat to a saucer type or shallow hearth in an enclosed chamber. Such furnace consists of, but is not limited to, the furnace proper, checkers, flues and stack and may include a waste heat boiler, an oxygen lance and other auxiliaries pertinent to the process.

(c) *Jobbing foundry.* Any foundry where operations run intermittently for just long enough at one time to pour the molds that are ready on the foundry floor, job by job.

(d) *Melt time.* The time in which the metal is melting and available at the spout or tap hole, excluding any time the equipment is idle, preheating or preparing for shut down.

(e) *Production foundry.* Any foundry where operations will run continuously to pour a succession of molds that are constantly being prepared to receive the continuous flow of iron, or any foundry where the process weight will exceed 50,000 lb/hr, or any operation where melt times are in excess of four hours per 24-hour period.

## Historical Note

Sec. renum. 279.2 Title 9, Sided Sept., 1972; new Sided April 28, 1973 eff. May 1, 1972.

**213.3 Prohibition.** (a) After January 1, 1971, no person shall cause, permit or allow the emission of air contaminants, which will exceed the limits specified in table 1\*, from any ferrous jobbing foundry cupola or ferrous jobbing foundry open hearth in operation on or prior to the effective date of this Part, this prohibition to be applicable, also, to modifications made after the effective date of this Part, to such a cupola or open hearth.

(b) The commissioner may modify the limits specified in Table 1 [Appendix 4, (a)(7)(c)], if in view of the properties of the emissions, isolated conditions, stack height and other factors, it can be clearly demonstrated that discharge of the contaminant or contaminants will not result in measurable or observable effects on receptors.

\* See Appendix 4.

## APPENDIX 4

**TABLE 1**  
**Particulate Emissions**  
**From**  
**Turnout Jobbing Foundries**

<i>Process Weight (lb/hr)</i>	<i>Maximum Weight Discharge<sup>a</sup> (lb/hr)</i>
1,000	2.25
2,000	2.70
3,000	3.15
4,000	3.60
5,000	4.05
6,000	4.50
7,000	4.95
8,000	5.40
9,000	5.85
10,000	6.30
11,000	6.75
12,000	7.20
13,000	7.65
14,000	8.10
15,000	8.55
16,000	9.00
17,000	9.45
18,000	9.90
19,000	10.35
20,000	10.80

<sup>a</sup> Operations exceeding the permissible emission rate will be considered acceptable if the owner, operator or person responsible for the operation can show that under actual working conditions a collecting efficiency of 80% is achieved.