

**SUBPART Q: STONE, CLAY, GLASS
AND CONCRETE MANUFACTURING**

Section 212.421 New Portland Cement Processes

No person shall cause or allow the emission of smoke or other particulate matter from any new portland cement process into the atmosphere having an opacity greater than 10 percent.

Section 212.422 Portland Cement Manufacturing Processes

Section 212.321 shall not apply to the kilns and coolers of portland cement manufacturing processes.

a) The kilns and clinker coolers of existing portland cement manufacturing processes shall comply with the emission standards and limitations of Section 212.322.

b) The kilns and clinker coolers of new portland cement manufacturing processes shall comply with the following emission standards and limitations:

1) No person shall cause or allow the emission of particulate matter into the atmosphere from any such kiln to exceed 0.3 pounds per ton of feed to the kiln.

2) No person shall cause or allow the emission of particulate matter into the atmosphere from any such clinker cooler to exceed 0.1 pounds per ton of feed to the kiln.

(Source: Amended at 3 Ill. Reg. 184, effective September 28, 1979)

**SUBPART R: PRIMARY AND FABRICATED METAL
PRODUCTS AND MACHINERY MANUFACTURE**

Section 212.441 Steel Manufacturing Processes

Except where noted, Sections 212.321 and 212.322 shall not apply to the steel manufacturing processes subject to Sections 212.442 through 212.452.

(Source: Amended at 3 Ill. Reg. 184, effective September 28, 1979)

Section 212.442 Beehive Coke Ovens

No person shall cause or allow the use of beehive ovens in any coke manufacturing process.

(Source: Amended at 3 Ill. Reg. 184, effective September 28, 1979)

Section 212.443 By-Product Coke Plants

a) Subpart B shall not apply to by-product coke plants.

b) Charging:

i) Uncaptured Emissions

A) No person shall cause or allow the emission of visible particulate matter from any coke oven charging operation, from the introduction of coal into the first charge port, as indicated by the first mechanical movement of the coal feeding mechanism on the tarry car, to the replacement of the final charge port lid for more than a total of 125 seconds over 5 consecutive charges; provided however that 1 charge out of any 20 consecutive charges may be deemed an uncountable charge at the option of the operator.

B) Compliance with the limitation set forth in subsection (A) shall be determined in the following manner:

i) Observation of charging emissions shall be made from any point or points on the top side of a coke oven battery from which a qualified observer can obtain an unobstructed view of the charging operation.

ii) The qualified observer shall time the visible emissions with a stopwatch while observing the charging operation. Only emissions from the charge port and any part of the tarry car shall be timed. The observation shall commence as soon as coal is introduced into the first charge port as indicated by the first mechanical movement of the coal feeding mechanism on the tarry car and shall terminate when the last charge port lid has been replaced. Simultaneous emissions from more than one emission point shall be timed and recorded as one emission and shall not be added individually to the total time.

iii) The qualified observer shall determine and record the total number of seconds that charging emissions are visible during the charging of coal to the coke oven.

iv) For each charge observed, the qualified observer shall record the total number of seconds of visible emissions, the clock time for the initiation and completion of the charging operation and the battery identification and oven number.