

## PART 220

### PORTLAND CEMENT PLANTS

(Statutory authority: Environmental Conservation Law, §§ 8-0801, 19-0801)

Sec.	Sec.
220.1 Definitions	220.5 Opacity limits for new and modified portland cement processes.
220.2 Particulate emissions from existing kilns and clinker coolers	220.6 Start up and upset conditions
220.3 Particulate emissions from new or modified kilns and clinker coolers	220.7 Monitoring of emissions and operations
220.4 Opacity limits for existing portland cement processes	

#### Historical Note

Part repealed, new filed June 29, 1961; April 28, 1972; repealed, new Part (§§ 220.1—220.14) renum. Part 220, Title 9, § 220.7) filed Jan. 15, 1973 eff. 60 days after filing.  
§§ 220.1—220.14) renum. Part 220, Title 9, § 220.7) filed Jan. 15, 1973 eff. 60 days after filing.

**Section 220.1 Definitions.** (a) *Feed to the kiln.* The weight of all materials, excluding fuels and uncombined water, introduced into the kiln during the time when a stack sample is being taken to determine compliance with section 220.2 and 220.3 of this Part.

(b) *Opacity.* The degree to which emissions other than condensed water reduce the transmission of light and obscure the view of an object in the background.

(c) *Particulates.* Any air or gas-borne material, except water, which exists as a liquid or solid at 70 degrees Fahrenheit and 29.92 inches of mercury pressure absolute, and which is capable of being suspended in a gaseous system.

(d) *Process weight.* The total weight of all materials introduced into a process which may cause air contaminant emissions to the outdoor atmosphere. Solid fuel used in a process is considered part of the process weight, but liquid and/or gaseous fuel, uncombined water and combustion air are not.

(e) *Process weight per hour.* The total process weight divided by the number of hours in one complete operation from the beginning of a cycle to the completion thereof. For continuous processes, process weight shall be determined on a daily basis.

#### Historical Note

Sec. repealed, new filed June 29, 1961; filed April 28, 1972; repealed, new filed Jan. 15, 1973 eff. 60 days after filing.  
renum. 220.1, Title 9, filed Sept., 1971; new 15, 1973 eff. 60 days after filing.

**220.2 Particulate emissions from existing kilns and clinker coolers.** (a) Except as provided in section 220.3 or by order of the commissioner, no person shall cause or allow emission of particulates to the outdoor atmosphere from a portland cement kiln or clinker cooler in excess of the following emission rates:

(1) For process weight per hour less than 100,000 pounds  $E = 0.024P^{1.05}$  Where E is the emission rate in pounds per hour and P is the process weight per hour.

(2) For process weight per hour in excess of 100,000 pounds .05 grains per standard cubic foot of gas on a dry basis.

(b) After December 31, 1980, no person shall cause or allow emission of particulates to the outdoor atmosphere from a portland cement kiln in excess of 0.5 pounds per ton of feed to the kiln.

(c) After December 31, 1980, no person shall cause or allow emission of particulates to the outdoor atmosphere in excess of 0.10 pounds per ton of feed to the kiln from a portland cement clinker cooler.

#### Historical Note

Sec. repealed, new filed: June 29, 1961; repealed, new filed: May 17, 1973; Jan. 15, 1973 Oct. 27, 1961; renum. §§ 2.2, Title 6, filed eff. 60 days after filing. Sept., 1971; new filed April 28, 1973; re-

**220.3 Particulate emissions from new or modified kilns and clinker coolers.** (a) No person shall cause or allow emission of particulates to the outdoor atmosphere in excess of 0.30 pounds per ton of feed to the kiln from a portland cement kiln and/or related air cleaning device for which an application for a permit to construct is submitted pursuant to 6 NYCRR Part 201 subsequent to the effective date of this Part.

(b) No person shall cause or allow emission of particulates to the outdoor atmosphere in excess of 0.10 pounds per ton of feed to the kiln from a portland cement clinker cooler and/or related air cleaning device for which an application for a permit to construct was submitted pursuant to 6 NYCRR Part 201 subsequent to the effective date of this Part.

#### Historical Note

Sec. repealed, new filed June 29, 1961; filed: April 28, 1973; Jan. 15, 1973 eff. 60 days renum. §§ 3.3, Title 6, filed Sept., 1971; new after filing.

**220.4 Opacity limits for existing Portland cement processes.** (a) Except as provided in subdivision (b) of this section or in sections 220.5 or 220.6, no person shall cause or allow emission to the outdoor atmosphere of any material that has an opacity of 20 percent or greater for a period of three or more minutes during any continuous 60 minute period, from any apparatus, contrivance, machine, access road or dust dump which is used in or is appurtenant to the manufacture of portland cement, except uncombined water.

(b) Except as provided in section 220.6 after December 30, 1980, no person shall cause or allow emission to the outdoor atmosphere of any material that has an opacity of 10 percent or greater, except uncombined water, from a portland cement kiln or clinker cooler.

#### Historical Note

Sec. repealed, new filed June 29, 1961; repealed, new filed Jan. 15, 1973 eff. 60 days and. filed Sept. 10, 1968; renum. §§ 4.4, Title 6, filed Sept., 1971; new filed April 28, 1973; after filing.

**220.5 Opacity limits for new and modified Portland cement processes.** Except as provided in section 220.6, no person shall cause or allow emission to the outdoor atmosphere of any material that has an opacity of 10 percent or greater for a

period of three or more minutes in any continuous 60 minute period, from any apparatus, contrivance or machine which is used in or is appurtenant to the manufacture of portland cement and for which a permit to construct was submitted, pursuant to 6 NYCRR Part 201, subsequent to the effective date of this Part, except uncombined water.

**Historical Note**

Sec. repealed, new filed June 29, 1961; filed Jan. 15, 1973 eff. 60 days after filing.  
renum. 220.5, Title 9, filed Sept., 1971; new

**220.6** Start up and upset conditions. The commissioner may excuse a source owner from the provisions of sections 220.4 and 220.5 during startup or upset conditions that the source owner first notifies the commissioner of such start up or notifies the commissioner immediately thereafter of such upset condition.

**Historical Note**

Sec. repealed, new filed June 29, 1961; 9, filed Sept., 1971; new filed Jan. 15, 1973  
amd. filed May 23, 1969; renum. 220.6, Title 9, filed Sept., 1971.

**220.7** Monitoring of emissions and operations. (a) The owner of any portland cement kiln or clinker cooler shall maintain a file of daily production rates and kiln feed rates and any particulate emission measurements. The production and feed rates shall be summarized monthly. The records and summary shall be retained for at least three years following the date of such records and summaries and shall be made available for inspection by the commissioner during normal business hours.

(b) The owner of any portland cement kiln or clinker cooler subject to subdivision (b) of section 220.4 or section 220.5, shall install, maintain, calibrate daily and operate a device, approved by the commissioner, for continuously measuring and recording the opacity of emissions from such kiln or clinker cooler. Records or opacity shall be retained for at least three years following the date on which they are made.

**Historical Note**

Sec. repealed, new filed June 29, 1961; filed Jan. 15, 1973 eff. 60 days after filing.  
renum. 220.7, Title 9, filed Sept., 1971; new

**220.8****Historical Note**

Sec. repealed, new filed June 29, 1961;  
renum. 220.8, Title 9, filed Sept., 1971.

**220.9****Historical Note**

Sec. repealed, new filed June 29, 1961; 9, filed Sept., 1971.  
amd. filed Oct. 27, 1961; renum. 220.9, Title 9,

**220.10****Historical Note**

Sec. repealed, new filed June 29, 1961; 9, filed Sept., 1971.  
amd. filed Jan. 12, 1962; renum. 220.10, Title 9,

**220.11****Historical Note**

Sec. repealed, new filed June 29, 1961;  
renum. 220.11, Title 9, filed Sept., 1971.

**220.12****Historical Note**

Sec. added, filed June 29, 1961; amd. filed Sept., 1971.  
June 17, 1970; renum. 220.12, Title 9, filed

**220.13****Historical Note**

Sec. added, filed Nov. 13, 1968; repealed, 9, filed Sept., 1971.  
new filed Dec. 16, 1970; renum. 220.13, Title 9,

**220.14****Historical Note**

Sec. added, filed May 23, 1969; renum.  
220.14, Title 9, filed Sept., 1971.