

CHAPTER Env-A 2100 PARTICULATE MATTER AND VISIBLE EMISSIONS STANDARDS

Statutory Authority: RSA 125-C:4:I, (a) and (e)

PART Env-A 2101 PURPOSE

Env-A 2101.01 Purpose. The purpose of this chapter is to establish standards for particulate matter and visible emissions for those stationary sources or devices that are not specifically regulated pursuant to any other chapter, part, or section of this subtitle.

Source. #6428-B, eff 1-18-97 (formerly Env-A 1203); ss by #8215, eff 11-24-04

PART Env-A 2102 EMISSION STANDARDS FOR PARTICULATE MATTER

Env-A 2102.01 Applicability.

(a) Subject to (b), below, this part shall apply to any stationary source or device that is a source of particulate matter emissions discharged to the ambient air through a stack or exhaust and ventilation system.

(b) Those sources of particulate matter emissions that are governed specifically by other chapters, parts, or sections of this subtitle shall be controlled by those particular chapters, parts, or sections.

Source. #6428-B, eff 1-18-97 (formerly Env-A 1203); ss by #8215, eff 11-24-04 (from Env-A 2103)

Env-A 2102.02 Definitions. “Exhaust and ventilation system” means any system that removes and transports particulate matter from the point of generation to the ambient air.

Source. #8215, eff 11-24-04 (from Env-A 2103)

Env-A 2102.03 Emission Standards for Particulate Matter.

(a) For any stationary source or device installed after February 18, 1972, the owner or operator shall not cause or allow the emission of particulate matter at such source or device to exceed those emission standards specified for “New Devices” as listed in Table 2102-1, in (c), below.

(b) For any stationary source or device installed prior to or on February 18, 1972, the owner or operator shall not cause or allow the emission of particulate matter at such source or device to exceed those emission standards specified for “Existing Devices” as listed in Table 2102-1, in (c), below.

(c) Particulate matter emission standards shall be as set forth in Table 2102-1, below:

Table 2102-1 Particulate Matter Emission Standards

Process Weight Rate (tons per hour):	Emission Standard for “New Devices” Installed After February 18, 1972: (pounds per hour):	Emission Standard for “Existing Devices” Installed Prior to or on February 18, 1972 (pounds per hour):
0.025	0.36	0.43
0.05	0.55	0.68
0.25	1.53	1.99
0.5	2.58	3.17

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2.5	7.58	9.35
5	12.0	14.85
10	19.2	23.62
30	40.0	49.31
40	42.5	51.03
60	46.3	55.55
90	49.0	58.88
100	51.2	61.53
500	69.0	82.75
1,000	77.6	93.11

Source. #8215, eff 11-24-04 (from Env-A 2103)

Env-A 2102.04 Calculation of Particulate Matter Emission Standards.

(a) Where the process weight rate is not explicitly stated in Table 2102-1, above, the maximum allowable particulate matter emission rate shall be calculated by the equation which is applicable for the particular process weight, as designated in (b) and (c), below, where:

- (1) "E" means the maximum allowable particulate matter emission rate in pounds per hour (lb/hr); and
- (2) "P" means the process weight rate in tons per hour (tons/hr).

(b) For an "Existing Device" installed prior to or on February 18, 1972 with a process weight rate:

- (1) Up to 30 tons/hr, P shall be raised to the 0.67 power and multiplied by 5.05, as in the formula below:

$$E = 5.05 P^{0.67}$$

- (2) In excess of 30 tons/hr, P shall be raised to the 0.11 power and multiplied by 66.0, and then 48 shall be subtracted from that result, as in the formula below:

$$E = 66.0 P^{0.11} - 48$$

(c) For a "New Device" installed after February 18, 1972 with a process weight rate:

- (1) Up to 30 tons/hr, P shall be raised to the 0.67 power and multiplied by 4.10, as in the formula below:

$$E = 4.10 P^{0.67}$$

- (2) In excess of 30 tons/hr, P shall be raised to the 0.11 power and multiplied by 55.0, and then 40 shall be subtracted from that result, as in the formula below:

$$E = 55.0 P^{0.11} - 40$$

Source. #8215, eff 11-24-04 (from Env-A 2103)

PART Env-A 2103 VISIBLE EMISSION STANDARDS

Env-A 2103.01 Applicability.

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(a) Subject to (b), below, this part shall apply to any stationary source or device that is a source of visible emissions.

(b) Those sources of visible emissions that are governed specifically by other chapters, parts, or sections of this subtitle shall be controlled by those particular chapters, parts, or sections.

Source. #6428-B, eff 1-18-97 (formerly Env-A 1203); ss by #8215, eff 11-24-04 (formerly Env-A 2107)

Env-A 2103.02 Visible Emission Standards.

(a) The owner or operator shall not cause or allow visible emissions from any stationary source or device subject to this part to exceed an average of 20 percent opacity for any continuous 6-minute period, except for one period of 6 continuous minutes in any 60-minute period during startup, shutdown, or malfunction.

(b) Opacity shall be determined in accordance with Env-A 807.

Source. #6428-B, eff 1-18-97 (formerly Env-A 1203); ss by #8215, eff 11-24-04 (formerly Env-A 2107)

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Appendix

Provision of the Rule	Specific State or Federal Statutes or Regulations which the Rule is Intended to Implement
Env-A 2101 - 2103	RSA 125-C:4, I(a); RSA 125-C:6, II