

06- DEPARTMENT OF ENVIRONMENTAL PROTECTION

096 BUREAU OF AIR QUALITY CONTROL

CHAPTER 105 GENERAL PROCESS SOURCE PARTICULATE EMISSION STANDARD

SUMMARY: This regulation establishes a limitation on the amount of particulate emissions allowed from any general process source determined on the basis of the size and rate at which the process operates. Also included are specific emission limitations on Kraft pulping processes based on the tons of pulp produced.

1. Scope.

A general process source shall be any emission source except fuel-burning equipment, incinerators, mobile sources, open burning sources, and sources of fugitive dust. This emission standard shall be effective in all regions in the State of Maine as follows:

A. Immediately for all new process sources the construction of which begins after the Commission adopts this emission standard unless such sources are required to meet a stricter standard of performance;

B. June 1, 1975 for all existing sources.

2. Emission Standard.

Any person operating any general process source within the scope of this regulation, except kraft pulping processes, shall limit the emission of particulate air contaminants from such emission source in accordance with Section 4, for a 2-hour sampling period.

Any person operating any kraft pulping process shall limit the emission of particulate air contaminants from such emission source as follows: 4 pounds of particulate emissions per air dried ton of kraft pulp from the recovery boiler, 1 pound of particulate air contaminants per air dried ton of kraft pulp from the lime kiln, 0.5 pound of particulate air contaminants per air dried ton of kraft pulp from the smelt tank for a 2-hour sampling period.

All similar units, processes operated by the same person at the same general location shall be combined in computing the process weight rate for use in Table 105A.

4. Table 105A

Process Weight Rate (lb./hr.)	Emission Rate (lbs./hr.)
50	0.36
100	0.55
500	1.53
1,000	2.25
5,000	6.34
10,000	9.73
20,000	14.99
60,000	29.60
80,000	31.19
120,000	33.28
160,000	34.85
200,000	36.11
400,000	40.35
1,000,000	46.72

Interpolation of Table 1 for process weight rates up to 60,000 lbs./hr. shall be computed by use of the following equation:

$$E = 3.59P^{0.62} \text{ for } P \text{ less than or equal to } 30 \text{ tons/hr.}$$

and interpolation and extrapolation of Table 1 for rates in excess of 60,000 lbs./hr. shall be computed by use of the equation:

$$E = 17.31P^{0.16} \text{ for } P \text{ greater than } 30 \text{ tons/hr.}$$

Where E = Emissions in pounds per hour and P = process weight rate in tons per hour.

5. Malfunction or breakdown.

Any person owning or operating a source under the scope of this emission standard that malfunctions or suffers a breakdown in any component part that causes this emission standard to be violated shall notify the Commission within 48 hours in writing.

6. Test Methods and Procedures.

Test methods 1 and 5 as promulgated by the Administrator, Environmental Protection

Agency Rules and Regulations 60.85, "Federal Register", volume 36, number 247, Thursday, December 23, 1971 or such other methods as are deemed equivalent by the Environmental Improvement Commission shall be used to determine compliance with this regulation.

BASIS STATEMENT : The basis of the regulation is to limit particulate emissions from this category of sources so as to protect the ambient air quality standard.

AUTHORITY: 38 M.R.S.A., Section 585, 585-A

EFFECTIVE DATE: January 31, 1972