

20.0 REGULATION OF INCINERATORS

20.1 Prohibitions

- A. On or after October 1, 1972, no incinerator shall be installed or operated except multiple chamber incinerators equipped and operated as follows or as required by the Director:
1. Comply with emission standards as set forth in Table IV and Section 17.0, Regulation of Visible Emissions.
 2. No person shall construct an incinerator having a charging rate of 100 pounds or less per hour.
 3. It is provided with an auxiliary burner for purposes of maintaining a temperature of at least 800°F in the primary combustion chamber.
 4. It has equipment which is demonstrated to the Director to be effective in destroying smoke and/or odors; such as a secondary burner.
 5. It is a type of incinerator design that can be demonstrated to the Director to be effective in accordance with all provisions of this section. The burden of proof shall rest upon the owner of the proposed incinerator.
 6. Any other provisions of this Section, notwithstanding, no person shall operate an incinerator used for the disposal of refuse produced by fewer than 51 families.
 7. No person shall make any repairs or alterations to an incinerator which will cost more than 20 percent of the replacement cost of the incinerator unless such repairs or alterations will result in a final installation which will meet the requirements of these regulations for incinerators.
 8. Incinerators having a minimum charging rate of 100 to 600 pounds per hour shall be used for incineration of Type 0 and Type 1 waste exclusively except as provided by the Director for the incineration of pathological wastes, Type 4.
 - a. Type 0 - Trash, a mixture of highly combustible waste such as paper, cardboard, cartons, wood boxes, and combustible floor sweepings from commercial and industrial activities. This mixture shall not contain oily rags, rubber scraps, or any putrescible matter. This type of waste shall not contain more than 10 percent moisture or 5 percent non-combustible solids.
 - b. Type 1 - Trash, a mixture of highly combustible waste such as paper, cardboard, cartons, wood boxes, and combustible floor sweepings from commercial and industrial activities. This mixture shall not contain oily rags, rubber scraps, or any putrescible matter. This type of waste shall not contain more than 25 percent moisture or 10 percent non-combustible solids.
 - c. Type 2 - An approximately even mixture of rubbish and garbage by

weight. This type of waste, common to apartment and residential occupancy, consists of up to 50% moisture and 7% incombustible solids, and has a heating value of 4,300 BTU per pound as fired.

- d. Type 3 - Garbage such as animal and vegetable wastes from restaurants, hotels, hospitals, markets, and similar installations. This type of waste contains up to 70% moisture and up to 5% incombustible solids, and has a heating value of 2,500 BTU per pound as fired.
 - e. Type 4 - Human and animal remains, such as organs, carcasses, and solid organic waste from hospitals, laboratories, slaughterhouses, animal pounds, and similar sources, containing up to 85% moisture and 5% incombustible solids, and having a heating value of as low as 1,000 BTU per pound as fired.
 - f. Type 5 - Gaseous, liquid, or semi-liquid by-product waste, such as tar, paint solvent, sludge, and fumes from industrial operations. BTU values must be determined by the individual materials to be destroyed.
 - g. Type 6 - Solid by-product waste, such as rubber, plastic, and wood waste from industrial operations. BTU values must be determined by the individual materials to be destroyed.
9. The burning of plastics in any form shall not be permitted in any incinerator having a capacity of 600 pounds or less.
- B. On or before October 1, 1972, all existing incinerators shall meet the standards for particulate emissions as set forth in column B, Table IV.
- C. On or after the effective date of these regulations, all new incinerators shall meet the particulate emissions standards as set forth in column A, Table IV.
- D. On or before July 1, 1975, all incinerators shall meet the new particulate emission standards as set forth in column A, Table IV.

TABLE IV

MAXIMUM ALLOWABLE PARTICULATE EMISSION
STANDARDS FOR INCINERATORS

Rated or Operating Charging of Charging Rate	Emission Standard in Percent		Rate in Pounds Per Hour
	<u>A</u>	<u>B</u>	
	New Incinerator	Existing Incinerator	

100 to 199	0.2	0.6
200 to 599	0.2	0.4
600 to 2,000	0.075	0.4
Greater than 2,000	0.075	

THIS IS THE FEDERALLY APPROVED REGULATION AS OF AUGUST 3, 1989

	Date Submitted to EPA	Date Approved by EPA	Federal Register
Original Reg	AUG 17, 1972	OCT 28, 1972	37FR23085
1st Revision	JUL 07, 1986	AUG 03, 1989	54FR31953