

REGULATION 1107

PARTICULATE EMISSIONS FROM INCINERATION

[State Title: 1107 Emissions From Incineration of Noninfectious Waste]

1.0 General Provisions

1.1 The provisions of 1.0 and 2.0 of this Regulation shall not apply to incineration operations disposing of refuse at a rate greater than 3,000 pounds per hour. Control for such operations will be specified individually by the Department.

1.2 The provisions of this Regulation shall not apply to open-pit incinerators. Control for such operations will be specified on an individual basis by the Department.

1.3 The provisions of this Regulation shall not apply to incinerators which are used exclusively for experimentation. Control of such units will be specified on an individual basis by the Department.

1.4 The allowable mass emission rate for a charging rate between any two consecutive charging rates shall be determined by linear interpolation from Table 2-1 of this regulation.

1.5 The allowable mass emission rate for a charging rate below the minimum charging rate shall be determined by linear extrapolation from Table 2-1 of this regulation.

1.6 The provisions of this Regulation shall not apply to the start-up and shutdown of equipment which operates continuously or in an extended steady state when emissions from such equipment during start-up and shutdown are governed by an operation permit issued pursuant to the provisions of 2.0 of 7 **DE Admin. Code** 1102.

Section 2 - Restrictions

2.1 No person shall cause or allow particulate emissions from refuse incinerators into the atmosphere in excess of the appropriate mass emission rate indicated in Table 1.

TABLE 1

ALLOWABLE MASS EMISSION RATE FROM
REFUSE INCINERATION EQUIPMENT

<u>Charging Rate Mass (Pounds Per Hour)</u>	<u>Emission Rate (Pounds Per Hour)</u>
100	0.2

200	0.4
300	0.6
400	0.8
500	1.0
1,000	2.0
2,000	3.5
3,000	5.0

- 2.2 No person shall cause or allow the construction of any new incinerator except for the disposal of:
- a. Pathological waste
 - b. Contaminated waste
 - c. Industrial waste or sludge in specific instances where no other method of disposal is acceptable to the Secretary.
 - d. Composted refuse or sludge from sewage treatment plants specifically prepared for incineration.

12/8/83

- 2.3 No person shall cause or allow the operation of an incinerator used for the destruction of pathological waste unless the combustion temperature is greater than 1400 degrees F. An indicating pyrometer or other temperature control device shall be installed in such a manner to accurately determine combustion chamber temperature.