

## Title 26 DEPARTMENT OF THE ENVIRONMENT Subtitle 11 AIR QUALITY

### Chapter 08 Control of Incinerators

**Note:** EPA has approved the general format of Maryland's regulations under COMAR 26.11.xx.xx. However, some of the SIP regulations controlling incinerators (except as noted below) are officially incorporated in the Maryland SIP (40 CFR Part 52, Subpart V) under the format of former COMAR 10.18.xx.xx, since these regulations had become State-effective before August 1, 1988 (the effective date of the changeover from COMAR 10.18.08 to COMAR 26.11.08).

#### 10.18.08.01 Definitions.

- A. "I.I.A. Standards" means the standards published by the Incinerator Institute of America in the document entitled "I.I.A. Incinerators Standards" (1968).
- B. "Incinerator" means an enclosed device or contrivance (except a hazardous waste incinerator) using controlled flame combustion for the thermal destruction of garbage, rubbish, or other waste.
- C. "Infectious Waste" means any combination of organic and inorganic liquid or solid waste as defined in the Department's publication "Amended Interpretative Guidelines for the Disposal of Infectious Waste (July 1, 1978)" dated April 9, 1980. Hospital general waste when burned in conjunction with infectious waste generated at the hospital, shall be considered infectious waste.
- D. "Hazardous waste incinerator" means a hazardous waste incinerator as defined in COMAR10.51.01.03B(33)(26.2) [*Now cited as COMAR 26.13.01.03B(33)*].

#### 26.11.08.01 Definitions.

\*\*\*

B. Terms Defined.

\*\*\*

(9-1) "Crematory " means a furnace where a human or animal corpse is burned with:

(a) The container or bag in which the human or animal corpse is placed or transported;

and

(b) The animal bedding, if applicable.

#### 10.18.08.02 Applicability.

A. Any source which is subject to the provisions of this chapter is also subject to the provisions of any other chapter. However, when this chapter establishes an emission standard for a specific installation which differs from the general emission standards in COMAR 10.18.06.01– .09 [*now cited as COMAR 26.11.06.01–.09*], this chapter takes precedence.

### **10.18.01.03 Prohibition of Certain Incinerators in Areas III and IV.**

A. A person may not cause or permit the construction or use of any flue-fed, chute-fed, or single chamber incinerator. A person may not cause or permit the construction or use of any other incinerator except as listed below:

- (1) Incinerators that are used to burn Type 0, 1, 2, and 3 waste (according to I.I.A. Standards) and which have a capacity of 5 tons (4,540 kilograms) per hour or greater and which are used to burn at least 20 tons (18,100 kilograms) of refuse per day.
- (2) Crematory incinerators that are used to burn a Type 4 waste (according to I.I.A. standards).
- (3) Specific by-product incinerators that are used to burn Type 5 or 6 wastes (according to I.I.A. standards) and which have a burning rate of at least 1 ton (907 kilograms) per hour and are used to burn at least 2 tons (1,810 kilograms) per day of wastes.
- (4) Infectious waste incinerators that are approved for that purpose by the Department.

B. Householders are permitted to burn ordinary household trash (A.A.I..waste types 0 and 1 only) originating on the premises, in incinerators, in those areas where public collection of refuse is not provided.

C. Any incinerator, the use of which is prohibited under provisions of this regulation, shall be made inoperable in a manner approved by the control officer or the Department.

### **26.11.08.04/10.18.08.04 Visible Emissions.**

A. In Areas I, II, V, and VI, the following apply:

- (1) Except as provided in Regulations .08 and .08-1 of this chapter, a person may not cause or permit the discharge of emissions from any incinerator, other than water in an uncombined form, which is greater than 20 percent opacity;
- (2) A person may not cause or permit the discharge of emissions from any hazardous waste incinerator, other than water in an uncombined form, which is visible to human observers.

B. In Areas III and IV, a person may not cause or permit the discharge of emissions from any incinerator or hazardous waste incinerator, other than water in an uncombined form, which is visible to human observers.

C. Exceptions. The requirements of §§A and B of this regulation do not apply to emissions during start-up, or adjustments or occasional cleaning of control equipment if:

- (1) The visible emissions are not greater than 40 percent opacity; and
- (2) The visible emissions do not occur for more than 6 consecutive minutes in any 60 minute period.

D. The owner or operator of a municipal waste combustor that is required to install and operate a COM is subject to the requirements in COMAR 26.11.01.10.

#### **26.11.08.05/10.18.08.05 Particulate Matter.**

##### **A. Areas I, II, V, and VI.**

(1) Calculations. Incinerator or hazardous waste incinerator emissions shall be adjusted to 12 percent carbon dioxide.

(2) Incinerators Erected Before January 17, 1972. A person may not cause or permit the discharge into the outdoor atmosphere from any incinerator constructed before January 17, 1972, particulate matter to exceed the following limitations:

(a) Incinerators burning less than 200 pounds (90.7 kilograms) of municipal solid waste per hour, 0.3 gr/SCFD (687 mg/dscm);

(b) Incinerators burning 200 pounds (90.7 kilograms) or more pounds of municipal solid waste per hour, 0.2 gr/SCFD (458 mg/dscm).

(3) Incinerators Constructed on or After January 17, 1972. Except as provided in Regulations .07, .08, and .08-1 of this chapter, a person may not cause or permit the discharge of particulate matter into the outdoor atmosphere from any incinerator or crematory constructed on or after January 17, 1972, to exceed 0.10 grains per standard cubic foot dry 0.10 gr/SCFD (229 mg/dscm).

(4) Hazardous Waste Incinerators. A person may not cause or permit to be discharged into the outdoor atmosphere from any hazardous waste incinerator, particulate matter to exceed 0.03 gr/SCFD (68.7 mg/dscm).

##### **B. Areas III and IV.**

(1) Calculations. Incinerator or hazardous waste incinerator emissions shall be adjusted to 12 percent carbon dioxide.

(2) Except as provided in Regulations .07, .08, and .08-1 of this chapter, a person may not cause or permit the discharge of particulate matter into the outdoor atmosphere from any incinerator, hazardous waste incinerator, or crematory to exceed the following limitations:

(a) Special medical waste incinerators burning less than 1 ton of refuse per hour and less than 8 tons of refuse per day and crematories, 0.10 grains per standard cubic foot dry 0.10 gr/SCFD (229 mg/dscm);

(b) All other incinerators and hazardous waste incinerators, 0.03 gr/SCFD (68.7 mg/dscm).

#### **10.18.08.06 Prohibition of Unapproved Hazardous Waste Incinerators.**

A person may not cause or permit the construction or use of any hazardous waste incinerator except in accordance with COMAR 10.51.05.15 [now cited as COMAR 26.13.05.15] and this chapter.

[Section 26.11.08.04/10.18.08.04C. is revised; the SIP effective date is August 31, 2007.]

[Section 26.11.08.01B(9) is added; Sections 26.11.08.05/10.18.08.05A(3) and .5B(2)(a) are revised; the SIP effective date is October 15, 2008.