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CHAPTER Env-A 4300 OTHER SOLID WASTE INCINERATION

Statutory authority: RSA 125-C:4, I(a)

PART Env-A 4301 PURPOSE AND APPLICABILITY

Env-A 4301.01 Purpose. The purpose of this chapter is to establish operating and performance standards for existing solid waste incineration units with the capacity to combust less than 35 tons per day of solid waste, referred to by the U.S. Environmental Protection Agency (US EPA) as Other Solid Waste Incineration (OSWI) units. This rule is required by 40 CFR part 60, subpart FFFF.

Source. #8787, eff 1-5-07; ss by #10765, eff 1-22-15

Env-A 4301.02 Applicability. This chapter shall apply to all existing OSWI units, as defined in Env-A 4302.02, and their owners and operators.

Source. #8787, eff 1-5-07; ss by #10765, eff 1-22-15

PART Env-A 4302 REFERENCES AND DEFINITIONS

Env-A 4302.01 References. For the purpose of this chapter, unless otherwise specified all references to 40 CFR 60 shall be to 40 CFR part 60, subpart FFFF published December 16, 2005.

Source. #8787, eff 1-5-07; ss by #10765, eff 1-22-15

Env-A 4302.02 Definitions. For the purposes of this chapter:

(a) The definitions in 40 CFR §60.2991 through §60.2994 shall apply to all existing OSWI units;

(b) “Existing other solid waste incinerator (existing OSWI) unit” means a waste incinerator with a combustion capacity less than 35 tons per day of solid waste for which construction was commenced on or before December 9, 2004;

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(c) “Institutional waste incinerator (IWI)” means an incineration unit located at an institutional facility burning institutional waste as defined in 40 CFR §60.3078;

(d) “Very small municipal waste incinerator (VSMWI)” means an incineration unit with a combustion capacity less than 35 tons per day burning municipal solid waste (MSW) as defined in 40 CFR §60.3078; and

(e) “Waste management plan” means a written plan that identifies both the feasibility and the methods used to reduce or separate certain components of solid waste from the waste stream in order to reduce or eliminate toxic emissions from incinerated waste.

Source. #8787, eff 1-5-07; ss by #10765, eff 1-22-15

PART Env-A 4303 EMISSION LIMITS

Env-A 4303.01 Emission Limits For Existing OSWI Units.

(a) Subject to (b), below, the emission limits for existing OSWI units shall be as specified in table 4303-1, below, for the listed air pollutants or parameters and all OSWI technologies:

Table 4303-1: Emission Limits for All Existing OSWI Units

Pollutant/Parameter	Emission Limits^a	Compliance Determination^{b, c}
Cadmium (Cd)	18 micrograms per dry standard cubic meter (µg/dscm)	EPA Method 29
Carbon Monoxide (CO)	40 parts per million dry volume (ppmdv)	EPA Methods 10, 10A or 10B
Dioxins/Furans, total mass basis	33 nanograms per dry standard cubic meter (ng/dscm)	EPA Method 23
Hydrogen Chloride (HCl)	15 ppmdv	EPA Method 26A
Lead (Pb)	226 µg/dscm	EPA Method 29
Mercury (Hg)	74 µg/dscm	EPA Method 29
Opacity	10 percent	EPA Method 9
Oxides of Nitrogen (NO _x)	103 ppmdv	EPA Methods 7, 7A, 7C, 7D or 7E ^d
Particulate Matter (PM)	0.013 grains per dry standard cubic foot (gr/dscf)	EPA Methods 5 or 29
Sulfur Dioxide (SO ₂)	3.1 ppmdv	EPA Method 6 or 6C ^e

(b) The following notes shall apply to table 4303-1:

- (1) The letter “a” shall indicate that all emission limits except opacity are measured at 7 percent oxygen, dry basis at standard conditions;
- (2) The letter “b” shall indicate that these methods are found in 40 CFR part 60, appendix A;
- (3) The letter “c” shall indicate that compliance with the CO emission limit is determined on a 12-hour rolling average basis using continuous emission monitoring system data;
- (4) The letter “d” shall indicate that ANSI/ASME PTC 19.10-1981-Part 10 is an acceptable alternative to Methods 7 and 7C only; and
- (5) The letter “e” shall indicate that ANSI/ASME PTC 19.10-1981-Part 10 is an acceptable alternative to Method 6 only.

Source. #8787, eff 1-5-07; ss by #10765, eff 1-22-15

PART Env-A 4304 OPERATING REQUIREMENTS

Env-A 4304.01 Operating Practices for Existing OSWI Units. The owner or operator of an existing OSWI unit using a wet scrubber to control emissions shall comply with the operating practices specified in table 4304-1, below:

Table 4304-1: Operating Practices for Existing OSWI Units

Operating Parameters	Operating Limits	Continuous Monitoring Recording Times
Charge rate	Maximum charge rate	Every hour
Pressure drop across the wet scrubber, or amperage to the wet scrubber	Minimum pressure drop or amperage	Every 15 minutes
Scrubber liquor flow rate	Minimum flow rate	Every 15 minutes
Scrubber liquor pH	Minimum pH	Every 15 minutes

Source. #8787, eff 1-5-07; ss by #10765, eff 1-22-15

Env-A 4304.02 Compliance Determinations.

(a) Subject to (b), below, compliance with the operating practices specified in table 4304-1 shall be determined on a 3-hour rolling average basis.

(b) Charge rate for batch incinerators shall be determined on a calendar-day 24-hour basis.

Source. #8787, eff 1-5-07; ss by #10765, eff 1-22-15

Env-A 4304.03 Operator Training.

(a) Operator training for OSWI units shall be obtained through the state program specified in Env-Sw 1600.

(b) At least one employee or supervisor of an OSWI unit shall complete the operator training course required by (a), above.

(c) An employee or supervisor specified in (b), above, shall complete the training course specified in (a), above, by the date the employee assumes responsibility for operating the OSWI unit or assumes responsibility for supervising the operation of the OSWI unit.

(d) An employee or supervisor specified in (b), above, shall complete an annual review or refresher course as specified in Env-Sw 1600.

Source. #10765, eff 1-22-15 (from Env-A 4305.01)

Env-A 4304.04 Waste Management Plan. The owner or operator of an OSWI unit shall prepare a waste management plan as described in 40 CFR §§ 60.3010, 60.3011, and 60.3012.

Source. #10765, eff 1-22-15 (formerly Env-A 4306.01)

PART Env-A 4305 MONITORING AND TESTING; REPORTING AND RECORDKEEPING

Env-A 4305.01 Testing Required. The owner or operator shall conduct initial and subsequent performance testing at each existing OSWI unit for which the owner or operator is responsible to determine compliance with the emissions limits specified in table 4303-1 for the following pollutants and parameters:

- (a) Particulate matter;
- (b) Opacity;
- (c) Cadmium;

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- (d) Lead;
- (e) Mercury;
- (f) Hydrogen chloride; and
- (g) Dioxins/furans.

Source. #8787, eff 1-5-07; ss by #10765, eff 1-22-15

Env-A 4305.02 Methods and Schedules for Performance and Compliance Testing. Performance testing at all existing OSWI units shall be conducted:

- (a) On the schedule in 40 CFR §§60.3033 through 60.3035; and
- (b) In accordance with 40 CFR §§60.3027 and 60.3031.

Source. #10765, eff 1-22-15

Env-A 4305.03 Continuous Monitoring.

(a) The owner or operator of an existing OSWI unit shall comply with the continuous emission monitoring requirements in 40 CFR §§60.3027 and 60.3033.

(b) Continuous emission monitoring data gathered at all existing OSWI units shall be used to determine compliance with carbon monoxide emissions limits specified in table 4303-1; and

(c) Continuous monitoring data gathered at all existing OSWI units shall be used to determine compliance with operating parameters specified in table 4304-1.

Source. #10765, eff 1-22-15

Env-A 4305.04 Reporting and Recordkeeping Requirements. The owner or operator of an existing OSWI unit shall comply with the reporting and recordkeeping requirements specified in 40 CFR §60.3046 and §60.3048.

Source. #10765, eff 1-22-15

APPENDIX

Rule	State or Federal Statute or Federal Regulation Implemented
Env-A 4300	RSA 125-C:4,I.(a); 42 U.S.C. §7429(b); 40 CFR part 60, subpart FFFF
Env-A 4301	RSA 125-C:6; 42 U.S.C. §7429(b); 40 CFR §§60.2980 and 60.2981
Env-A 4302	RSA 125-C:6; 42 U.S.C. §7429(b); 40 CFR §§60.2991 - 60.2994
Env-A 4303	RSA 125-C:4,I.(a); 42 U.S.C. §7429(b); 40 CFR §§60.3022 - 60.3024; table 2 to 40 CFR part 60, subpart FFFF
Env-A 4304.01	RSA 125-C:6; 42 U.S.C. §7429(b); table 3 to 40 CFR part 60, subpart FFFF
Env-A 4304.02	RSA 125-C:6; 42 U.S.C. §7429(b); table 3 to 40 CFR part 60, subpart FFFF
Env-A 4304.03	RSA 125-C:6; 42 U.S.C. §7429(b); 40 CFR §§60.3014 - 60.3018
Env-A 4304.04	RSA 125-C:6; 42 U.S.C. §7429(b); 40 CFR §§60.3010 - 60.3012
Env-A 4305.01-Env-A 4305.03	RSA 125-C:6,XI.; 42 U.S.C. §7429(b);40 CFR §§60.3027 - 60.3044
Env-A 4305.04	RSA 125-C:6, XI; 42 U.S.C. §7429(b); 40 CFR §60.3046; 40 CFR §60.3048