

26.11.09.12

.12 Standards for Biomass Fuel-Burning Equipment Equal to or Greater Than 350,000 Btu/hr.

A. Applicability. The requirements of this regulation apply to a person who owns or operates biomass fuel-burning equipment equal to or greater than 350,000 Btu/hr heat input capacity.

B. Federal Requirements. The requirements of 40 CFR 63 Subparts DDDDD and JJJJJ, as amended, are applicable.

C. Requirements for Biomass Fuel-Burning Equipment Greater Than or Equal to 10 MMBtu/hr Heat Input Capacity. A person subject to the requirements of this regulation may not install or operate new biomass fuel-burning equipment, unless the following standards and requirements are met:

(1) A particulate matter emission standard of 0.07 lb/MMBtu heat input if the total heat input capacity is less than 30 MMBtu/hr;

(2) A particulate matter emission standard of 0.03 lb/MMBtu heat input if the total heat input capacity is equal to or greater than 30 MMBtu/hr;

(3) A NO_x emission standard of 0.30 lb/MMBtu heat input, if the heat input capacity is less than or equal to 250 MMBtu/hr;

(4) A NO_x emission standard of 0.25 lb/MMBtu heat input, if the heat input capacity is greater than 250 MMBtu/hr; and

(5) An initial and biennial tune-ups are conducted.

D. Requirements for Biomass Fuel-Burning Equipment Greater Than 1.5 MMBtu/hr and Less Than 10 MMBtu/hr Heat Input Capacity. A person subject to the requirements of this regulation may not install or operate new biomass fuel-burning equipment unless the following standards and requirements are met:

(1) A particulate matter emission standard of 0.23 lb/MMBtu heat input in Areas I, II, V and VI;

(2) A particulate matter emission standard of 0.1 lb/MMBtu heat input in Areas III and IV;

(3) A NO_x emission standard of 0.30 lb/MMBtu heat input; and

(4) An initial and biennial tune-ups are conducted.

E. Requirements for Biomass Fuel-Burning Equipment Less Than or Equal to 1.5 MMBtu/hr and Greater than 350,000Btu/hr Heat Input Capacity. A person subject to the requirements of this regulation may not install or operate new biomass fired fuel-burning equipment that is less than equal to 1.5 MMBtu/hr heat input and greater than 350,000 Btu/hr heat input unless the following standards are met:

(1) A particulate matter emission standard of 0.35 lb/MMBtu heat input in Areas I, II, V and VI;

(2) A particulate matter emission standard of 0.1 lb/MMBtu heat input in Areas III and IV;

(3) A NO_x emission standard of 0.30 lb/MMBtu heat input; and

(4) An initial and biennial tune-ups are conducted.

F. A person subject to the requirements of this regulation may not operate biomass fuel-burning equipment installed prior to May 1, 2014 unless:

(1) An initial and biennial tune-ups are conducted; and

(2) All the standards and requirements of Regulations .03 and .05—.09 of this chapter are met.

G. A person subject to the requirements of this regulation shall operate the fuel-burning equipment in accordance with the design and maintenance specifications of the manufacturer in order to meet and maintain compliance with the applicable emission standards and performance requirements.

H. Startup and Shutdown Requirements. A person subject to the requirements of §§C, D and E of this regulation shall minimize the boiler's startup and shutdown periods following the:

- (1) Manufacturer's recommended procedures, if available; or
- (2) Recommended procedures for a unit of similar design for which manufacturer's recommended procedures are available if manufacturer's recommended procedures for the actual unit are not available.

I. Compliance. A person subject to the requirements of:

- (1) Section C of this regulation shall demonstrate compliance with the emissions standards by following 40 CFR Part 60, Appendix A, as amended.
- (2) Sections D and E of this regulation shall demonstrate compliance by providing certification, on a form provided by the Department, from the manufacturer that the fuel-burning equipment is designed and tested to meet the applicable particulate matter and NO_x standards including a copy of test results with EPA approved test methods on fuel-burning equipment in the same model line as the new fuel-burning equipment.
- (3) The particulate matter emission standards of §C, D or E of this regulation who owns or operates biomass fuel-burning equipment subject to the requirements of 40 CFR 63 Subparts DDDDD and JJJJJ, as amended, shall:
 - (a) Demonstrate continuous compliance with the work practice and management practice standards as specified in 40 CFR 63; and
 - (b) Comply with the monitoring, installation, operation, and maintenance requirements as specified in 40 CFR 63.
- (4) The NO_x emission standards of §C of this regulation and who owns or operates biomass fuel-burning equipment subject to the requirements of 40 CFR 63 Subparts DDDDD and JJJJJ, as amended, shall meet the following requirements:
 - (a) For fuel-burning equipment with a heat-input capacity greater than or equal to 100 MMBtu/hr and less than 250 MMBtu/hr, demonstrate compliance with the NO_x emission standards of §C of this regulation in accordance with Regulation .08B(2) of this chapter; and
 - (b) For fuel-burning equipment with a heat-input capacity greater than or equal to 250 MMBtu/hr subject to the requirements of §C of this regulation shall demonstrate compliance with the NO_x emission standards of Regulation .12C of this chapter in accordance with Regulation .08B(2) of this chapter by installing, operating, calibrating, and maintaining a certified NO_x CEM in accordance with Regulation .08C(3) of this chapter.

J. Reporting and Record-Keeping Requirements.

- (1) A person subject to the particulate matter emission standards of §C, D or E of this regulation who owns or operates biomass fuel-burning equipment subject to the requirements of 40 CFR 63 Subparts DDDDD and JJJJJ, as amended, shall comply with the notification, reporting, and record-keeping requirements of 40 CFR 63.
- (2) A person subject to the NO_x emission standards of §C of this regulation and who owns or operates biomass fuel-burning equipment subject to the requirements of 40 CFR 63 Subparts DDDDD and JJJJJ, as amended, shall comply with the reporting requirements of Regulation .08K of this chapter.
- (3) A person subject to the to the emission standards of §C, D or E of this regulation who owns or operates biomass fuel-burning equipment not subject to the requirements of 40 CFR 63 Subparts DDDDD and JJJJJ shall:
 - (a) Keep records for each boiler that identify:
 - (i) The date of tune-up operations;
 - (ii) The procedures followed for tune-up;

- (iii) The manufacturer's specifications to which the boiler was tuned;
 - (iv) The occurrence and duration of each malfunction of the boiler, or of the associated air pollution control, or monitoring equipment; and
 - (v) Actions taken during periods of malfunction to minimize emissions including corrective actions to restore the malfunctioning boiler, air pollution control, or monitoring equipment to its normal or usual manner of operation; and
- (b) Maintain records on site for not less than 3 years, and make these records available to the Department upon request.

