§ 60.532 Standards for particulate matter.

Unaffected cookstoves, package stoves, and room-heaters that are listed and certified to the standards in subpart G of this part are not subject to the requirements of this section.

(1) An opening for emptying ash that is located near the bottom or the side of the appliance,

(2) A system that admits air primarily up and through the fuel bed,

(3) A grate or other similar device for shaking or disturbing the fuel bed or power-driven mechanical stoker,

(4) Installation instructions that state that the use of wood in the stove, except for coal ignition purposes, is prohibited by law, and

(5) The model is listed by a nationally recognized safety-testing laboratory for use of coal only, except for coal ignition purposes.

Commercial owner means any person who owns or controls a wood heater in the course of the manufacture, importation, distribution, or sale of the wood heater.

Cookstove means a wood-fired appliance that is designed primarily for cooking food and that has the following characteristics:

(1) An oven, with a volume of 0.028 cubic meters (1 cubic foot) or greater, and an oven rack,

(2) A device for measuring oven temperatures,

(3) A flame path that is routed around the oven,

(4) A shaker grate,

(5) An ash pan,

(6) An ash clean-out door below the oven, and

(7) The absence of a fan or heat channels to dissipate heat from the appliance.

Furnace means a solid fuel burning appliance that is designed to be located outside of ordinary living areas and that warms spaces other than the space where the appliance is located, by the distribution of air heated in the appliance through ducts. The appliance must be tested and listed as a furnace under accepted American or Canadian safety testing codes unless exempted from this provision by the Administrator. A manufacturer may request an exemption in writing from the Administrator by stating why the testing and listing requirement is not practicable and by demonstrating that his appliance is otherwise a furnace.

Manufactured means completed and ready for shipment (whether or not packaged).
particulate matter emission limits as determined by the test methods and procedures in §60.534:

(1) An affected facility equipped with a catalytic combustor shall not discharge into the atmosphere any gases which contain particulate matter in excess of a weighted average of 4.1 g/hr (0.009 lb/hr). Particulate emissions during any test run at any burn rate that is required to be used in the weighted average shall not exceed the value calculated for ‘‘C’’ (rounded to 2 significant figures) calculated using the following equation:

(i) At burn rates less than or equal to 2.82 kg/hr (6.2 lb/hr),

\[ C = K_1 BR + K_2 \]

Where:

\[ BR = \text{Burn rate in kg/hr (lb/hr)} \]
\[ K_1 = 3.55 \text{ g/kg (0.0055 lb/lb)} \]
\[ K_2 = 4.98 \text{ g/hr (0.0011 lb/hr)} \]

(ii) At burn rates greater than 2.82 kg/hr (6.2 lb/hr), C = 15 g/hr (0.033 lb/hr).

(2) An affected facility not equipped with a catalytic combustor shall not discharge into the atmosphere any gases which contain particulate matter in excess of a weighted average of 7.5 g/hr (0.017 lb/hr). Particulate emissions shall not exceed 15 g/hr (0.033 lb/hr) during any test run at a burn rate less than or equal to 1.5 kg/hr (3.3 lb/hr) that is required to be used in the weighted average and particulate emissions shall not exceed 18 g/hr (0.040 lb/hr) during any test run at a burn rate greater than 1.5 kg/hr (3.3 lb/hr) that is required to be used in the weighted average.


§ 60.533 Compliance and certification.

(a) For each model line, compliance with applicable emission limits may be determined based on testing of representative affected facilities within the model line.

(b) Any manufacturer of an affected facility may apply to the Administrator for a certificate of compliance for a model line. The application shall be in writing to: Stationary Source Compliance Division (EN–341), U.S. EPA, 1200 Pennsylvania Ave., NW., Washington, DC 20460. Attention: Wood Heater Program. The manufacturer must submit two complete copies of the application and attachments. The application must be signed by the manufacturer, or an authorized representative, and shall contain the following:

(1) The model name and/or design number,

(2) Two color photographs of the tested unit (or, for models being certified under §60.530(c), photographs of a representative unit), showing a front view and the other, a side view.

(3)(i) Engineering drawings and specifications of components that may affect emissions (including specifications for each component listed in paragraph (k) of this section). Manufacturers may use complete assembly or design drawings that have been prepared for other purposes, but should designate on the drawings the dimensions of each component listed in paragraph (k) of this section. Manufacturers shall identify tolerances of components of the tested unit listed in paragraph (k)(2) of this section that are different from those specified in that paragraph, and show that such tolerances may not reasonably be anticipated to cause wood heaters in the model line to exceed the applicable emission limits.

(ii) A statement whether the firebox or any firebox component (other than one listed in paragraph (k)(3) of this section) will be composed of different material from the material used for the firebox or firebox component in the wood heater on which certification testing was performed and a description of any such differences.

(iii) For applications to certify a model line of catalytic wood heaters to meet the emission limits in §60.532(b), a statement describing the manufacturer’s program to ensure consistency in the size of any gap in the catalyst bypass mechanism. The statement shall describe, in narrative form, the components of the system that affect the size of the gap, any specifications for critical dimensions of any such components, and the procedure the manufacturer will use to ensure consistency in the size of the catalyst bypass gap.

(4) All documentation pertaining to a valid certification test, including the