
ARTICLE 7

Solid Fuel Burning Device

ADOPTED: 17-Feb-2005

AMENDED: 28-Apr-2017

[Statutory Authority: RCW 70.94,141; RCW70.94.450-477]

PURPOSE: This Article establishes controls on solid fuel burning devices in Benton County in order to reduce particulate emissions and public exposure to Toxic Air Pollutants as listed in Chapter 173-460 WAC, in Benton County.

Section 7.01 Definitions

Definitions of all terms in this article, unless otherwise defined, are as defined in WAC 173-433-030.

- A. "Person" means an individual, firm, public or private corporation, association, partnership, political subdivision, municipality, or government agency.
- B. "Solid fuel burning device" (same as solid fuel heating device) means a device that burns wood, coal, or any other nongaseous or non-liquid fuels, and includes any device burning any solid fuel, except those prohibited by WAC 173-443-120. This also includes devices used for aesthetic or space-heating purposes in a private residence or commercial establishment, which has a heat input less than one (1) million BTU/hr.
- C. "Woodstove" (same as "wood heater") means an enclosed solid fuel burning device capable of and intended for residential space heating and domestic water heating that meets the following criteria contained in "40 CFR. 60 Subpart AAA - Standards of Performance for Residential Wood Heaters" as amended through July 1, 1990:
 1. An air-to-fuel ratio in the combustion chamber averaging less than 35.0, as determined by EPA Reference Method 28A;
 2. A useable firebox volume of less than twenty cubic feet;
 3. A minimum burn rate less than 5 kg/hr as determined by EPA Reference Method 28; and
 4. A maximum weight of 800 kg, excluding fixtures and devices that are normally sold separately, such as flue pipe, chimney, and masonry components not integral to the appliance.
 5. Any combination of parts, typically consisting of but not limited to: Doors, legs, flue pipe collars, brackets, bolts and other hardware, when manufactured for the purpose of being assembled, with or without additional owner supplied parts, into a woodstove, is considered a woodstove.
- D. "Fireplace" means: Any permanently installed masonry fireplace; or any factory-built metal solid fuel burning device designed to be used with an open combustion chamber and without features to control the air to fuel ratio.

Section 7.02 Solid Fuel Burning Device, Prohibitions

- A. Within Benton County, a person may not advertise to sell, offer to sell, sell, bargain, exchange, give away, or install woodstoves, factory-built fireplaces, or other solid fuel burning devices that do not meet the requirements of WAC 173-433-100.

- B. The Agency may declare first and second state air quality impairment in accordance with WAC 173-433-150. During those declarations, the use of any solid fuel burning device is restricted as per WAC 173-433-150.
1. Whenever the Agency has declared the first stage impaired air quality conditions, declared under RCW 70.94.715, residences and commercial establishments with an adequate source of heat other than a solid fuel burning device, may not operate any solid fuel burning device, unless the solid fuel burning device is:
 - a. A non-affected pellet stove; or
 - b. A woodstove certified and labeled by the EPA under "40 CFR. 60 Subpart AAA - Standards of Performance for Residential Wood Heaters" as amended through July 1, 1990; or
 - c. A woodstove meeting the "Oregon Department of Environmental Quality Phase 2" emissions standards contained in Subsections (2) and (3) of Section 340-21-115, and certified in accordance with "Oregon Administrative Rules, Chapter 340, Division 21 - Woodstove Certification" dated November 1984.
 2. Whenever the Agency has declared the second stage of impaired air quality for a geographical area a person in a residence or commercial establishment within that geographical area with an adequate source of heat other than a solid fuel burning device must not operate any solid fuel burning device.
- C. A person must not cause or allow emission of a smoke plume from any solid fuel burning device to exceed an average of twenty percent opacity for six consecutive minutes in any one-hour period. The provision does not apply during the starting of a new fire for a period not to exceed twenty minutes in any four-hour period.
- D. A person may not cause or allow any of the following materials to be burned in a solid fuel burning device, including fireplaces:
- Garbage;
 - Treated wood, defined as wood of any species that has been chemically impregnated, painted, or similarly modified to prevent weathering and deterioration;
 - Plastic and plastic products;
 - Rubber products;
 - Animal carcasses;
 - Asphaltic products;
 - Waste petroleum products;
 - Paints and chemicals; or
 - Any substance which normally emits dense smoke or obnoxious odors other than paper to start the fire, properly seasoned fuel wood, or coal with sulfur content less than one percent (1.0%) by weight burned in a coal-only heater.