



Fact Sheet for Proposed Regulations to Chapter 9: Solid Fuel Burning Devices

Concern: Fine particulate matter from residential wood heating is contributing to adverse health affects and a possible violation of the federal PM_{2.5} standard throughout Missoula County. Inside the Missoula Air Stagnation Zone, installation of solid fuel burning devices is limited to pellet stoves that emit 1 gram particulate per hour or less; but no permitting requirements or emission standards are in place for devices outside the Air Stagnation Zone.

Proposed Solutions and Regulatory Changes:

1. Require installation permits for solid fuel burning devices through out the county

- Installation permits are needed to set emission standards for devices

2. Set emissions standards for NEW INSTALLATIONS of solid fuel burning devices inside the county in areas outside the Missoula Air Stagnation Zone.

- For devices equipped with a catalytic converter require a weighted average emission rate of 4.1 grams per hour or less.
- For devices **not** equipped with a catalytic converter require a weighted average emission rate of 7.5 grams per hour or less.
- For Outdoor Wood Fired Heaters with EPA Phase 2 certification require average emissions of 7.5 grams per hour with maximum emission rate of 18 grams per hour.
- Emission rate test accepted include EPA testing method or alternative testing method approved by the department.
- Devices with heat input capacities between 250,000 and 1,000,000 BTU/hr must meet an emission rate of 0.9 grams/hr per 10,000 BTU heat input.

3. Allow sole-source permits outside the Air Stagnation Zone and inside Zone M

- Sole-source permits not required outside Zone M; people could still install solid fuel burning devices for sole-sources of heat outside Zone M without a sole-source permit.
- Can get a sole-source permit inside Zone M and outside the Air Stagnation Zone as long as the device was a sole-source of heat prior to (specify a date) or the property is not served by an electric utility.

4. Expand woodstove curtailment and enforcement areas

- Expand Stage I Alert enforcement and opacity limits from High Impact Zone to Air Stagnation Zone.
- Expand Stage II Warning enforcement and opacity limits from High Impact Zone to Impact Zone M.