

Suggested Amendments to Legislative File No 11080 (v2) creating new Section 7.55 to prohibit outdoor wood boilers

Drafted by Sherrie Gruder for consideration by the Sustainable Design & Energy Committee
September 23, 2008

(2) No person shall install, use, or maintain any outdoor wood boiler within the City of Madison (add) unless it is a high efficiency EPA orange tag wood boiler system or pellet system in an automated fuel delivery system, and meets both EPA and State emissions standards.

(3) Pre-existing Outdoor Wood Boilers.

All pre-existing outdoor wood boilers shall be banned from operation as of April 2009.

If this is not accepted, the following edits and additions to the ordinance are offered:

(3)b. add: newspaper, corrugated cardboard, paperboard, waste paper or any paper or plastic product in accordance with the Madison recycling ordinance and WI Recycling Law

(3) d. This is not a measurable descriptor and is therefore, meaningless. Replace with language taken from section 9.4 of *the DNR Model Ordinance For Outdoor Burning, Open Burning And Burning Of Refuse: A Guide For Wisconsin Counties, Cities, Villages And Towns, 2004* And from NESCAUM, 2007 - a 501(c)(3) nonprofit association of air quality agencies in the Northeast that provides scientific, technical, analytical, and policy support to the air quality and climate programs of the eight Northeast states.

Model Rule

For agencies that wish only to allow the sale of cleaner units in their jurisdictions, NESCAUM, in conjunction with EPA and member states, developed a model rule to promote common standards across the states with additional provisions that can be tailored to address specific local situations. The model rule establishes emission limits and labeling requirements for new units and contains the following components for both new and existing outdoor wood-fired heaters.

Specifically, the model rule:

- Recommends a Phase I emission limit of 0.44 lb/mmBtu (heat input) effective 3/31/2008.
- Recommends a Phase II emission limit of 0.32 lb/mmBtu (heat output) with no test run to exceed 15 g/hr for residential units and 20 g/hr for commercial units effective 3/31/2010.
- Recommends setback requirements 500 feet from property lines and requires stack heights five feet over the roofline of nearby structures and residences for units that do not meet the Phase II emission limit.
- Recommends distributor and buyer notification requirements.

- Recommends common requirements for unit testing, certification, and labeling.

or

The outdoor wood-fired furnace shall have a chimney that extends at least 15 feet above the ground surface. If there are any residences within 500 feet, the chimney shall also extend five feet above the height of the roofs of all such residences. The Fire Chief may approve a lesser height on a case-by-case basis if necessary to comply with manufacturer's recommendations and if the smoke from the lower chimney height does not create a nuisance for neighbors.

(6) Add *High efficiency, third party certified wood boilers* for utility, municipal, ...