



WASHINGTON COUNTY
DEPARTMENT OF PERMITS & INSPECTIONS

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Building
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Mechanical

MEMO

From: Dan DiVito

Date: August 18, 2009

Subject: Wood Burning Boilers

Effective immediately, wood burning boilers that meet the requirements of COMAR 26.11.09.11 will be allowed in the County. The units must bear a permanent label indicating that they meet the particulate emission standard of .6 pounds per million BTU input. Effective April 1, 2010 that standard will change to .32 pounds per million BTU. I have attached a copy of the regulation.



**CODE OF MARYLAND REGULATIONS
TITLE 26 DEPARTMENT OF THE ENVIRONMENT
SUBTITLE 11 AIR QUALITY**

**CHAPTER 09 CONTROL OF FUEL-BURNING EQUIPMENT, STATIONARY INTERNAL COMBUSTION
ENGINES, AND CERTAIN FUEL-BURNING INSTALLATIONS**

Complete through Maryland Register Vol. 36, Issue 16, dated July 31, 2009.

.11 Control of Particulate Matter from Small Wood Boilers.

A. Applicability.

(1) Except as provided in this regulation, the requirements of this regulation apply to a person who sells, offers for sale, supplies, distributes, manufactures, installs, operates, or causes to be operated a small wood boiler for use in the State.

(2) The provisions of this regulation do not apply to a person who sells, offers for sale, installs, supplies, distributes, or manufactures for use a small wood boiler if the person demonstrates that the:

- (a) Small wood boiler is intended for shipment and use outside of the State; and
- (b) Person has taken reasonable prudent precautions to assure that the small wood boiler is not distributed to or within the State.

B. Incorporation by Reference.

(1) In this regulation, the following documents are incorporated by reference.

(2) Documents Incorporated.

(a) U.S. EPA Test Method 28 OWHH for Measurement of Particulate Emissions and Heating Efficiency of Outdoor Wood-Fired Hydronic Heating Appliances, revised March 16, 2007.

(b) ASTM Designation: ASTM E 2618-08 Standard Test Method for Measurement of Particulate Emissions and Heating Efficiency of Outdoor Solid Fuel-Fired Hydronic Heating Appliances, approved July 1, 2008.

MD Envir. 26.11.09.11

(c) 40 CFR Part 60, Appendix A, Test Methods 1-5 and [40 CFR Part 51, Appendix M](#), Test Method 202.

C. Requirements for the Sale, Supply, Distribution, and Manufacture of Small Wood Boilers for use in the State.

(1) Emission Standards. A person may not sell, offer for sale, supply, install, distribute, or manufacture for use in the State, a small wood boiler unless the following are met:

(a) A particulate matter emissions standard of 0.6 pounds per million Btu heat input during the period commencing April 1, 2009 through March 31, 2010; and

(b) A particulate matter emissions standard of 0.32 pounds per million Btu heat output commencing April 1, 2010.

(2) Labeling Requirements.

(a) After April 1, 2009, a person may not sell, offer for sale, supply, install, distribute, or manufacture for use in the State, a small wood boiler unless it has a permanent label that displays the following information:

(i) Month and year of manufacture;

(ii) Model number or name;

(iii) Serial number;

(iv) Date of certification;

(v) Thermal output rating in million Btu per hour; and

(vi) Results of emissions standard testing for particulate matter in pounds per million Btu.

(b) After April 1, 2009, a person may not sell, offer for sale, supply, install, distribute, or manufacture for use in the State, a small wood boiler that does not have a permanent label that:

(i) Is permanently affixed in a readily visible or accessible location;

(ii) Is at least 3 1/2 inches long and 3 inches wide;

(iii) Is made of a material expected to last the lifetime of the unit; and

MD Envir. 26.11.09.11

(iv) Displays information specified in §C(2)(a)(i)-(vi) of this regulation in a manner that will remain legible for the lifetime of the unit.

(3) Certification.

(a) A person may not sell, offer for sale, supply, install, distribute, or manufacture a small wood boiler for use in the State, unless the Department has issued a certification to the manufacturer that the small wood boiler, or the wood boiler model line to which it belongs, complies with the particulate matter emissions standards specified in §C(1) of this regulation.

(b) In order to obtain certification of a small wood boiler, the manufacturer of the wood boiler shall conduct an emissions test and provide the results in writing to the Department.

(c) The test for certification shall be performed in accordance with the test methods listed under §B of this regulation or any alternative method approved by the Department.

(d) Unless revoked by the Department, a certification issued remains valid for 5 years from the date of issuance.

D. Requirements and Standards for Owners and Operators.

(1) A person owning or operating a small wood boiler may not operate or cause to be operated in the State a small wood boiler that does not comply with the emission standards in §C(1) of this regulation.

(2) A person who owns or operates a small wood boiler shall use only the following as fuel when operating a small wood boiler in the State:

(a) Clean wood;

(b) Wood pellets made from clean wood; or

(c) Other fuels approved by the Department.

(3) A person who owns or operates a small wood boiler may not burn or use for fuel any of the following items when operating a small wood boiler in the State:

(a) Any wood that does not meet the definition of clean wood;

(b) Garbage;

(c) Tires;

(d) Lawn clippings or yard waste;

MD Envir. 26.11.09.11

- (e) Materials containing plastic;
- (f) Materials containing rubber;
- (g) Waste petroleum products;
- (h) Paints or paint thinners;
- (i) Chemicals;
- (j) Glossy or colored paper;
- (k) Construction or demolition debris;
- (l) Plywood;
- (m) Particleboard;
- (n) Saltwater driftwood or other previously salt-water saturated materials;
- (o) Manure;
- (p) Animal carcasses;
- (q) Asphalt products;
- (r) Materials containing asbestos; and
- (s) Materials containing lead, mercury, or other heavy or toxic metals.

(4) Home heating oil, propane, or natural gas may be used only as a starter or supplemental fuels for dual-fired small wood boilers.

E. Enforcement. Persons subject to the provisions of this chapter shall comply with:

- (1) All applicable State, county and local laws; and
- (2) All operating instructions provided by the manufacturer.

<General Materials (GM) - References, Annotations, or Tables>

COMAR 26.11.09.11, MD ADC 26.11.09.11

MD ADC 26.11.09.11
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