

# SOLID FUEL-FIRED WATER-HEATING APPLIANCE

(Space heating units not constructed to ASME)

## APPLICATION:

The intent of this brochure is to educate and provide direction to Wisconsin owners, operators, installing contractors and dealers about the installation and operation of solid fuel-fired water-heating appliances that are not constructed to the American Society of Mechanical Engineers - ASME code. Compliance per section SPS 341.49 is required in both commercial and residential applications. Registration-SPS 41.41(4) and Inspection-SPS 341.16(3) is required for appliances installed in any commercial application. Prior to installation in one- or 2- family dwellings, the owner or installer shall contact local building inspection authorities for procedures and requirements in their area.

Commercial Inspection requirements can be found within the Wisconsin Administrative Code SPS 341: Boiler and Pressure Vessels.

## DEFINITIONS:

APPROVED – Means acceptable to the Department.

CERTIFIED INSPECTOR – Person who holds a valid credential issued by the department under SPS 305 as a “certified” boiler-pressure vessel or UDC inspector.

DEPARTMENT – Means the department of Safety and Professional Services (DSPS).

DWELLING – Means any building that contains one- or 2-family dwelling units used as a home/residence per s.101.61,(1) stats.

OWNER or USER – Means any person, firm or corporation legally responsible for the safe operation of a boiler or appliance.

TESTING LABORATORIES – Examples of acceptable testing laboratories include but not limited to UL and Factory Mutual.

SOLID FUEL-FIRED WATER-HEATING APPLIANCE – Solid fuel equipment used for space heating and that is not constructed and installed in accordance with the ASME code.

## GENERAL REQUIREMENTS

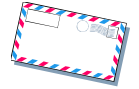
### 1. REGISTRATION

- a. All solid fuel fired water-heating appliances installed in “commercial” applications shall be registered by the installer before operation on form SBD-6314 and shall be submitted to the department. Do not submit form SBD-6314 for appliances serving one- or 2-family dwellings.

- b. For solid fuel-fired water-heating appliances serving one- or 2-family dwellings per SPS 323.04(4), an owner/installer shall contact their area building inspection office for permitting and inspection per local ordinances and SPS 341.16(1)(b)(2).

Submit SBD-6314 Forms to:

Department of Safety and Professional Services  
Safety & Buildings Division  
PO Box 7302  
Madison, WI 53707-7302



2. DESIGN-Solid fuel-fired water-heating appliances shall:
  - a. Have a self-contained weather proofing or other weather protection acceptable to the department.
  - b. Be listed by a nationally recognized testing laboratory acceptable to the department.
  - c. Be designed, constructed and operated at atmospheric pressure. Be vented to prevent a positive pressure condition on the fluid.
3. INSTALLATION-Solid fuel-fired water-heating appliances must be:
  - a. Located away from other structures in accordance with the manufacturer's recommendations.
  - b. Enclosed by fencing or other barriers to prevent access or tampering by unauthorized persons.
  - c. Provided with a fuel feed system designed, accepted and approved by the original manufacturer.
  - d. Provided with a means to prevent freezing of the water supply and return lines.
  - e. Installed with piping materials and fittings suitable for temperatures of the distribution system.

4. INSPECTION – of installation is required.

- a. Solid fuel-fired water-heating appliances shall be inspected by the department or, for one- or 2-family dwellings, in accordance with local ordinance for compliance with SPS 341.49 before the appliance is placed in operation.
- b. Fees for inspection in commercial applications shall be in accordance with SPS 302.04.

5. REPAIRS-must be made in accordance with the manufacturer’s recommendations.

**TRY THE SAFETY AND PROFESSIONAL SERVICES WEBSITE:**



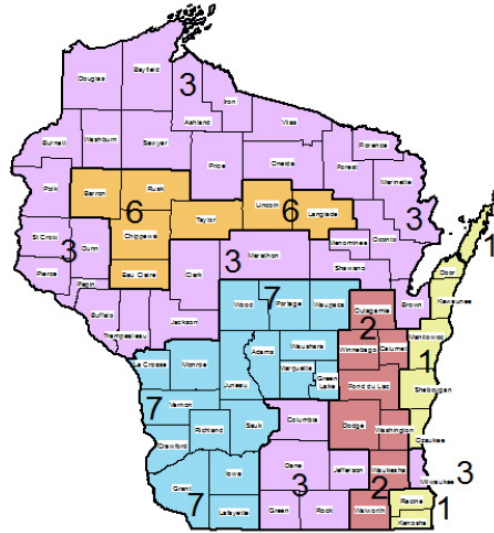
<http://www.dsps.wi.gov>

Scroll down the left column to click on Safety & Buildings Division to obtain the following for view or print:

- Division Forms, “SBD-6314”
- Boiler Code, “Chapter SPS 341”
- UDC Code, “Chs. SPS 320-325”
- Specific Programs, “UDC” / “Boilers”
- Staff Contact Information
- Individual Credential / License Status
- Inspector District Maps



**COMMERCIAL INSPECTION DISTRICTS**



**District 1**

David Homan  
262-424-1471

**District 2**

Terence Waldbillig  
414-303-8575

**District 3**

Damarc-S  
866-361-4321

**District 6**

Duane Leetch  
715-559-8817

**District 7**

Dean Yourchuck  
608-235-0607

\* For one- or 2-family dwelling installation, contact local Building Inspection office / SPS 323.04(4) & 341.16(1) b 2.



**Waukesha Office**

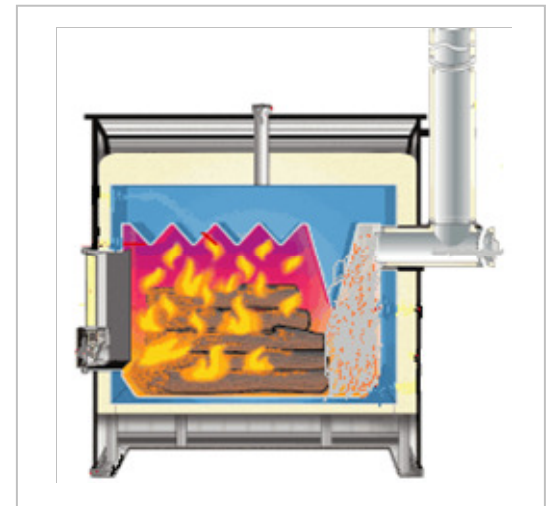
Mike Verhagen  
262-548-8617

Rick Merkle, Section Chief  
262-521-5065



**SOLID FUEL-FIRED WATER-HEATING APPLIANCES**

Safety & Buildings Division  
201 W Washington Avenue, 3<sup>rd</sup> Floor  
Madison, WI 53703



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