

## RESIDENTIAL WATER HEATERS

- This handout is intended only as a guide. It shall not be considered a complete set of requirements.
- Materials and installation must comply with the current Minnesota State Building Code, Minnesota State Plumbing Code, Minnesota Mechanical & Fuel and Gas Code, and the manufacturers' installation specifications for each product.
- Residential plumbing permits for water heaters are issued over the counter at the municipality office.
- When an **emergency** replacement of a water heater is required on a weekend or after office hours, the permit must be obtained the next business day.
- The water heater location must provide accessibility for repair, replacement, and inspection.

### PERMIT CARD (throughout the project) shall be:

**POSTED** prior to start of work - **VISIBLE** from street or driveway - **ACCESSIBLE** to the inspector.

### INSPECTION REQUIREMENTS:

Inspections **MUST** be scheduled during office hours **AT LEAST** one business day prior to inspection. If a specific date and time is required, additional notice may be needed. Failure to cancel a scheduled inspection may result in a reinspection fee.

- **Office Hours:** Monday - Friday • 8:00 a.m. - 4:30 p.m.
- **Phone:** (952) 442-7520 or (888) 446-1801

#### Inspections:

- **Someone 18 years or older must be present at the time of the inspection.**
- **See Project Checklist in this handout for additional requirements.**
- **Gas Line Air Test** (if new gas line is installed): Test pressure shall be no less than one and one-half times the proposed maximum working pressure, but no less than 25 psi for a minimum of 10 minutes. Test pressure shall be within the middle 50 percent of the test gauge pressure range.
- **Final:** After the installation is complete. A Certification of Final Testing on Gas Line and Fittings is required at the final inspection (see attached). Test shall be by means of a manometer, an approved combustible gas detector, a noncorrosive leak detection fluid, or an equivalent nonflammable solution.

**NOTICE:** Construction or work for which a permit is required shall be subject to inspection by the Building Official, and such **construction or work shall remain accessible and exposed for inspection purposes until approved**. It is the responsibility of the permit applicant to be in attendance on site and provide access to the Building Official for all required inspections. If work is concealed and/or work is not complete at time of inspection, an additional inspection is required and a **reinspection fee may apply**.

**Note:** The State of Minnesota requires all residential building contractors, remodelers, roofers, plumbers, and electricians to obtain a state license, unless they qualify for a specific exemption. Any person claiming an exemption must provide a copy of a Certificate of Exemption from the Department of Labor & Industry to the Municipality before a permit will be issued.

**Note:** To determine contractor requirements, or to check the licensing status of a contractor, please call the Minnesota Department of Labor & Industry at 651-284-5065 or toll free 1-800-342-5354.

**Note:** For specific code requirements, contact the Building Inspection Department at 952-442-7520 or 888-446-1801 or e-mail: [infoMN@safebuilt.com](mailto:infoMN@safebuilt.com).

### PROJECT CHECKLIST:

The following is a guideline to assist in compliance with the requirements of the MN State Building Code.

- The home address must be visible from the street.
- The temperature and pressure relief valve must be piped to within 18 inches of the floor or a safe place of disposal. The piping must be no smaller than the valve size.
- A gas line for the water heater must have its own full open-type shut off valve located within the same room and no further than 6 feet from the appliance.
- All venting must meet manufacturers' installation specifications
- Water heaters being replaced with a larger size shall be provided with the correct size of combustion, ventilation, and dilution air in accordance with the MN State Mechanical and Fuel Gas Code.
- Gas water heaters may be no closer than 18 inches from a garage floor.
- Gas water heaters may not be installed in bedrooms, bathrooms, or closets.

# **Certification of Final Testing on Gas Line and Fittings**

(This form must be completed and provided to the inspector at final inspection of all newly installed gas lines and/or fittings.)

PERMIT NUMBER: \_\_\_\_\_ Date of Work Completion: \_\_\_\_\_

Site Address: \_\_\_\_\_

Municipality: \_\_\_\_\_

Company/Installer Name: \_\_\_\_\_

## **Describe the Scope of Work Performed**

Be specific – include work performed, which new components were installed (i.e. gas line, fittings, shut-off valves), and the type of material (i.e. black iron, copper, corrugated stainless steel, plastic). Attach additional sheet(s) if needed:


Type of Approved Test Performed: \_\_\_\_\_

I certify that on \_\_\_\_/\_\_\_\_/20\_\_\_\_<sub>(Date)</sub> the above-stated approved test was completed in accordance with Section 406 of the MN Mechanical and Fuel Gas Code, that all work was completed prior to the test, and that no leaks were detected upon completion of the test.

\_\_\_\_\_  
(Signature of Certifying Individual)

\_\_\_\_\_  
(Certification Date)

\_\_\_\_\_  
(Printed Name)