

FORM 1.3a



VILLAGE OF NORTHBROOK
Development & Planning Services
1225 Cedar Lane
Northbrook, Illinois 60062
847 664-4050 FAX: 847 272-5068
www.northbrook.il.us

Permit #: _____

Fee: _____

Water Heater Replacement

*****INSPECTION IS REQUIRED TO BE SCHEDULED AT TIME OF PERMIT ISSUANCE*****

Property Address _____

Owner _____

E-Mail Address _____ Phone _____ Fax _____

Plumbing Contractor* _____

E-Mail Address _____ Phone _____ Fax _____

Primary Contact * _____

E-Mail Address _____ Phone _____ Fax _____

* All plan review correspondence shall be sent to the primary contact via email. The primary contact will also be notified once the permit has been approved and is ready for issuance (pick-up).

Applicant Signature

Name (print) Signature Date

Water Heater Type (check box): Electric Storage Tank Gas Storage Tank Tankless

SUBMITTAL REQUIREMENTS

- Completed application.
- Plumbing Contractor must have a current license issued by the State of Illinois on file with the Village.
- Stamped or sealed letter of intent shall be submitted from Licensed Plumbing Contractor.

INSPECTION REQUIREMENTS

- Once the installation is complete, a final inspection is to be scheduled (Note if an electric water heater was installed the main electric panel needs to be accessible with panel cover removed for the inspection.)
- Plumbing contractor or owner must be present at time of inspection.
- Please call the Building & Development Department at **847-664-4050** to schedule an inspection. You will need to provide the address and permit number to schedule the inspection.

EMERGENCY SITUATIONS/PERMIT REQUIREMENT

This work may be started without a permit in order to restore your hot water; however you must apply for the permit within one business day. Failure to apply for permit will result in a fine.

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GENERAL INSTALLATION REQUIREMENTS

- The water heater shall be installed in accordance with manufacturers' specifications and current codes.
- Manufacturers' installation instruction manual shall be on site.
- A full port shut-off valve and unions must be located within 5 feet of the cold water inlet connection to the water heater.
- Water connections to the water heater must be made with dielectric unions if dissimilar metals are used, or with approved brass converter fittings and unions within 5 feet of the inlet connection.
- All soldering must be done with lead free solder.
- All copper pipes shall be type "L" rigid pipe, no flexible piping connectors are allowed.
- A relief valve shall be full size and extend to within 6 inches above the floor and discharge to an approved location.
- Heat traps shall be installed on all common shared water heaters.
- Water heaters installed in a closet or other confined spaces shall provide combustion make up air as required by the manufacturer's installation instructions and the International Mechanical & Fuel Gas Codes.
- Masonry chimney flue liners shall be installed if required by the International Mechanical Code.
- Sidewall vents must be a minimum of 36" above finished grade to the outlet of the vent and comply with minimum and maximum piping lengths and outside termination location clearances as specified by the manufacture specifications.
- Vent connectors must be secure and maintain proper clearances from combustibles.
- If an electric water heater is installed it must conform to the currently enforced National Electrical Code (NEC).
- Proper clearances as specified by the manufacturer must be provided for servicing and combustible materials.
- Thermal expansion tanks and vacuum relief valves shall be installed when required by code.
- Gas pipe sizing to Tankless water heater installations shall comply with manufacturers' installation specifications and the International Fuel Gas Code.
- Multiple tank type water heater installations where two or more water heaters feed a common hot water distribution system shall be installed using parallel piping and manufacturers' installation instructions.