

EUREKA TOWNSHIP

PLUMBING PERMIT

APPLICATION INSTRUCTIONS

Under Minnesota State Building Code, "An owner or authorized agent who intends to ...erect, install, enlarge, alter, repair, remove, convert or replace any gas, mechanical, electrical, plumbing system or other equipment, the installation of which is regulated by the code; or cause any such work to be done, shall first make application to the building official and obtain the required permit."

- If equipment replacements and repairs must be performed in an emergency situation, the permit application shall be submitted to the building official on the next business day.
- Permits are not required for: the clearing of stoppages, provided the work does not involve or require the replacement or rearrangement of valves, pipes or fixtures.

General Requirements:

- Submit completed Plumbing Permit form.
- Application fee as set forth in Eureka Township Ordinance 7.
- Proof of ownership: Parcel ID will be verified by the Town Clerk; conflicts must be resolved with a proper deed.
- Receive Permit Card from the Town Clerk
 - Must be posted prior to the start of any work.
 - Must be visible from the street or driveway.
 - Must be accessible to the building inspector.
- Schedule required final inspection with the building inspector
 - Must provide the manufacturer's installation and specification manual at time of inspection.

Note: The Inspector may issue an order to remove materials to prove compliance with the Minnesota State Building Code and manufacturer's installation requirements.

If a re-inspection is required to verify compliance with the code, a re-inspection fee will apply and the permit holders or their representative must meet the inspector at the site to provide access.

- All materials and the installation of all materials must comply with the Minnesota State Plumbing Code and the manufacturer's installation specifications for each period.

1. WATER HEATER

- Must be located in an area that provides accessibility for repair, replacement and inspections.
- 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 shut off valve located within the same room and no further than 6 feet from the appliance.
- Water heaters being replaced with a larger size shall be provide with the correct size of combustion, ventilation and dilution air in accordance with the State Mechanical Code International Fuel Gas Code.

2. WATER SOFTENER

- Drain and overflow tubing leading from the equipment can not be directly connected to the waste line. An air gap of at least 2 times the diameter of the drain/overflow tubing, but not less than 1 ½ inches, is required between the drain/overflow tubing and the waste line receptor. If flexible tubing is used, it must be secured in some manner to prevent it from being accidentally moved.
- Installation shall include a bypass valve so the equipment may be serviced or removed without completely shutting off the water service.
- The inlet and outlet sizes can not be smaller than the pipe size it is being connected to.
- The water softener must be located in an area that provides accessibility or repair, replacement and inspections.

3. VACUUM BREAKERS FOR LAWN IRRIGATION SYSTEMS:

A. Pressure Vacuum Breaker (PVB)

- Must be installed at least 12 inches above the highest sprinkler head or discharge outlet.
- No possibility of back pressure permitted.
- Continuous line pressure permitted.
- If a hose bib is installed ahead of the PVB and used for the purpose of drainage, a hose connection vacuum breaker must be installed.
- PVB must be installed in a vertical position

B. Atmospheric Vacuum Breaker (AVB)

- Must be installed at least 12 inches above the highest head or discharge outlet.
- There shall be no control valves downstream from the backflow.
- No possibility of back pressure permitted.
- No more than 8 hours of continuous line pressure permitted.
- One AVB required for each irrigation zone.
- Some AVB have an electronic solenoid valve built into the assembly. The A.S.S.E. 1001 Number must be factory marked on the assembly.

C. Reduced Pressure Zone Backflow (RPZ)

- Must be installed and tested per Minnesota Plumbing Code.
- Must be tested annually by a licensed backflow tester and rebuilt every 5 years by a licensed plumber with a backflow testing license. A separate permit is required for the 5-year rebuild.
- Back pressure is permitted.
- Any degree of hazard is permitted.
- Continuous line pressure is permitted.