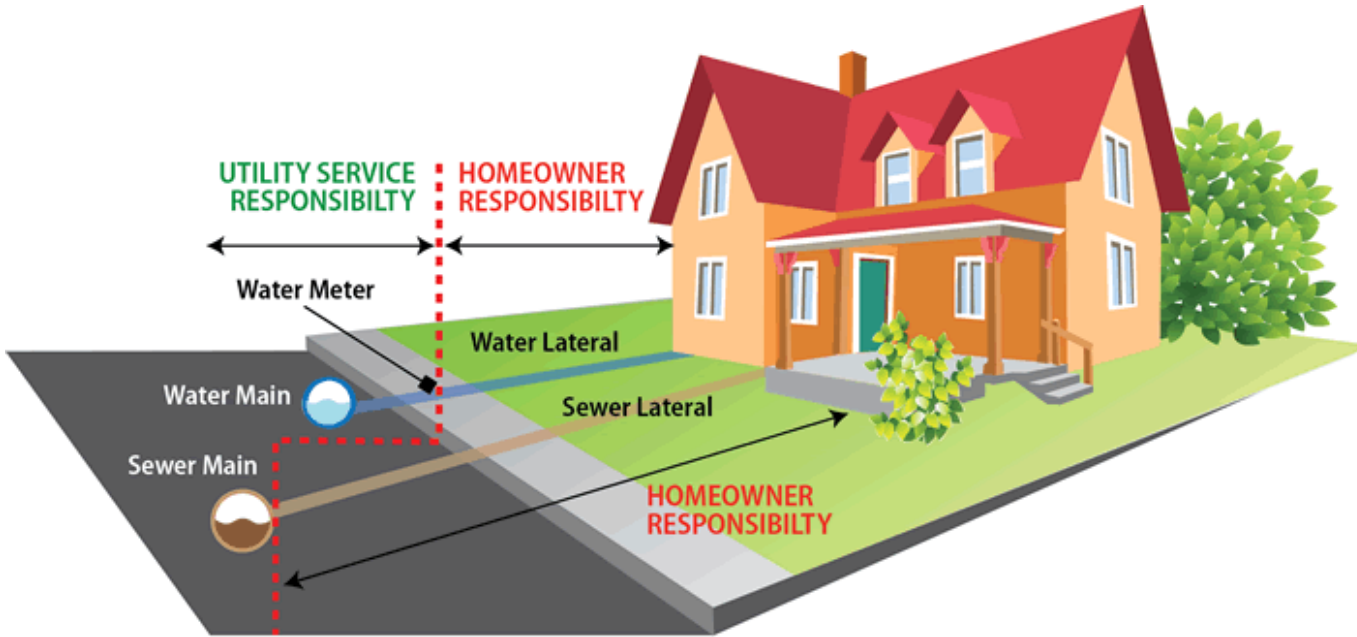


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Per Tremontion City policy the customers water service lateral, from the home or facility to the City's water meter, located in the park strip area or at property line or other specified locations, is the responsibility of the property owner. Therefore the maintenance, repair and location of water service laterals are the responsibility of the property owner.



What is a Cross-Connection ?

- A cross connection is any arrangements of pipes, fixtures, or fittings that directly or indirectly connects a non potable water source (hazardous pollutants) to the drinking water.
- **Example: A garden hose connected to an outside faucet attached to a garden sprayer.**
- **Example: A hose connected to a slop sink.**
- **Example: A Garden hose left in your swimming pool.**

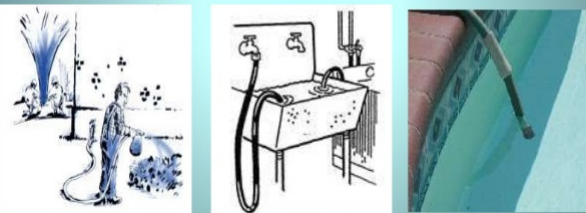
How does a backflow occur ?

- Two methods
- A) **BACKPRESSURE** - This can occur when the pressure inside a bldg exceeds the pressure entering a bldg.
- **Example of Backpressure: Booster Pumps or Boiler Systems.**
- B) **BACK-SIPHONAGE** - This can occur in the event the pressure in the supply piping entering the bldg drops suddenly and a vacuum-like suction begins.
- **Example of Back-Siphonage: Water Main Breaks or the use of fire hydrants**

WHEN A DROP IN WATER PRESSURE TAKES PLACE, CHEMICALS OR DIRTY WATER CAN BE SUCKED BACKWARDS INTO YOUR HOUSEHOLD PLUMBING SYSTEM.

EXAMPLE

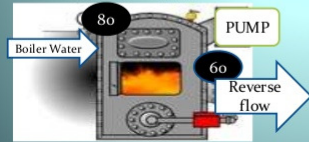
GARDEN HOSE CONNECTED TO A HOME FERTILIZER SPRAYER, A HOSE CONNECTED TO A SLOP SINK AND A GARDEN HOSE USED TO FILL A SWIMMING POOL



Both examples will allow polluted and/or contaminated water back into the internal plumbing of a home or business and also out to the public drinking water.

EXAMPLE OF BACKPRESSURE

- A boiler using a circulating pump with pressure of 80 psi, and the street pressure coming in at 60 psi, - Result - 80 psi at the boiler over-exceeds the 60 street pressure which would then push the boiler water backwards.



EXAMPLE OF BACK SIPHONAGE

- With a water main break, water in the system would drop suddenly, triggering a vacuum-like effect causing water in your building to flow backwards.



To help protect the City's drinking water system from those potential hazards we have opted to install a "Dual Check Valve Device" at your water meter, these have been in place on new service connection since 1995 and are installed when old service connection need to be repaired or replaced.

Because of these Dual Check Valves and other devices such as Pressure Reducing Valves that are required by the Plumbing Code all homes should use some form of "Thermal Expansion Protection Device", this is to protect your water Heater from damage, due to high trapped pressures, which could cause harm to you or your family.

Secondary Water Sources

- ♦ Sub Surfaces Wells
- ♦ Bear River Canal Water
- ♦ Other Water Sources

Federal & State Law and Tremonton City Code, makes it illegal to interconnect Secondary Water Sources with the Tremonton City Culinary Water System.

Interconnection between the two water systems are not allowed in any form or configuration.

If such connection are discovered the termination and disconnection of the violators culinary water service will happen.

This requirement is not only to protect the integrity of the Tremonton City culinary water system, but meant to protect you and your family, as our customer, for if these connections exist, your family will be the first ones to get the possible contaminated water.

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