

Clean Water



It is every property owner's responsibility to ensure compliance with Bylaw 61-2020. Compliance is mandatory.



Town of Shelburne Backflow Prevention Program



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What is a Cross Connection?

A cross connection is between a potable water system and any source of pollution or contamination.

Types of Cross Connections:

- ⇒ Auxiliary water supplies
- ⇒ Boilers (such as steam or hydronic)
- ⇒ Cooling towers and chillers
- ⇒ Fire sprinkler systems
- ⇒ Industrial fluid systems and compressors
- ⇒ Laboratory equipment (medical or industrial)
- ⇒ Lawn irrigations or sprinkler systems
- ⇒ Processing tanks
- ⇒ Solar heating systems
- ⇒ Processing tanks
- ⇒ Solar heating systems
- ⇒ Standpipe systems
- ⇒ Swimming pools
- ⇒ Wash basins and service sinks
- ⇒ Water re-circulation systems

Examples above have cross connections that include a connection to the drinking water supply.

Backflow is a problem when the normal water flows to a resident's connection begins to flow in the opposite direction back into the municipal water supply.

This will allow contaminants, such as chemicals, pathogens, and non potable water, back into municipal water supply.

Backflow Prevention

Bylaw 61-2020 requires all Industrial, Commercial, Institutional, and Multi-Residential property owners to check the cross connections in the plumbing system to ensure the presence of a backflow prevention device and that it is working sufficiently.

A Cross Connection Site Survey will be conducted by Town Staff and will be required every five (5) years or if there has been any changes to the plumbing system.

Back pressure may occur if there is greater water pressure than the municipal supply. A non-potable supply might operate at a higher pressure such as a boiler system or a car wash.

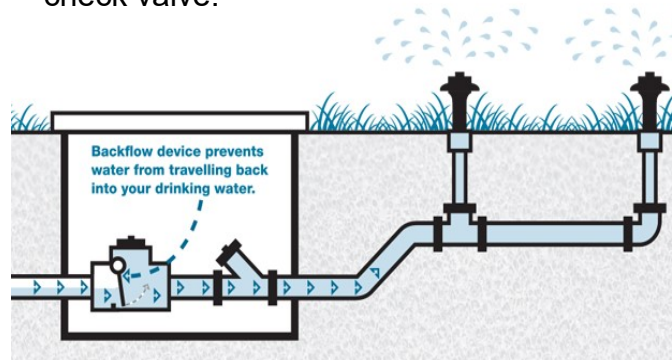
Examples of acceptable Backflow Preventer devices are:

- *Pressure Vacuum Breaker
- *Reduced Pressure Assembly
- *Double Check Valve Assembly

CSA Standards will provide recommendations for type of preventer required based upon hazard rating.

Non-compliant devices are:

Hose connection vacuum breaker or Dual check valve.



Program Requirements

Annual Compliance is mandatory

The Commercial, Industrial or Multi Residential property owner is responsible for compliance with Town of Shelburne's Back Flow Prevention Program. All related expenses will be borne by the property owner.

Please note: Residential owners will not be affected by this program unless they are zoned as mixed use.

Property owners will receive a request letter from the Town to complete a Backflow Prevention test by a qualified person each year in January. All completed tests will be required to be completed by April 15th of each year.

Backflow tests must be conducted by a qualified person annually. Qualified contractors are contractors who have registered with the Town, and have provided the required licenses and certifications, required under CSA B64.10-11 to perform work to a backflow prevention device. See authorized function list criteria Bylaw 61-2020 Appendix A

A registry list of acceptable contractors is available on Town's website www.shelburne.ca

Or by contacting Town hall 519-925-2600.