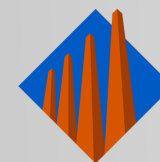




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## PROTECTING OUR DRINKING WATER

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## CROSS CONNECTION CONTROL PROGRAM

### Common Cross Connections

Cross Connections can be made or installed in piping systems in any type of facility or building. Some of the more common cross connections include:

- Irrigation Systems
- Heating & Cooling Systems
- Fire Sprinkler Systems
- Garden Hose Connections
- Soap/ Detergent Dispensers
- Industrial Processes or Equipment
- Food & Beverage Processing
- Auxiliary Water Supplies
- Wash and Sterilization Equipment
- Medical Labs and Equipment
- Car Washes & Automotive Equipment

### Questions?



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## What is Cross Connection?

A cross connection is when any connection between drinking water and potential sources of contaminated water. This can happen if a garden hose is left in a bucket of dirty water or sink with a faucet submerged under water.

## What is Backflow?

Backflow occurs when there is a fluctuation of pressure causing contaminated water to enter the potable water distribution system. There are two methods that can cause backflow.

## What is Back siphoning?

Back siphoning is when low pressure in the water supply system pulls water backwards. This could occur due to a water main break, or when fire fighters are putting out a fire. Backpressure is when higher pressure in a private plumbing system pushes water back into the water supply system. This could occur due to boilers, or when a pump is used to increase pressure inside the dwelling.

## How can cross connections be controlled?

Protection from Cross Connections can be simple. The best method to eliminate backflow is to use an air gap. An air gap is a space between the water source and anything that could contaminate it. Another method is to install a backflow preventer, a device that only lets water flow in one direction.

There are different types of backflow preventers, and they must be installed based on how risky the cross connection is, as well as the type of business or building.



## Cross Connection Control Program

The Cross Connection Control Program is aimed at protecting the potable water system by educating the water users. Many people don't realize that cross connection exists in their homes or businesses. The occasional causes of back pressure and back siphoning are unavoidable. Thus, We all share a responsibility to do our part to keep our drinking water safe.

## What can you do?

- Be proactive to help identify and protect cross connections that exist at or on your property.
- Some backflow preventers require annual testing and inspection to ensure it is they are reliable and functioning properly where more hazardous cross connections exist. Typically, these types of backflow preventers are in commercial properties. Ask your local plumber for more information or contact the City of Lloydminster.