

What is Cross Connection Control Program?

Cross-connections within the customer's plumbing system or within the utility's distribution system can cause contamination of our water system. A cross-connection is any actual or potential physical connection between a potable water (drinking water) system and any source of non-potable liquid, solid, or gas that could contaminate the potable water supply by backflow. Backflow is an undesirable reversal of water flow or other substance into the public water system or consumer's potable water system.

Testing Requirement For Backflow Assemblies.

All backflow assemblies are required to be tested at installation, annually thereafter, or when the assembly has been repaired or moved. The owner must have the testing performed by a **Certified Backflow Assembly Tester (BAT)**. A list of approved testers can be found at <http://www.cityofml.com/208/cross-connection-program>.

The City of Moses Lake does not perform any testing on backflow assemblies.

All costs associated with the backflow assembly and testing are the customer's responsibility .

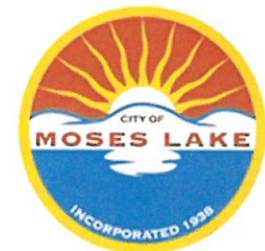
City of Moses Lake

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Cross Connection Control Program for Lawn Sprinklers and Irrigation Systems

All irrigation systems using potable water from the City of Moses Lake are required to have an approved backflow prevention assembly. Keeping our drinking water supply safe for consumption is a matter of mutual concern and benefit.



Moses Lake Together
Creating Our Future

Why is a Backflow Prevention Assembly Required?

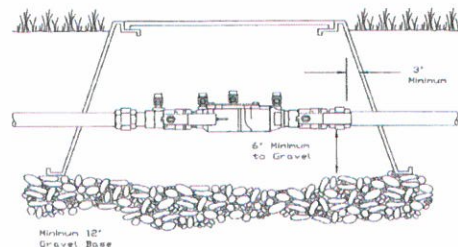
Irrigation systems that are not protected by an approved backflow assembly could contaminate the public drinking water supply, endangering the health of a household, neighborhood, or community.

All lawn sprinklers and irrigation systems connected to the City of Moses Lake potable (drinking) water supply are required to have an approved backflow assembly installed, whether existing or new, in accordance with **MLMC 13.09**.

State approved backflow prevention assemblies shall be installed in accordance with section **603.5.6** of the uniform plumbing code. A plumbing permit is required before installing an irrigation system per **RCW 19.27**. Permit information can be found at <http://www.cityofml.com/83/Building-Permits-Inspections>.

Double Check Valve Backflow Prevention Assembly (DCVA)

- The double check valve assembly (DCVA) may be installed to isolate all irrigation systems that do not use injectors or pumps to apply fertilizer and other agricultural chemicals
- The DCVA may be installed in a below-ground enclosure provided the assembly test cocks are plugged; the test cocks are pointed up; adequate space is provided for maintenance and testing; and any compressed air connections are installed only downstream of the DCVA.



Small DCVA Installation - Below Ground Box

Reduced Pressure Backflow Assembly (RPBA)

- The reduced pressure backflow assembly (RPBA) should be installed to isolate irrigation systems using injectors or pumps to apply fertilizer and other agricultural chemicals.
- The RPBA must be installed above ground to prevent the relief valve opening from becoming submerged. The RPBA should be installed in an insulated enclosure to provide freeze protection.

