

City of Monroe Water System RESIDENTIAL CROSS CONNECTION CONTROL

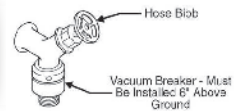


Residential customers of the City of Monroe Water System will start receiving notice in 2018 for a cross connection inspection. The City of Monroe Water System is starting residential cross connection control July 1, 2018 in accordance with the Michigan Department of Environmental Quality (MDEQ).

The MDEQ has elevated the awareness of potential hazards that residential cross connections pose to public water systems. It is the responsibility of the water purveyor (Monroe Water System) to have a comprehensive cross connection control program for the elimination and prevention of all cross connections. A cross connection is an arrangement of piping which could allow undesirable water, bacteria or chemicals to enter your drinking (potable) water system as a result of backflow. Some examples include:

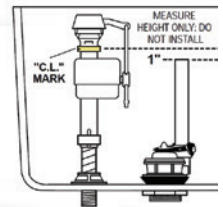
SINKS Maintain an air gap of at least twice the diameter of the supply pipe above the flood level rim of the receptacle.

HOSE BIBBS Install a hose connection vacuum breaker conforming to ASSE 1011 (approved for out-door use) on the hose bibb or install a sillcock that conforms to ASSE 1019.



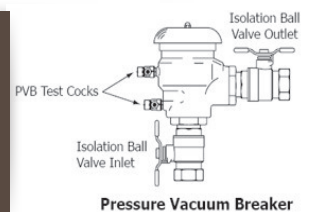
SUMP PUMPS Water operated backup sump pumps are required to have a reduced pressure principle backflow preventer that conforms to ASSE 1013 installed on the water supply to the pump.

TOILETS Install an anti-siphon fill valve in the toilet tank. Pay close attention to the installation instructions to make sure the critical level mark is at least 1" above the overflow tube as shown in the diagram to the right.



BOILERS Low pressure non-treated boilers shall be protected against backflow by a double check valve with an intermediate atmospheric vent conforming to ASSE 1012. Chemically treated boilers are required to be protected against backflow with a reduced pressure principle backflow preventer that conforms to ASSE 1013.

LAWN IRRIGATION SYSTEMS Most lawn irrigation systems are required to be protected against backflow by a pressure vacuum breaker conforming to ASSE 1020 or by a reduced pressure principle backflow preventer conforming to ASSE 1013. However, some irrigation systems are designed with atmospheric vacuum breakers which must be installed downstream of all valves.



How can I eliminate cross connections?

Cross connections can be eliminated by making sure each point of use is protected against backflow. This can be accomplished by maintaining air gaps or installing required backflow preventers, so undesirable water is not able to enter the potable water supply piping. Homeowners that get their drinking water from a public water system are required by the "Michigan Safe Drinking Water Act" to maintain their plumbing systems in a manner free of cross connections.

Questions or Need to Setup an Appointment?

Call the Monroe Water System at 734-384-9150, M-F 8:00 AM to 4:30 PM, or visit our web site at www.monroemi.gov and select 'Report an Issue.'

