

ATTENTION ALL CITY RESIDENTS

Please be advised that a City of Amery Public Works employee will be stopping by your home checking to make sure you are in compliance with the Cross-Connection standards set out by the Wisconsin Department of Natural Resources.

Please read the other side for pertinent information.

What is Cross Connection?

A cross connection is an actual or potential connection between the safe drinking water (potable) supply and source of contamination or pollution. State plumbing codes require approved backflow prevention devices, assemblies, or the methods to be installed at every point of potable water connection and use. Cross Connections must be properly protected or eliminated.

How does contamination occur?

When you turn on a faucet, you expect the water to be as safe as when it left the water reservoir. However, certain hydraulic conditions left unprotected within your plumbing system may allow hazardous substances to enter and contaminate the drinking water in your home, or even the public water supply. Water normally flows in one direction to your faucet. However under certain conditions, water can actually flow backwards; this is known as Backflow. There are two situations that can cause Backflow: back-siphonage and back pressure.

Back-Siphonage: May occur due to a loss of pressure in the municipal water supply such as from a water main break.

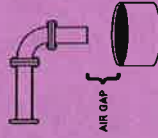
Back Pressure: May occur when a source (such as a boiler) creates a greater pressure than the incoming water pressure.

Do...

- Keep the ends of hoses clear of all possible contaminants.
- Make sure dishwashers are installed with the proper "air gap" device.
- Verify hose bibb vacuum breaker on all threaded faucets around your home.
- Make sure water treatment devices such as water softeners have the proper "air gap", which is a minimum of one inch above the drain.

Don't...

- Submerge hoses in buckets, pools, tubs, sinks, ponds or automobile radiators.
- Use spray attachments without an approved backflow prevention device.
- Connect drain pipes from water softeners or other treatment systems directly to the sewer drain. Always be sure there is a one inch "air gap" separation.



ASSE #1011 Vacuum Breaker



In the Bathroom - Hand Held Shower

The hand held shower fixture is compliant if:

- When the shower hose head is hanging freely, it is at least 1 inch above the top of the flood level rim of the receptor (tub).
- Complies with ASSE # 1014..
- Has the ASME code 112.18.1 stamped on the handle.

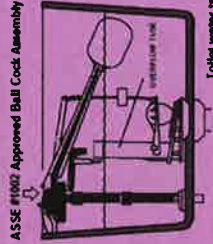
Back-Siphonage: May occur due to a loss of pressure in the municipal water supply such as from a water main break.

Back Pressure: May occur when a source (such as a boiler) creates a greater pressure than the incoming water pressure.

In the Bathroom—Toilet Tanks

There are many unapproved toilet tank fill valve products sold at common retailers which do not meet the state plumbing code requirements for backflow prevention.

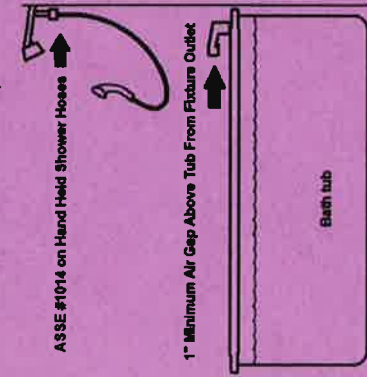
- Look for the ASSE #1002 Standard symbol on device and packaging.
- Replace any unapproved devices with an ASSE #1002 approved anti siphon ball-cock assembly. Average cost for this do-it-yourself-type device available at home improvement stores is \$8 to \$22.
- Verify overflow tube is one inch below critical level (CL) marking on device.



ASSE #1002 Approved Ball Cock Assembly

In the Kitchen

Hoses and water treatment devices may create a potential backflow hazard if not properly isolated with backflow prevention devices or methods.



ASSE #1014 on Hand Held Shower Hoses

1" Minimum Air Gap Above Tub From Fixture Outlet

ORDINANCE 04-2012

**To Amend and Replace the Code of the City of Amery
Water Utility Regulations and Rates Chapter 9-1-52: Cross Connection Control
To Provide a Program for Protecting the Public Water System From Contamination Due to
Backflow of Contaminants Through the Water Service Connection Into the Public System**

WHEREAS, Chapters NR 810 and COMM 82, Wisconsin Administrative Code, require protection for the public water system from contamination due to backflow of contaminants through the water service connection; and

WHEREAS, the Wisconsin Department of Natural Resources requires the development and implementation of a comprehensive cross connection control program to effectively prevent the contamination of potable water systems;

NOW THEREFORE, BE IT ORDAINED by the Council of the City of Amery, State of Wisconsin:

Section 9-1-52 Cross Connection Control

a) **DEFINITION OF CROSS CONNECTION.** A cross connection is defined as any physical connection or arrangement between two otherwise separate systems, one of which contains potable water from the City of Amery's public water system, and the other of which contains water from a private source, water of unknown or questionable safety, or steam, gases, or chemicals, whereby there may be a flow from one system to the other, with the direction of flow depending on the pressure differential between the two systems.

b) **UNPROTECTED CROSS CONNECTIONS PROHIBITED.** No person, firm, or corporation may establish or maintain, or permit to be established or maintained, any unprotected cross connection. Cross connections shall be protected as required in ch. COMM 82, Wisconsin Administrative Code.

c) **INSPECTION.** The water utility may inspect, or arrange for an inspection of, property served by the public water system for cross connections. As an alternative, the water utility may require a person, firm, or corporation who owns, leases, or occupies property to have their plumbing inspected, at their own expense by a State of Wisconsin Certified Cross Connection Inspector/Surveyor. The frequency of inspections shall be established by the water utility in accordance with Wisconsin Administrative Code. Any unprotected cross connections identified by the inspection shall be sufficient cause for the water utility to discontinue water service to the property, as provided under paragraph 6 of this ordinance.

d) **RIGHT OF ENTRY.** Upon presentation of credentials, a representative of the water utility shall have the right to request entry, at any reasonable time, to a property served by a connection to the public water system for the purpose of inspecting the property for cross connections. Refusing entry to such utility representative shall be sufficient cause for the water utility to discontinue water service to the property, as provided under paragraph 6 of this ordinance. If entry is refused, a special inspection warrant under Section 66.0119 of the Wisconsin Statutes, may be obtained.

e) **PROVISION OF REQUESTED INFORMATION.** The water utility may request an owner, lessee, or occupant of property served by a connection to the public water system to furnish the water utility with pertinent information regarding the piping systems on the property. Refusing to provide requested information shall be sufficient cause for the water utility to discontinue water service to the property, as provided under paragraph 6 of this ordinance.

f) **DISCONTINUATION OF WATER FOR VIOLATION.** The water utility may discontinue water service to any property wherein any unprotected cross connection in violation of this ordinance exists, and take other precautionary measures deemed necessary to eliminate any danger of contamination of the public water system. Water service may be discontinued, however, only after reasonable notice and opportunity for hearing under Chapter 68, Wisconsin Statutes, except as provided in paragraph 7 of this ordinance. Water service to such property shall not be restored until the unprotected cross connection has been eliminated.

g) **EMERGENCY DISCONTINUANCE.** If it is determined by the water utility that an unprotected cross connection or emergency endangers public health, safety, or welfare, and requires immediate action, and if a written finding to that effect is filed with the City Clerk and delivered to the customer's premises, water service may be immediately discontinued. The customer shall have an opportunity for hearing under Chapter 68, Wisconsin Statutes, within 10 days of such emergency discontinuance. Water service to such property shall not be restored until the unprotected cross connection has been eliminated.

Passed this 1st day of February, 2012.

This ordinance shall take effect upon passage and publication as required by law.

Michael Karuschak Jr., Mayor

ATTEST:

Darcy D. Long, City Administrator