

What is Backflow? Is the reverse flow of water or other liquids that could flow into the potable water system, causing possible contamination.

Where can Cross Connections Occur?

Cross connections can occur at many points throughout a distribution system, some examples are-

- Lawn chemicals back flowing through a garden hose into indoor plumbing and potentially into the distribution system.
- Carbonated water from a restaurant's soda dispenser entering a water system due to backpressure.
- Backsiphonage of chemicals from industrial buildings.
- Improper use or lack of a lawn irrigation backflow prevention device called a Pressure Vacuum Breaker or PVB, which is required by code to be installed on all lawn irrigation systems.
- Filling a swimming pool or tub with a garden hose with no backflow device or air gap between the garden hose and the pool of water.



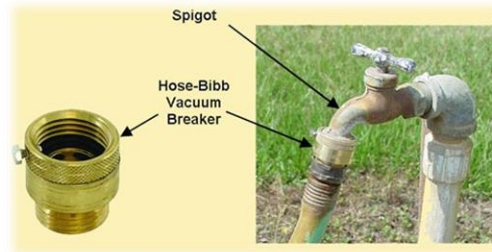
City of Waverly

Backflow Prevention



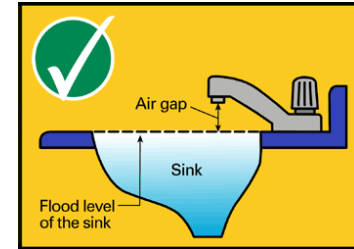
What can you do?

- If you are using a lawn chemical feeder or car wash soap dispenser that is hooked to your garden hose make sure it has a backflow prevention device such as a Hose Bib Vacuum Breaker.
- If you are filling a swimming pool, tub, or bucket make sure the garden hose has an air gap between the hose end and the pool of water. Do not let the hose fall into the water as a backsiphonage could pull water from the basin into the water system.
- Backflow devices are required by the State of Nebraska Title 179 on all commercial and industrial facilities with annual testing by a licensed backflow tester. The city sends out annual backflow test reminders for each registered device within the city.



- What are the five basic products used for protection of cross-connections?

1. Air Gap



2. Atmospheric Vacuum Breakers -



3. Pressure Vacuum Breakers – required on lawn sprinkler systems



4. Double Check Valve Assembly



5. Reduced Pressure Zone Assembly



Find more information about backflow protection use the following links-

American Backflow Prevention Association

<https://abpa.site-ym.com>

US EPA Cross Connection Control Manual

<https://www.epa.gov/dwsix/yearreview/drinking-water-distribution-systems>

**HELP PROTECT THE WATER
SUPPLY SO EVERYONE CAN
ENJOY IT**