

RULES & REGULATIONS

Utah Code

Pressurized, non-potable water piped in areas served by a potable water system should:

- Have distinctive coloring or markings on exposed system parts.
- Install potable and non-potable lines in separate trenches and kept completely separate.
- Operate hydrants and sprinkler system controls with a removable key.
- Non-potable systems are not extended into any building.
- Only system managers can make connections to non-potable system.



Utah Code
19-4-112

Utah Drinking Water Rules

Purveyors serving areas also served by pressurized irrigation systems shall prevent cross connection between the two.



Utah Drinking
Water Rules
R309-105-12(5)

CONTACT INFO

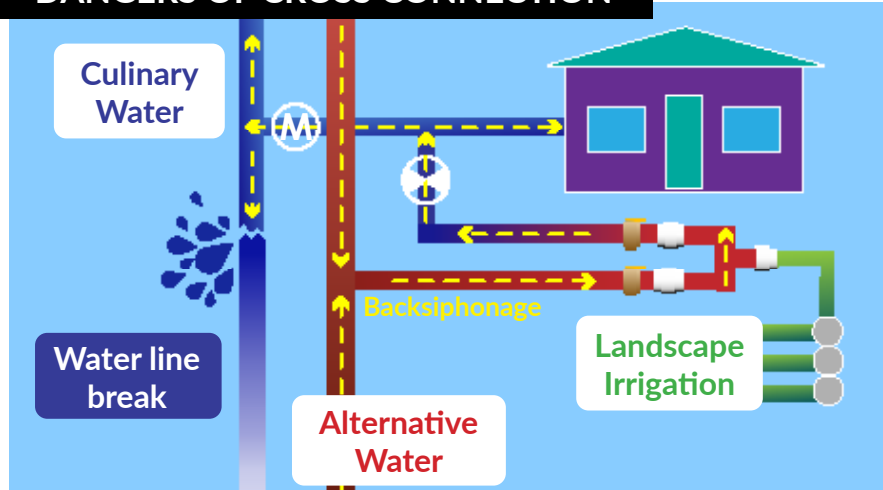
DUAL SOURCE LANDSCAPE IRRIGATION SYSTEMS



WHAT ARE DUAL SOURCE SYSTEMS?

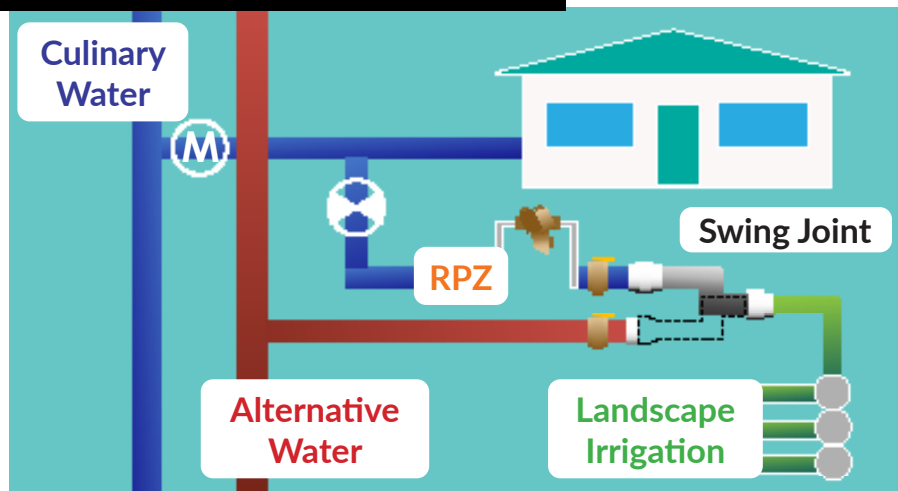
Irrigation systems fed by alternative sources of water such as private ponds, wells, or irrigation canals, alongside the public drinking water system are known as **Dual Source** systems. Alternative water supplies are not safe to drink, and may contain disease causing organisms. For this reason, it's imperative to properly install and maintain Dual Source systems.

DANGERS OF CROSS CONNECTION



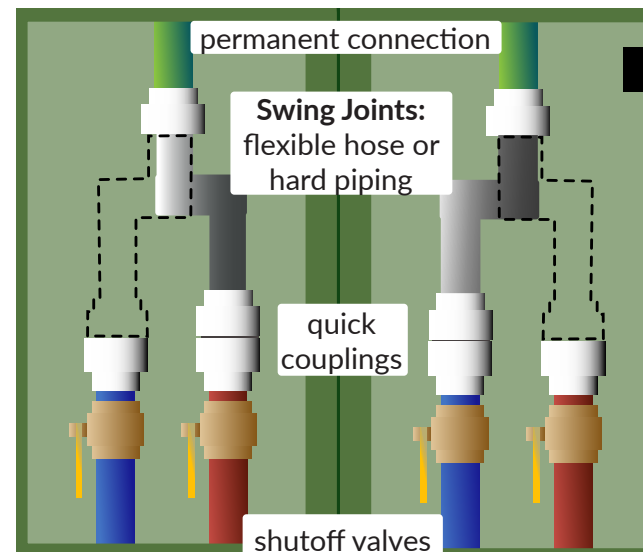
Backpressure or backsiphonage from improperly connected dual source systems can pollute culinary drinking water. Negative pressure events such as water line breaks can create vacuums in the culinary water system, allowing contaminated water to be siphoned back into the culinary water system.

PROPER SYSTEM SET UP



A proper dual source connection contains a **swing joint**, and includes a **Reduced Pressure Zone Assembly (RPZ)** on the culinary water line before the swing joint connection.

SWING JOINT



Swing joint connections allow for quick coupling between **irrigation systems** and **alternative water source**, or **culinary water source**. Only one source can be connected at a time. Pipes must be color coded and labeled.

REDUCED PRESSURE ZONE ASSEMBLY (RPZ)

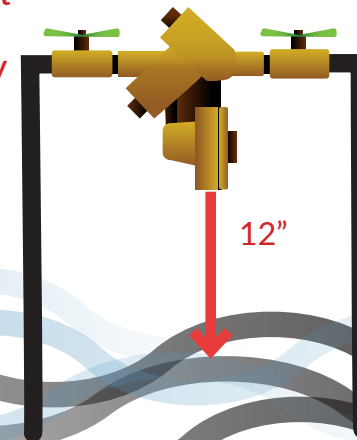


The RPZ prevents contamination of the culinary system through back pressure or backsiphonage. RPZs must be tested by a commercial certified backflow technician within 10 days of initial use and annually thereafter.

Forward test results to

Relief port cannot be directly connected to any waste valve

Installed in a horizontal position



Systems must be installed 12 inches from any wall, ceiling, obstacle, or ground