

## Plumbing Cross Connection

Pursuant to Chapter 333, Division of Oregon Administrative Rules, it is the responsibility of the Fern Ridge School District Water Systems to protect its drinking water by instituting and enforcing a cross connection program.

1. No cross connection will exist except in accordance with this document.

2. Definitions:

“Cross Connection”: Any actual or potential physical connection between a potable water line and any pipe or vessel containing a non-potable fluid so that it is impossible to introduce the non-potable fluid by backflow.

“Backflow”: The flow in the direction opposite to the normal flow caused by back-siphonage or back pressure.

“Back Siphonage”: Caused by negative or reduced pressure in the supply piping.

“Back Pressure”: Occurs when potable supply piping is connected to a system or fixture which exceeds the operating pressure of the supply piping.

3. Cross connection shall not be created, installed, used or maintained within the water systems by any contractor, supplier, person or persons except as set out in this document and approved by the district office and cross connection inspector.

4. Approved backflow protection device assemblies for protecting the water systems shall be installed at the point of cross connection where an approved airgap does not exist and:

- a. There is an auxiliary water supply which is, or can be connected to the potable water piping.
- b. There is piping for conveying liquids other than potable water, and where that piping is under pressure and is installed in proximity to potable water piping.
- c. There is intricate plumbing which makes it impractical to ascertain whether or not cross connections exist.
- d. There is back siphonage potential
- e. Cross connections or potential cross connections exist.

5. All device assemblies shall be testable and meet the specifications of construction, evaluation, and approval of backflow prevention assemblies as specified in Section 10, Manual of Cross Connection Controls, 9th Edition, December, 1993, published by the Foundation for Cross Connection Control and Hydraulic Research, University of California and AWWA Standards C510-92 and C511-92.

6. All backflow prevention device assemblies shall be installed in accordance with Section (1) through (4) of OAR 333-061-071. Pressure Vacuum Breaker, Double Check Valve, and Reduced Pressure Device assemblies shall have resilient seated gate valves or fully ported ball valves provided by the device manufacturer for both shut-off valves and for the test cocks.
7. The type of backflow prevention device to be installed will be according to the degree of hazard established by the Oregon Administrative Rules Chapter 333-061-070, Cross Connection Requirements 1/7/94.
8. Failure to comply by these rules will result in non-payment of services and/or liability for a cross connection incident.