

CHAPTER 4

CROSS CONNECTIONS

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FIELD SERVICES
DRINKING WATER PROGRAM

8-4-1: **DEFINITIONS:**

AWWA:	The American Water Works Association.
AIR GAP SEPARATION:	The physical vertical separation between the free flowing discharge end of a potable water supply pipeline and the open or nonpressure receiving vessel.
APPROVAL OR APPROVED:	Approved in writing.
AUXILIARY WATER SUPPLY:	Any supply of water used upon the premises other than, or in addition to the supply obtained from the city potable water system.
BACKFLOW:	The flow in the direction opposite to the normal flow of water from the city system.
BACKFLOW PREVEN- TION DEVICE OR BACKFLOW PREVEN- TION DEVICE ASSEMBLY:	Oregon state health division approved backflow prevention device such as a vacuum breaker, pressure vacuum breaker, a double check valve assembly, or a reduced pressure principle device assembly, and the attached shutoff valves on the inlet and outlet ends of the device assembled as a complete unit.

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City of Heppner

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CHECK VALVE:	A valve which allows flow in only one direction.
CITY WATER SYSTEM:	The potable water system of the city of Heppner.
CROSS CONNECTION:	Any link or channel between the piping which carries drinking water and the piping or fixtures which carry other water or other substances.
DIVISION:	The health division of the Oregon department of human resources.
DOUBLE CHECK VALVE ASSEMBLY:	An assembly approved by the Oregon state health division consisting of two (2) independently acting check valves with shutoff valves on each side of the check valves and test cocks for checking the watertightness of each check valve.
OWNER:	Any person owning a beneficial interest with a right of possession in property served by the municipal water system, any occupant of any premises served by the city water system and any customer or water user of the city water system.
PERSON:	Includes any individual, corporation, association, firm, partnership, municipal, state or federal agency, or joint stock company and includes any receiver, special master, trustee, assignee or other similar representative thereof.
POTABLE WATER:	Safe drinking water.
PUBLIC WORKS DIRECTOR:	The public works director for the city of Heppner or the public works director's designee.
REDUCED PRESSURE PRINCIPLE BACK-FLOW PREVENTION DEVICE (RP DEVICE):	A device approved by the Oregon state health division for preventing backflow which has two (2) check valves, a differential relief valve located between the two (2) check valves, two (2) shutoff valves, one on the upstream side and the other on the downstream side of the check valves, and four (4) test cocks for

checking the watertightness of the check valves and the operation of the relief valve.

**SERVICE
CONNECTION:**

The piping connection by means of which water is conveyed from a distribution main of a public water system to a customer's premises. The portion of the service connection which conveys water from the distribution main to the customer's property line, or to the service meter where provided, is owned by and under the jurisdiction of the water supplier.

WATER SYSTEM:

A system for the provision of piped water for human consumption. (Ord. 525-98, 12-14-1998)

8-4-2: REQUIREMENTS:

- A. Whenever a water user or the owner of the premises obtaining water from the city water system treats the water in any way or adds any chemical or substance to the water, and such treated water is susceptible to a backflow, such person shall immediately notify the public works director.
- B. Backflow prevention device assemblies for protecting the city water system shall be installed on the owner's side of the service connection to premises where an approved air gap does not exist when there is an auxiliary water supply which is connected to the potable water piping; or
 - 1. There is intricate plumbing which makes it impractical to ascertain whether or not cross connections exist; or
 - 2. There is unprotected back siphonage potential; or
 - 3. Unprotected cross connections exist; or
 - 4. There is an auxiliary water supply which could be connected to the potable water piping, or potential cross connections exist unless all of the following requirements are met:
 - a. The owner(s) makes written request for a variance.

b. The owner(s) has signed an affidavit stating that there is no cross connection with the city water system, and that if ownership of the property changes, the new owner(s) will install the required device unless the new owner(s) obtains a variance prior to receiving water from the city.

c. The owner(s) has obtained an inspection of the plumbing by the public works director, and the public works director has approved the variance, in writing, setting forth any reasonable requirement for protecting the safety and integrity of the city water system.

Should the public works director deny the variance, the owner(s) may, within sixty (60) days, submit a written appeal to the public works committee and request a hearing. Upon hearing the appeal, the public works committee shall either grant a variance subject to whatever conditions it may require, or deny the variance.

Should the public works committee deny the variance, the owner(s) may, within thirty (30) days submit a written appeal to the city council and request a hearing. Upon hearing the appeal, the city council shall either grant the variance subject to whatever conditions it may require, or deny the variance. The decision of the city council shall be final. (Ord. 525-98, 12-14-1998)

8-4-3: **NOTICES:** Any notice required or permitted under this chapter shall be deemed given upon mailing to the address of the premises served or to the billing address of the water user listed with the city water department. (Ord. 525-98, 12-14-1998)

8-4-4: **DISCONTINUANCE OF SERVICE (SHUT OFF):** The public works director may shut off the water service to any premises when:

- A. A violation of this chapter continues after the expiration of any notice period provided under this chapter; or
- B. Immediately, upon determination that an emergency exists or that a substantial hazard exists due to the potential for backflow of hazardous substances; or
- C. Immediately upon the refusal of any water user or owner of premises to permit inspection, or if the public works director is unable to contact the water user or owner to arrange for an inspection, and

has given notice of such request prior to shutting off the water service. (Ord. 525-98, 12-14-1998)

8-4-5: **INSPECTIONS:** All water users and owners of premises served by the city water system shall permit inspections by the public works director, at such times as the public works director may designate, for purposes of determining whether the water user or owner is in compliance with this chapter. (Ord. 525-98, 12-14-1998)

8-4-6: **PENALTIES:** Violation of this chapter is a class B infraction pursuant to section 1-4-1 of this code. Each day that a violation of this chapter continues shall constitute a separate violation. (Ord. 525-98, 12-14-1998)

8-4-7: **LIABILITY:** The water user or owner shall be strictly liable for any backflow incident from his premises, and shall pay the costs for any required remedial action and any associated claims of injury, medical expense, or long or short term health effects. (Ord. 525-98, 12-14-1998)

