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FIELD SERVICES
DRINKING WATER PROGRAM



CROSS-CONNECTION ORDINANCE
ORD #2008.09.01

Pursuant to Chapter 333, Division 61 of the Oregon Administrative Rules, it is the responsibility of the Interlachen Water People's Utility District (IWPUD) to protect its drinking water by installing and enforcing a cross connection program. The following regulations are hereby adopted.

Contents:

1. Definitions:
2. Purpose:
3. Cross Connection Program:
4. Backflow Prevention Device Requirements:
5. Installation Requirements:
6. Access to Premises:
7. Annual Testing and Repairs:
8. Cost of Compliance:
9. Termination of Service:
10. Effective Date:

(1) Definitions:

- a) Approved backflow prevention devices means a device to counteract back pressure or prevent back siphoning. This device must appear on the list of approved devices issued by the Oregon State Health Division.
- b) Auxiliary Supply; means any water source or system other than the public water system, that may be available on the premises.
- c) Backflow; means the flow of opposite direction to the normal flow or the introduction of any foreign liquids, gases or substances into the water system of IWPUD.
- d) Contamination; means the entry into or the presence in a public water system of any substance which may be harmful to health and/or quality of water.
- e) Cross Connection; means any physical arrangement where the public water systems connects, directly or indirectly with another non-drinkable water system or auxiliary water system, sewer, drain conduit, swimming pool, spa, sauna, storage reservoir,

plumbing fixture, irrigation, or any other device which contains, or may contain, contaminated water, sewage, or other liquid of unknown or unsafe quality which may be capable of contaminating the public water system as a result of backflow. Permanent or temporary devices through which, or because of which, backflow may occur are considered to be a cross connection.

- f) Degree of hazard; shall be derived from the evaluation of the health, system, plumbing or pollution hazard.
- g) Health hazard; means an actual or potential threat of contamination of the public potable water system or the consumer's potable water system that would be a danger to their health.
- h) System hazard; means an actual or potential threat of danger to the physical properties of the public or consumer's potable water system or contamination that would be detrimental on the quality of the potable water in the system.
- i) Potable Water Supply; means any system of water supply intended or used for human consumption or other domestic use.
- j) Premises; means any piece of land to which water is provided including all improvements, mobile home(s) and structures located on it.
- k) Reduced pressure backflow assembly; or RP device shall mean an assembly containing two independently acting pressure differential relief valves together with a hydraulically operated, mechanically independent pressure differential relief valve located between the check valves and at the same time below the first check valve. The device shall include properly located test cocks and tightly closing shut off valves at the end of the assembly. A check valve is approved if it appears on the list of approved devices issued by the Oregon State Health Division.

(2) Purpose:

The purpose of this ordinance is to protect the water supply of the IWPUD from contamination or pollution due to existing or potential cross connections.

(3) Cross Connection Regulated:

No cross connection shall be created, installed used or maintained within the territory served by IWPUD except in accordance with these regulations.

(4) Backflow Prevention Device Requirements:

- a) Backflow prevention devices shall be installed as an upgrade at every service connection as repairs are made.
- b) Backflow prevention devices shall be installed at all new residential connections.
- c) The device shall be installed at the service connection.
- d) Any mobile apparatus which uses water from the IWPUD or water from any premises served by the IWPUD shall first obtain a permit from the IWPUD and comply with all restrictions and fees.
- e) A cross connection inspector employed by the IWPUD shall carry out inspections throughout each property and stipulate the type of device required.

(5) Installation Requirements:

To insure proper operation and accessibility of all backflow devices, the following requirements shall apply to the installation of these devices:

- a) All test cocks will have plugs on them.
- b) Devices must be installed at the point of delivery of the water supply, before any branch in the line.
- c) Backflow device prevention assemblies shall be the type and model approved by the State of Oregon Health Division and the IWPUD.
- d) The device must be protected from freezing and other severe weather conditions by the user.
- e) Only devices specifically approved by the Oregon Health Division for vertical installation may be installed vertically.
- f) The device shall be readily accessible with adequate room for maintenance and testing. Double check valve assemblies shall be installed so that the checks are horizontal and the test cocks face upward.
- g) Any water pressure drop caused by the installation of a backflow device is not the responsibility of the IWPUD.
- h) It is the responsibility of the property owners to eliminate the possibility of thermal expansion.

(6) Testing and Repairs:

All testable backflow devices installed within the area served by the IWPUD shall be tested immediately upon installation and annually or biennially by a state certified tester, contracted by the IWPUD. All devices not found functioning properly shall be promptly repaired or replaced at the expense of the water user. If the device is not promptly repaired or replaced, the IWPUD may deny or discontinue water to the premises. The IWPUD shall set fees to cover the cost of this service.

(7) Cost of Compliance:

All cost associated with the purchase, installation, inspections, testing, replacement, maintenance, parts and repair of the backflow assembly are the financial responsibility of the property owner.

(8) Termination of Service:

Any customer who discontinues the use of cross connection assemblies or physically removes or bypasses an assembly gives sufficient cause for the immediate discontinuance of public water service to the premises. Service will not be restored until such conditions or defects are corrected. (Oregon Administrative Rule 333-061-070 sec 1)

(9) Effective Date:

These regulations shall become effective on November 17, 2008.