BOULDER CREEK W.S. - 4100722

Roselodge Water Company PO BOX 137, Roselodge, Or. 97372

CROSS CONNECTION REGULATIONS

Adopted 10-25-1990

Pursuant to Chapter 333, Division 61 of the Oregon Administrative Rules, It is the responsibilityof the Roselodge Water Company to protect its drinking water by instituting and enforcing a cross connection program. Therefore, the following regulations are hereby adopted:

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1:01 DEFINITIONS

(1) "_____" means _____

(2) **"Cross-connection"** means any physical arrangement where a public water system is connected, directly or indirectly, with any other non-drinkable water system or auxiliary system, sewer, drain conduit, swimming pool, storage reservoir, plumbing fixture, swamp coolers, 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 importing contamination to the public water system as a result of backflow. Bypass arrangements, jumper connections, removable sections, swivel or change over devices, or other temporary or permanent devices through which, or because of which, backflow may occur are considered to be cross connections.

(3) **"Backflow"** means the flow in the direction opposite to the normal flow, or the introduction of any foreign liquids, gases, or substances into the water system of the Roselodge Water Company.

(4) **"Auxiliary supply"** means any water source or system other than the Roselodge Water Company.

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(5) **"Approved backflow prevention device"** means a device to counteract back pressures or prevent back siphonage. This device must appear on the list of approved devices issued by the Oregon State Health Division.

(6) **"Reduced pressure principle device"** shall mean an assembly containing two independently acting approved check devices together with an 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.

(7) **"Premises"** means any piece of land to which water is provided including all structures, improvements, mobile home(s) and structures located on it.

1:02 PURPOSE

The purpose of these regulations is to protect the water supply of the Roselodge Water Company from contamination or pollution due to any existing or potential cross connections.

1:03 CROSS CONNECTIONS REGULATED

No cross connections shall be created, installed, used or maintained within the territory served by the Roselodlge Water Company, except in accordance with these regulations.

1:04 BACKFLOW PREVENTION DEVICE REQUIREMENT

Approved backflow prevention devices shall be installed at the expense of the user, either at the service connection or within the premises, as determined by a certified cross connection inspector paid by the user and employed by the Roselodge Water Company in each of the following circumstances::

(1) If the nature and extent of any activity on the premises, or the materials used in connection with any activity on the premises or materials stored on the prmises, could contaminate or pollute the drinking water supply.

(2) On premises having one or more cross connections as that term is defined in section 1:01 paragraph 4.

(3) Internal cross connections that are not correctable, or intricate plumbing arrangements which make it impractical to ascertain whether or not cross connections exist.

(4) A repeated history of cross connections being established or re-established.

(5) Unduly restricted entry so that inspections for cross connections cannot be made with sufficient frequency or with sufficient notice to assure that cross connections do not exist.

(6) Materials of a toxic or hazardous nature being used such that, if back siphonage should occur, a health hazard could result.

(7) Any mobile apparatus which uses Roselodge Water Company water or water from any premises within the Roselodge Water Company System.

(8) On any premise where installation of an approved backflow prevention device is deemed to be necessary to accomplish the purpose of these regulations in the judgement of the Roselodge Water Company management.

(9) On any premise where an appropriate cross connection report form has not been filed with the office of the Roselodge Water Company.

(10) On all premises not deemed hazardous by any of the preceeding criterion a simple check valve of the single or dual variety, at the discretion of the Roselodge Water Company, is required.

1:05 INSTALLATION REQUIREMENTS

To ensure proper operation and accessibility of all backflow prevention devices, the following requirements shall apply to the installation of these devices.

(1) No part of the backflow prevention device shall be submerged in water or installed in a location subject to flooding. If installed in a vault or basement, adequate drainage shall be provided.

(2) Devices must be installed at the point of delivery of the water supply, before any branch in the line, on private property located just inside of the property line. Alternate locations must be approved in writing by the Roselodge Water Company prior to installations.

(3) The device must be protected from freezing and other severe weather conditions.

(4) All backflow device prevention assemblies shall be of a type and model approved by the State of Oregon Health Division and the Roselodge Water Company.

(5) Only devices specifically approved by the Oregon Health Division for vertical installation may be installed vertically.

(6) The device shall be readily accessible with adequate room for maintainance and testing. Devices 2" and smaller shall have at least 6" clearance on all sides of the device.

(7) The property owner assumes all responsibility for all maintenance and annual testing of the device.

(8) If written permission is granted to install the backflow device inside of the building, the device shall be readily accessible during regular working hours of 8:00 a.m. to 5:00 p.m., Monday through Friday.

(9) RP devices may be installed in a vault only if relief valve discharge can be drained to daylight through a "boresight" type drain. The drain shall be of adequate capacity to carry the full rated flow of the device and shall be screened on both ends.

(10) An approved air gap shall be located at the relief valve orifice. This air gap shall be at least twice the inside diameter of the incoming supply line as measured vertically above the top rim of the drain and in no case less than 1".

(11) Upon completion of installation, The Roselodge Water Company shall be notified and all devices must be inspected and tested. All backflow devices must be registered with the Roselodge Water Company. Registration shall consist of date of installation, make, model, serial number of the backflow device, and initial test report.

(12) An air gap is not an approved means of cross connection protection on the Roselodge Water Company system.

(13) All new construction shall install appropriate backflow protection approved by the Roselodge Water System.

1:06 ACCESS TO PREMISES

Authorized employees of the Roselodge Water Company, with proper identification shall have access during reasonable hours to all parts of a premise and within the building to which water is supplied. However, if any water user refuses access to a premise or to the interior of a structure at reasonable times and on reasonable notice for inspection by a

cross connection specialist appointed by the Roselodge Water Company, a reduced pressure principle device will be required to be installed at the service connection to that premise.

1:07 ANNUAL TESTING AND REPAIRS

All backflow devices installed within the territory served by the Roselodge Water Company shall be tested immediately upon installation and annuallly therafter by a state certified tester. All such devices found not functioning properly shall be promptly repaired or replaced by the water user. If any such device is not promptly repaired or replaced, the Roselodge Water Company may deny or discontinue water to the premise. All testing and repairs are the financial responsibility of the water user.

1.08 VARIANCES

Any variances from these requirements shall be requested in writing by the owner and approved by the Roselodge Water Company prior to device installation.

1:09 COST OF COMPLIANCE

All costs associated with purchase, installation, inspections, testing, replacement, maintenance, parts, and repairs of the backflow device are the financial responsibility of the water user.

1:10 TERMINATION OF SERVICE

Failure on the part of any customer to discontinue the use of all cross connections and to physically separate cross connecections is sufficient cause for the immediate discontinuance of public water service to the premises. (OAR chapter 333-061-070, section 1)