

41-00806

C. CROSS CONNECTION REGULATIONS

Pursuant to Chapter 333, Division 61, of the Oregon Administrative Rules, it is the responsibility of Surf Pines Water Association to protect its drinking water by instituting and enforcing a cross connection program. Therefore, the following regulations are hereby adopted:

1:01 DEFINITIONS

- (1) "Approved backflow prevention device" means a device to counteract back pressures or prevent back siphonage. This device must appear on the list of approved device issued by the Oregon State Health Division.
- (2) "Auxiliary supply" means any water source or system other than the public water system, they may be available in the building or on the premises.
- (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 Surf Pines.
- (4) "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 supply, 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 imparting contamination to the public water system as a result of backflow. Bypass arrangements, jumper connections, removable sections, swivel or changeover devices, or other temporary or permanent devices through which, or because of which, backflow may occur are considered to be cross connections.
- (5) "Premises" means any piece of land which water is provided, including all structures, improvements, and mobile home(s), and any structures located on it.
- (6) "Reduced pressure principle device" shall mean an assembly containing two independently acting approved check valves 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 shutoff 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) "Surf Pines" means Surf Pines Water Association.

1:02 PURPOSE

The purpose of these regulations is to protect the water supply of Surf Pines 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 Surf Pines, except in accordance with these regulations.

1:04 BACKFLOW PREVENTION DEVICE REQUIREMENT

An approved backflow prevention device shall be installed, at the expense of the user, at each premises to which water is supplied by Surf Pines, either at the service connection or within the premises, as determined by a certified cross connection inspector employed by Surf Pines, 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 premises, could contaminate or pollute the drinking water supply.
- (2) On premises having one or more cross connections as that term is defined in these regulations.
- (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 Surf Pines system or water from any premises within the Surf Pines system.
- (8) On any premises where installation of an approved backflow prevention device is deemed to be necessary to accomplish the purpose of these regulations in the judgement of a certified cross connection specialist employed by Surf Pines.
- (9) On any premises where an appropriate cross connection report form has not been filed with the office of a certified cross connection specialist employed by Surf Pines.

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 a certified cross connection inspector prior to installation.
- (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 a certified cross connection inspector.
- (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 maintenance and testing. Devices 2" and smaller shall have at least 6" clearance on all sides of the device. All devices larger than 2" shall have a minimum clearance of 12" on the back side, 24" on the test cock side, 12" below the device and 36" above the device.
- (7) If written permission is granted to install the backflow device inside of a building, the device shall be readily accessible during regular working hours of 8:00 am to 5:00 pm, Monday through Friday.
- (8) Reduced pressure principle 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.
- (9) 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".
- (10) Upon completion of installation, all devices must be inspected and tested. All backflow devices must be registered with Surf Pines. Registration shall consist of date of installation, make, model, serial number of the backflow device, and initial test report.

1:06 ACCESS TO PREMISES

Authorized employees or contractors of Surf Pines, with proper identification, shall have access during reasonable hours to all parts of a premises and within the building to which water is supplied. However, if any water user refuses access to a premises or to the interior of a structure at reasonable times and on reasonable notice for inspection by a cross connection specialist appointed by Surf Pines, a reduced pressure principle device will be required to be installed at the service connection to that premises.

1:07 TESTING AND REPAIRS

All backflow devices installed within the territory served by Surf Pines shall be tested immediately upon installation and annually thereafter 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, Surf Pines may deny or discontinue water to the premises.

1:08 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.

1:09 VARIANCES

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

1:10 TERMINATION OF SERVICE

Failure on the part of any user to discontinue the used of all existing or potential cross connections or to allow an appropriate backflow prevention device to be installed as set forth in these regulations is sufficient cause for the immediate discontinuance of Surf Pines water service to a premises. (OAR Chapter 333-061-070, Section 1)

1:11 EFFECTIVE DATE

These regulations shall be effective as of September 8, 1990.