

L.A. Water Co-op

Resolution

41-00313

A resolution adopting Rules and Regulations for L A Water Cooperative relating to Cross Connections.

Whereas, Pursuant to chapter 333, Division 61 of the Oregon Administrative Rules, it is the responsibility of the L A Water Co-op to protect its drinking water by systematically identifying and controlling cross connections.

Now , Therefore, the L A Water Co-op does ordain as follows:

CONTENTS:

- 1.0 Definitions
- 2.0 Purpose
- 3.0 Cross Connections Regulated
- 4.0 Backflow Prevention Assembly Requirements
- 5.0 Installation, Maintenance, & Testing Requirements
- 6.0 Mobile Apparatus
- 7.0 Access to Premises
- 8.0 Annual Testing
- 9.0 Cost of Compliance
- 10.0 Termination of Services
- 11.0 Effective Date

1.0 DEFINITIONS

- 1.1 "Approved Backflow Prevention Device" means a device to counteract back pressures or prevent back siphonage. This device must appear on the list of approved devices issued by the Oregon State Health Division.
- 1.2 "auxiliary supply" means any water source or system other than the public water system, that may be available in the building or on the premises.
- 1.3 "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 Co-op's water.

- 1.4 "Contamination" means the entry into or presence in a public water supply system of any substance which may be deleterious to health and/or quality of the water.
- 1.5 "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 cooler, 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 change over devices, or other temporary or permanent devices through which, or because of which, backflow may occur are considered to be cross connections.
- 1.6 "Degree of Hazard" shall be derived from the evaluation of a health, system, plumbing, or pollution hazard.
- 1.7 "Double Check Valve Assembly" means an assembly of two independently acting check valves with shut-off valves on each side of the check valves and test cocks for checking the water tightness of each check valve.
- 1.8 "Division" means the Oregon State Health Division.
- 1.9 "Co-op" means the L A Water Cooperative.
- 1.10 "Health Hazard" means an actual or potential threat of contamination of a physical or toxic nature to the public potable water system or the consumer's potable water system that would be a danger to health.
- 1.11 "Plumbing hazard" means an internal or plumbing type cross connection in a consumer's potable water that may be either a polluttional or contamination type hazard. This includes but is not limited to, cross connections to toilets, sinks, lavatories, wash trays, domestic washing machines and lawn sprinkling systems. Plumbing-type cross connections can be located in many types of structures including homes, apartment houses, hotels and commercial of industrial establishments.
- 1.12 "Polluttional Hazard" means an actual or potential threat to the physical properties of the water system or the potability of the public or the consumer's potable system but which would not constitute a health or system hazard as defined. The maximum degree of

intensity of pollution to which the potable water system could be degraded under this definition would cause a nuisance or be aesthetically objectionable or could cause minor damage to the system or it's appurtenances.

- 1.13 "Potable Water Supply" means any system of water supply intended or used for human consumption or other domestic use.
- 1.14 "Premises" means any piece of land to which water is provided including all improvements, mobile home(s), and structures located on it.
- 1.15 "Reduced Pressure Principle Device" shall mean an assembly containing 2 independently acting check 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 both ends of the assembly. A device is approved if it appears on the list of approved devices issued by the Oregon State Health Division.
- 1.16 "System Hazard" means an actual or potential threat of severe danger to the physical properties of the public or consumer's potable water system or of a pollution or contamination which would have a detrimental effect on the quality of the potable water in the system.

2.0 **PURPOSE**

The purpose of these regulations is to protect the water supply of the L A Water Co-op from contamination and/or pollution due to any existing or potential cross connections.

3.0 **CROSS CONNECTIONS REGULATED**

The control of cross connections shall be in accordance with this resolution and in compliance with the Oregon Administrative Rules chapter 333-61-070 (Cross Connection Control Requirements). The L A Water Co-op shall have the authority to establish requirements more stringent than the Division's regulations if conditions so dictate. Therefore, no cross connections shall be created, installed, used or maintained within the territory served by the L A Water Co-op except in accordance with this resolution.

4.0 BACKFLOW PREVENTION ASSEMBLY REQUIREMENTS

- 4.1 Every service connection served by the Co-op shall have a backflow prevention device installed at the service connections or within the premises, as determined by a certified cross connection inspector employed by the Co-op.
- 4.2 A cross connection inspector employed by the Co-op shall carry out inspections throughout each property and stipulate the type of device required.
- 4.3 The L A Water Co-op does not accept atmospheric vacuum breakers(AVBs), pressure vacuum breakers(PVBs), or air gaps as a method to correct an actual or potential cross connection requiring an approved backflow prevention device.

5.0 INSTALLATION, MAINTENANCE, & TEST REQUIREMENTS

To ensure proper operation, installation, and accessibility of all backflow prevention devices, the following requirements shall apply to the installation of these device assemblies within the boundaries of the Co-op.

- 5.1 The L A Water Co-op will install all assemblies required by this resolution.
- 5.2 Assemblies must be installed at the point of delivery of the water supply, before any branch in the line. Alternate locations must be approved in writing by the Co-op prior to installations.
- 5.3 All backflow prevention device assemblies shall be of a type and model approved by the L A Water Co-op.
- 5.4 Only device assemblies specifically approved for vertical installation may be installed vertically. Written requests request for a variance must be submitted prior to installation.
- 5.5 The device assembly shall be readily accessible with adequate room for maintenance and testing. Device assemblies 2" and smaller shall have at least 6" clearance on all sides of the device assembly. All device assemblies larger than 2" shall have a minimum clearance of 12" on backside, 24" on the test cock side, 12" clearance below the assembly, and 36" above the device.

- 5.6 If permission is granted to install the backflow device inside a building, the device assembly shall be readily accessible during regular working hours of 8:00 a.m. to 4:30 p.m., Monday through Friday.
- 5.7 Maximum height of installation shall not exceed 5 feet for device assemblies 2" and larger unless there is a permanently installed platform meeting OSHA standards to facilitate servicing the device assembly.
- 5.8 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 assembly and shall be screened on both ends.
- 5.9 An approved air gap shall be located at the relief valve orifice of RPPBD. 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 one inch.
- 5.10 Immediately after installation, repair of the device assembly and/or the moving of the device assembly to another approved location, the device assembly must be tested a state of Oregon certified tester employed by the L A Water Co-op. If for any reason a device fails any test, it shall be repaired and retested immediately until satisfactorily passing the test.
- 5.11 The Co-op will retain registration of all device assemblies. Registration shall consist of date of installation, installer, make, model, serial number, size and location of device assembly and initial test report. All subsequent test results shall be retained in the file.
- 5.12 Any damage to the device assembly(s) caused by negligence or intentional acts will be the financial responsibility of the property owner. This responsibility will include, but not be limited to, purchase of a new device assembly, together with it's installation and initial testing.
- 5.13 L A Water Co-op shall be responsible for arranging the testing of customer's device assemblies through testers approved and contracted by the Co-op.
- 5.14 Device assemblies shall be tested more frequently if the Co-op determines that there is an "extreme health risk" or the device repeatedly fails.

- 5.15 The property owner shall be responsible to protect the device assembly from freezing and other severe weather conditions.

6.0 **MOBILE APPARATUS**

Any mobile apparatus which uses L A Water Co-op's water system or water from any premises within the Co-op's system must obtain a permit from the Co-op. Permits shall not be required for authorized fire personnel in providing emergency fire protection services within the L A Water Co-op boundaries.

7.0 **ACCESS TO PREMISES**

Authorized employees or representatives of the L A Water Co-op with proper identification, shall have access during reasonable hours to all parts of the premises and within the buildings 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 the Co-op, a reduced pressure principle device assembly will be installed at the service connection to the premises.

8.0 **ANNUAL TESTING AND REPAIRS**

All backflow device assemblies installed within the boundaries of the L A Water Co-op shall be retested annually and/or on a more frequent basis as required by section 5.10 by a State of Oregon certified tester employed by the Co-op. All device assemblies found not functioning properly shall be immediately repaired by the tester as per section 5.12, or replaced. All associated costs shall be billed to the property owner by the Co-op.

9.0 **COST OF COMPLIANCE**

All charges will to the extent practicable be allocated to members who have identified cross connections that require backflow prevention devices.

All of the costs incurred in installing, testing, and maintaining devices for commercial customers shall be billed to the customer.

To the extent residential users have installed, maintained, and tested devices at their own expense, they shall be credited for the charges incurred in the separate line item on their bills and future costs and charges shall be debited against the credit balance.

All of the costs incurred in installing, testing, and maintaining devices for commercial customers shall be billed to the customer.

10.0 **TERMINATION OF SERVICES**

Failure to comply with any part of this resolution is sufficient cause for the immediate discontinuance of public water service to the premises (OAR Chapter 333-61-070, Section 1)

11.0 **EFFECTIVE DATE**

This resolution shall be effective as of 12-14, 1995.

Adopted by the Board of Directors L A Water Co-op this 14th day of December, 1995.

L A Water Cooperative

Chairman

Secretary