

# Arrowood Community Water Co.

## Cross Connection Resolution

41-01525

- I. **General Information** For the purpose of compliance with the State of Oregon's cross connection and backflow prevention program and in effort to protect the water supply and distribution system the Board of Directors adopts the follow resolution for the Points West Community Water Association.
- II. **Application.** This resolution applies to all properties served by The Points West Community Water Association.
- III. **Definitions.** The following definitions apply.
- a. **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 Association.
  - b. **Certified backflow assembly tester** means a person who has successfully completed and maintains all requirements as established by the Department of Human Services -- Health Services to be a tester in the State of Oregon.
  - c. **Contamination** means the entry into or presence in the Associations water supply system of any substance which may be deleterious to health and/or quality of the water.
  - d. **Cross connection** means any physical arrangement where a potable water supply is connected, directly or indirectly, with any other nondrinkable 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 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.
  - e. **Degree of hazard** means the non-health hazard or health hazard or high hazard classification that shall be assigned to all actual or potential cross connections.
  - f. **Double check detector assembly or DCDA** means an assembly which consists of two independently operating check valves which are spring-loaded or weighted. The assembly comes complete with a shut-off valve on each side of the checks, as well as test cocks to test the checks for tightness. It shall also be provided with a factory bypass arrangement with a meter and a minimum of an approved double check assembly.
  - g. **Health hazard** means an actual or potential threat of contamination of a physical, chemical or biological nature to the Associations potable water system or the consumer's potable water system that would be a danger to health.
  - h. **Mobile units** means units that are temporary in nature, connecting to the water system through a legally permitted hydrant, hose bib, or other appurtenance of a permanent nature that is part of the Associations water system or a permanent water service to a premises. Examples can include but are not limited to the following: water trucks, pesticide applicator vehicles, chemical mixing units or tanks, waste hauler's trucks or units, sewer cleaning equipment, carpet or steam cleaning equipment other than homeowner use, rock quarry or asphalt/concrete batch plants or any other mobile equipment or vessel that poses a threat of backflow in the Associations Water System.
  - i. **Non-health hazard** means the classification assigned to an actual or potential cross connection that could allow a substance that may be objectionable, but not hazardous to one's health, to backflow into the potable water supply.

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- j. **Pollution hazard** means an actual or potential threat to the physical properties of the water system or the potability of the Associations Members or the consumer's potable water system, but which would not constitute a health or system hazard, as defined. The maximum intensity of pollution to which the potable water system could be degraded under this definition would cause minor damage to the system or its appurtenances.
- k. **Reduced pressure principle backflow prevention assembly or reduced pressure principle assembly** means an assembly containing two independently acting approved 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 assembly shall include properly located test cocks and two tightly closing shut-off valves.

#### IV. Cross Connection Regulations.

- a. The Association may survey and inspect to determine if any actual or potential cross connection exists and order the installation of an assembly meeting Association Standards and Specifications be installed at the service connection.
- b. The association is responsible for all cross connection control within the premises, including purchase, installation, testing, repair and maintenance of backflow prevention assemblies and all cost associated with this work will be passed along through the assessments for the water company to each owner.

#### V. Backflow Prevention Assembly Requirements.

- a. Backflow prevention devices have been installed at each service address.
- b. The Association may survey and inspect these devices periodically to ensure the assembly meets the standards.

#### VI. Irrigation Systems. All irrigation systems shall be protected according to Uniform Plumbing Code regulations. In the event any system is equipped with an injector system, a reduced pressure principle assembly will be required.

#### VII. Installation.

- a. All backflow prevention assembly installations shall comply with Deschutes County Standards and Specifications and applicable State regulations.
- b. If the premises isolation assembly is allowed to be installed at a location other than the point of connection to the Community water system, the Community must have access to the assembly. No connections can be made between the meter and the backflow assembly.

#### VIII. Access to Property. Association personnel may enter property to which the Association provides water service during reasonable hours for the purpose of determining compliance with this chapter or if backflow prevention devices are needed. If any owner, occupant or person in control refuses Association personnel access, a reduced pressure principle assembly must be installed at the service connection.

#### IX. Annual Testing and Repairs. All backflow prevention assemblies shall be tested at least annually by a certified backflow assembly tester at the expense of the Water Company. All assemblies found not functioning properly shall be promptly repaired or replaced. An assembly will be retested immediately if moved, repaired or replaced.

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All repairs on backflow assemblies will be performed according to State regulations and the County Standards and Specifications.

- X. Maintenance of Assemblies.** Backflow prevention assemblies shall be maintained, tested and repaired in accordance with this resolution and applicable regulations. All fees associated with the maintenance of this system will be billed to the members of the water company. These fees become subject to the approved collections resolution for the community.
- XI. Backflow Assembly Testers.** Only State-certified backflow assembly testers may test backflow assembly devices. Backflow assembly testers shall submit records of all backflow assembly test repairs to the Association within 10 business days of completing the test.
- XII. Costs of Compliance.**
- a. Any person violating any of the provisions of this chapter and who causes damage to or impairs the Association system, including, but not limited to, allowing contamination, pollution, any other solution or used water to enter the Association water system, shall be liable to the Association for any expense, loss or damage caused by the violation. The Association shall collect from the violator the cost incurred by the Association for any cleaning, purifying, repair or replacement work or any other expenses caused by the violation. Refusal to pay the assessed costs shall constitute a violation and may result in termination of service.
  - b. All cost associated with any disconnect or reconnect fees resulting from the enforcement of this chapter are the sole responsibility of the water utility account holder and/or owner of the premises.
- XIII. Termination of Service.** In an emergency or where an immediate threat to life or public health is found to exist, the Association may immediately terminate service to the premises.