

Bonnie - These are the by laws we adopted on 12-11-96, and will be enforcing in coming months.

ZZWC

**ZigZag Water Cooperative
Bylaw Amendment
Cross Connection Control Program**

4101241

I. PURPOSE

- A. To protect the private potable water supplied by the ZIGZAG WATER COOPERATIVE (ZZWC) from possible contamination or pollution by isolating within its internal distribution system, such contaminants or pollutants which could backsiphon or backflow into the public water system.
- B. To promote the elimination of, or control of, existing cross connections, actual or potential between potable and non-potable water sources.
- C. To provide for the maintenance of a continuing cross connect program.

II. AUTHORITY

- A. The Federal Safe Drinking Water Act of 1974, and the statues of the State of Oregon, Administrative Rules Chapters #333-61-070, #333-61-071, and #333-61-072 state that the water supplier has the primary responsibility for preventing water from unapproved sources, or any other substances, from entering the public potable water system.

III. RESPONSIBILITY

- A. The Zigzag Water Cooperative Board of Directors (ZZWCBD) shall be responsible for maintaining compliance per the Administrative Rules referred to in Section II above. If a Cross Connection exists at any residence, the homeowner will be required in writing by the Board to install an approved backflow device within 90 days at the homeowner's expense. Refusal to install such a device or conduct a required annual test (OAR 333-61-070 (1)(a)(A) shall constitute ground for disconnecting water service until compliance is achieved. The Board will publish fees and charges if any.

IV. DEFINITIONS

- A. Approved - Accepted by the ZZWCBD as meeting specifications suitable for the situation and cited in the State of Oregon regulations.
- B. Backflow - The flow of water or other liquids under positive or reduced pressure from a non-potable source into a potable water system.
- C. Double Check Valve Assembly - An assembly of two (2) independently operated spring loaded check valves with tightly closing shut off valves on each side of the check valves, plus properly located test cocks for the testing of each check valve.
- D. Backsiphonage - The flow of water or other liquids into the potable distribution system from a non-potable source caused by sudden reduction of the pressure in the potable system.
- E. Cross Connection - Any actual or potential connection between the public water supply and a source of contamination or pollution.
- F. Owner - Any person who has a legal title to property upon which a cross connection is present or may exist.
- G. Permit - A document required and issued by Clackamas County which allows for the installation and use of an approved backflow preventer.
- H. Potable - Water quality used for drinking water.
- I. Non-potable - Water quality that is contaminated with substances that may be harmful to the public health.
- J. Water Service Entrance - That point where the owner's water system is beyond the sanitary control of the ZZWC.
- K. Hose Bib Vacuum Breaker - an anti-siphon device permanently attached to a hose bib.

V. ADMINISTRATION

A. The ZZWC will operate a cross connection control program, to include the keeping of necessary records, which fulfills the requirements of the Oregon Health Division regulations.

B. The owner shall allow his property to be inspected for possible cross connection and follow the provisions of the ZigZag Water Cooperative Cross Connection Program.

VI. REQUIREMENTS

A. On new construction, Clackamas County will inspect plans and site to determine if a backflow preventer is required and issue a permit if needed.

B. On existing homes the ZZWCBD will perform on site inspections and notify the owner in writing if any corrective action is necessary.

C. The owner shall be responsible for the cost and elimination or isolation of all cross connections on his or her premises. The owner shall install only approved backflow preventers and only in a manner approved by the ZZWCBD. The owner has 90 days to comply after a cross connect is identified and the owner is notified in writing. The owner shall be responsible for an installation inspection notification, yearly testing of the backflow device and reporting the test results to the ZZWCBD.

VII. DEGREE OF HAZARD

The ZZWCBD recognizes the threat to the public water system arising from cross connections . All threats will be classified by degree of hazard and will require the installation of approved backflow prevention devices.

VIII EXISTING IN-USE BACKFLOW PREVENTION DEVICES

Any existing backflow preventer shall be allowed by the ZZWCBD to continue in service unless the degree of hazard is such as to supersede the effectiveness of the preventer, or result in an unreasonable risk to public health. Where the degree of hazard has increased, any backflow device must be replaced with an approved device for the new hazard.

IX. PERIODIC TESTING

All testable backflow devices shall be tested and inspected at least annually by a certified tester at the owner's expense.

X. RECORDS AND REPORTS

The ZZWCBD will maintain master files on customer's cross connection permits, inspections, testing, applications and listings of high and low hazard cross connections. Copies of lists, summaries and an Annual Summary of Cross Connection inspections will be submitted to the Oregon Health Division, as required.