

4101351

CROSS CONNECTION REGULATIONS
OF
TUMALO RIM WATER IMPROVEMENT DISTRICT

1998

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I. Purpose

1.1 The purpose of these Regulations is to protect the water supply of Tumalo Rim Water Improvement District ("The District") from contamination or pollution by isolating within its customers internal distribution system, contaminants or pollutants which could backflow or backsiphon into The District's system by requiring the elimination of all existing cross connections, actual or potential, between the potable water system and sources of non-potable water or other hazardous substances.

II. Definitions

2.1 Approved: Accepted by The District as meeting an applicable specification approved by The District.

2.2 Backflow: The flow of water or other liquids, mixtures or substances, under positive or reduced pressure into the distribution pipes of a potable water supply from any source other than its intended source.

2.3 Backflow Prevention Device: A device or means designed to prevent backflow or backsiphonage that has been approved by the Oregon Health Division. Backflow prevention devices are most commonly categorized as air gap, reduced pressure principle device, double check valve assembly, pressure vacuum breaker, atmospheric vacuum breaker, hose bibb vacuum breaker, and double check with intermediate atmospheric vent. Any device must be classified as an approved backflow device by the Oregon Health Division.

2.4 Backpressure: A condition in which the Owner's system pressure is greater than the supplier's system pressure.

2.5 Backsiphonage: The flow of water or other liquids, mixtures or substances into the distribution pipes of a potable water supply system from any source other than its intended source caused by the sudden reduction of the pressure in the potable water supply system.

2.6 Containment: A method of backflow prevention which requires a backflow prevention device at the water service entrance, i.e. at the water meter.

2.7 Contaminant: Any substance that will impair the quality of the water to a degree that it creates a serious health hazard to the public leading to poisoning or the spread of disease.

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2.8 Cross Connection: Any actual or potential connection between The District's water supply and a source of contamination or pollution.

2.9 Owner: Any person who has legal title to, or license to operate or habitat in, a property upon which a cross connection inspection is to be made or upon which a cross connection is present, or where a backflow prevention device is required, installed and/or inspected.

2.10 Person: Any individual, partnership, company, public, or private corporation, political subdivision or agency of the State of Oregon, agency or instrumentality or the United States or any other legal entity.

2.11 Pollutant: A foreign substance that, if permitted to get into the public water system, will degrade its quality so as to constitute a moderate hazard, or impair the usefulness or quality of the water to a degree which does not create an actual hazard to the public health but which does adversely and unreasonably effect such water for domestic use.

III. Cross Connections Regulated

3.1 No cross connection shall be created and installed, used, or maintained within The District.

IV. Requirements

4.1 Approved backflow prevention devices shall be installed at each property that is served by The District. Installation shall be according to the requirements described by The District which may include, but shall not be limited to, the type and location of the backflow device. All backflow devices shall be approved by the State of Oregon and The District. Cost of installation and maintenance shall be borne by each customer in a manner to be determined by The District.

4.2 All Owners shall allow their property to be inspected for possible cross connections.

4.3 The District may elect to have backflow prevention devices installed on a contract basis and charge the cost to homeowners as described in paragraph 4.1. The District may also have annual inspections performed in a like manner.

4.5 Owners shall not install a by-pass around any backflow prevention device unless there is a backflow prevention device of the same type on the by-pass. Owners shall not tamper with backflow devices.

4.6 Any Owner having a private well or other private water source, shall not allow a cross connection to The District's system. Permission to cross connect will be

denied by The District. The Owner may be required to install an additional backflow prevention device at the service entrance if a private water source is maintained, whether or not it is not cross connected to The District's system.

4.7 In the event the Owner installs plumbing to provide potable water for domestic purposes which is on The District's side of the backflow prevention device, such plumbing shall have its own backflow prevention device installed at Owner's expense.

4.8 Owner shall be responsible for the water quality beyond the outlet end of the containment device and shall utilize a backflow device for that purpose.

V. Existing In-Use Backflow Prevention Devices

5.1 Backflow prevention devices existing at the time of this regulation shall not be allowed by The District to continue in service. The District desires to have uniformity in the type and location of backflow prevention for the purposes of insuring the safety of the system, for ease of maintenance and to the lessen the cost of inspection and reporting. All existing backflow devices shall be removed by the Owner after an approved device has been installed at the approved location. In the event any backflow prevention device is existing upon the date of this regulation that is installed at the water meter of Owner, The District shall remove the existing backflow prevention device upon installation of the approved backflow prevention device, as described in this regulation.

VI. Periodic Testing

6.1 The District will operate a cross connection control program, to include the keeping of necessary records, which fulfills the requirements of the State of Oregon Public Health Division, Cross Connection Regulations.

6.2 All backflow devices shall be tested and inspected at least annually.

6.3 Testing shall be performed by a certified tester. The District may elect to contract out this work and bill homeowners for the service on an annual basis as described paragraphs 4.1 and 4.3. In the event testing is performed by the Owner, Owner shall provide a copy of the testing report to The District.

6.4 Any backflow prevention device which fails a periodic test will be repaired or replaced. When repairs are necessary, upon completion of the repair, the device will be retested to insure correct operation.

6.5 Backflow prevention devices will be tested more frequently than specified above if The District feels that there is a history of test failures. Cost of additional testing will be borne by the Owners as determined by The District.

VII. Records and Reports

7.1 The District will maintain the following records:

- 7.1.1 Master files on customer's cross connection tests and/or inspections.
- 7.1.2 Master files on cross connection installations.
- 7.1.3 Copies of lists and summaries supplied to the State of Oregon.

7.2 The District will submit to the State of Oregon an annual summary of cross connection inspections.

VIII. Fees and Charges

8.1 The District will notify homeowners in a timely manner of fees or charges for the requirements described in the Regulations.

IX. Costs of Compliance

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

X. Termination of Service

10.1 Failure on the part of any Owner to conform to the terms and conditions of this regulation and to physically separate cross connections or to eliminate backflow conditions is sufficient cause for immediate discontinuation of water service to the premises.

10.2 The District shall inform the Owner by letter of any failure to comply with this regulation. The District will allow fifteen (15) days for the correction. In the event the Owner fails to comply with necessary correction by the time of the second re-inspection, The District will inform the Owner by letter that the water service to the Owner's premises will be terminated within a period not to exceed five (5) days. In the event that the Owner informs The District of extenuating circumstances as to why the correction has not been made, a time extension may be granted by The District but in no case will exceed an additional thirty (30) days. Notwithstanding the above, if The District determines at any time that a serious threat to The District water exists, water service will be terminated immediately.

XI. Effective Date

11.1 These Regulations shall be effective as of _____.

DATED this _____ day of _____, ¹⁹⁹⁹~~1998~~.

**TUMALO RIM WATER
IMPROVEMENT DISTRICT**

By: _____
_____, Its _____

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