

ORDINANCE NO. 525
THE CITY OF SCIO ORDAINS AS FOLLOWS:

Pursuant to Chapter 333, Division 61 of the Oregon Administrative Rules, it is the responsibility of The City of Scio to protect its drinking water by instituting and enforcing a cross connection program.

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Part 1, 1:01 **Definitions**

- (1) **"Scio"** means "The City of Scio"
- (2) **"Cross Connection"** means any physical arrangement where a public water system is connected, directly or indirectly (actual or potential), with any other non-drinkable water system, used water system or auxiliary supply, sewer, drain conduit, swimming pool, storage reservoir, plumbing fixture, swamp coolers, air conditioner units, fire protection system, or any other assembly 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 assemblies, or other temporary or permanent assemblies through which, or because of which, backflow may occur are considered to be cross connections.
- (3) **"Approved Backflow Prevention Assembly"** means a device used to counteract backpressure or prevent backsiphonage. This device must appear on the list of approved assemblies issued by the Oregon State Health Division.
- (4) **"Auxiliary Water Supply"** means any water supply on, or available to, premises other than the City of Scio's approved public potable water supply.
- (5) **"Backflow"** means the flow of water or other liquids, gases or solids from any source back into the water distribution system of the City of Scio.
- (6) **"Certified Backflow Assembly Tester"** means a person who is certified by the Oregon State Health Division, or other approval agency, to test backflow prevention assemblies.
- (7) **"Certified Cross Connection Control Inspector"** means a person who is certified by the Oregon State Health Division, or other approval agency, to administer a cross connection control program and to conduct cross connection surveys/inspections.
- (8) **"Point-of-Use Isolation"** means the appropriate backflow prevention within the consumer's water system at the point at which the actual or potential cross connection exists.
- (9) **"Premises"** means any piece of land to which water is provided including all structures, improvements, mobile home(s) and structure's located on it.
- (10) **"Premises Isolation"** means the practice of protecting the public potable water supply by installing backflow prevention assemblies at or near the point where water enters the premises. This type of protection does not provide protection to personnel on the premises.

(11) **"Public Water System"** means any public or privately owned water system which supplies water for public use. The system must meet all the health requirements set forth by the state health division. The system will include all services, reservoirs, facilities, and any equipment used in the process of producing, treating, storing or conveying water for public consumption.

(12) **"Thermal Expansion"** means the pressure created by heated water or fluid that is not given the room to expand.

1:02 Purpose

The purpose of these regulations is to protect the water supply of the City of Scio from contamination or pollution due to any existing or potential cross connections.

1:03 Cross Connection Regulated

No cross connections shall be created, installed, used or maintained within the territory served by the City of Scio, except in accordance with these regulations.

1:04 Backflow Prevention Assembly Requirements

Approved backflow prevention assemblies shall be installed at the expense of the property owner either at the service connection or within the premise, as determined by a certified cross connection inspector employed by the City of Scio in each of the following circumstances.

- a) 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 in any way.
- b) On premises having any cross connections as that term is defined under definitions.
- c) Internal cross connections that are not correctable, or intricate plumbing arrangements which make it impractical to ascertain whether or not a cross connection exists.
- d) A repeated history of cross connections being established or reestablished.
- e) 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.
- f) Materials of a toxic or hazardous nature being used such that, if backflow should occur, a health hazard could result.
- g) Failure to fill out and return the cross connection report form.
- h) Fire sprinkler systems using non-potable piping.

- i) All new construction shall submit their plans to the water department for review and determination of the necessity of an assembly.
- j) On any premise where installation of an approved backflow prevention assembly is deemed to be necessary to accomplish the purpose of these regulations in the judgment of a certified cross connection inspector employed by the City of Scio.
- k) On any premise where an appropriate cross connection report form has not been filed with the office of the City of Scio.

1:05 Mobile Units

Any mobile apparatus which uses the City of Scio system or water from any premises within the City of Scio system must obtain a permit from the water district.

1:06 Wholesale Customers

Wholesale Customers will allow no cross connections to be created except in accordance with this document.

1:07 Multiple Connections

Where multiple connections exist to a property each connection will be required to have an assembly if any assembly is required.

1:08 Plumbing Code

All Unified Plumbing Codes must be maintained.

1:09 Installation Requirements

To ensure proper operation and accessibility of all backflow prevention assemblies, the City of Scio requires that all assembly installations must meet the requirements set out by the Oregon Health Division in the Oregon Administrative Rules Chapter 333, the Uniform Plumbing Code and in accordance with the U.S. Occupational Safety and Health Administration and The State of Oregon Safety and Health Codes, as well as the following requirements.

- (1) Assemblies must be installed at the point of delivery of the water supply, before any branch line, on private property located just inside the property line. Alternate locations must be approved in writing by the City of Scio prior to installations.
- (2) All backflow prevention assemblies to be installed shall be of a type and model pre-approved by the State of Oregon Health Division, and the City of Scio.
- (3) Only assemblies specifically approved by the State of Oregon Health Division for vertical installation may be installed vertically.

(4) If written permission is granted to install the backflow prevention assembly inside the building, the assembly shall be readily accessible during regular working hours of 8:00 a.m. to 5:00 p.m. Monday through Friday.

(5) Where a backflow prevention assembly is deemed necessary, the model of assembly and installation plans shall be submitted to the City of Scio for approval prior to installation.

(6) Upon completion of installation, the City of Scio shall be notified and all devices must be inspected and tested. All backflow prevention assemblies must be registered with the City of Scio. Registration shall consist of date of installation, make, model, serial number, and the initial test report.

(7) An air gap is not an approved means of cross connection protection in the Scio Water System.

Any variances from these installation requirements shall be requested in writing by the owner and approved by the City of Scio prior to installation of the assembly.

1:10 Access to Premises

Authorized employees of the City of Scio, with proper identification, shall have access during reasonable hours to all parts of a premise and within the building to which water is supplied. However, if any water user refuses access to a premise or to the interior of a structure at reasonable times and with reasonable notice for inspection by a cross connection inspector employed by the City of Scio, a reduced pressure principle assembly will be required to be installed at the service connection to that service.

1:11 Testing of Assemblies

The property owner shall be responsible to have the backflow prevention assembly tested by a certified backflow assembly tester at the time of installation, repair, or relocation and at least on an annual schedule thereafter or more often when required by the City of Scio. The property owner shall be responsible for any needed repairs.

1:12 Maintenance of Assemblies

It is the responsibility of the property owner to maintain protect the assemblies from freezing, flooding and other damage.

1:13 Thermal Expansion

It is the responsibility of the property owner to eliminate the possibility of thermal expansion.

1:14 Residential Service Connections

If a residential property has been determined to have an actual or potential cross connection, a backflow assembly will be required.

1:15 Rental Properties

All residential properties occupied by persons other than the owner shall install an approved backflow prevention assembly at the meter, or the property owner shall assume all responsibility for any backflow that should occur. It is the responsibility of the property owner to install, maintain, test, repair, etc., all assemblies. It is the property owners responsibility to notify the city when tenants change.

Part 2 2:01 Cross Connection Inspector and Backflow Assembly Tester Certification

Cross Connection Inspector's and Backflow Assembly Tester's operating within the City of Scio must be certified by the State of Oregon Health Department or other governing agency.

Part 3 3:01 Certified Backflow Prevention Assembly Tester Responsibilities

All backflow prevention assembly testers are required to be certified through the State of Oregon Health Department and to maintain liability insurance to test assemblies in the City of Scio water system.

Part 4 4:01 Cost of Compliance

All costs associated with purchase, installation, inspections, testing, replacement, maintenance, parts, and repairs of the backflow prevention assembly are the financial responsibility of the property owner.

Part 5 5:01 Installation Standards and Specifications

All installation plans are to be approved by the City of Scio prior to installation, and inspected by the City of Scio after installation.

5:02 Reduced Pressure Principle Assembly

All reduced pressure principle assemblies in the City of Scio water system shall be installed to the standards and specifications set out in the Oregon Administrative Rules Chapter 333, the Uniform Plumbing Code and this ordinance.

5:03 Double Check Valve Assembly

All double check valve assemblies in the City of Scio water system shall be installed to the standards and specifications set out in the Oregon Administrative Rules Chapter 333, the Uniform Plumbing Code and this ordinance.

5:04 Double Detector Check Valve Assembly

All double detector check valve assemblies in the City of Scio water system shall be installed to the standards and specifications set out in the Oregon Administrative Rules Chapter 333, the Uniform Plumbing Code and this ordinance.

5:05 Pressure Vacuum Breaker Assembly

All pressure vacuum breaker assemblies in the City of Scio water system shall be installed to the standards and specifications set out in the Oregon Administrative Rules Chapter 333, the Uniform Plumbing Code and this ordinance.

5:06 Atmospheric Vacuum Breaker Assembly

All atmospheric vacuum breaker assemblies in the City of Scio water system shall be installed to the standards and specifications set out in the Oregon Administrative Rules Chapter 333, the Uniform Plumbing Code and this ordinance.

5:07 Air Gap Separation

All air gap separations in the City of Scio water system shall be installed to the standards and specifications set out in the Oregon Administrative Rules Chapter 333, the Uniform Plumbing Code and this ordinance.

Part 6 6:01 Fire Systems

An approved double check valve assembly shall be the minimum protection for fire sprinkler systems using piping material that is not approved for potable water use and/or which does not provide for periodic flow-through during each 24 hour period, unless a variance has been issued in writing. An reduced pressure principle assembly must be installed if any solution other than the potable water can be introduced into the sprinkler system.

Part 7 7:01 Responsibilities

It is the responsibility of all property owners and their renters to abide by the conditions of this ordinance. In the event of any changes to the plumbing system, it is the responsibility of the property owners and their renters to notify the city. All costs associated with this ordinance and the purchase, installation, testing and repair of assemblies is the responsibility of the property owner.

Part 8 8:01 Enforcement and Penalties

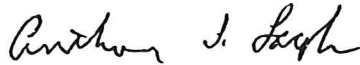
Failure on the part of any customer to abide by this ordinance shall be sufficient cause for the immediate discontinuance of public water service to the premises. (OAR chapter 333-061-070, section 1)

Part 9 9:01 Constitutionality and Saving Clause

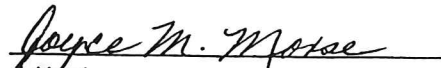
That if any provision, section, sentence, clause or phrase of this Ordinance or the application of same to any person or set of circumstances are for any reason held to be unconstitutional, void, invalid or for any reason unenforceable, the validity of the remaining portions of this Ordinance or its application to other persons or circumstances shall not be affected thereby, it being the intent of the City Council of the City of Scio in adopting this Ordinance that no portion hereof or provision or regulation contained herein shall become inoperative or fail by reason of any unconstitutionality or invalidity of any other portion, provision, or regulation.

Part 10 10:01 Effective Date

Adopted by the council this 19th day of February 1996



Anthony T. Lagler, Mayor


Attest