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CROSS CONNECTION ORDINANCE

FIELD SERVICES
DRINKING WATER PROGRAM

THE LOWER CHENOWITH WATER DISTRICT, ORDAINS AS FOLLOWS:

41-00870

Pursuant to Chapter 333, Division 61 of the Oregon Administrative Rules, it is the responsibility of the Lower Chenowith Water District to protect its drinking water by instituting and enforcing a cross connect program.

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1:01 DEFINITIONS

1-"CHENOWITH" means " Lower Chenowith Water District "

2-"Cross Connection" means any physical arrangement where a public water system is connected ,directly or indirectly , with any other 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 change over devices, or other temporary or permanent devices through which, or because of which, backflow may occur are considered to be cross connections.

(3) "Backflow" means the flow in the direction opposite to the normal flow or the introduction of any foreign liquids gases or substance into the water distribution system of the Lower Chenowith Water District.

(4) "Auxiliary Supply" means any water source or system other than the Lower Chenowith Water system, that may be available in the building or on the premises.

(5) "Approved Assembly" means an assembly to counteract back pressure or prevent back siphonage. This assembly must appear on the list of approved assemblies issued by the Oregon State Health Division.

(6) "Reduced Pressure Principle Assembly" shall mean an approved assembly containing two independently acting approved check valves together with a hydraulically-operated, mechanically independent pressure differential relief valve located between the check valve and at the same time below the first check valve. The assembly shall include properly located test cocks and tightly closing shut off valves at the end of the assembly.

(7) "Pressure Vacuum Breaker Assembly" means an approved assembly consisting of a spring loaded check valve loaded to closed position, an independently operating air inlet valve loaded to open position and installed as a unit with and between two resilient seated shutoff valves and with suitable connections for testing. It is designed to protect against back-siphonage only.

(8) "Double Check Valve Assembly" means an approved assembly consisting of two independently operating check valve, loaded to closed position by springs or weights and installed as a unit with, and between, two resilient seated shutoff valves and having suitable connections for testing.

(9) "Premises" means any piece of land to which water is provided including all structures, improvements, mobile homes and structure located on it.

1:02 PURPOSE

The purpose of these regulations is to protect the water supply of the Lower Chenowith Water District from contamination or pollution due to any existing or potential cross connection.

1:03 CROSS CONNECTIONS REGULATED

No cross connection shall be created, installed, used or maintained within the territory served by the Lower Chenowith Water District except in accordance with these regulation.

1:04 BACKFLOW PREVENTION ASSEMBLY REQUIREMENT

Approved backflow prevention assemblies shall be installed at the expense of the property owner, either at the service connection or within the premises, as determined by a certified water operator or cross connection inspector employed by the Lower Chenoweth Water District in each of the following circumstance.

- (1) If the nature and extent of any the 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.
- (2) On premises having any one or more cross connections as that term is defined in section 1:01 paragraph 2
- (3) Internal cross connections that are not correctable, or intricate plumbing arrangements which make it impractical to ascertain whether or not cross connection exist.
- (4) A repeated history of cross connection being established or re-established.
- (5) Unduly restricted entry so that inspections for cross connections cannot be made with sufficient frequency or with sufficient notice to assure cross connections do not exist.
- (6) Materials of a toxic or hazardous nature being used such that, if back siphonage should occur, a health hazard could exit.
- (7) At any master meter supplying water to multi-dwelling unit, mobile parks or R.V. enters
- (8) Any mobile apparatus which uses the Lower Chenoweth Water system or water from any premises within the system.
- (9) All Unified Plumbing Codes must be maintained.
- (10) All new construction shall submit their plans to the water department for review and determination of the necessity of an assembly.
- (11) On any premise where installation of an approved backflow prevention assembly is deemed to be necessary to accomplish the purpose of these regulations.
- (12) On any premise where an appropriate cross connection report form has not been filled out and returned to the Lower Chenoweth Water District office.

(13) On any premise 30 feet above the water meter.

1:05 INSTALLATION REQUIREMENTS

To ensure proper operation and accessibility of all backflow prevention assemblies, the following requirements shall apply to the installation of these assemblies.

(1) No part of the backflow prevention assembly shall be submerged in water or installed in a location subject to flooding. If installed in a vault or basement, adequate drainage shall be provided.

(2) Assemblies must be installed at the point of delivery of the water supply, before any branch in the line, on private property located just inside of the property line. Alternate locations must be approved in writing by the Lower Chenoweth District prior installations.

(3) The Assembly must be protected from freezing and other severe weather conditions.

(4) 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 Lower Chenoweth Water District.

(5) Only assemblies specifically approved by the Oregon Health Division for vertical installation may be installed vertically.

(6) The assembly shall be readily accessible with adequate room for maintenance and testing. Assemblies two inches and smaller shall have at least a six inch clearance on all side of the assembly. All assemblies larger than two inches shall a minimum clearance of twelve inches on the back side, twenty four inches on test clock side, twelve inches below inches below the assembly and thirty six inches above the assembly.

(7) If written permission is granted to install the back-flow assembly inside of 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.

(8) If an assembly with written permission, is installed inside of a premises and is 4' or larger and is installed 4" above the floor, it must be equipped with a rigidly and permanently installed scaffolding acceptable to the Lower Chenoweth Water District. This installation must also meet the requirements set out by U.S. Occupational Safety and Health Administration and The State of Oregon Occupational Safety and Health Codes.

(9) Reduced Pressure Principle Assemblies 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 assembly and shall be screened on both ends.

(10) An approved air space shall be located at the relief valve orifice. 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 1".

(11) Where a back assembly is deemed necessary, the model of assembly and installation plans shall be submitted to the Lower Chenoweth Water District for approval prior to installation.

(12) Upon completion of installation, the Lower Chenoweth Water District shall be notified and all assemblies must be inspected and tested. All backflow assemblies must be registered with the Lower Chenoweth Water District. Registration shall consist of date installation, make model, serial number of the backflow assembly, and initial test report.

1:05 INSTALLATION REQUIREMENTS

(13) The installation of a backflow prevention device on the water service line will eliminate the thermal expansion of hot water into the distribution system. Therefore, the Lower Chenoweth Water District hereby notifies the water user that it is the water users responsibility to maintain temperature pressure relief valves within the premise plumbing.

1:06 ACCESS TO PREMISES

Authorized employees of the Lower Chenoweth Water District, 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 property owner refuses access to a premise or to the interior of a structure at reasonable times and on reasonable notice for inspection by a cross connection specialist appointed by the Lower Chenoweth Water District, a reduced pressure principle assembly will be required to be installed at the service connection to that premise.

1:07 ANNUAL TESTING AND REPAIRS

All backflow assemblies installed within the territory served by the Lower Chenoweth Water District, shall be tested immediately upon installation and at least annually thereafter by a state certified tester. All such assemblies found not functioning properly shall be promptly repaired or replaced by property owner. If any such assembly is not promptly repaired or replaced, the Lower Chenoweth Water District, may deny or discontinue water to the premise. All testing and repairs are the financial responsibility of the property owner. Any tester operation within the territory served by the Lower Chenoweth Water District, must notify the Cross-Connection Control Inspector, 48 hours prior testing.

1:08 COSTS OF COMPLIANCE

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

1:09 TERMINATION OF SERVICE

Failure on the part of any customer to discontinue the use of cross connection except in accordance with this ordinance is sufficient cause for the immediate discontinuance of public water service to the premises. (OAR 333-061-070 Section 1).

1:010 CONSTITUTION AND SAVING CLAUSE

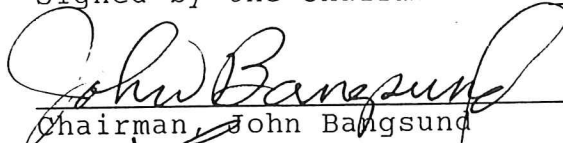
If any clause, sentence, paragraph, section, article, or portion of this ordinance shall, for any reason, be adjudged in-valid or unenforceable by a court of competent jurisdiction, the remainder of the ordinance shall remain in full force and effective.

(1) It is hereby adjudged and declared that the existing conditions are such that this ordinance is necessary for the immediate preservation of the public health and safety of the people of the Lower Chenowith Water District and an emergency is hereby declared to exist and this ordinance shall be in full force and effect from and after the date of its passage and approval by the Board of Directors of the Lower Chenowith Water District.

1:011 EFFECTIVE DATE

Adopted And Accepted this 14th day of June 1993.

Signed by the Chairman this 14th day of June 1993.


Chairman, John Bangsund


Secretary, Larry McMillan