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WICKIUP WATER DISTRICT
Resolution No. 91-01
(May 08, 1991)

WHEREAS, it is the goal of Wickiup Water District to provide safe, pure water to it's customers in conformance with all applicable laws and regulations; and

WHEREAS, cross connections constitute an unreasonable hazard to the health and safety of the District's individual users, and to the District's water supply system as a whole; and

WHEREAS, cross connections are barred by state regulations; and

WHEREAS, the board of directors has therefore determined an emergency exists;

NOW THEREFORE BE IT RESOLVED THAT the attached Ordinance 91-01, Cross Connection Regulations, is hereby adopted, ratified and approved, and is effective immediately.

IT IS FURTHER RESOLVED THAT the District maintenance supervisor take such steps as deemed reasonably necessary and convenient to begin implementation thereof.

DATED: May 8, 1991

C. Samuel Reeves
Secretary, Wickiup Water District

WICKIUP WATER DISTRICT
Ordinance No. 91-61
(May 8, 1991)

WICKIUP WATER DISTRICT'S
CROSS CONNECTION REGULATIONS

Pursuant to Chapter 333, Division 61 of the Oregon Administrative Rules, it is the responsibility of Wickiup Water District to protect its drinking water by instituting and enforcing a cross connection program. Therefore, the following regulations are hereby adopted:

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1:01 DEFINITIONS

(1) "District" means Wickiup Water District.

(2) "Cross-Connection" means any physical arrangement where a public water system is connected, directly or indirectly, with any other non-drinkable 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 substances into the water system of District.

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

(5) "Approved backflow prevention device" means a device to counteract back pressures or prevent back siphonage. This device must appear on the list of approved devices issued by the Oregon State Health Division.

(6) "Reduced pressure principle device" shall mean an assembly containing two independently acting approved check valves together with an hydraulically-operated, mechanically independent pressure differential relief valve located between the check valves and at the same time below the first check valve. The device shall include properly located test cocks and tightly closing shut off valves at the end of the assembly. A check valve is approved if it appears on the list of approved devices issued by the Oregon State Health Division.

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

1:02 PURPOSE

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

1:03 CROSS CONNECTIONS REGULATED

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

1:04 BACKFLOW PREVENTION DEVICE REQUIREMENT

Approved backflow prevention devices shall be installed at the expense of the user, either at the service connection or within the premises, as determined by a certified cross connection inspector employed by the District in each of the following circumstances:

(1) 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.

(2) On premises having any one or more cross connections as that term is defined in Section 1:01, Paragraph 4.

(a) Internal cross connections that are not correctable, or intricate plumbing arrangements which make it impractic-

cal to ascertain whether or not cross connections exist.

- (b) A repeated history of cross connections being established or re-established.
 - (c) 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.
 - (d) Materials of a toxic or hazardous nature being used such that, if back siphonage should occur, a health hazard could result.
- (3) Any mobile apparatus which uses the District system or water from any premises within the District system.
- (4) On any premises where installation of an approved backflow prevention device is deemed to be necessary to accomplish the purpose of these regulations in the judgment of a certified cross connection specialist employed by the District.
- (5) On any premises where an appropriate cross connection report form has not been filed with the office of the District.

1:05 INSTALLATION REQUIREMENTS

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

- (1) No part of the backflow prevention device shall be submerged in water or any other substance, or installed in a location subject to flooding of any kind. If installed in a vault or basement, adequate drainage shall be provided.
- (2) Devices 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 District prior to installations.
- (3) The device must be protected from freezing and other severe weather conditions.
- (4) All backflow device prevention assemblies shall be of a type and model approved by the State of Oregon, Health Division and the Wickiup Water District.
- (5) Only devices specifically approved by The Oregon Health Division for vertical installation may be installed vertically.

(6) The device shall be readily accessible with adequate room for maintenance and testing. Devices 2" and smaller shall have at least 6" clearance on all sides of the device. All devices larger than 2" shall have a minimum clearance of 12" on the back side, 24" on the test cock side, 12" below the device and 36" above the device.

(7) The property owner assumes all responsibility for all maintenance and annual testing of the device.

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

(9) If a device, with written permission, is installed inside of the 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 District. This installation must also meet the requirement set out by the U.S. Occupational Safety and Health Administration and the State of Oregon Occupational Safety and Health Codes.

(10) RP devices 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 device and shall be screened on both ends.

(11) An approved air gap 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".

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

(13) An air gap is not an approved means of cross connection protection in the District, without specific District approval.

(14) All new construction shall install an approved backflow device at the service connection.

1:06 ACCESS TO PREMISES

Authorized employees of the 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 water user 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 District, a reduced pressure principle device will be required to be installed at the service connection to that premise.

1:07 ANNUAL TESTING AND REPAIRS

All backflow devices installed within the territory served by the District shall be tested immediately upon installation and annually thereafter by a state certified tester. All such devices found not functioning properly shall be promptly repaired or replaced by the water user. If any such device is not promptly repaired or replaced, the District may deny or discontinue water to the premise. All testing and repairs are the financial responsibility of the water user.

1:08 VARIANCES

Any variances from these requirements shall be requested in writing by the owner and approved by the District prior to device installation.

1:09 COST OF COMPLIANCE

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

1:10 TERMINATION OF SERVICE

All use of cross connections within the District shall be discontinued. Failure on the part of any customer to do so, and to physically separate cross connections is sufficient cause for the immediate discontinuance of public water service to the premises. (OAR Chapter 333-061-070, Section 1)

1:11 ADMINISTRATOR

This ordinance shall be administered by the District Maintenance Supervisor. The maintenance Supervisor shall be required to have or acquire such training and certification in cross connections as necessary for the Wickiup Water District to comply with Oregon law.

The cost of such training and certification shall be borne by the District, at the discretion of the Board of Directors.

1:12 STATE REGULATIONS PREVAIL

In the event that this ordinance conflicts with the provisions of ORS Chapter 418, or Oregon Administrative Rules 333-61-005, 333-61-020, 333-61-070, 333-61-099, as from time to time amended, those provisions shall prevail over the terms of this ordinance.

The balance of the provisions herein, insofar as not voided by such statutes or administrative rules, shall be interpreted so as to give them effect, consistent therewith.

1:13 EFFECTIVE DATE, EMERGENCY

These regulations relate to a matter of public health and safety. An emergency is hereby declared and they shall be effective as of May 8, 1991.