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**WESTPORT WATER ASSOCIATION
CROSS CONNECTION RULE**

A RULE TO PROTECT THE WATER SUPPLY OF WESTPORT WATER ASSOCIATION FROM CONTAMINATION OR POLLUTION DUE TO ANY EXISTING OR POTENTIAL CROSS CONNECTION; DEFINING AND DESCRIBING ASSEMBLY AND INSTALLATION REQUIREMENTS; PROVIDING FOR PREMISES ACCESS; TESTING AND REPAIR OF ASSEMBLIES; AND COMPLIANCE COSTS WITH PENALTIES FOR FAILURE TO COMPLY.

WESTPORT WATER ASSOCIATION ORDAINS AS FOLLOWS:

Section 1. Definitions:

1. "Approved backflow prevention assembly" means an assembly to counteract backpressure or prevent backsiphonage. This assembly must appear on the list of approved assemblies issues by the Oregon Health Division.
2. "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.
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 Westport Water Association's water.
4. "Association" or "the Association" means Westport Water Association.
5. "Contamination" means the entry into or presence in a public water supply system of any substance which may be harmful to health and/or quality of the water.
6. "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 cooler, or any other device with contains, or any contain, contaminated water, sewage, or other liquid or 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
7. "Degree of hazard" shall be derived from the evaluation of a health, system, plumbing, or pollution hazard.
8. "Health hazard" means an actual or potential threat of contamination of a physical or toxic nature to the public potable water system or the consumer's potable water system that would be a danger to health.
9. "Plumbing hazard" means an actual or potential threat to the physical properties of the water system or the potability of the public or the consumer's potable water system but which would

not constitute a health or system hazard, as defined. The maximum degree of intensity of pollution to which the potable water system could be degraded under this definition would cause a nuisance or be aesthetically objectionable or could cause minor damage to the system or its appurtenances.

10. "Pollutional hazard" means an actual or potential threat to the physical properties of the water system or the potability of the public or the consumer's potable water system but which would not constitute a health or system hazard, as defined. The maximum degree of intensity of pollution to which the potable water system could be degraded under this definition would cause a nuisance or be aesthetically objectionable or could cause minor damage to the system or its appurtenances.
11. "Board" or "Board of Directors" means the Board of Directors of Westport Water Association.
12. "System hazard" means an actual or potential threat of severe danger to the physical properties of the public or consumer's potable water system or of the pollution or contamination which would have a detrimental effect of the potable water in the system.
13. "Potable water supply" means any system of water supply intended or used for human consumption or other domestic use.
14. "Premises" means any piece of land to which water is provided including all improvements, mobile home(s) and structures located on it.
15. "Reduced pressure principle assembly" shall mean an assembly containing two, independently acting, approved check valves together with a hydraulically operated, mechanically independent, pressure differential relief valve located between the check valves. The assembly shall include properly located test clocks 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 assemblies issued by the Oregon Health Division.

Section 2. No cross connections shall be created, installed, used or maintained within the boundaries of Westport Water Association jurisdiction, except in accordance with this rule.

Section 3. Approved backflow prevention assemblies 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 Westport Water Association whenever:

1. The nature and extent of any activity of the premises, or the materials used in connection with any activity of the premises, or materials stored on the premises, could contaminate or pollute the drinking water supply.
2. Premises having any one or more cross connections as that term is defined in Section 1, (6) are identified or are present.
3. Internal cross connections that are not correctable, or intricate plumbing arrangements which make it impractical to ascertain whether or not cross connections exist are present.

4. There is a repeated history of cross connections being established or re-established.
5. There is 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.
6. Materials of a toxic or hazardous nature are being used such that, if backflow should occur, a health hazard could result.
7. Any mobile apparatus which uses Association Water or water from any premises with the boundaries of Westport Water Association jurisdiction.
8. Installation of an approved backflow prevention assembly is deemed to be necessary to accomplish the purpose of these regulations in the judgement of a certified cross connection specialist employed by Westport Water Association.
9. A fire sprinkler system using non-potable piping material is connected to the Association's water system.
10. All residential properties occupied by persons other than the property owner shall install an approved backflow prevention assembly, or the property owner shall assume all responsibility for any backflow that should occur.
11. All service connections 2 inches and larger will be required to have a minimum of a double check valve assembly or as directed by the Board of Directors.

Section 4. 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 Board of Directors of Westport Water Association.
3. The assembly must be protected from freezing and other severe weather conditions.
4. All backflow prevention assemblies shall be of a type and model approved by the Oregon Health Division and Westport Water Association.
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 eight inch clearance on all sides of the assembly. All assemblies larger than two inches shall have a minimum clearance of 12 inches of the back side, 24 inches on the test cock side, 23 inches below the assembly and 36 inches of the back side, 24 inches on the test cock side, 12 inches below the assembly and 36 inches

above the assembly. "Y" pattern double check valve assemblies shall be installed so that the checks are horizontal and the test cocks face upward (see example following).

7. The property owner assumes all responsibility for all maintenance and testing of the assembly, as determined and required by Westport Water Association.
8. If written permission is granted to install the backflow 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.
9. If an assembly, with written permission, is installed inside of the premise and is four inches or larger and installed four feet above the floor, it must be equipped with a rigidly and permanently installed scaffolding acceptable to the Association. This installation must also meet the requirements set out by the U.S. Occupational Safety and Health Administration and the State of Oregon Occupational Safety and Health Codes.
10. 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 one inch.
11. A backflow permit shall be obtained by the property owner prior to any new backflow assembly installation. With the permit, the owner and /or contractor will be provided with an Association cross connection rule and will be advised as to the minimum type of backflow assembly required and as to the locations that will be acceptable to the Board.
12. Upon completion of installation, the Board shall be notified and all assemblies must be inspected and tested. All Backflow prevention assemblies must be registered with the Association. Registration shall consist of date of installation, make model, serial number of the backflow assembly, and initial test report.
13. Any water pressure drop caused by the installation of a backflow assembly is not the responsibility of Westport Water Association.
14. It is the responsibility of the property owner to eliminate the possibility of thermal expansion if a closed system has been created by the installation of a backflow assembly.
15. All new plumbing construction shall be evaluated as to the need for a backflow assembly before the issuance of all plumbing permits within the boundaries of Westport Water Association jurisdiction.

Section 5. Authorized employees of Westport Water Association, with proper identification, shall have access during reasonable hours to all parts of the premises and within the building to which water is supplied. However, if any water user refuses access to the premises or to the interior of a structure at a reasonable times and on reasonable times and on a reasonable notice for inspection by a cross connection specialist appointed by the City, a reduced pressure principle assembly will be required to be installed at the service connection to the premises.

Section 6. All backflow assemblies installed within the jurisdiction of Westport Water Association shall be tested immediately after installation and then annually on or before the anniversary date by a

state-certified tester. The Association will send out notices of reminder that a test is due. If the test is not completed within 15 days after the anniversary date, a second notice in the form of a registered letter, return receipt requested will be sent. If the backflow assembly is not tested within 15 days of the second and final notice, the water service will be disconnected from the Association Water system. Westport Water Association retains the right to have the assembly tested in special circumstances, rather than terminating the water service. Special circumstances may consist of, but are not limited to, retirement homes, rental homes, hospitals, group homes, homes in which water dependent devices are in use (such as kidney dialysis machines), or any other circumstance where the Association deems, it a health risk to terminate water service.

Forty-eight hour notice shall be given prior to all backflow testing to the Board of Directors of Westport Water Association. This notice is required as to allow the Association cross connection inspector to be on site to observe the test. If the owner, tester, or contractor fails to comply with this 48-hour notice, the Association will not accept the device and a re-test will be required in the presence of an Association inspector. All backflow assemblies found not functioning properly shall be promptly repaired or replaced by the water user. If any such assembly is not promptly repaired or replaced, Westport Water Association may deny or discontinue water to the premises. All testing and repairs are the financial responsibility of the water user.

Section 7. All cost associated with purchase, installation, inspection, testing, replacement, maintenance, parts, and repair of the backflow assembly are the financial responsibility of the property owner.

Section 8. Failure on the part of any customer to discontinue the use of all cross connections and to physically separate cross connections is sufficient cause for the immediate discontinue of public water service to the premises (OAR Chapter 333-061-070, Section 1).

Approved and adopted by the Board of Directors of Westport Water Association on 4-20-98
Date

Chairman Carl Selunde

Secretary Lela A. O'Reilly

The owner of premises served with water will be primarily liable for payment of water service charges. At the written request of the owner, the Board may bill occupants of rented or leased property directly. Acceptance of payment for water services from a tenant or occupant shall not be construed to relieve the owner of liability. All payments must be made to Westport by mail or in person.

Water service may be cancelled or refused for persistent failure to pay charges when due. Collection of delinquent accounts may be undertaken without additional notice to the user. Bills may be assigned for collection or submitted to a court of competent jurisdiction, at the discretion of the Board. All delinquent accounts shall bear interest at the maximum rate permitted by law, and where collection is necessary, a penalty of 10% of the delinquent amount or the actual cost of collection, whichever is greater, shall be assessed to cover the costs of collection.

Section 4. PRESSURE REGULATION:

Westport will endeavor to furnish water at desirable service pressure. Where service pressures are higher than needed, or desired, customers shall install and maintain within their premises any required pressure regulators. Westport will not be responsible for damages or difficulties caused by variations in pressure within the system.

Section 5. INSTALLATION, MAINTENANCE, AND REPAIR OF CUSTOMERS' LINES:

Customers shall install, maintain and repair all piping between the main line and premises served at a depth sufficient to protect them from damage and freezing. In no case shall the cover be less than two feet. Repair of leakage on these lines shall be at the expense of the user. Also, the user shall be responsible for the proper maintenance and repair of stop and waste valves, gate valves, pressure regulators, plumbing fixtures, etc., within the premises.

Section 6. WATER DAMAGES OR INJURIES WITHIN PROPERTY:

Westport shall not be liable for any damage or injury for leakage or the running of water on the premises for pipe, plumbing fixtures, open faucets, valves, fixtures, devices, appurtenances, and hoses located between the main line and the premises served.

Section 7. PLUMBING AND CROSS CONNECTIONS:

All plumbing within buildings served must be so installed and all plumbing fixtures so constructed as to prevent pollution of water supply by back siphonage or cross connections. Water service to any premises known or found to have defects and hazards will be disconnected, and defects and hazards are to be repaired immediately by owner. Westport will require strict compliance with all applicable state plumbing and health codes.