

ORDINANCE # 374

AN AMENDMENT TO SECTION 13.3.2 OF ORDINANCE #181 TOWN OF YACOLT WATER ORDINANCE

PURSUANT to WAC 246.290.490. of The Washington Administrative Code, and the most current Cross Control Manual, accepted procedure and practice, published by the Pacific Northwest Section, American Water Works Association, it is the responsibility of the Town of Yacolt to protect its drinking water by instituting and enforcing a cross connection control program.

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*put in  
Ord. BOOK*

1:01 **Purpose:**

The purpose of these regulations is to protect the health of the water consumers and the potability of the water supply of the Town of Yacolt from contamination or pollution due to any existing or potential cross connections.

1:02 **Definitions:**

- (1) Yacolt Water Department - owned and operated by the Town of Yacolt.
- (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, private wells or springs 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

1.02

arrangements, jumper connections, removable sections, swivels 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 reverse direction to the intended normal flow or the introduction of any foreign liquids, gases, or substances into the water distribution system of the Town of Yacolt Water Department. Backflow consists of back pressure and back siphonage.
- (4) "Auxiliary" Supply" means any water source or system other than the Town of Yacolt Water System that may be available in the building or on the premises.
- (5) "Approved Assembly" means an assembly to counteract backflow (back pressure, back siphonage) which must appear on the list of approved assemblies issued by the Washington State Department of Health.
- (6) "Reduced Pressure Principle assembly" (RPBA) shall mean an approved assembly consisting of two independently acting approved check valves together with a 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 4 properly located test cocks and be installed as a unit with, and between, two tightly closing resilient seated shut off valves.
- (7) "Double check valve assembly" (DCVA) shall mean an approved assembly consisting of two independently operating check valves, loaded to the closed position by springs or weights, and installed as a unit with, and between two resilient seated shut off valves and having 4 properly located test cocks.
- (8) "Pressure Vacuum Breaker Assembly" (PVBA) shall mean an approved assembly consisting of a spring loaded check valve loaded to the closed position an independently operating air inlet valve loaded

to the open position and installed as a unit with, and between , two resilient seated shutoff valves and with 2 test cocks, properly located for testing.

- (9) "Atmospheric Vacuum Breaker" (AVB) shall mean a float check (poppet), a check seat and air inlet port. The device allows air to enter the water line when the line pressure is reduced to a gauge pressure of zero or below. AVB.s are not acceptable for premises or service protection except for lawn sprinkler systems. It is designed to protect against back siphonage only.
  
- (10) "Air Gap" shall mean approved physical separation between the free flowing discharge end of a potable water supply pipeline, and the overflow rim of an open or non pressure receiving vessel. These separations must be vertically oriented a distance of at least twice the diameter of the inlet pipe, but never less than one inch.
  
- (11) "Premises" means any piece of land, complex building, Structure Etc, to which public water is provided.

1:03

**Cross Connection regulated**

All cross connections must be protected by an approved back flow assembly commensurate with degree of hazard or have the cross connection physically removed from the Public Water System, any cross connection - protected or not - is the responsibility and liability of the water user.

1:04

**Back Flow Prevention assembly requirements**

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 the public works supervisor or

their assigns or delegates employed by the Town of Yacolt 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 in any way.
- (2) On premises having one or more cross connections.
- (3) Internal cross connections that are not correctable or intricate plumbing which make it impractical to ascertain whether or not cross connections exist.
- (4) A repeated history of cross connections being established or reestablished.
- (5) 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 being used such that, if back flow could occur, a health or system hazard could result.
- (7) Any mobile apparatus which uses public water from the Town of Yacolt water system or water from any premises within the system.
- (8) Any irrigation system
- (9) Any fire service or fire sprinkler system or systems
- (10) All uniform plumbing codes must be adhered to.
- (11) All construction, new, remodel, commercial, business, industrial, and private homes shall submit their plans to Public Works Supervisor, Town of Yacolt or their assigns

for review and determination of the necessity of backflow protection.

- (12) On any premises where installation of an approved backflow prevention assembly is deemed to be necessary to accomplish the purpose of these regulations in the judgement of the public works supervisor or their assigns.
- (13) On others as found through routine inspections where an appropriate cross connection report form has not been filed with the office of Town of Yacolt Water Department.
- (14) Failure to comply with the requirements of the Public Works supervisor or their assigns is grounds for termination of Water Service.

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 approved drainage shall be provided.
- (2) Assemblies must be installed at the point of Cross Connection or the property line, which ever is approved by the Town of Yacolt Public Works Supervisor or their assigns.
- (3) The assembly must be protected from freezing and other severe weather conditions and vehicular traffic.
- (4) All backflow prevention assemblies to be installed shall be of a type and model approved by the Washington State department of health and Town of Yacolt.

- (5) The assembly shall be readily accessible with adequate room for maintenance and testing. Assemblies 2" and smaller shall have at least 6" clearance on all sides of the assembly. All assemblies larger than 2" shall have a minimum clearance of 12" on the back side, 24" the test cock side 12" below the assembly and 36" above the assembly.
- (6) If the backflow assembly is inside of a building, the assembly shall be readily accessible during regular working hours.
- (7) If an assembly is installed inside a building and more than 5' above the floor, it must be equipped with a rigid and permanent installed scaffolding acceptable to the Town of Yacolt Water Department. This installation must also meet the current requirement set out by the U.S. occupational Safety and Health Administration and the State of Washington occupational Safety and Health Codes.
- (8) On an RPBA air gap shall be located at the relief valve vent. This air gap shall be at least twice the inside diameter of the incoming supply line or measured vertically above the top rim of the drain and in no case less than 1".
- (9) Where a backflow assembly is deemed necessary, the model of the assembly and installation plans shall be submitted to Town of Yacolt Water Dept. for approval prior to installation.
- (10) When completion of installation, the Town of Yacolt shall be notified. All backflow assemblies must be registered with the Town of Yacolt. Registration shall consist of make, model, size, location of the backflow assembly and the initial test report.

1:06

**Access to Premises**

Authorized employees of the Town of Yacolt or their assigns shall have access during reasonable hours to all parts of a premises and within the building or complex to which public water is supplied. However, if any water user refuses access to a premise or to the interior of a structure at reasonable times for inspection by a cross connection specialist appointed by Town of Yacolt a reduced pressure principle backflow assembly will be required to be installed at the service connection to that premise.

1:07

**Annual testing and or repairs**

All backflow assemblies installed within the service boundries and served by the Town of Yacolt Water Department shall be tested immediately upon installation and at least annually thereafter by a Washington State certified backflow assembly tester. All such devices found to be not functioning properly shall be promptly repaired or replaced. If any such assembly is not promptly repaired or replaced, the Town of Yacolt may deny or discontinue water to the premises. All testing and repairs are the responsibility of the water user.

1:08

**Costs Of Compliances**

All costs associated with any cross connections, purchase, of devices, installation, inspections, testing, replacement, maintenance, parts and or repairs of the backflow preventer, are the responsibility of the water user.

1:09

**Termination of service**

Failure on the part of any customer to comply with this Ordinance is sufficient

cause for the immediate discontinuance of  
Public Water Service to the Premises.

1:10

Effective Date  
Resolved by the Yacolt Town Council  
this 16 day of MARCH 1998.

AYES COUNCILMEMBERS MILMAN, KASKI, MESSER, ROBERTSON, SMITH

NAYES NONE

ABSENT NONE

MAYOR *Thomas Case* ATTEST *Irene Christiansen*

I hereby certify that this is a true and correct copy of  
Ordinance # 374 as read before Council and passed on date  
herein metioned and passed according to law.

*Irene Christiansen*  
Irene Christiansen  
Clerk/Treasurer