

OCEANSIDE WATER DISTRICT

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ORDINANCE 22-1, AMENDING ORDINANCE 96-1

CROSS CONNECTION CONTROL

MODEL PROGRAM

I PURPOSE

- A. To protect the public potable water supply served by the Oceanside Water District (OWD), which includes PWS # 41-00585 (Oceanside water system) and PWS # 41-00882 (Cape Meares water system), from the possibility of contamination or pollution by isolating, within its customers internal distribution system, such contaminates or pollutants which could backflow into the public water system.
- B. To promote the elimination of, or control of, existing cross connections, actual or potential, between the potable water system and sources on non-potable water or other hazardous substances.
- C. To provide for the maintenance of a continuing program of cross connection control which will effectively prevent the contamination or pollution of an Oceanside Water District system by cross connection.

II AUTHORITY

- A. The Federal Safe Drinking Water Act of 1974, and the statutes of the State of Oregon, Administrative Rules Chapters #333-61-070, and #333-61-072 state that the water supplier has the primary responsibility for the preventing of water from unapproved/approved sources, or any other substances, from entering the public potable water system.
- B. The Oceanside Water District, Rules and Regulations, adopted.

III RESPONSIBILITY

The Oceanside Water District shall be responsible for the protection of the public potable water distribution system from contamination or pollution due to the Backflow of contaminants or Pollutants through the water service connection. If in the judgment of the Oceanside Water District, an approved Backflow Preventor is required at the District's water connection to any customer's premises. The Oceanside Water District, or its delegated agent, shall give notice in writing to said customer to install an approved Backflow Preventer at each service connection to their premises. The customer shall,

within ninety (90) days, install such approved Backflow Preventer, or preventers, at their own expense, and failure or refusal, or inability on the part of the customer to install said Backflow Preventer or preventers within ninety (90) days, shall constitute a ground for discontinuing water service to the premises until such backflow preventer or preventers have been properly installed.

IV DEFINITIONS

- A. Approved.
Accepted by the State of Oregon Public Health Division as meeting an applicable specification stated or cited in this regulation, or as suitable for the proposed use.
- B. Auxiliary Water Supply.
Any water supply, on or available, to the premises other than the supplier's approved public potable water supply.
- C. Backflow.
The flow of water or other liquids, gases, or solids from any source back into the distribution piping of the public potable water supply.
- D. Backflow Preventer.
An apparatus that prevents backflow, such as a Backflow Prevention Assembly or a Backflow Prevention Device.
- E. Backflow Prevention Assembly.
A backflow preventer such as a pressure vacuum breaker, a double check valve, or a reduced pressure principle assembly, that has attached resilient seated shut-off valves on the inlet and outlet ends of the assembly and appropriate test cocks for testing the assembly.
 - E. 1 Atmospheric Vacuum Breaker Assembly (to be installed only with OWD approval).
A device which contains a float check (poppet), a check seat, and an air inlet vent. When water pressure is reduced to a gauge pressure of zero or below, air enters the assembly, preventing back-siphonage. It is designed to protect against back-siphonage only.
 - E.2 Double Check Valve Assembly.
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 suitable connections for testing.
 - E.3 Pressure Vacuum Breaker Assembly.
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 shut-off valves and with suitable connections for testing. It is designed to protect against back-siphonage only.
 - E.4 Reduced Pressure Principle Backflow Assembly.

A backflow prevention assembly consisting of two independently acting internally loaded check valves, a differential pressure-relief valve, four properly located test cocks, and two isolation valves. This assembly can protect against high or low-degrees of hazard and prevents both back-siphonage and backpressure.

F. Backflow Prevention Device.

Any backflow preventor listed above that is non-testable, meaning it has no shutoff valves or test cocks.

F.1 Hose Bibb Vacuum Breaker.

A device permanently attached to a hose bibb which acts as an atmospheric vacuum breaker.

F.2 Single Check Valve Backflow Prevention Device.

An approved backflow preventer consisting of one independently operating check valve, loaded to the closed position by springs or weights.

F.3 Double Check Valve with Intermediate Atmospheric Vent.

A device having two (2) spring loaded check valves separated by an atmospheric vent chamber.

G. Backpressure.

Water pressure which exceeds the operating pressure of the public potable water supply.

H. Back-siphonage.

Backflow due to a negative or reduced pressure within the public potable water supply.

I. Containment.

A method of backflow prevention which requires a backflow preventer at the water service entrance.

J. Contaminant.

Any substance that will impair the quality of the water to a degree that it creates a serious health hazard to the public leading to poisoning or the spread of disease.

K. Cross Connection.

A point in the plumbing system where the public potable water supply is connected directly, or has the potential of being connected, to a source of non-potable substance that is not a part of the public potable water supply.

L. Cross Connection Specialist.

The Utility, or their delegated representative of the Oceanside Water District, is invested with the authority and responsibility for the implementation of a cross connection control program and for the enforcement of the provisions of the Ordinance.

M. Division.

The State of Oregon Public Health Division.

- N. Fixture Isolation.
A method of backflow prevention in which a backflow preventer is located to correct a cross connection at an in-premises location rather than at a water service entrance.
- O. Owner.
Any person who has legal title to, or license to operate or inhabit in, a property upon which a cross connection inspection is to be made or upon which a cross connection is present.
- P. Person.
Any individual, partnership, company, public, or private corporation, political subdivision or agency of the State Division, agency or instrumentality of the United States or any other legal entity.
- Q. Permit.
A document issued by Oceanside Water District which allows the use of a backflow preventer.
- R. Pollutant.
A foreign substance that, if permitted to get into the public water system, will degrade its quality to a moderate hazard, or impair the usefulness or quality of the water to a degree which does not create an actual public health hazard, but which does adversely and unreasonably effect such water for domestic use.
- S. Utility.
The Oceanside Water District (OWD).
- T. Safe Drinking Water Act (SDWA).
A principal federal law in the United States intended to ensure safe drinking water for the public.
- U. Water Service Entrance.
The point in the Owner's water system beyond the sanitary control of the District; generally considered to be the outlet end of the water meter and always before any unprotected branch.

V ADMINISTRATION

- A. The Oceanside Water District will operate a cross connection control program, to include the keeping of necessary records, which fulfills the requirements of the Division's Cross Connection Regulations and is approved by the Division.
- B. The Owner shall allow their property to be inspected for possible cross connections and shall follow the provisions of the Oceanside Water District program and the Division's regulations if a cross connection is identified. If the Owner denies entry onto the premises for cross connection inspection, a Reduced Pressure Principle Backflow Prevention Assembly will be required at the Owner's water meter at the Owner's expense.
- C. If the Oceanside Water District requires that the public supply be protected by Containment, the Owner shall be responsible for water quality beyond the outlet end

of the containment device and should utilize a Backflow Preventor for that purpose. The Owner may utilize public health officials, or personnel from the Oceanside Water District, or their delegated representatives, to assist in the survey of the facilities and to assist in the selection of proper fixture outlet assemblies or devices, and the proper installation of these assemblies or devices.

VI REQUIREMENTS

A. Utility.

1. On new installations, the Utility will provide an on-site evaluation and/or inspection of plans to determine the type of backflow preventer that will be required, will issue a permit, and perform inspections. In any case a minimum of a double check valve will be required in any new commercial or multiplex housing.
2. In addition to a meter and a customer valve, a Division approved Single Check Valve Backflow Prevention Device will be installed at all new connections starting January 1, 2023. This single check valve will be included in the connection fee determined by the Utility. The Utility will inform the Owner of the new connection if a testable backflow prevention assembly is needed in place of the single check valve device as stated above.
3. For premises existing prior to the start of this program, the Oceanside Water District will perform evaluations and inspections of plans and/or premises and inform the Owner by letter of any corrective action deemed necessary, the method of achieving the correction, and the time allowed for the correction to be made. Ordinarily, ninety (90) days will be shortened depending upon the degree of hazard involved and the history of the assemblies in question.
4. The Oceanside Water District will not allow any cross connection to remain unless it is protected by an approved Backflow Prevention Assembly for which a permit has been issued and which will be regularly tested to insure satisfactory operation.
5. The Oceanside Water District shall inform the Owner by letter of any failure to comply, within ten (10) working days of the first inspection. The Oceanside Water District will allow an additional fifteen (15) days for the correction. In the event the Owner fails to comply with the necessary correction by the time of the second re-inspection, the Utility will inform the Owner by letter that the water service to the Owner's premises will be terminated within a period not to exceed five (5) days. If the Owner informs the Utility of extenuating circumstances as to why the correction has not been made, a time extension may be granted by the Utility but in no case will exceed an additional thirty (30) days.
6. If the Utility determines at any time that a serious threat to the public health exists, the water service will be terminated immediately.

7. The Utility shall have on file a list of Private Contractors who are certified as backflow prevention assembly testers. All charges for these tests will be paid by the Owner of the building or property.
8. The Utility will begin initial premise inspections to determine the nature of existing or potential hazards, following the approval of this program by the Division, during the calendar year 1996 and annually thereafter. Initial focus will be on high hazard industries and commercial premises.
9. A copy of all backflow device inspections will be due to the Utility by September 1st of each year. As a courtesy to backflow device owners, the Utility will email out a letter on or about April 1st of each year. This letter will inform the owners of any new requirements concerning the Cross Connection Control Program and act as a reminder to the owners of backflow prevention assemblies of the September inspection due date.

B. Owner.

1. The Owner shall be responsible for the elimination or isolation of all cross connections on their premises.
2. The Owner, after having been informed by a letter from the Utility, shall at their own expense, install, maintain, and perform annual tests, of any and all Backflow Prevention Assemblies on their premises.
3. The Owner shall have corrected any malfunctions of the Backflow Prevention Assemblies and or Devices which is revealed by periodic testing or visual evidence.
4. The Owner shall inform the Utility of any proposed or modified cross connections and any existing cross connections of which the Owner is aware but has not been found by the Utility.
5. The Owner shall install a Backflow Prevention Assembly at their expense if the property contains the following, but is not limited to, a sprinkler or irrigation system, a fire suppression system, elevated piping greater than 30ft above the meter, in-floor heating connected to the potable water system, a hot tub, pool, or outdoor pond.
6. The Owner shall not install a by-pass around any backflow preventer unless there is a backflow preventer of the same type on the by-pass. owners shall not tamper with backflow assemblies.
7. The Owner shall install backflow preventers in a manner approved by the Utility.
8. The Owner shall install only backflow preventers approved by the Utility.

9. Any Owner having a private well or other private water source, must have a permit if the well or source is cross connected to the Utility's system. Permission to cross connect may be denied by the Utility. The Owner may be required to install a Backflow Preventer at the service entrance if a private water source is maintained, even if it is not cross connected to the Utility's system.
10. In the event the Owner installs plumbing to provide potable water for domestic purposes which is on the Utility's side of the backflow preventer, such plumbing must have its own Backflow Preventer installed.
11. The Owner will ensure that annual testing of their Backflow Prevention Assembly is completed by September 1st. All testing will be performed by an Oregon licensed tester and a copy of the test results will be due to the Utility by the September 1st due date. A \$50 penalty will be assessed to the owners account for each month, or portion thereafter, that the testing remains overdue. If an inspection is not performed by December 1st of the year following the September 1st due date, the Utility will shutoff water service and have the testing conducted and charge the owner for the cost of that test plus penalties.

VII DEGREE OF HAZARD

The Utility recognizes the threat to the public water system arising from cross connections. All threats will be classified by degree of hazard and will require the installations of approved backflow prevention assemblies.

VIII EXISTING IN-USE BACKFLOW PREVENTION ASSEMBLIES

Any existing Backflow Prevention Assembly or Device shall be allowed by the Utility to continue in service unless the degree of hazard is such as to supersede the effectiveness of the preventer or result in an unreasonable risk to the public health. Where the degree of hazard has increased, as in the case of a residential installation converting to a business establishment, any existing backflow assembly must be replaced with any approved assembly suitable for the degree of hazard.

IX PERIODIC TESTING

- A. All Backflow Prevention Assemblies shall be tested and inspected at least annually.
- B. Periodic testing shall be performed by a state certified tester from the list provided by the Utility. This testing will be done at the Owner's expense.
- C. Any Backflow Prevention Assembly which fails during a periodic test will be repaired or replaced. When repairs are necessary, upon completion of the repair the assembly will be re-tested at Owner's expense to insure correct operation. High hazard situations will not be allowed to continue if the backflow preventer fails the test and cannot be repaired immediately. In other situations, a compliance date of not more than thirty (30) days after the test date will be established. The Owner is responsible for spare parts, repair tools, or a replacement assembly. Parallel

installation of two (2) assemblies is an effective means of the Owner ensuring uninterrupted water service during testing or repair of assemblies and is strongly recommended when the Owner desires such continuity.

- D. Backflow Prevention Assemblies will be tested more frequently than specified in A. above if the Utility feels that there is a history of test failures. Cost of additional testing will be borne by the Owner.

X RECORDS AND REPORTS

A. Records.

The Utility will initiate and maintain the following:

1. Master files on customer's cross connection tests and/or inspections.
2. Master files on cross connection permits.
3. Copies of permits and permit applications.
4. Copies of lists and summaries supplied to the District.
5. Initial listing of low hazard cross connections.
6. Initial listing of high hazard cross connections.

B. Reports.

The Utility will submit an annual summary of cross connection inspections to the Division.

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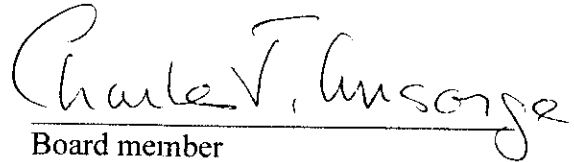
XI QUALIFIED BACKFLOW TESTERS

The Oceanside Water District will publish a list of qualified backflow testers and make the list available to the public upon request.

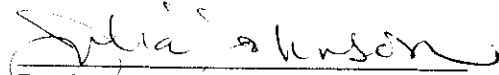
**PASSED AND APPROVED AS AMENDING ORDINANCE 96-1,
SECTION I PURPOSE, SECTION IV DEFINITIONS, and SECTION VI
REQUIREMENTS, THIS 15th DAY OF November 2022.**



Henry Wheeler, Chairperson
Oceanside Water District
Board of Commissioners



Board member
Oceanside Water District
Board of Commissioners



Review as to form:
Julie, Johnson
Office Manager