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Terrebonne Domestic Water District

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TECHNICAL SERVICES
DRINKING WATER PROGRAM

CROSS CONNECTION ORDINANCE

Administrative Health Division rule #333-61-070, Cross Connection Control Requirements, states "Water suppliers shall undertake programs for controlling and eliminating cross connections." To comply with State regulations the Terrebonne Domestic Water District has adopted this revised ordinance on July 14, 1999, to update the original District Cross Connection Ordinance of October 6, 1987.

The purpose of this ordinance is to protect the water supply of the Terrebonne Domestic Water District from contamination or pollution from actual or potential cross connections, and to assure the proper installation and testing of backflow assemblies where necessary.

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1. Definitions:

- (1) "Approved backflow prevention device or assembly" – a device installed in customer water line to prevent flow reversal due to backpressure or backsiphonage. This device must be on the list of approved devices published by the Oregon State Health Division.
- (2) "Auxiliary Supply" – any water source or system, other than the public water system, that may be available on the premises.
- (3) "Backflow" – the reversal of the flow of water, or mixtures of water and other liquids, gases, or other substances, from the customer piping into the distribution piping of the public water supply.
- (4) "Backpressure" – pressure created in customer piping by use of irrigation or other pumps installed by customer, steam or air/gas pressure, or elevation of customer piping – creating potential to force foreign substances into public water system.

- (5) "Backsiphonage" – the reversal of flow from customer piping to public water system due to reduction or loss of pressure in District piping.
- (6) "Contamination" – the entry into the public water system of any substance which may be harmful to health or to the quality of the water.
- (7) "Cross Connection" – any physical arrangement where the public water supply is connected, directly or indirectly, with any other water source or auxiliary supply – including but not limited to; irrigation systems using ditch water, private wells, cisterns etc. Connections to solar water heaters, hot-tubs, or spas, swamp coolers, underground sprinkler systems or any other device or vessel that may contain contaminated water, or other material of unknown or unsafe quality with the potential to contaminate the public water supply through backflow. Jumper connections, removable sections of pipe or hose, connections through valves or non-approved check – valves, or any other temporary or permanent devices through which, or because of which, backflow may occur are considered to be cross connections.
- (8) "Degree of Hazard" – determined by the evaluation of the type of contamination possible and the customer plumbing and equipment.
- (9) "District" – the Terrebonne Domestic Water District.
- (10) "Premises" – any piece of land to which the District provides water, including all improvements, structures, mobile homes, campers, trailers etc. that are located on the land.
- (11) "Public Water Supply" – the Terrebonne Domestic Water District.

2. Cross Connections Regulated:

No cross connection shall be created, installed, used or maintained within the service area of the Terrebonne Domestic Water District, except in accordance with this ordinance. Hose connected sprayers, radiator flush devices, drain cleaners etc. may not be connected to any hose bib on a premises served by the District.

3. Backflow Assembly Requirements:

- (1) An approved backflow assembly shall be installed at the service connection to any premises where the District has identified an actual or potential cross connection.
- (2) Backflow assemblies shall be installed directly after water meter wherever possible.

- (3) Any mobile apparatus which uses District water, or water from any premises served by District water, shall first obtain a permit from the District and comply with all restrictions, and any fees which may be required.
- (4) The District's State Certified Cross Connection Control Inspector shall stipulate the type of backflow protection required after inspecting property to determine degree of hazard. The criteria for determining the appropriate levels of protection shall be in accordance with State Health Division Rule #333-61-070.

4. Installation Requirements:

To insure the proper operation and accessibility for testing and repair of backflow devices, the following requirements shall apply to the installation of devices in the District.

- (1) No part of device shall be submerged in water or installed in a location subject to flooding.
- (2) Double check backflow assemblies may be installed in water meter type boxes. These installations shall have drain rock placed under assembly, test cocks shall be accessible and plugged with brass plugs except during testing and assembly shall be repairable in place.
- (3) Backflow assemblies shall be installed at the point of delivery of water, (at water meter), before any branch in customer service line. Alternate locations must be approved by District. All assemblies shall be protected from freezing and physical damage such as traffic.
- (4) All backflow assemblies shall be of a make and model currently approved by the Oregon State Health Division and the District. Double check assemblies shall be the minimum protection allowed, atmospheric vacuum breakers (AVB) and pressure vacuum breakers (PVB) shall not be considered acceptable protection by the District.
- (5) All devices installed by non-District personnel shall be inspected by District and tested by a licensed tester before final approval. All new installations shall be tested by a licensed tester.
- (6) Any water pressure drop caused by the installation of backflow protection, shall not be District responsibility. The District shall not be responsible for providing the means to control or take care of thermal expansion in customer piping, the District will not assume liability for damages from thermal expansion.

5. Testing of Assemblies:

- (1) All backflow assemblies installed in the District service area shall be tested immediately after installation and at least annually thereafter, by a State Certified Tester. Any device found not to be functioning properly shall be promptly repaired or replaced.
- (2) The District will furnish a list of State Certified Testers to property owners that own devices, with a yearly reminder to have the device tested.

6. Costs 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 property owner.

7. Access to Premises:

Authorized employees of the District shall have access during reasonable hours to all areas of a premise where water is supplied. If a property owner refuses access for cross connection inspection, the District will require cross connection protection to be installed at property owner's expense.

8. Termination of Service:

Failure on the part of customers who own devices to have tests or repairs completed after notification, tampering with District owned devices, or refusal to install protection after refusing access to inspectors, shall be sufficient cause to discontinue water service to premises. Customer shall be responsible for reconnection charge and correcting the problem that lead to discontinuance of service.