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CROSS CONNECTION CONTROL ENABLING AUTHORITY
For the

Helton Tracts
PWS 4100741

Section 1: Cross Connection Control--General Policy

1.1 Purpose of the Enabling Authority:
The purpose of this enabling authority is to protect the public water supply of Helton Tracts from the possibility of contamination or pollution from any cross connection and to assure that approved backflow prevention assemblies are tested when put into service, repaired or relocated, and at least on an annual basis thereafter. This enabling authority is required by Oregon Administrative Rule (OAR) 333-061-0070 and 333-061-0071 for public water systems and the Uniform Plumbing Code (UPC), also known as the Plumbing Specialty Code, as adopted by the State of Oregon.

1.2 Responsibility: Water Purveyor (Helton Tracts):

1.2.1 The Helton Tracts shall be responsible for the protection of the water distribution system from the foreseeable conditions leading to the possible contamination or pollution of the drinking water system due to the backflow of contaminants or pollutants into the drinking water supply.

1.2.2 Drinking water system surveys/inspections, when necessary, of the water distribution system shall be conducted by individuals deemed qualified by and representing Helton Tracts. Survey/inspection records shall indicate compliance with OAR 333-061-0070 and 333-061-0071 and the UPC adopted by the State of Oregon.

1.2.3 The selection of the appropriate approved backflow prevention assembly for containment control at the required service shall be determined from the results of the system survey/inspection.

1.3 Responsibility: Consumer (home owner, user, renter)

1.3.1 To comply with this enabling authority as a term and condition of water supply and acceptance of his/her responsibilities as a water system user.

1.3.2 It shall be the responsibility of the consumer to purchase, install and arrange testing and maintenance of any backflow prevention assembly required to comply with this enabling authority. Failure to comply with this enabling authority shall constitute grounds for discontinuance of water service.

1.3.3 It shall be the responsibility of the owner of the backflow prevention assembly to provide the results of the annual test report to the water system operator or owner of Helton Tracts for its Annual Summary Report for the DHS Drinking Water Program.

Section 2: Definitions

2.1 Approved Backflow Prevention Assembly: means a Reduced Pressure Principle Backflow Prevention Assembly, Reduced Pressure Principle-Detector Backflow Assembly, Double Check Valve Backflow Prevention Assembly, Double Check-Detector Backflow Prevention Assembly, Pressure Vacuum Breaker Backsiphonage Prevention Assembly or Spill-Resistance Pressure Vacuum Breaker Backsiphonage Prevention Assembly, of a make, model, orientation and size approved by the Department. Assemblies listed in the currently approved backflow prevention assemblies list developed by the University of Southern California, Foundation for Cross-Connection Control and hydraulic research, or other testing laboratories using equivalent testing methods, are considered approved by the Department.

2.2 Backflow: means the flow of water or other liquids, mixtures, or substances into the distribution pipes of a potable supply of water from any sources other than its intended source, and is caused by backsiphonage or backpressure.

2.3 Backpressure: means an elevation of pressure downstream of the distribution system that could cause, or tend to cause, water to flow opposite of its intended direction.

2.4 Backsiphonage: means a drop in distribution system pressure below atmospheric pressure (partial vacuum), that would cause, or tend to cause, water to flow opposite of its intended direction.

2.5 Cross Connection: means any actual or potential unprotected connection or structural arrangement between the public or user's potable water system and any other source or system through which it is possible to introduce into any part of the potable system any used water, industrial fluid, gas, or substances other than the intended

potable water with which the system is supplied. Bypass arrangements, jumper connections, removable sections, swivel, or change-over devices, and other temporary or permanent devices through which, or because of which, backflow can occur are considered to be cross connections.

2.6 Department: means the Oregon Department of Human Services (DHS).

2.7 Premise Isolation: means the practice of protecting the public water supply from contamination or pollution by installing backflow prevention assemblies at, or near, the point of delivery where the water supply enters the premise. Premise isolation does not guarantee protection to persons on the premise.

Section 3: Requirements

3.1 Policy:

3.1.1 No water service connection to any premise shall be installed or maintained by Helton Tracts unless the water supply is protected as required by OAR 333-061-0070 and 333-061-0071, the Plumbing Specialty Code of Oregon and this enabling authority. Water service to a customer found to be in violation of this enabling authority shall be discontinued by Helton Tracts after due process of written notification and an appropriate time allowance for voluntary compliance, if the customer fails to:

a) Remove or eliminate an existing unprotected or potential cross connection;
b) Install a required approved backflow prevention assembly;
c) Maintain an approved backflow prevention assembly;
d) Conduct the required testing of an approved backflow prevention assembly.

3.1.2 Each resident shall allow access for inspections during reasonable hours to authorized representative(s) of Helton Tracts for the purpose of conducting a hazard assessment survey to determine whether cross connections, actual or potential, exist. Water service may be refused or terminated, or maximum backflow protection may be required, to the premises where access is denied.

3.1.3 In the event of an actual backflow incident which endangers public health, water service may be terminated immediately and not restored until the cross connection is either eliminated or adequately protected.

3.1.4 Any residential construction requiring a new service connection after January 1, 2007, shall install an approved backflow prevention assembly as premise isolation commensurate with the degree of hazard as determined by a survey conducted by Helton Tracts. At a minimum, a double check valve backflow prevention assembly shall be required. yes

3.1.5 Any residential customer that has a private well used for any purpose shall have a reduced pressure backflow prevention assembly installed as premise isolation or verification that the well is not physically connected in any way to the household plumbing supply.

3.2 Violation of this enabling authority

If violations of this enabling authority exist or if there has not been any corrective action taken by the customer within 14 days of the written notification of the deficiencies noted, then Helton Tracts shall deny or immediately discontinue water service to the premises by providing a physical break in the service line until the customer has corrected the conditions(s) to be in conformance with applicable OAR and Plumbing Specialty Code regulations and statutes relating to plumbing, safe drinking water and this enabling authority.

This enabling authority is approved and adopted on this date 3-1-07, by

By:

Melvin Olson

Hiland Water Company

and will remain in full force and in effect as of this date and shall remain in effect until such time as amended or eliminated.

Helton Tracts Cross Connection Program Plan

Helton Tracts will keep a list of backflow devices and current test dates together with a copy of device testing records. This is in accordance with the following administrative rule. taken from the Oregon Health Division "Final Rule", dated 1/7/94.

333-61-070

(C) The water supplier shall maintain current records of backflow devices installed, inspections completed, and backflow device test results.

All backflow device assemblies for protecting the Community Water System shall be installed at the service connection to the premises where an approved airgap does not exist :

333-61-070

(4) Backflow prevention device assemblies for protecting Community water systems shall be installed at the service connection to premises where an approved airgap does not exist.

(a) There is an auxiliary water supply which is, or can be connected to the potable water piping;

(b) There is piping for conveying liquids other than potable water, and where that piping is under pressure and is installed in proximity to potable water piping;

(c) There is intricate plumbing which makes it impractical to ascertain whether or not cross connections exist;

(d) There is backsiphonage potential.

(e) Cross connections or potential cross connections exist.

Any property with an auxiliary water supply will have an approved reduced pressure backflow device installed at the point of service (water meter location) in accordance with the Health Department standards.
List of facilities :

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RESOLUTION ADOPTING A CROSS
CONNECTION CONTROL
POLICY FOR THE DISTRICT

41-00150

WHEREAS, the State of Oregon has adopted regulations requiring all community water systems in Oregon to have a Cross Connection Control policy; and

WHEREAS, the Harbor Water District Board has reviewed this policy for Cross Connection Control; and

WHEREAS, the adoption of this policy appears to be in the best interest of the District;

NOW, THEREFORE BE IT RESOLVED BY THE BOARD OF DIRECTORS OF THE HARBOR WATER P.U.D.,

That the Cross Connection Control policy attached hereto is approved and adopted as the policy of the District.

ADOPTED BY THE BOARD OF DIRECTORS THIS 8th DAY OF FEBRUARY, 1996.

Delbert R. Buell, President

ATTEST: Randall J Gerlach
Randall Gerlach, Secretary

CROSS CONNECTION CONTROL POLICY

To protect and maintain the high quality of Harbor's drinking water, an approved and properly installed backflow prevention device must be installed at all commercial service locations or wherever the District finds a hazard exists, or could exist. An appropriate device is required on all fireline and irrigation services and on all domestic services larger than 2" in size. Devices are required on domestic services 2" and smaller if the building is higher than 32' above the water main or if a known or potential hazard exists on the premises of the service connection. The type of device required will be determined by the District depending on the health hazard that may exist.

Only backflow devices acceptable to the Harbor Water District and the State of Oregon Health Division may be installed. These devices must generally be installed at the point of delivery of the water supply, usually on the customer's premises. They must also be installed at all locations where non-potable water lines are connected to the public potable water supply.

The devices must be installed horizontally, unless specifically approved for vertical installation, in a location that is not subject to flooding and that is protected from freezing and severe weather. Adequate room for maintenance and testing and clear access to the device must be provided. Clearances of 12" below and on the back side of the device, 24" on the test cock side of the device, and at least 36" above the device must be maintained on all devices larger than 2". Headroom of 6'-0" is required in vaults without a full opening top. Devices 2" and smaller shall have at least a 6" clearance below and on both sides of the device, and if located in a vault, the bottom of the device shall be between 12" and 24" below grade.

If the device is installed in a vault 5'-0" or deeper, the vault must have an approved rigid metal ladder, mounted vertically at the chamber opening and bolted to the chamber floor. If the device is located more than 4" above the floor or chamber bottom, it must be equipped with a rigid permanently installed scaffold. An approved extension ladder is required if vault or chamber depth is 8'-0" or greater and entry is through the vault or chamber roof.

After installation of a system containment device has been completed, the District must be notified for inspection and initial testing. Each backflow device must be registered with the District. A water service can not be turned on until all required backflow protection devices have been installed, inspected, tested and registered. The devices shall then be tested at least once a year by a Backflow Prevention Device Tester certified by the State of Oregon. All costs, including the cost of installation, inspection, testing and maintenance are the responsibility of the customer.

Failure to comply with these installation, inspection, testing and maintenance requirements for backflow prevention may result in termination of the water service.

RESOLUTION