

Canby Utility 41-00157

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MAY 3 2019

RESOLUTION NO. 290

Cross Connection
Drinking Water Program

A RESOLUTION ADOPTING A BACKFLOW PREVENTION PLAN

WHEREAS, the Canby Utility Board (Board) recognizes the potential health hazards which may result from cross-connections within the municipal water system and has established rules to control such connections; and


WHEREAS, The Oregon Health Authority reviewed the Board's rules set forth in Resolution Nos. 84 and 179 in comparison to applicable OAR provisions revised in April, 2016, determined a written Backflow Prevention Plan is needed to comply with Oregon Administrative Rule 333-061-0070 (9)(b); and

WHEREAS, a Backflow Prevention Plan was drafted, submitted, and approved by the Oregon Health Authority, meeting all of the legal requirements.

NOW, THEREFORE, THE CANBY UTILITY BOARD RESOLVES AS FOLLOWS:

1. Resolution Nos. 84 and 179 are hereby reaffirmed.
2. This Resolution and Exhibit "A" attached and incorporated by reference, is hereby approved as Canby Utility's written Backflow Prevention Plan.

THIS RESOLUTION IS ADOPTED BY THE CANBY UTILITY BOARD THIS 13th
DAY OF June, 2017.



Gary Potter, Chair



Todd Wagner, Member



Walt Daniels, Member



Jack Brito, Member



Robert Maxwell, Member



Barbara Benson, Board Secretary



Written Backflow Prevention Plan
Per OAR 333-061-0070, Section (9) (b)
(Revised April 1, 2016)

Note: As a water supplier, Canby Utility (CU) is responsible for protecting the potable water supply. The following measures are followed to enhance the consistency of utilities cross connection control programs and apply to all service connections served by Canby Utility, which may include customers served outside of city limits.

OAR 333-061-0070, Section (9) (b) Written Program Plan Requirements:

(A) List of Premises where health hazard cross connections exist, including, but not limited to, those listed in Table 42 (Premises Requiring Isolation);

- o CU can report on the service types listed below:
 - o Facility Type (including those types in Table 42)
 - o Hazard Type
 - o Device Type (RP, DC, etc.)
 - o Service Type (Commercial, residential, etc.)
 - o Protection Type (Isolation, Containment)

(B) A current list of certified CCC staff personnel;

- o Is listed, and will be updated annually in the cross connection annual summary report



Written Backflow Prevention Plan

Per OAR 333-061-0070, Section (9) (b)

(Revised April 1, 2016)

(C) Procedures for evaluating the degree of hazard posted by a water user's premise;

- Degree of hazard is based on but not limited to OHA's Table 42
- At Plan Review - Reviewer cross connection control trained
- Field Inspections throughout project construction
- Communication with local plumbing inspectors and permits
- Per OAR and CU Rules and Regulations
- Service connections of 1.5" and greater require premise isolation based on the degree of hazard
- Multi-tenant facilities are required to have premise isolation
- All Irrigation and Fire line coded accounts are required to have backflow protection

(D) A procedure for notifying the water user if a non-health hazard or health hazard is identified, and for informing the water user of any corrective action required;

- Improper Install Letter - time allowed for correction varies (up to 1 year)
- Generic assembly added to customer account to generate annual backflow test notices requiring assembly to be tested.
- Notices Mailed
 - First Notice
 - Reminder Notice
 - Urgent Notice/Enforcement Notice
 - Shut-Off Notice
- Meeting on site
- Phone Call
- Contact appropriate plumbing official when applicable



Written Backflow Prevention Plan

Per OAR 333-061-0070, Section (9) (b)

(Revised April 1, 2016)

- (E) The type of protection required to prevent backflow into the public water supply, commensurate with the degree of hazard that exists on the water user's premise, as defined in Table 43 (Backflow Prevention Methods);**
- CU adheres to Table 43 without any additional requirements
- (F) A description of what corrective actions will be taken if a water user fails to comply with the water supplier's cross connection control requirements;**
- Improper Installation Notice when applicable
 - Enforcement Notice and Procedures
 - CU to test and apply fee to water bill
 - Shut-Off of water service for non-compliance
 - Shut-Off fees applied to water bill
- (G) Current records of approved backflow prevention assemblies installed, inspections completed, backflow prevention assembly test results on backflow prevention assemblies and verification of current Backflow Assembly Tester certifications; and**
- Cross Connection Program database accommodates:
 - All records of installed backflow assemblies
 - Test results received and posted to individual customer accounts
 - Inspections are noted on individual customer accounts
 - Summary Report includes quantities of assemblies based on type of service, type of assembly, etc.
 - All Tester's in CU service area are required to provide proof of BAT certification annually
- (H) A public education program about cross connection control.**



Written Backflow Prevention Plan

Per OAR 333-061-0070, Section (9) (b)

(Revised April 1, 2016)

- Website
- Brochures
- CU Front Lobby contains educational material/brochures
- Utility bill message and inserts
- Display materials
- Presentations
 - Board Meetings
 - HOA's
 - Associations
- Tester Meetings
 - Communicate with local Testers to enhance consistency with communications/education to our customers/community
- CUwater department personnel
 - Meetings
 - Training
 - Presentations



Written Backflow Prevention Plan

Per OAR 333-061-0070, Section (9) (b)

(Revised April 1, 2016)

OAR 333-061-0070 rev: April 1, 2016, Table 42

Premises Requiring Isolation* By an Approved Air Gap or Reduced Pressure Principle Type Of Assembly
Agricultural (for example, farms, dairies)
Beverage bottling plants**
Car washes
Chemical plants
Commercial laundries and dry cleaners
Premises where both reclaimed and potable water are used
Film processing plants
Food processing plants
Medical centers (for example, hospitals, medical clinics, nursing homes, veterinary clinics, dental clinics, blood plasma centers)
Premises with irrigation systems that use the water supplier's water with chemical additions (for example, parks, playgrounds, golf courses,
Laboratories
Metal plating industries
Mortuaries
Petroleum processing or storage plants
Piers and docks
Radioactive material processing plants and nuclear reactors
Wastewater lift stations and pumping stations
Wastewater treatment plants
Premises with piping under pressure for conveying liquids other than potable water and the piping is installed in proximity to potable water piping
Premises with an auxiliary water supply that is connected to a potable water supply
Premises where the water supplier is denied access or restricted access for survey
Premises where the water is being treated by the addition of chemical or other additives

* Refer to OAR 333-061-0070(8) premises isolation requirements.

** A Double Check Valve Backflow Prevention Assembly could be used if the water supplier determines there is only a non-health hazard at a beverage bottling plant.



Written Backflow Prevention Plan

Per OAR 333-061-0070, Section (9) (b)

(Revised April 1, 2016)

OAR 333-061-0070 rev: April 1, 2016, Table 43

Backflow Prevention Methods Used For	
DEGREE OF IDENTIFIED HAZARD	
Non-Health Hazard (Pollutant)	Health Hazard
Backsiphonage or Backpressure	Backsiphonage or Backpressure
Air Gap (AG)	Air Gap (AG)
Reduced Pressure Principle Backflow Prevention Assembly	Reduced Pressure Principle Backflow Prevention Assembly
Reduced Pressure Principle- Detector Backflow Prevention Assembly (RPDA)	Reduced Pressure Principle-Detector Backflow Prevention Assembly (RPDA)
Double Check Valve Backflow Prevention	
Double Check-Detector Backflow Prevention Assembly (DCDA)	