

CANBY UTILITY
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FIELD SERVICES
DRINKING WATER PROGRAM

RESOLUTION NO. 84

A RESOLUTION ESTABLISHING RULES TO PREVENT CROSS-CONNECTIONS OR POTENTIAL CROSS-CONNECTIONS BETWEEN THE MUNICIPAL WATER SYSTEM OF CANBY AND THE VARIOUS WATER CUSTOMERS OF THE CANBY UTILITY BOARD

WHEREAS, the Canby Utility Board recognizes the potential health hazards which may result from cross-connections between the municipal water system and any non-potable water, chemical, fluid, gas, or other objectionable substances; and

WHEREAS, the State of Oregon, Health Division, has adopted administrative rules to govern public water systems and these rules include strict cross-connection control requirements; and

WHEREAS, members of the water department of the Canby Utility Board have been specially trained to identify potential cross-connections; and

WHEREAS, it is apparent that cross-connections or potential cross-connections do exist in Canby at this time and could become a more serious problem in the future if steps are not taken to abate the existing cross-connection situations and prevent new ones from developing in the future;

NOW, THEREFORE, it is hereby resolved that in the interest of the public health, safety and general welfare the following rules shall apply to cross-connections and potential cross-connections to the municipal water system of Canby, including those caused by existing water users or any future developments which may occur.

SECTION 1: DEFINITIONS

- (1) "Backflow" - shall mean the undesirable reverse flow (whether from back siphonage or back pressure) of any water or mixtures of water and other liquids, gases or other substances into the distribution pipes of the municipal potable supply of water.
- (2) "Backflow Prevention Device" - shall mean a device approved by the State of Oregon to prevent backflow into a potable water system. The type of device used shall be based on the degree of hazard existing or possible as a result of the condition.
- (3) "Contamination" - shall mean the entry into or presence in the municipal water supply of any substance which may be deleterious to health and/or quality of the water as defined by the Health Division of the State of Oregon.
- (4) "Cross-Connection" - shall mean any unprotected actual or potential connection between the municipal potable water system and any other source or system through which it is possible to introduce into any part of the municipal system any used water, industrial fluid, gas, or or substance other than the intended potable water with which the system is supplied. By-pass arrangements, jumper connections, removable sections, swivel or changeover devices and other temporary or permanent devices through which or because of which "backflow" can or may occur are also considered to be potential cross-connections.

SECTION 2: CROSS-CONNECTIONS

The installation or maintenance of a cross-connection which will endanger the water quality of the Municipal potable water system is strictly prohibited. Any such cross-connection now existing or hereafter installed is hereby declared to be a public hazard and the same shall be abated. The control or elimination of cross-connection shall be in accordance with the requirements of this Resolution and applicable provisions of Oregon Administrative Rules, Chapter 333, and the official plumbing codes of the State of Oregon, as amended.

SECTION 3: OTHER RULES AND REGULATIONS

The Canby Utility Board reserves the right to establish rules, regulations or requirements which are more stringent than those of the State of Oregon when deemed necessary because of local conditions. In any event, the strictest applicable rule shall be applied. The General Manager of the Canby Utility Board or his designated representative, is hereby authorized to enforce the provisions of this Resolution.

SECTION 4: USE OF BACKFLOW PREVENTION DEVICES

- (1) Service of water to any premises shall be discontinued if a backflow prevention device required by this Resolution is not installed, tested and maintained, or if it is found that a backflow prevention device has been removed, by-passed, or if an unprotected cross-connection exists on the premises. Service will not be restored until such conditions or defects are corrected.
- (2) Each customer shall provide ample opportunities, at reasonable times, to allow for inspection by representatives of the Canby Utility Board to determine whether cross-connections or potential cross-connections exist. When such a condition becomes known, the General Manager shall deny or immediately discontinue service to the premises by providing for a physical break in the service line until the customer has corrected the condition. However, if it is determined by the General Manager that no immediate threat to the public health or safety exists as a result of the condition, the General Manager may specify a given length of time for the customer to correct the condition prior to having service discontinued.
- (3) In all cases where it is determined that an approved backflow prevention device is to be required, one such device shall be installed on each service line to a customer's water system at or near the property line or immediately inside the building being served; but in all cases, before the first branch line leading off the service line.
- (4) Approved backflow prevention devices shall be installed under circumstances including, but not limited to, the following:
 - (a) Premises having an auxiliary water supply, including a private well.
 - (b) Premises having cross-connections that are not correctable, or intricate plumbing arrangements which make it impractical to ascertain whether or not cross-connections exist.
 - (c) Premises where entry is restricted so that inspections for cross-connections cannot be made with sufficient frequency at sufficiently short notice to assure that cross-connections do not exist.
 - (d) Premises having a history of cross-connections being established or re-established.
 - (e) Premises on which any substance is handled under pressure so as to permit entry into the public water supply, or where a cross-connection could reasonably be expected to occur. This shall include the handling of process water and cooling waters.

- (f) Premises where materials of a toxic or hazardous nature are handled in such a way that if backflow should occur, a serious health hazard might result.
 - (g) Backflow prevention devices shall be required for each of the following businesses or operations:
 - Hospitals, mortuaries, medical clinics
 - Car washes
 - Metal plating industries
 - Sewage treatment plants & pump stations
 - Chemical plants using a water process
 - Other potentially hazardous facilities as may be identified by the water department staff
- (5) The type of protective device required shall depend on the degree of hazard which exists:
- (a) An air-gap separation or a reduced-pressure-principle backflow prevention device shall be installed where the public water supply may be contaminated with sewage, industrial waste of a toxic nature or other contaminant which would cause a health or system hazard.
 - (b) In the case of a substance which may be objectionable but not hazardous to health a double check valve assembly, air gap separation, or a reduced-pressure-principle backflow prevention device shall be installed, at the option of the Manager of the Canby Utility Board.
- (6) Backflow prevention devices required by this Resolution shall immediately be inspected and tested by a State-certified backflow prevention device tester.
- (7) Any protective device required by this resolution must be of a type approved for the specific use by the State Health Division.
- (8) Backflow prevention devices shall be furnished and installed by and at the expense of the customer.
- (9) It shall be the duty of the customer at any location where backflow prevention devices are installed to have certified inspections and operational tests made at least once per year. In those instances where the Manager of the Utility Board deems the hazard to be great enough to warrant such action, certified inspections may be required at more frequent intervals. These inspections and tests shall be at the expense of the water user and shall be performed by a certified tester licensed by the State Health Division to perform such services. It shall be the duty of the General Manager to see that these timely tests are made. The customer shall notify the General Manager in advance when the tests are to be undertaken so that he or his representative may witness the tests if so desired. These devices shall be repaired, overhauled or replaced at the expense of the customer whenever said devices are found to be defective. Records of such tests, repairs and overhaul shall be kept and copies sent to the Canby Utility Board by the customer.
- (10) No underground sprinkling system shall be installed without adequate backflow prevention devices meeting the requirements of the State Plumbing Code.

- (11) Failure of the customer to cooperate in the installation, maintenance, testing or inspection of backflow prevention devices required by this Resolution or by State law shall be grounds for the termination of water service to the premises.

SECTION 5: CROSS-CONNECTION INSPECTION

- (1) No water shall be delivered to any public, commercial, or industrial facility until the site has been inspected by appropriately trained members of the water department staff and found to be free of cross-connections.
- (2) Any construction for industrial or other purposes which is classified as creating a potentially hazardous situation where it is reasonable to anticipate intermittent cross-connections, shall be protected by the installation of one or more backflow prevention devices at the point of service from the public water supply or any other location designated by the Canby Utility Board.
- (3) Inspections shall be made at the discretion of the General Manager of all buildings, structures, or improvements of any nature now receiving water through the municipal system, for the purpose of ascertaining whether cross-connections exist.

SECTION 6: NOTIFICATION OF INSTALLATION

If backflow prevention devices are found to be necessary, the owner of the property serviced must notify the Canby Utility Board of the pending installation of such devices, indicating the type and design of the device to be used.

SECTION 7: LIABILITY

This Resolution shall not be construed to hold the Canby Utility Board responsible for any damage to persons or property by reason of the inspection or testing herein, or the failure to inspect or test or by reason of approval of any system which eventually results in a cross-connection.

SECTION 8: APPLICABILITY

The requirements of this Resolution are intended to apply primarily to commercial, industrial, multiple family residential, and public or semi-public facilities. The potential for cross-connections also exists in small residential facilities but is not generally of a hazardous nature. Water department staff persons may take appropriate enforcement steps where an actual or potential serious cross-connection situation is found in a small residential facility, including single family dwellings, as well as larger facilities.

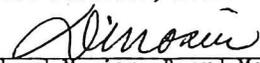
SECTION 9: SEVERABILITY

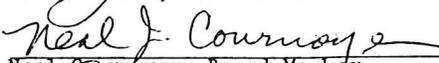
If any one or more sections, sub-sections or sentences of this Resolution are for any reason held to be unconstitutional or invalid, such decision shall not affect the validity of the remaining portions of this Resolution and the same shall remain in full force and effect.

ADOPTED this 25th day of August, 1983.


Robert Westcott, Board Chairman


Larry Housen, Board Member


Richard Mosier, Board Member


Neal Cournoyer, Board Member


Jim Reffner, Board Member


Lynne Delmore, Secretary/Board Clerk