
Municipality of Cumberland Policy 96-02
Public Works Water Supply Cross Connection Policy

The purposes of this policy are to eliminate cross connections between any municipal public water supply system and any private water supply system, and to regulate direct connections between any municipal public water supply system and non potable water sources.

This policy has been adopted to minimize the chance of a public water supply being contaminated by the introduction of other water to the aquifer and/or distribution system in use.

1. In this policy:
 - a. "Air gap" means the unobstructed vertical distance through air between the lowest point of a water supply outlet and the flood level rim of the fixture or device into which the outlet discharges;
 - b. "Back flow" means a flowing back or reversal of the normal direction of the flow;
 - c. "Backflow preventor" means a device or a method that prevents backflow;
 - d. "Back pressure" means pressure higher than the supply pressure;
 - e. "Back siphonage" means back flow caused by atmospheric pressure;
 - f. "Back siphonage preventor" or "vacuum breaker" means a device or a method that prevents back siphonage;
 - g. "Building" means any structure used or intended for supporting or sheltering any use or occupancy;

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- h. "Committee" means the Planning Advisory Committee of the Municipality of the County of Cumberland;
 - i. "Cross Connection" and "Cross Connected" mean the connection or interconnection of a private water supply system and a public water supply system;
 - j. "Direct Connection" means the connection of fixtures, tanks, vats, boilers, pools or other devices containing other than potable water and subject to pressures at or above atmospheric, to a public water supply system;
 - k. "Inspector" means any person who is authorized by the Municipality of the County of Cumberland to carry out inspections or investigations on behalf of the Municipality as may be required by this policy;
 - l. "Owner" means any person, firm or corporation controller; the property under consideration;
 - m. "Potable" means safe for human consumption;
 - n. "Private Water Supply" means any water supply not owned by the Municipality of the County of Cumberland and includes, but is not limited to private wells, springs, surface water, supplies and all associated plumbing; and
 - o. "Public Water Supply" means a water supply owned and maintained by the Municipality of the County of Cumberland.
2. Any well, which, at the time of the adoption of this policy or at any previous time, provides or has provided water to any building now served by a public water supply must be decommissioned by removing all pumping equipment and sealing the well in a manner satisfactory to the inspector and the Department of Environment.

This provision does not apply to wells being used as part of a heat pump system, provided that the heat pump system including the well and all other appurtenances are completely isolated from the buildings potable water system.

3. No private water supply system shall be cross connected with a public water supply system. Any private water supply system cross connected with a public water supply system shall be disconnected by the owner within 30 days of receiving written notice to do so from the Municipality or any Municipal employee. Disconnection of a cross connection shall be in accordance with the Canadian Plumbing Code, 1990, good engineering practices, and this policy. (See: Canadian Plumbing Code 1990 section 6.2.5.)
4. (1) Potable water connections to fixtures, tanks, vats or other devices not subject to pressures above atmospheric and containing other than potable water shall be installed so as to prevent back siphonage in conformance with sub-sections 4 (2) and (3) herein. (See Canadian Plumbing Code 1990 section 6.2.2.)
- (2) Back-siphonage shall be prevented by the installation of:
- an air gap,
 - an atmosphere vacuum breaker,
 - a pressure vacuum breaker,
 - a hose connection vacuum breaker,
 - a dual check valve backflow preventor with atmosphere port,
 - a double check valve assembly,
 - a reduced pressure principle backflow preventor,
 - a dual check valve backflow preventor, or
 - a laboratory faucet type vacuum breaker.
- (See Canadian Plumbing Code 1990, section 6.2.2.)
- (3) Back siphonage from a fixture or device that operates more than 12 hours continuously shall be prevented by the installation of:

- an air gap,
- a pressure vacuum breaker,
- a dual check valve backflow preventor with atmospheric port,
- a double check valve assembly,
- a reduced pressure principal backflow preventor, or
- a dual check valve backflow preventor.

(See Canadian Plumbing Code 1990 section 6.2.2.)

5. (1) Potable water connections to fixtures, tanks, vats boilers or other devices containing other than potable water and subject to pressure above atmospheric shall be arranged to prevent backflow caused by back pressure in conformance with Subsections 5(2) and (3) herein. (See Canadian Plumbing Code 1990, section 6.2.3.)

(2) Backflow caused by back pressure of non-toxic substances into a potable water system shall be prevented by the installation of:

- an air gap,
- a dual check valve backflow preventor with atmospheric port, or
- a reduced pressure principle backflow preventor.

(See Canadian Plumbing Code 1990, section 6.2.3.)

6. Backflow caused by back pressure of toxic substances into a potable water system shall be prevented by the installation of:

- an air gap, or
- a reduced pressure principle backflow preventor.

7. Inspectors of the Municipality shall be permitted with reasonable notice to

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enter all properties for the purpose of inspection, observation, measurement, sampling and testing in accordance with this policy. If the Planning Advisory Committee determines that an owner has not complied with a reasonable request for inspection it can order that the service be disconnected.

8. The Municipality of Cumberland hereby delegates authority for the administration of this policy to the Planning Advisory Committee of the Municipality.
9. Any person or firm failing to carry out an order of the Planning Advisory Committee will be disconnected from the public supply until such time as the order has been satisfactorily carried out, and a reconnection fee of \$50.00 has been collected by the Municipality.

<u>Clerks Annotation for Official Policy Book</u>	
Date of notice to Council Members of Intent to Consider (minimum 7 days)	_____
Date of Passage of Current Policy	<u>September 11, 1996</u>
I certify that this Policy was adopted by Council as indicated above.	
_____	<u>May 12, 2008</u>
Clerk	Date