

Document 1 – Schedule “G” – Backflow Prevention Program

SCHEDULE “G”

Backflow Prevention Program Requirements

DEFINITIONS

1. In this Schedule:

“Hazard” has the same meaning as in the Canadian Standards Association Manual for the Selection and Installation of Backflow Preventers/Maintenance and Field Testing of Backflow Preventers, as amended.

“Moderate” has the same meaning as in the Canadian Standards Association Manual for the Selection and Installation of Backflow Preventers/Maintenance and Field Testing of Backflow Preventers, as amended.

“Severe” same meaning as in the Canadian Standards Association Manual for the Selection and Installation of Backflow Preventers/Maintenance and Field Testing of Backflow Preventers, as amended,

“Work” means the installation of Approved Backflow prevention device and any maintenance thereof.

BACKFLOW PREVENTION DEVICE REQUIRED

2. Where in the opinion of the General Manager or designate a Backflow prevention device is required, every Owner of an industrial, commercial, or institutional property or of any other building, structure or property that contains a Moderate or Severe Hazard, shall install, at the Owner’s sole expense, Approved Premise isolation Backflow prevention device(s) by the installation date identified by the General Manager or designate.

3. Where a Backflow prevention device is required, every Owner shall ensure:

(1) Approved Backflow prevention device is installed and maintained by a Qualified Person as set out in Table 1 and in accordance with the Canadian Standards Association Manual for the Selection and Installation of Backflow Preventers/Maintenance and Field Testing of

Backflow Preventers, as amended, and the Building Code Act, as amended.

- (2) Approved Backflow prevention device is registered with the City and tested upon installation and annually thereafter by a Qualified Person as set out in Table 1.
- (3) a site survey is completed and submitted to the City by a Qualified Person as set out in Table 1, for Premise isolation, every five (5) years from the date of the completion of the first survey; or within thirty (30) days of any Hazard level increase, unless otherwise required by the General Manager.
- (4) all required program fees are paid in accordance with Schedule "A".

4. Every Owner shall install or cause to be installed in accordance with the Building Code Act, a Backflow prevention device on all building fire protection systems that contain anti-freeze, foam injection, or other chemical additives, connected to a private water supply or where in the opinion of the General Manager, the Fire Protection System is a Hazard to the municipal water supply.

TESTING

5. Every Person who performs a test on a Backflow prevention device shall:
- (1) be a Qualified Person as set out in Table 1 and shall have the following qualifications:
 - i. Cross Connection Control Specialist as per the Ontario Water Works Association;
 - ii. Current National Calibration Certification by the National Institute for Standardization Technology;
 - iii. maintain a current tester's certificate; and
 - iv. submit an annual calibration test data for testing equipment
 - (2) collect tester and administration fees and submit administration fees to the City.
 - (3) immediately notify the Owner or the premises and the City in writing upon discovering that a Backflow prevention device is malfunctioning or otherwise not maintained in proper working order.

- (4) ensure that all reports on all tests performed on a Backflow prevention device are submitted to the City in a manner and format approved by the General Manager.

6. No Person shall submit a test report to the City that contains inaccurate or false information in regards to any Work performed or to be performed.

INSTALLATION

7. Every Person installing or repairing a Backflow prevention device shall ensure that:

- (1) such device is located in such a manner so that in the event of backflow the device prevents contamination of the municipal drinking water system; and
- (2) the selection, installation and maintenance of devices will comply with the Canadian Standards Association Manual for the Selection and Installation of Backflow Preventers/Maintenance and Field Testing of Backflow Preventers, as amended, and the Building Code Act, as amended.

8. No person shall remove a Backflow prevention device, or any part thereof after it has been installed and registered with the City unless such removal is:

- (1) to facilitate the repair of the device, with the device replaced immediately after the repair is carried out; or
- (2) to replace the device with another device in accordance with the provisions of this Schedule.

GENERAL

9. Notwithstanding any provision of this Schedule or By-law, the General Manager may at any time order an Owner to conduct tests, provide reports and undertake any other measures required for the prevention of Backflow.

10. In the event of non-compliance with the provisions of this Schedule, the General Manager, at its sole discretion may:

- (1) provide notice to the Owner, requiring the Owner to comply with the provisions of this Schedule and the notice shall specify the time allowed for compliance; or
- (2) where the General Manager has determined that an immediate Severe Hazard exists that may result in the contamination of

municipal water supply, shut off the water supply to a Private Water Main or Private Water Service.

Table 1. Backflow Prevention Program Qualified Persons

Qualifications	Conduct a Site Survey	Install or Replace a Backflow device	Test or Repair a Backflow Device
Professional Engineer	✓		
Engineering Technologist	✓		
Licensed Master Plumber	✓	✓	✓
Journeyman Plumber	✓	✓	✓
Apprentice Plumber	✓	✓	✓
Industrial Millwright			✓
Industrial Millwright: Water/Wastewater		✓	✓
Irrigation System Installer			✓
Fire System Sprinkler Fitter			✓