

Attachment 2 – Summary of Proposed By-Law Revisions

Change Level	Description of Change
Minor Modify Application of By-law	The current Backflow Prevention By-law applies to industrial, commercial, and institutional (ICI) properties and mixed-use and multi-use residential properties located within the City. There are other hazards within the City that do not fall under the above property types. To protect from all hazards against the drinking water system, the Backflow Prevention By-law should be amended to include provisions to monitor all water services connected to the drinking water system. Summary - Including all property classes that pose a risk of backflow provides comprehensive protection to the City's drinking water system
Minor Add Section to protect from Temporary Water Connections hazards	To protect the drinking water system from potential hazards that occur due to construction and contractor use, a new section will be included to protect the City's water from this type of hazard. Summary – Added protection of drinking water from potential hazards, regardless of their short duration
Minor Modify Persons Permitted to Carry Out Work	Currently the bylaw does not reference a specific training certification body when it relates to the ability to test the backflow preventers in the City. The current bylaw does not require proof of tester's certificate, current calibration certificate for the test equipment or adequate insurance requirements to perform the work. By including a specific testing body and by receiving proof of the required documents, the City will be able to verify credentials when a Qualified Company or Qualified Person is registering for the Backflow Prevention Program. Summary – Defines requirements for certification and calibration to ensure that only qualified people and equipment are used to install, maintain and certify backflow prevention devices.
Moderate Modify Persons Permitted to Carry Out Work	A performance-based policy for the Qualified Company & Qualified Person will be created. This will provide a mechanism for the City to monitor those qualified by the City to complete work on backflow prevention devices. Summary- Enhancing requirements of Qualified Company and Qualified Persons builds greater credibility of the Backflow Prevention Program.

Moderate Modify Application of Standards and Selection of Methods	When a backflow preventer is required to be installed within a building, the selection of the backflow preventer must meet the degree of hazard associated with the property and the plumbing system, therein. To ensure that a backflow preventer is installed based on the risk that the building use poses to the drinking water system, properties and building uses have been classified based on the hazard level they can pose on the drinking water system. If a property type is not listed within the Appendix, the City will have the ability to select what type of backflow preventer is to be installed on the water service line. Summary - Providing greater clarity on the type of backflow prevention device required will increase protection for the water supply
Minor Modify Installation of Backflow Preventers	The current by-law does not provide for monitoring during the installation of new backflow preventers. The existing bylaw will be modified to establish requirements for new installations, provide guidance to the Property Owners to ensure compliance with the by-law. The new section within will cover where the backflow preventer is to be installed, specific installation requirements and when a backflow preventer is to be installed. Summary – Monitoring and controlling new installations will provide increased protection for the drinking water system.
Minor Add Section to protect from Auxiliary Water System hazards	To better protect our drinking water from the hazards that occur due to existing and new auxiliary water systems (such as private water supplies connected to the property's plumbing system, such as wells), a new section will be included to protect against this type of hazard. Summary – including residential properties with auxiliary water systems in the by-law, will avoid water that may not meet regulatory standards (e.g. untreated well water) from entering the City's water system.
Minor Modify Testing of Backflow Preventers	To permit Qualified Companies to use their own test tags, the wording below will be included in the Testing Requirements Section of the revised bylaw Summary- Allowing qualified companies to utilize their own test tags will avoid the introduction of an administrative burden while maintaining the integrity of the Backflow Prevention Program
Moderate Modify Testing of Backflow Preventers & Corrective Actions	The corrective actions that the property owner must complete for when a backflow preventer is found to be malfunctioning will be updated to help ensure the property owner can repair the backflow preventer within a reasonable amount of time. If the backflow preventer is unable to be repaired due to the unit being discontinued or the repair parts are on backorder, the updated by-law allows for property owners to immediately replace the backflow preventer with a new one and completing the administrative steps (e.g. building permit and inspection process) immediately thereafter. Summary – This clause builds in a contingency when a backflow prevention device must be repaired and sets out specific timelines for the Owner to act.

Minor Add Inspection Section to guarantee compliance	Site inspections will be used to investigate and confirm compliance, or any exemptions from, the Backflow Prevention Program. Site inspection will help identify any new backflow risks and potential non-compliances and establish corrective actions required of the property owner. Summary- Provides a means for site inspections to take place, ensuring continued compliance with the by-law.
Moderate Add Damage to the Waterworks Section	To protect the City from incurring costs associated rectifying damage in relation to a backflow event or negligent act caused by an individual or business. Summary – This change allows the City to recover costs if damage to the City's water distribution system occurred as a result of a connection that causes a back flow situation.
Moderate Modify Administration and Enforcement	In order to protect the quality of water within the drinking water system, the City requires the ability to eliminate a potential hazard when it is first identified. The procedure to be used will be different depending on the level of risk on the drinking water system and will range from issuing orders to shutting off water immediately. Summary: The City will respond to hazards based on the level of threat to the water system.
Moderate Add Financial Penalties Section	By including and assessing financial penalties, the City will be able to promote compliance of the by-law and provide a financial incentive for owners to comply, protecting the integrity of the water distribution system. If it is determined that the property owner is not in compliance with the relevant standards and regulations, they will be assessed a penalty based on the type, severity and frequency of the contravention. Summary: By including financial penalties, owners are provided with a financial incentive to comply with the requirements of the by-law.
Minor Modify Implementation and Compliance	Adjusting the timelines for compliance to ensure adequate time for the Owner to obtain permits, select, install and certify a backflow preventer, provide consistency and will help Owners remain in compliance. Summary: Adjusting the time requirements to ensure Backflow Prevention devices provides Owners adequate time to install and certify backflow preventers to comply with the requirements of the by-law.

Moderate Necessary amendments to ensure consistency and effective administration	Additional amendments may be needed to the By-law in order to give effect to the above-mentioned changes, and/or to ensure the by-law can be consistently and effectively administered in accordance with best practices and legislative requirements. Summary: Various amendments, made in accordance with the City Solicitor's (or designate) review and approval, and made to ensure effective administration of the by-law in accordance with best practices and legal/legislative requirements.
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