FLOW METERING FOR COMMISSIONING OF NEW WATER MAINS

In 2021, Water Services implemented changes to the required process to be followed during the commissioning of new potable water mains, to support improved auditing of the City of Calgary's non-revenue potable water. It is important to The City to identify locations where nonrevenue water is leaving the system and differentiate between leaks and authorized use, especially when managing drought conditions.

The volume of all water flushed from the system during the commissioning inspection process must be recorded and reported through the use of a stopwatch and a pitot-style gauge, or other suitable flow meter product. In addition, suitable backflow prevention, such as a one-way check valve or vacuum breaker, is required to avoid potential contamination of the water supply.

The existing Flushing Permit Procedure section has been updated to include sections to report flush duration, flow, and totalized volume. Water Services does not intend to charge for the use of water necessary for commissioning.

Effective May 1st, 2024, upon issuance of the Potable Water Flushing Permit, Subdivision Development Inspections Utility Inspectors will be notifying contractors that they are responsible to monitor the flushing and take field readings which are to be documented on the Potable Water Flushing Table. When flushing is completed this table is then to be submitted to waterservicesfosupport@calgary.ca.

The City of Calgary Waterworks Specifications has been updated to reflect the requirements (Refer to Section 504.09.00 and 504.10.00 in the Standard Specifications Waterworks Construction).

For more information, please contact Monica Bramley, Leader – Water Utility Project Development at monica.bramley@calgary.ca.

NOTE - SEE 2026 BULLETIN FOR VOLUME REPORTING FOR COMMISIONING NEW WATER MAINS AND SERVICES FOR ADDITIONAL REQUIRMENTS