

VOLUME REPORTING FOR COMMISSIONING OF NEW WATER MAINS AND SERVICES

Following an audit of the 2024 Flow Metering process, as outlined in Flow Metering for Commissioning of New Water Mains, The City of Calgary has identified low compliance with **required reporting**. Specifically, reporting of flush duration, flow rate, and total volume has not been occurring at the expected rate.

As outlined in Flow Metering for Commissioning of New Water Mains and on all Potable Water Flushing Permits, the total volume of water flushed during the commissioning process must be measured and recorded. This must be completed using a stopwatch and a pitot-style gauge, or another suitable flow measurement device. Additionally, appropriate backflow prevention measures, such as a one-way check valve or vacuum breaker, must be in place to prevent potential contamination of the water supply. These requirements are also defined in The City of Calgary Waterworks Specifications, Sections 504.09.00 and 504.10.00.

As Subdivision Inspections issues Potable Water Flushing Permits and attend sites shortly after flushing activities are completed, compliance with this process will be actively monitored.

Effective May 1, 2026, Subdivision Inspections will require permit holders to provide the total volume of water flushed at the time of sampling. This information must be available on site and provided upon request.

Failure to provide the required volume information will result in Subdivision Inspections reviewing compliance with City of Calgary requirements. Repeated instances of non-compliance may result in Subdivision Inspections withholding future Potable Water Flushing Permits. In such cases, contractors may be required to retain a qualified third-party provider to complete flushing in compliance with City requirements.

Questions or comments regarding this process may be directed to:

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