

From: ["Johnston, Sadhu" <Sadhu.Johnston@vancouver.ca>](mailto:Sadhu.Johnston@vancouver.ca)
To: ["Direct to Mayor and Council - DL"](#)
CC: ["City Manager's Correspondence Group - DL"](#)
["LaClaire, Lon" <lon.laclaire@vancouver.ca>](mailto:lon.laclaire@vancouver.ca)
Date: 11/18/2020 11:03:33 AM
Subject: Memo - Metro Vancouver Shutdown of First Narrows Crossing Water Main
Attachments: Metro Vancouver Shutdown of First Narrows Crossing Water Main Oct 2020.pdf

Dear Mayor and Council,

Please see the attached memo from Lon LaClaire. A short summary of the memo is as follows:

- ☐ Metro Vancouver will be conducting maintenance work on their water main valves starting Wednesday, November 25, 2020. The work is expected to be completed by the end of March 2021.
- ☐ Drinking water normally enters the City of Vancouver from Metro Vancouver's supply on the north shore through infrastructure that crosses Burrard Inlet at two locations: the First Narrows and Second Narrows water crossings. During the work over the next several months, the First Narrows water crossing will be periodically shut down and the City will be supplied mainly from the Second Narrows crossing or overland infrastructure from Coquitlam Reservoir.
- ☐ Working with City of Vancouver Waterworks staff, Metro Vancouver has completed similar shut downs over the past several years and does not foresee any major issues with water distribution. City staff will be monitoring City water system performance during each shut down and available to respond as required.

If you have any questions, please feel free to contact Lon LaClaire at 604-873-7336 or lon.laclaire@vancouver.ca.

Best,
Sadhu

Sadhu Aufochs Johnston | City Manager
Office of the City Manager | City of Vancouver
604.873.7627 | sadhu.johnston@vancouver.ca

Pronouns: he, him, his



The City of Vancouver acknowledges that it is situated on the unceded traditional territories of the Musqueam, Squamish, and Tsleil-Waututh peoples.

MEMORANDUM

November 17, 2020

TO: Mayor and Council

CC: Sadhu Johnston, City Manager
Paul Mochrie, Deputy City Manager
Karen Levitt, Deputy City Manager
Lynda Graves, Administration Services Manager, City Manager's Office
Rena Kendall-Craden, Civic Engagement and Communications Director
Rosemary Hagiwara, Acting City Clerk
Anita Zaenker, Chief of Staff, Mayor's Office
Neil Monckton, Chief of Staff, Mayor's Office
Alvin Singh, Communications Director, Mayor's Office
Kiran Marohn, Acting Fire Chief and General Manager, VFRS
Daniel Stevens, Director, Vancouver Emergency Management Agency
Donnie Rosa, General Manager, Park Board

FROM: Lon LaClaire
General Manager, Engineering Services

SUBJECT: Metro Vancouver Shutdown of First Narrows Crossing Water Main

Metro Vancouver is planning a maintenance shutdown of the water main at the First Narrows crossing. Multiple two-week isolations will take place between November 25th, 2020 to March 2021. The purpose of these isolations is to replace components that have reached the end of their useful lifespan, in support of the future construction of a water main that will take place in the next few years. The City is working closely with Metro Vancouver during this time to ensure Vancouver residents continue to receive good service. Metro Vancouver has provided a detailed issues brief describing the purpose of the isolation test (Appendix A). Metro Vancouver does not anticipate any impact to water supply or quality during the test.

Please contact me directly if you require any further information.



Lon LaClaire, M.Eng., P.Eng.
General Manager, Engineering Services

604.873.7336 | lon.laclaire@vancouver.ca



First Narrows Crossing North Shaft Isolation Valve Chamber Maintenance

Upcoming Work from November 2020 to March 2021

BACKGROUNDER

October 2020

As part of ongoing planned maintenance to ensure reliable delivery of clean, safe drinking water, Metro Vancouver will continue replacing components of the First Narrows Crossing north valve chamber from November 2020 to March 2021.

The First Narrows Crossing, located just east of the Lions Gate Bridge, is one of three major supply corridors connecting Metro Vancouver's source water reservoirs to the communities of the region. The north valve chamber contains underground infrastructure that controls the flow of water through this crossing and some of the equipment in the chamber has reached the end of its useful lifespan and must be replaced.

To ensure crew safety and accommodate equipment installation without impact to water delivery, work is taking place during sequential winter seasons when regional water demand is lowest. Metro Vancouver completed a portion of the maintenance work in 2019 and it is resuming this winter.

For certain portions of the work, Metro Vancouver will need to temporarily stop the flow of water through the First Narrows Crossing. Multiple two-week isolations of the First Narrows Crossing will take place between November 25, 2020 to March 2021. During these isolation periods, water supply will be maintained through an alternate route in Metro Vancouver's transmission system.

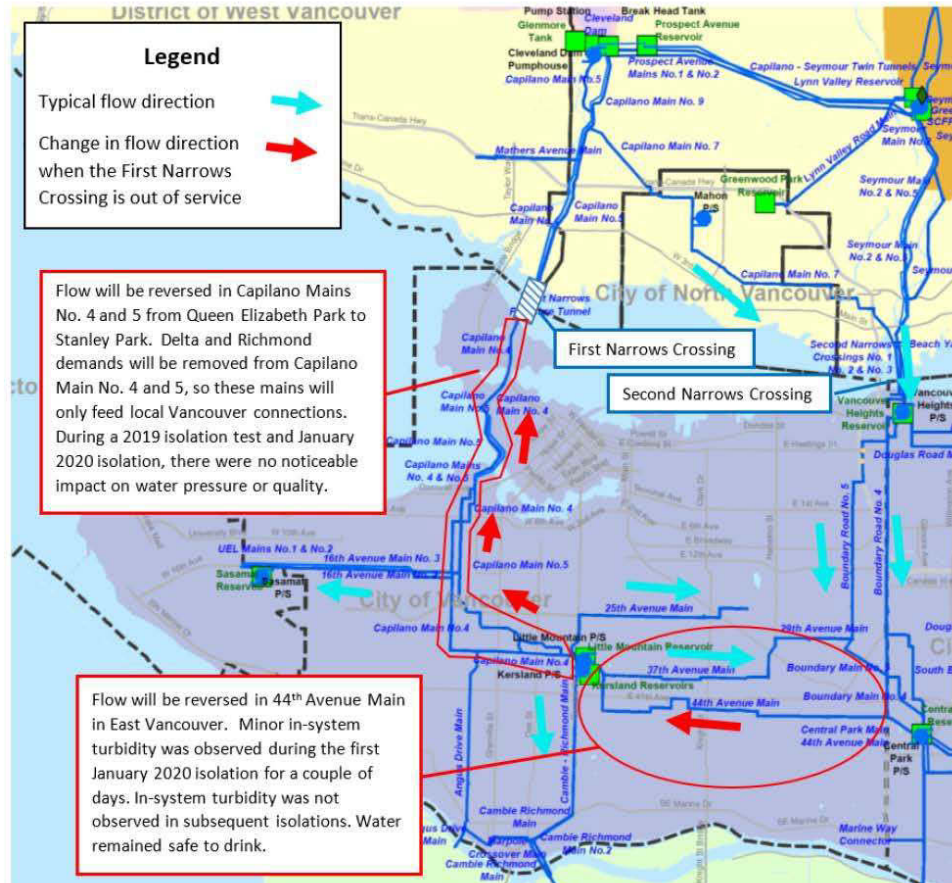
In January 2020, Metro Vancouver successfully isolated the First Narrows Crossing twice for up to a week which confirmed reliable water delivery with negligible impacts to water pressure or quality. A minor amount of in-system turbidity or cloudiness was observed in a localized area near East Vancouver for a couple of days during the first isolation and water remained safe to drink.

This planned maintenance work is being done in close collaboration between Metro Vancouver, City of Vancouver, University Endowment Lands, District of West Vancouver, District of North Vancouver, Squamish Nation and Vancouver Coastal Health.

Contact Information:

Don Bradley, Division Manager, Media & Intergovernment Relations
604-788-2821
Don.Bradley@metrovancover.org

41736305



41736305