



**Interior Health**  
*Every person matters*

August 6, 2020

W – 14-149-00057

Nicola Lakeshore Water Utility Co. Ltd.  
105-1211 McFarlane Way  
Merritt BC V1K 1B9

**Re: Construction Permit No. CP2020-102324 for 40 Unit Strata System Extension  
Additional Reservoir**

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Enclosed is a Construction Permit issued under Section 7 of the Drinking Water Protection Act authorizing your waterworks construction. This Permit is valid for one year only and is non-transferable.

***This permit supersedes CP2018-61153 issued April 11, 2018.***

It is the water purveyor and the design engineer's responsibility to ensure that all the equipment, pipes, valves, fittings, coatings, chemicals and water contact materials comply with the applicable ANSI/AWWA and/or ANSI/NSF Standards (i.e. ANSI/NSF Standard 61, 42, 53&372 etc.),

It is the water purveyor and the design engineer's responsibility to ensure that, following completion of construction or repair, all waterworks are disinfected in accordance with the appropriate A.W.W.A. standard or equivalent.

Sewers

It is the water purveyor's responsibility to ensure an adequate separation of water main from the sanitary and storm sewer. Interior Health guidelines are as follows:

1. A horizontal and vertical separation of water main to storm and sanitary sewer or sewer manhole shall be at least 3m and 0.45m respectively, where the distance being measured from edge of pipe to edge of pipe. The water main shall be above the sewer and with a proper bedding and structure in preventing further pipe deformation. Under no circumstance shall the horizontal separation be less than 1.5m (edge-to-edge).
2. Where extreme conditions prevent to obtain the adequate horizontal and vertical separation, the storm and sanitary sewer shall be constructed of pipe and joint materials, which are equivalent to water main standards.
3. Where the water main crosses below the storm and sanitary sewer, the water main shall be protected with:
  - a) A vertical separation of at least 0.45m (from water main crown to sewer invert),
  - b) All water main and sewer joints within 3m of the crossing shall be wrapped with approved heat shrink wrap ("CANUSA" wrap or approved equivalent)",
  - c) Centering of the length of water main at the point of crossing so that the joints are equidistant from the sewer, and
  - d) Structural support of the sewer to prevent excessive joint deflection and settling.

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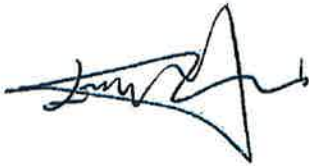
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**INTERIOR HEALTH  
HEALTH PROTECTION**  
519 Columbia St., Kamloops BC V2C 2T8

Further, it is important to protect the water main from any source of pollution (septic tanks, septic absorption field, waste stabilization ponds, feedlots, etc.). If encountered, the water purveyor shall implement the following protection measurement:

1. 10ft (3 meters) and preferably 25ft (7.6m) to be maintained between water main and all septic tanks, septic field, waste stabilization ponds, or any open sewage discharge locations.
2. Under no circumstances shall a waterline extend through a septic tank, sewer manhole, septic absorption field, or feedlot.

Yours truly,



Li Yang (Jeff) Huang, P.Eng.  
Public Health Engineering

LYH/gb

Encl.

cc Kevin Hall, EHO, IHA  
Ministry of Community, Sport and Cultural Development  
John C. N. Watson, P.Eng., Watson Engineering Ltd.



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## Waterworks Construction Permit

This is to certify that, in accordance with Section 7 of the Drinking Water Protection Act, the proposed works have been reviewed and may commence in accordance with the approved plans. See attached.

Water Supply System: Nicola Lakeshore Estates Water System  
Address: DL 530 - KDYD Monk Park Road, Merritt, BC

Facility Number: 14-149-00057  
Permit Number: CP2020-102324 (Supersedes CP2018-61153)

Engineer of Record: John C. N. Watson, P.Eng., Watson Engineering Ltd.  
Address: 760 Seymour Street, Kamloops, BC

Project Location: Nicola Lakeshore Estates subdivision (mid-lake on the northwest shore of Nicola Lake approximately 12 kilometers from Highway 5, at Nicola Ranch), Merritt, BC

Date of Issue: August 6, 2020

Date of Expiry: August 5, 2021



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## Waterworks Construction Permit

NO. CP2020-102324

TO: Nicola Lakeshore Water Utility Co. Ltd.

**THIS IS TO CERTIFY THAT** Drawing No. 1802-11(Rev A), Drawing No. 047812-11(Rev A), Drawing No. 1802-13, Drawing No. 1802-15, all signed and sealed on February 20, 2018, prepared and submitted by Watson Engineering Ltd. portraying the proposed construction and tie-in of 160m<sup>3</sup> of reinforced concrete domestic water reservoir to the existing water distribution system, located at Nicola Lakeshore Estates subdivision (mid-lake on the northwest shore of Nicola Lake approximately 12 kilometers from Highway 5, at Nicola Ranch), Merritt, BC and submitted in accordance with Section 7 of the Drinking Water Protection Act have been reviewed and the proposed work on the construction, alteration or extension may be commenced in accordance with the approved plan.

**NOTE: This permit supersedes CP2018-61153 issued on April 11, 2018.**

*The system must be constructed in accordance with the plans as approved, or with any modifications that may be subsequently approved by the issuing official in writing.*

*This document certifies that the plans and specifications for the proposed works have been reviewed pursuant to the current "Waterworks System Guidelines" issued by the Interior Health and that the plans and specifications meet the health protection requirements outlined in the Guidelines.*

*The Standards of structural adequacy and safety of the works have not been considered and are not the subject of the Permit.*

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**Public Health Engineer**