



## WATER FACILITY EVALUATION REPORT

### Health Protection

Premises Name <b>SCRD North Pender Harbour Water Service Area</b>	Tel: (604) 885-6895 Fax: (604) 885-7909	
Premises Address 1975 Field Road Sechelt, BC V0N 3A1	Inspection Date March 28, 2023	Time Spent 2 hours
Operator (Person in Charge) Codi Abbott/Shane Walkey		
Inspection Type Evaluation		

<b>Observed Violations</b>
There are no observed violations.

<b>Section Details</b>

<b>Comments</b>
<b>Chemical Assessment:</b> Chemical parameters were tested in 2022, and the results of finished water show that health-related chemical parameters (metals) were within the safe levels according to the Guidelines for Canadian Drinking Water Quality. Tests of chlorine disinfection by-products (total haloacetic acids and trihalomethanes) were taken and some of the levels were elevated at one of the collection sites, although further testing is warranted to make a complete assessment. The SCRD continues to investigate options, and establish upgrade budget to maintain concentrations of these by-products as low as reasonably achievable (or ALARA) without compromising the effectiveness of disinfection. From a human health risk perspective, the pathogen control by disinfection treatment processes, including chlorination, is more important.
<b>Bacteriological Assessment:</b> 177 bacteriological samples were collected from the distribution system (7 sample sites). Raw, untreated samples were also collected. The frequency of monitoring samples (bacteria) met the requirements for the permit conditions and met requirements of Schedule B, Drinking Water Protection Regulation.  For total coliforms, the water samples met the potability standard in Schedule A, Drinking Water Protection Regulation. There was 1 occurrence of total coliform detected, and this was thought to be due to sample error. Re-sampling occurred for this instance.  For E. coli testing, the water samples met the potability standard in Schedule A, Drinking Water Protection Regulation.
<b>Summary of Issues &amp; Activity:</b> Updated VCH names and contact info for emergencies has been provided with this report, so that this portion of the ERCP can be updated.  SCRD produced a consolidated annual report for all of their water systems entitled “ <b>2021 UTILITY SERVICES ANNUAL REPORT</b> ” The report summarized activities related to this water system in 2021. The report was prepared, submitted to VCH, and posted online for public viewing. This satisfies a legal requirement under the Drinking Water Protection Act. Please ensure that a similar annual report (for your water system users of all of your water systems) is created by June of 2023, that covers the calendar year of 2022. A water sample range report (PDF version) of all bacteria tests taken in 2022, was provided to the operator with this inspection report.

Intermittent elevated turbidity events occurred at Garden bay Lake, but they were monitored and addressed (chlorine maintained) in a timely and effective manner.

The surface water supplying the water system appears to be under-saturated with respect to alkalinity and hardness; this is a typical characteristic of surface source water, and the pH tests also reflect this. Although the chemical testing indicates the lead levels in distributed water were at acceptable levels, it remains valid 'best practice' advice to flush all taps to cold before use for drinking or food preparation.

The following link has relevant information for the public:

[www.healthlinkbc.ca/healthlinkbc-files/lead-drinking-water](http://www.healthlinkbc.ca/healthlinkbc-files/lead-drinking-water)

Significant issues or changes with water treatment were promptly reported to the DWO when necessary. Construction permits were applied for when necessary. The Permit to Operate conditions were reviewed and no changes to the conditions are warranted at present.

<b>Action Taken</b>
<input checked="" type="checkbox"/> Information Exchanged

<b>Hazard Rating For Your Facility:</b>
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☐

High

☐

Moderate

☒

Low

DWO
DWO Printed Name <b>Darren Molder</b>