North Shore Water Utility Nelson Ltd. Monthly Report

To: Jennifer Beverly, Large Water Systems Environmental Health Officer, Interior Health Authority
From: AquaDiversities Waterworks Inc.
Date: December 19th, 2026
Re: Monthly Report for North Shore Water Utility - **October 2025**

This document includes the following items as part of the monthly report for the North Shore Water Utility Nelson Ltd. (NSWU):

1.0 Daily Water Consumption
2.0 Microbiological Test Results
3.0 Operator Log Sheets and Water Quality Events
4.0 Major Operational Events
5.0 Records of Customer Feedback and Response

Submission of this report is to enhance communication with the local Environment Health Officer (EHO) and meet requirements for status compliance on the conditions summarized in the Operating Permit.

1.0 Daily Water Consumption

Total water consumption in October was 5,166m^3; average daily consumption was 166.6m^3/day. The average flow was 6.94m^3/hr.

2.0 Microbiological Test Results

A sample from both ends of the distribution system is collected and submitted to an accredited laboratory for bimonthly microbiological testing.

All monthly testing results satisfy the Maximum Allowable Concentration (MAC) standard as set out by the Guidelines for Canadian Drinking Water Quality (GCDWQ).

See **Appendix A** for Laboratory Results

3.0 Operator Log Sheets and Water Quality Events

NSWU continues to be tested on an every-other-day schedule as specified by the EHO. The log sheets include comments on the source, treatment, and distribution system events. Log sheets also include information on the weather for the corresponding test date, which helps correlate weather events to turbidity levels.

Throughout the month of October, chlorine residuals were maintained above 0.2 mg/L across the distribution system.

See **Appendix B** for Operator Log Sheets.

4.0 Major Operational Events

Lead testing was completed at the NCSS Christian school per the request of the principal in preparation for an annual inspection.

5.0 Records of Customer Feedback and Response

There were no customer inquiries in the month of October.

Report Reviewed by:



Nicole Ward, BSc.P.Ag. Project Manager

Appendix A
Laboratory Results

Aqua Diversities Inc.

Nelson, BC
www.aquadiversities.com

PASSMORE LABORATORY LTD.

Report# 8634
Filename 251007AD2.pdf

ANALYTICAL RESULTS

Sample ID 570 Johnstone Rd Sample # 1

Date/Time Sampled 2025-10-07 11:30 AM Matrix TW Temperature on Receipt 5 °C

Date/Time on Test 2025-10-07 5:36 PM

Analyses	Result	Units	RDL
Coliforms, Total	less than 1	CFU/100mL	1
Verified E.coli	less than 1	CFU/100mL	1

Glossary of Terms

Less than 1	Less than the Reportable Detection Limit, except under circumstances where the detection limit is higher due to interferences, insufficient sample volume, or dilutions.
APHA	American Public Health Association
CFU/100mL	Colony Forming Units per 100 milliliters
Matrix	SW = Surface water, TW =Treated water, DW= Distribution water, UGW = Untreated Ground water, RW = Raw water
RDL	Reportable Detection Limit

References

PASSMORE LABORATORY LTD.

Report# 8633
Filename 251007AD1.pdf

ANALYTICAL RESULTS

Sample ID Main Jet Sample # 1

Date/Time Sampled 2025-10-07 11:00 AM Matrix TW Temperature on Receipt 5 °C

Date/Time on Test 2025-10-07 5:31 PM

Analyses	Result	Units	RDL
Coliforms, Total	less than 1	CFU/100mL	1
Verified E.coli	less than 1	CFU/100mL	1

Glossary of Terms

Less than 1	Less than the Reportable Detection Limit, except under circumstances where the detection limit is higher due to interferences, insufficient sample volume, or dilutions.
APHA	American Public Health Association
CFU/100mL	Colony Forming Units per 100 milliliters
Matrix	SW = Surface water, TW =Treated water, DW= Distribution water, UGW = Untreated Ground water, RW = Raw water
RDL	Reportable Detection Limit

References

PASSMORE LABORATORY LTD.

Report# 8684
Filename 251021AD2.pdf

ANALYTICAL RESULTS

Sample ID 570 Johnstone Rd — Sample # 1
Date/Time Sampled 2025-10-21 10:45 AM Matrix TW — Temperature on Receipt 7 °C
Date/Time on Test 2025-10-21 4:20 PM

Analyses	Result	Units	RDL
Coliforms, Total	less than 1	CFU/100mL	1
Verified E.coli	less than 1	CFU/100mL	1

Glossary of Terms

Less than 1	Less than the Reportable Detection Limit, except under circumstances where the detection limit is higher due to interferences, insufficient sample volume, or dilutions.
APHA	American Public Health Association
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RDL	Reportable Detection Limit

References

PASSMORE LABORATORY LTD.

Report# 8683
Filename 251021AD1.pdf

ANALYTICAL RESULTS

Sample ID Main Jet — Sample # 1
Date/Time Sampled 2025-10-21 10:30 AM Matrix TW — Temperature on Receipt 7 °C
Date/Time on Test 2025-10-21 4:15 PM

Analyses	Result	Units	RDL
Coliforms, Total	less than 1	CFU/100mL	1
Verified E.coli	less than 1	CFU/100mL	1

Glossary of Terms

Less than 1	Less than the Reportable Detection Limit, except under circumstances where the detection limit is higher due to interferences, insufficient sample volume, or dilutions.
APHA	American Public Health Association
CFU/100mL	Colony Forming Units per 100 milliliters
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RDL	Reportable Detection Limit

References

Appendix B
Operator Log Sheet

NORTH WATER SHORE UTILITY Nelson Ltd.

NSWU Operator Log

Month: Oct-25

Date	Time	Cl2 Pump Setting	CL2 pump duration	CL2 pump frequency	Raw Water Turbidity (Res.)	CL2 Residual (Res.)	Cl2 Pump Setting	Raw Water Turbidity (Res.)	CL2 Residual (Res.)	CL2 Residual (Dist.) MainJet	CL2 Residual (Dist.) 570 Johnstone Rd	Flow Meter Reading	Comments	Weather	Sampled By
MM/DD/YYYY	24:00:00	Isaac Cr. (1-10)			Isaac Cr. NTU	Isaac Cr. mg/L	Sutherland Cr.(1-10)	Sutherland Cr. NTU	Sutherland Cr. mg/L	mg/L	mg/L	m3/Hr	Microbiological Sample Taken/Filter Change/Etc.	Precip./Temp.	
10/1/2025															
10/2/2025	10:26	40%	8.00	12.00	0.19	0.76	4	0.4	0.39	0.69	0.39	145997	turned Sutherland pump up to 4 from 3.5	11C	JG
10/3/2025															
10/4/2025															
10/5/2025															
10/6/2025															
10/7/2025	9:00	40%	8.00	12.00	0.09	0.74	4	-	-	0.37	0.81	-	topped up CL2 at Isaac		JG
10/8/2025								0.4	0.51			147268			JG
10/9/2025	10:25	40%	8.00	12.00	0.18	0.78	4	0.2	0.27	0.81	0.76	147445	took sutherland reservoir offline	19C	JG
10/10/2025															
10/11/2025	8:00	40%	8.00	12.00	0.18	0.65	-	-	-	-	-				JG
10/12/2025															
10/13/2025															
10/14/2025	10:00	40%	8.00	12.00	0.2	0.85	-	-	-	0.58	0.43				JG
10/15/2025												148552			
10/16/2025	8:45	40%	8	12	0.19	0.91	-	-	-	0.74	0.39	148719			JG
10/17/2025															
10/18/2025	9:04	40%	8	12	0.2	0.93	-	-	-	-	-	-			JG
10/19/2025													High NTU Alarm@1900. Cleaned sensor. suspect pressu		JG
10/20/2025															
10/21/2025	8:43	40%	8	12	0.18	0.77	-	--	-	0.57	0.56	149599	High NTU. added pressure to expansion tank which see		JG
10/22/2025															
10/23/2025	9:29	40%	8	12	0.18	0.84	-	-	-	0.67	0.48	149959			JG
10/24/2025															
10/25/2025	8:00	40%	8	12	0.14	0.94	-	-	-	-	-	-			JG
10/26/2025															
10/27/2025												150636			
10/28/2025	12:42	40%	8	13	0.18	0.68	-	-	-	0.82	0.52	150844	increased frequency as CL@ was creeping up		JG/FD
10/29/2025															
10/30/2025	9:50	40%	8	13	0.14	0.93	-	-	-	0.57	0.8	151163			JG
10/31/2025															
Reading of flow meter for Sunny Side trailer court (to be recorded once a month)						179446			Date: Oct 28th						
											total flow	5166			