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 13th, 2026
Re: Monthly Report for North Shore Water Utility - **November 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 September was 4,778m^3; average daily consumption was 159.3m^3/day. The average flow was 6.64m^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 November, 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

There were no major operational events in November.

5.0 Records of Customer Feedback and Response

There were no customer inquiries in the month of November.

Report Reviewed by:



Nicole Ward, BSc.P.Ag. Project Manager

Appendix A
Laboratory Results

PASSMORE LABORATORY LTD.

Report# 8796
Filename 251125AD1.pdf

ANALYTICAL RESULTS

Sample ID Main Jet — Sample # 1
Date/Time Sampled 2025-11-25 10:00 AM — Matrix TW — Temperature on Receipt 6 °C
Date/Time on Test 2025-11-25 4:05 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

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PASSMORE LABORATORY LTD.

Report# 8731
Filename 251104AD2.pdf

ANALYTICAL RESULTS

Sample ID 570 Johnstone Rd Sample # 1
Date/Time Sampled 2025-11-04 12:30 PM Matrix TW Temperature on Receipt 9 °C
Date/Time on Test 2025-11-04 4:47 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

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PASSMORE LABORATORY LTD.

Report# 8732
Filename 251104AD1.pdf

ANALYTICAL RESULTS

Sample ID Main Jet — Sample # 1
Date/Time Sampled 2025-11-04 12:00 PM — Matrix TW — Temperature on Receipt 10 °C
Date/Time on Test 2025-11-04 4:45 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

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PASSMORE LABORATORY LTD.

Report# 8797
Filename 251125AD2.pdf

ANALYTICAL RESULTS

Sample ID 570 Johnstone Rd Sample # 1
Date/Time Sampled 2025-11-25 9:30 AM Matrix TW Temperature on Receipt 7 °C
Date/Time on Test 2025-11-25 4:10 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

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Appendix B
Operator Log Sheet

NORTH WATER SHORE UTILITY Nelson Ltd.

NSWU Operator Log

Month: Nov-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	
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.	Sampled By
11/8/2025	8:00	40%	8.00	13.00	0.16	1.03	-	-	-	-	-	-			
11/9/2025															
11/10/2025															
11/11/2025															
11/12/2025	15:31	40%	8.00	13.00	0.16	0.76	-	-	-	-	0.62	153446	Main jet undergoing plumbing repairs so water was innaccessible		JG
11/13/2025															
11/14/2025	11:02	40%	8.00	13.00	3.7	0.52	-	-	-	0.47	0.29	153750	extreme rains yesterday and overnith affecting tannins		
11/15/2025															
11/16/2025															JG
11/17/2025															
11/18/2025	11:00	40%	10	12	0.7	0.79	-	-	-	0.5	0.55	154454			JG
11/19/2025													Cleaned Isaac Reservoir of all silt accumulations		
11/20/2025	10:00	40	10	12	0.15	0.58	-	-	-	0.63	0.45	154779	Cleaned Sutherland intake of silt and leaves		JG
11/21/2025															
11/22/2025	8:00	40%	10	12	0.18	0.94	-	-	-	-	-	-			
11/23/2025															
11/24/2025	15:31	40%	10	12	0.13	0.74	-	-	-	0.37	0.36	155626	Microbac sample taken		JG
11/25/2025															
11/26/2025															
11/27/2025	12:34	40%	10	12	0.15	0.81	-	-	-	0.61	0.61	155941	Refilled chlorine tank at Isaac		JG
11/28/2025															
11/29/2025	8:00	40%	10	12	0.16	0.83	-	-	-	-	-	-	Started reading treated NTU instead of RAW		FD
11/30/2025															
Reading of flow meter for Sunny Side trailer court (to be recorded once a month)							195834	Date:	November 25th						
											total flow	4778			

Appendix C
Field Memos