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: April 15, 2026
Re: Monthly Report for North Shore Water Utility – **March 2026**

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 March was 5,683 m^3; average daily consumption was 183.3m^3/day. The average flow was 7.638m^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 March, 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

For the month of March there were no major events.

See **Appendix C** for field work memos.

5.0 Records of Customer Feedback and Response

There were no customer inquiries or feedback forms reported during the month of March.

Report Reviewed by:

Nicole Ward, BSc.P.Ag. Project Manager

Appendix A
Laboratory Results

PASSMORE LABORATORY LTD.

Report# 9106
Filename 260303AD.pcf

ANALYTICAL RESULTS

Sample ID Main Jet — Sample # 1
Date/Time Sampled 2026-03-03 11:30 AM — Matrix TW — Temperature on Receipt 6 °C
Date/Time on Test 2026-03-03 4:51 PM

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

Sample ID NCCS 570 Johnstone Rd. — Sample # 2
Date/Time Sampled 2026-03-03 11:40 AM — Matrix TW — Temperature on Receipt 4 °C
Date/Time on Test 2026-03-03 4:54 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# 9154
Filename 260317AD.pcf

ANALYTICAL RESULTS

Sample ID Main Jet — Sample # 1
Date/Time Sampled 2026-03-17 11:00 AM — Matrix TW — Temperature on Receipt 6 °C
Date/Time on Test 2026-03-17 4:30 PM

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

Sample ID 570 Johnstone Rd — Sample # 2
Date/Time Sampled 2026-03-17 11:00 AM — Matrix TW — Temperature on Receipt 7 °C
Date/Time on Test 2026-03-17 4:34 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 Detect on Limit

References

March 19, 2026

PASSMORE LABORATORY LTD.

Report# 9200
Filename 260331AD.pdf

ANALYTICAL RESULTS

Sample ID Mainjet Motorsports Sample # 1
Date/Time Sampled 2026-03-31 11:00 AM Matrix TW Temperature on Receipt 4 °C
Date/Time on Test 2026-03-31 4:49 PM

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

Sample ID NCCS 570 Johnstone Rd. Sample # 2
Date/Time Sampled 2026-03-31 11:00 AM Matrix TW Temperature on Receipt 5 °C
Date/Time on Test 2026-03-31 4:52 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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Appendix B
Operator Log Sheet

NSWU Operator Lo

Month: Mar-26

						Main Jet	570 Johnstone Rd				
Date	Time	CL2 pump duration	CL2 pump frequency	Treated Water Turbidity (Res.)	CL2 Residual (Res.)	CL2 Residual (Dist.)	CL2 Residual (Dist.)	Meter reading reading from HMI	Comments	Weather	
MM/DD/YYYY	24:00:00			Isaac Cr. NTU	Isaac Cr. mg/L	mg/L	Isaac		Microbiological Sample Taken/Filter Change/Etc.	Precip./Temp.	Sampled By
1/1/2026								172285.00			
1/2/2026											
1/3/2026	11:30	17.00	20.00	0.45	0.87	0.73	0.71	172731	MB sample taken for nswu	5C cloudy	TW
1/4/2026											
1/5/2026	1;00	17.00	20.00		0.64	0.97	0.99	173079		4C rainy	TW
1/6/2026											
1/7/2026	8:00	17.00	20.00	0.53	0.79	-	-	-	-		DM
1/8/2026											
1/9/2026											
1/10/2026	1:00	15.00	20.00	0.64	0.69	1.13	0.55	173989	Turned down cl2 pump to 15, cl2 higher at MJ	-2 sunny	TW, DM,JG
1/11/2026											
1/12/2026											
1/13/2026	10:30	15.00	20.00	0.49	0.65	0.84	0.84	174450	Cleaned Isaac intake	1C Mostly cloudy	DM
1/14/2026	8:00	15.00	20.00	0.44	0.95	-	-	-		Sunny	DM
1/15/2026											
1/16/2026											
1/17/2026	11:00	15	20	0.44	0.64	1.11	0.12	175161	MB Samples, topped up CL2, calibrate CL2 analyzer	8C Mostly cloudy	DM/FD
1/18/2026											
1/19/2026	12:30	17	20	2.41	0.87	0.64	0.74	175497	MJ - 1.24NTU NCCS - 1.18NTU	Moderate Rain 9C	DM
1/20/2026	9:00	19	20	4	0.67	-	-		increased Cl2 pump speed to %70	Very heavy rain	DM/FD
1/21/2026											
1/22/2026											
1/23/2026	9:30	18	20	3.32	0.75	0.5	0.44	176325	Cleaned isaac Intake &NTU meter & drainage bars	Sunny	DM
1/24/2026											
1/25/2026	5:30								replaced tube and rollers in Cl2 dosing pump	rain	FD
1/26/2026	12:00	12	20	1.75	0.9	0.66	0.37	176889		sunny	TW
1/27/2026											
1/28/2026											
1/29/2026	8:00			1.14	0.62	-	-				
1/30/2026											
1/31/2026	11:00	14	20	1.32	0.85	0.77	0.54	177968			DM
Reading of flow meter for Sunny Side trailer court (to be recorded once a month)							289460 gallons March 17th				