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 – **February 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 February was 5,129 m^3; average daily consumption was 183.2m^3/day. The average flow was 7.632m^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 February, 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

A leak in the system was detected and repaired at 528 Johnstone Rd.

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 February.

Report Reviewed by:

Nicole Ward, BSc.P.Ag. Project Manager

Appendix A
Laboratory Results

PASSMORE LABORATORY LTD.

Report# 9018
Filename 260203AD.pdf

ANALYTICAL RESULTS

Sample ID 570 Johnstone Rd — Sample # 1
Date/Time Sampled 2026-02-03 2:00 PM — Matrix DW — Temperature on Receipt 10 °C
Date/Time on Test 2026-02-03 4:15 PM

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

Sample ID Main Jet — Sample # 2
Date/Time Sampled 2026-02-03 2:15 PM — Matrix DW — Temperature on Receipt 11 °C
Date/Time on Test 2026-02-03 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
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# 9062
Filename 260217AD.pcf

ANALYTICAL RESULTS

Sample ID	Main Jet				Sample #	1
Date/Time Sampled	2026-02-17	12:30 PM	Matrix	DW	Temperature on Receipt	5 °C
Date/Time on Test	2026-02-17	5:47 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	2026-02-17	12:30 PM	Matrix	DW	Temperature on Receipt	5 °C
Date/Time on Test	2026-02-17	5:50 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

Appendix B
Operator Log Sheet

Month: Feb-26

Date	Time	CL2 pump duration	CL2 pump frequency	Treated Water Turbidity (Res.)	CL2 Residual (Res.)	CL2 Residual (Dist.) MainJet	CL2 Residual (Dist.) 570 Johnstone Rd	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								167156.00			
1/2/2026	10:00	17.00	20.00						adjusted CL2 pump duration		FD
1/3/2026	13:00	17.00	20.00	0.51	0.89	0.96	0.87	167618	MB samples submitted	3C cloudy	TW
1/4/2026											
1/5/2026	12:00	17.00	20.00	0.49	0.66	0.61	0.57	168125	testing, topped up CL2	7C cloudy	TW/FD
1/6/2026											
1/7/2026											
1/8/2026											
1/9/2026											
1/10/2026	12:00	17.00	20.00	0.46	0.77	0.8	0.8	169032		1C cloudy	TW
1/11/2026											
1/12/2026	12:00	17.00	20.00	0.43	0.64	0.84	0.51	169375.00		1C cloudy	TW
1/13/2026											
1/14/2026											
1/15/2026											
1/16/2026											
1/17/2026	12;30	17	20	0.45	0.76	0.92	0.71	170249	MB samples taken and submitted	2 couldy	
1/18/2026											
1/19/2026	12;00	17	20	0.49	0.82	0.51	0.64	17062		-5 cloudy	TW
1/20/2026											
1/21/2026											
1/22/2026											
1/23/2026											
1/24/2026	1;00	17	20	0.54	0.84	0.67	0.82	171494	topped up CL2	1C sunny	TW/FD
1/25/2026											
1/26/2026	12:00	17	20	0.51	0.97	0.58	0.52	171840		1C cloudy	TW
1/27/2026											
1/28/2026											
1/29/2026											
1/30/2026											
1/31/2026											

Reading of flow meter for Sunny Side trailer court (to be recorded once a month) 231708 gallons Feb 24th

Appendix C
Field Memos

2026

FIELD WORK MEMO

DATE: FEB 5TH-6TH TIME: 4HRS VEHICLE: PERSONAL ☐ COMPANY ☐ DISTANCE:

PROJECT: 14-017 NSWU 528 JOHNSTONE TYPE OF WORKS: LEAK INVESTIGATION

WORKS REQUESTED:

FIELD TECH: FD SITE REP: ☐ YES / ☐ NO GRAHAM NORRIS & MARK TINHOLT

MATERIALS: IN STOCK ☐ PURCHASED ☐ RECEIPTS: ☐ YES / ☐ NO

-2X 1" MUNICIPAL COUPLINGS

DESCRIPTION OF WORKS COMPLETED: PICTURES: ☐ YES / ☐ NO

-CLOSED CURBSTOPS TO SEE IF LEAK STOPED / OPENING & CLOSING
-SCANNING HILLSIDE, EVENTUALLY FOUND LOCATION OF LEAK
-LOCATED GAS LINE ABOVE WATERLINE
-LEAK IS ON CUSTOMER SIDE OF CURBSTOP
-SUPPORT OVER PHONE FOR PLUMBING REPAIR
-SUPPLY FITTINGS

WORKS COMPLETED: ☐ YES / ☐ NO

ANTICIPATED RETURN DATE:

FUTURE WORKS:

MATERIALS REQUIRED: DO PARTS NEED TO BE ORDERED? ☐ YES / ☐ NO

ADDITIONAL NOTES/SKETCHES: