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: August 29th, 2026
Re: Monthly Report for North Shore Water Utility – **July 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 July was 7,138 m^3; average daily consumption was 230 m^3/day. The average flow was 9.59 m^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 July, 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 July 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 July.

Report Reviewed by:

Nicole Ward, BSc.P.Ag. Project Manager

Appendix A
Laboratory Results

PASSMORE LABORATORY LTD.

Report# 9582
Filename 260721AD.pdf

ANALYTICAL RESULTS

Sample ID Mainjet Motorsports — Sample # 1
Date/Time Sampled 2026-07-20 11:00 AM Matrix DW — Temperature on Receipt 13 °C
Date/Time on Test 2026-07-21 4:50 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 2026-07-20 11:00 AM Matrix DW — Temperature on Receipt 12 °C
Date/Time on Test 2026-07-21 4:55 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 *May differ if less than 100ml is used.

References

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Appendix B
Operator Log Sheet

Month:	July								Sunnyside trailerpark flow meter:	290,754				
Date	Time	Cl2 pump duration	Cl2 pump frequency	Treated Water Turbidity (Res.)	Cl2 Residual (Res.)	Cl2 Pump Setting	Water Turbidity (Res.)	Cl2 Residual (Res.)	Mainlet Cl2 Residual (Dist.)	570 Johnstone Rd Cl2 Residual (Dist.)	Flow meter reading from HMI	Comments	Weather	
MM/DD/YYYY	24:00:00	Isaac Cr	Isaac Cr	Isaac Cr. NTU	Isaac Cr. mg/L	Sutherland Cr.(1-10)	Sutherland Cr. NTU	Sutherland Cr. mg/L	mg/L	mg/L		Microbiological Sample Taken/Filter Change/Etc.	Precip./Temp.	Initial
7/1/2026														
7/2/2026														
7/3/2026														
7/4/2026	12:00	11	20	0.5	0.81	6.5	0.74	0.81	-	-			Ligfht rain	TW
7/5/2026														
7/6/2026														
7/7/2026	12:00	11	20	0.52	0.68	6.5	0.67	0.64	0.92	0.72			Sunny	TW
7/8/2026														
7/9/2026	12:00	11	20	0.56	0.8	6.5	0.72	0.8	0.81	0.65			Sunny	TW
7/10/2026														
7/11/2026	12:00	11	20	0.54	0.82	6.5	-	-	-	-			Sunny	TW
7/12/2026														
7/13/2026														
7/14/2026	12:00	11	20	0.49	0.75	6	0.84	0.88	1	0.71	200933	Changed sutherland cl2 pump setting to 6	light rain, warm	TW
7/15/2026														
7/16/2026	12:00	11	20	0.55	0.81	6.5	0.67	0.63	0.79	0.56	201413	set cl2 pump back to 6.5	sunny	TW
7/17/2026														
7/18/2026														
7/19/2026														
7/20/2026	11:30	11	20	0.59	0.73	6.5	0.81	0.72	0.75	0.59			sun	FD
7/21/2026														
7/22/2026	12:00	11	20	0.57	0.84	6.5	1.2	0.54	0.82	1.03	202917	flushed intake at sutherland because of high turbidity levels	hot and smokey	TW
7/23/2026	4:00	11	20	0.51		6.5	0.83	1.6	0.89	0.94	203286	cleaned sutherland intake	hot and smokey	TW
7/24/2026	8:00	11	20	0.55	0.75	6.5	-	-	-	-	-			FD
7/25/2026														
7/26/2026														
7/27/2026														
7/28/2026	12:00	11	20	0.58	0.81	7	0.89	0.58	0.84	0.57	204526	cleaned issac intake, topped up cl2 and changed cl2 pump at sutherland to 7	hot and smokey	
7/29/2026														
7/30/2026	12:00	11	20	0.45	0.89	7	0.94	0.54	1.09	0.86				
7/31/2026	11:00						0.91	0.98						