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: September 11th, 2026
Re: Monthly Report for North Shore Water Utility – **August 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 August was 7,138 m^3; average daily consumption was 291 m^3/day. The average flow was 12.11 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 August, 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

The distribution system was flushed on August 17th and 18th.

Between August 21st and 26th, a check valve was installed and components were replaced for the chlorine analyzer, and lots of basic locating work and maintenance was completed on the distribution system.

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 August.

Report Reviewed by:

Nicole Ward, BSc.P.Ag. Project Manager

Appendix A
Laboratory Results

PASSMORE LABORATORY LTD.

Report# 9627
Filename 260804AD.pdf

ANALYTICAL RESULTS

Sample ID Mainjet Motorsports — Sample # 1
Date/Time Sampled 2026-08-04 11:00 AM — Matrix TW — Temperature on Receipt 8 °C
Date/Time on Test 2026-08-04 5:12 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 2026-08-04 11:00 AM — Matrix TW — Temperature on Receipt 8 °C
Date/Time on Test 2026-08-04 5:16 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

PASSMORE LABORATORY LTD.

Report# 9684
Filename 260818AD.pdf

ANALYTICAL RESULTS

Sample ID Mainjet Motorsports — Sample # 1
Date/Time Sampled 2026-08-18 11:00 AM Matrix TW — Temperature on Receipt 14 °C
Date/Time on Test 2026-08-18 3:38 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 2026-08-18 11:00 AM Matrix TW — Temperature on Receipt 12 °C
Date/Time on Test 2026-08-18 3:41 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

Appendix B
Operator Log Sheet

Month:	August						Sunnyside trailerpark flow meter:			305,122			
Date	Time	Cl2 pump duration	Cl2 pump frequency	Treated Water Turbidity (Res.)	Cl2 Residual (Res.)	Cl2 Pump Setting	Water Turbidity (Res.)	Cl2 Residual (Res.)	MainJet Cl2 Residual (Dist.)	570 Johnstone Rd Cl2 Residual (Dist.)	Flow meter reading from HMI	Comments	
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 C	Initial
08/01/2026													
08/02/2026													
08/03/2026													
08/04/2026	12:00	11	20			7	0.68	0.94	1.03	0.3		Microbac	FD
08/05/2026													
08/06/2026	12:00	11	20					0.94	1.12	0.4			FD
08/07/2026													
08/08/2026													
08/09/2026													
08/10/2026													
08/11/2026	12:00	11	20			7		0.99	0.96	0.24			FD
08/12/2026													
08/13/2026	12:00	11	20			7	0.66	1.09	1.02	0.24			FD
08/14/2026													
08/15/2026													
08/16/2026													
08/17/2026													
08/18/2026	12:00	11	20	0.58	0.92	7	0.98	0.78	0.8	0.65		Microbac, flushing	FD
08/19/2026													
08/20/2026													
08/21/2026													
08/22/2026													
08/23/2026													
08/24/2026													
08/25/2026	12:00	11	20			7	0.75	0	0.71	0.23			FD
08/26/2026													
08/27/2026													
08/28/2026	12:00	11	20	0.62	0.82	6.75	0.74	1.11	0.81	0.73			FD
08/29/2026													
08/30/2026													
08/31/2026													

Appendix C
Field Memos

Aqua Diversities Inc.
Water & Wastewater Treatment Technology

FIELD WORK MEMO

DATE: August 17th-18th **TIME:** 14hrs each **DISTANCE:**

PROJECT: 14-017 NSWU **TYPE OF WORKS:** Flushing

WORK REQUESTED:

FIELD TECH: DM/ FD **SITE REP (Y/N):** **IF YES, NAME:**

MATERIALS: IN STOCK ☐ PURCHASED ☐ **RECEIPTS:** YES, ATTACHED: ☐ NO ☐

DESCRIPTION OF WORK COMPLETED: **PICTURES:** YES ☐ NO ☐

-Alert went out to water users week before, sandwich boards were also put up.
-Gathering materials and going over procedure.
-Flushing distribution system as per procedure.
-Removed signs once flushing was completed.
-Drying hoses and putting materials away.

ANTICIPATED RETURN DATE:

FUTURE WORK:

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

ADDITIONAL NOTES/SKETCHES:

-Additional work included weedwacking around hydrants, lubricating isolation valve li

-New diffuser and hoses worked great, will build a second diffuser

Aqua diversities Waterworks Inc. Field Work Memo- 2026.06.26

Aqua Diversities Inc.
Water & Wastewater Treatment Technology

FIELD WORK MEMO

DATE: AUG 21, 24, 25, 26 2026 TIME: 7 HRS DISTANCE: _____

PROJECT: 14-017 NSWU TYPE OF WORKS: O&M

WORK REQUESTED: _____

FIELD TECH: DM / FO SITE REP (Y/N): _____ IF YES, NAME: _____

MATERIALS: IN STOCK ☐ PURCHASED ☐ RECEIPTS: YES, ATTACHED: ☐ NO ☐

DESCRIPTION OF WORK COMPLETED: PICTURES: YES ☐ NO ☐

- INSTALLED CHECK VALVE FOR CL2 ANALYZER BOOSTER PUMP
- REPLACED ELECTROLYTE & MEMBRANE IN CL2 ANALYZER
- RE TIGHTENED LIDS AFTER FLUSHING
- REPLACED AIR ADMITTANCE VALVE
- LOOKING FOR CURBSTOPS @ 6488 676 JOHNSTONE RD - NO LUCK - DOCUMENTED
- INSTALLED MISSING HYDRANT FLAG
- TRIMED PIPE IN SERVICE BOX THAT WAS PREVENTING LID FROM CLOSING
- MODIFIED CURBSTOP KEYS

ANTICIPATED RETURN DATE: _____

FUTURE WORK:

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

ADDITIONAL NOTES/SKETCHES: