

## North Shore Water Utility Nelson Ltd. Monthly Report

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**To:** Pouria Mojtahedi, Large Water Systems Environmental Health Officer, Interior Health Authority  
**From:** Aqua Diversities Waterworks Inc.  
**Date:** July 12, 2024  
**Re:** Monthly Report for North Shore Water Utility - **June 2024**

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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 June was 5,864m<sup>3</sup>; average daily consumption was 195.46m<sup>3</sup>/day. The average flow was 8.1 m<sup>3</sup>/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 June, chlorine residuals were maintained above 0.71 mg/L across the distribution system.

See **Appendix B** for Operator Log Sheets.

#### **4.0 Major Operational Events**

On June 25<sup>th</sup> Sutherland reservoir was put online with the increase in water demand. On June 27<sup>th</sup> and 28<sup>th</sup> flushing of the distribution system was done.

#### **5.0 Records of Customer Feedback and Response**

There were no customer inquiries in the month of May.

Report Reviewed by:



Nicole Ward, BSc.P.Ag. Project Manager

# Appendix A

## Laboratory Results

**ANALYTICAL RESULTS**

Sample ID	Main Jet				Sample #	1
Date/Time Sampled	2024-06-18	11:00 AM	Matrix	TW	Temperature on Receipt	11

Date/Time on Test 2024-06-18 5:35 PM

<u>Analyses</u>	<u>Result</u>	<u>Units</u>	<u>RDL</u>
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	2024-06-18	11:00 AM	Matrix	TW	Temperature on Receipt	11

Date/Time on Test 2024-06-18 5:35 PM

<u>Analyses</u>	<u>Result</u>	<u>Units</u>	<u>RDL</u>
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**

## ANALYTICAL RESULTS

Sample ID	Main Jet			Sample #	1	
Date/Time Sampled	2024-06-04	11:00 AM	Matrix	TW	Temperature on Receipt	10

Date/Time on Test 2024-06-04 4:20 PM

<u>Analyses</u>	<u>Result</u>	<u>Units</u>	<u>RDL</u>
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	2024-06-04	11:00 AM	Matrix	TW	Temperature on Receipt	13

Date/Time on Test 2024-06-04 4:25 PM

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

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### References

# Appendix B

## Operator Log Sheet

