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## 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 Inc., Nathan Ward, WQT, Level 2 EOCP Water Operator  
**Date:** April 25<sup>th</sup> 2018  
**Re:** Monthly Report for North Shore Water Utility – **March 2018**

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This document includes the following items as part of 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 5,003.5m<sup>3</sup>; average daily consumption was 161.4m<sup>3</sup>/day. Average flow was 6.7 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 source, treatment, and distribution system events. Log sheets also include information on 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

Isaac is currently in operation providing water to the community while the Sutherland reservoir is being held in reserve.

In March there was one power outage lasting approximately 2 hours. There was no disruption in water service to the NSWU community. The emergency response plan (ERP) utilized during the power outage allowed for the normal operations of the water system to continue uninterrupted.

On March 23<sup>rd</sup> a request was made to locate the curb stop at 524 Johnstone Rd. The curb stop was located and the owner made aware of its location. See Field Memos in **Appendix C**.

The pilot plant located in the Isaac Creek reservoir building continues to operate with the treated water going to waste (as per direction from EHE Marianne Crowe).

#### 5.0 Records of Customer Feedback and Response

There was no record of customer feedback for the month of March.

Report Reviewed by:



Nathan Ward, EOCP Operator 4130