
North Shore Water Utility Nelson Ltd. Monthly Report

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: February 21st, 2018
Re: Monthly Report for North Shore Water Utility – **January 2018**

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 December was 4,586.7 m³; average daily consumption was 158.2 m³/day. Average flow was 6.6 m³/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 January, chlorine residuals were maintained above 0.45 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.

Note that 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).

On January 30th, 2018 there was a power outage lasting approximately 6 hours. There was no disruption in water quality 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.

5.0 Records of Customer Feedback and Response

On January 4th, 2018 Aqua Diversities was called to respond to a request to locate and turnoff a curb stop water shutoff for 689 Johnstone Rd. The curb stop was located and turned off to allow for repairs to be made to the water lines on the property. The curb stop has been identified with a stake and paint. A copy of the field memo for this callout can be found in **Appendix C**.

Report Reviewed by:



Nathan Ward, EOCP Operator 4130