
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: May 3rd, 2018
Re: Monthly Report for North Shore Water Utility – **April 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 April was 4,673 m³; average daily consumption was 155.8 m³/day. Average flow was 6.5 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.

On Feb 8th turbidity went above 1.0 NTU due to heavy rainfall and rapid snowmelt and a *Water Quality Advisory* was issued. This advisory remains in effect with turbidity fluctuating above 1.0 NTU due to snowmelt and precipitation. Posted signage and the website notice will be removed upon a stabilized turbidity below 1.0 NTU and in consultation with the EHO.

Throughout the month of April, 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.

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).

5.0 Records of Customer Feedback and Response

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

Report Reviewed by:



Nathan Ward, EOCP Operator 4130