
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: June 27th 2018
Re: Monthly Report for North Shore Water Utility – **May 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 May was 7,780.7 m³; average daily consumption was 155.8 m³/day. Average flow was 10.5 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.

The turbidity of the water entering the distribution system has improved throughout the month of May, however the NTU levels of the water continues to surpass those recommended by the Canadian

Guidelines for Drinking Water Quality. Due to these higher than recommended levels the Water Quality Advisory will remain in effect moving into the month of June.

Throughout the month of May, chlorine residuals were maintained above 0.4 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. It is anticipated that the Sutherland reservoir will be activated at some point over the summer in order to accommodate the increase in demand from irrigation and recreation.

The intakes, both Isaac and Sutherland, were cleaned May 7th.

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 May.

Report Reviewed by:



Nathan Ward, EOCP Operator 4130