
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: July 12, 2017
Re: Monthly Report for North Shore Water Utility -**June 2017**

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 8,521 m³; average daily consumption was 284 m³/day. Average flow was 11.83 m³/hr.

2.0 Microbiological Test Results

A sample from both ends of the distribution system is collected and submitted to Passmore Laboratory Ltd. 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.

A *Water Quality Advisory* remains in effect as raw water turbidity continues to measure above 1.0 NTU. 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 June, chlorine residuals were maintained above 0.5 mg/L across the distribution system.

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

4.0 Major Operational Events

The Sutherland Creek reservoir was prepared, chlorinated and put on stand-by (See **Appendix C** for Field Memo).

There were no other major events to report for the month of June. In the event of a major operational event or Emergency Response a report can be found documented in **Appendix D**.

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). In 2017, Aqua Diversities will be working with IHA through the construction permit process with the intent to connect the treatment system to NSWU (divert treated water into the storage tank and convert controls from the antiquated system over to the new system).

5.0 Records of Customer Feedback and Response

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

Report Reviewed by:



Nathan Ward, EOCP Operator 4130