



WATER FACILITY INSPECTION REPORT

Health Protection

Premises Name SCRD Egmont Water System	Tel: (604) 885-6895 Fax: (604) 885-7909	
Premises Address 1975 Field Road Sechelt, BC V0N 3A1	Inspection Date December 06, 2023	Time Spent 1 hour
Operator (Person in Charge) Codi Abbott/Shane Walkey		
Inspection Type Routine		

Observed Violations
There are no observed violations.

Section Details

Comments

A routine water system inspection was carried out by Drinking Water Officers: Michael Nguyen, Darren Molder and Jack Davidson with water operators Ashley Grey.

System Overview:
A surface water intake draws water from Waugh Lake. Water is directed through a water treatment plant where it is treated with chlorine and UV. SCADA is used to monitor the entire treatment, storage and distribution system. Water operator is very diligent and the SCRД has multiple EOCP certified personnel.

Chemical Assessment:
Chemical parameters were tested in 2022, and the results of finished water show that health-related chemical parameters (metals) were within the safe levels according to the Guidelines for Canadian Drinking Water Quality. Tests of chlorine disinfection by-products (total haloacetic acids and trihalomethanes) were taken and some of the levels (despite recent additional filtration) were elevated at one of the collection sites, although further testing is warranted to make a complete assessment. The SCRД continues to investigate options to maintain concentrations as low as reasonably achievable (or ALARA) without compromising the effectiveness of disinfection. From a human health risk perspective, the pathogen control by disinfection treatment processes, including chlorination, is more important.

Bacteriological Assessment:
104 bacteriological samples were collected from the distribution system (4 sample sites) to date in 2023. For total coliforms, only one sample was positive (TC - 4 on April 11, 2023). As this is only 1 percent of the total samples, the water samples met the potability standard in Schedule A, Drinking Water Protection Regulation.
E.Coli was detected in 0% of water samples.

Summary of Issues & Activity:
An updated and revised Emergency Response and Contingency Plan (ERCP) was submitted to VCH and it was approved.
Some initial scoping of equipment work was completed in summer of 2016 regarding installation of a pre-filtration step, upstream of UV units. Continue with this effort to find a pre-filtration system that can meet the standards of a Construction Permit.

Requirements for the upcoming 2024:

Review and update your Emergency Response and Contingency Plan for 2024 if needed.
Provide a Water System Annual Report for 2023 by June 2024 to VCH.

Action Taken

Information Exchanged

Hazard Rating For Your Facility: High Moderate Low

DWO

DWO Printed Name

Michael Nguyen