

Port Edward Water System

Facility Location:

770 Pacific Avenue
Port Edward, V0V 1G0

Facility Information:

Facility Type: 15-300 Connections
Current Hazard Rating:  **Low**

This facility is currently under a Water Quality Advisory

- ◆ Underlying Problems: Dissolved Air Flotation (DAF) process for initial treatment (turbidity removal) not operating effectively. Although turbidity is still being lowered operator has concerns that something has changed in the past few months and the system is not operating as expected. Chlorine residual showing substantial drops from point of injection (prior to reservoir) to point of measurement within the distribution system (works yard). At times chlorine residual not being maintained at 0.2 ppm. Ultraviolet lights (UV) in alarm at time of inspection and operator unsure whether or not the UV is meeting requirements for disinfection. UV light intensity showing 6 W/cm2 at time of inspection. Emergency Response and Contingency Plan (ERCP) not up to date and no specific response present to address UV alarm. Last available version of ERCP dated 2011.
- ◆ Steps Taken to Remedy: EHO working with operator and District of Port Edward to create public messaging related to the existing advisory. Operator and District of Port Edward will distribute messaging to the public via Facebook, Instagram, and on public website. They will also place created signage at any publicly accessible taps.
- ◆ Corrective Actions Remaining: An assessment of the DAF, by an authorized professional with knowledge of system operation, may be required to determine the root of the existing concerns. There are concerns that the coagulant may be creating issues with maintaining chlorine residual. Chlorine dosage must be increased at the treatment plant to ensure that a minimum residual of 0.2 ppm is being maintained at all times and monitoring locations throughout the distribution system. Chemistry analysis required for both raw and treated water to confirm treatment plant effectiveness. This may not be a requirement to remove the water quality advisory but is a required item. See inspection report (July 30, 2025) for more information. UV bulbs need to be replaced, sleeves cleaned, and the UV needs to no longer be in alarm. Operator scheduled to change bulbs afternoon of July 30, 2025 and report status of operation to the Environmental Health Officer. Operator to confirm that UV operation to be checked daily and a procedure be in place to address any system alarms. This information to be added later into the updated/ required ERCP. Operator to identify how water quality advisory was made public to users of the system.

Facility Inspection History:

Click on an inspection link below to see additional details

Document Type	Details
Routine Inspection	30-Jul-2025  Low
Routine Inspection	21-Apr-2023  Low
Routine Inspection	2-Mar-2021  Low