



Memo

To: Chief Administrative Officer

Subject: Water Treatment plant

Date: February 12, 2021

From: Superintendent, Public Works and Engineering Services

Nothing has changed at the water treatment plant; all is operating as per design.

The Lake Cowichan Water Treatment Plant (WTP) is operating according to requirements established under the Operating Permit.

No water quality warnings or advisories are currently in place for the Lake Cowichan water supply. The following link is the Island Health website for up to date advisories or notices pertaining to water systems under its authority.

https://www.healthspace.ca/Clients/VIHA/VIHA_Website.nsf/Water-List-Boil?OpenView&count=100

All water suppliers in British Columbia are required to monitor water that reaches the consumer for total coliform bacteria and Escherichia coli (E. coli) regularly. The monitoring is a part of the requirement to ensure safe drinking water.

If you are on the Lake Cowichan water system, water samples are collected from various locations for testing and you may review the results on the following Island Health site:

https://www.healthspace.ca/Clients/VIHA/VIHA_Website.nsf/Water-Samples-FacilityHistory?OpenView&RestrictToCategory=1310821&Count=30&FacilityDocumentID=MVVE-55LV9Z

On the issue of aluminum in our treated water the following should be of interest:

Compiled results are shown below. The operating guideline is 0.10 mg/L.

Date Collected	Raw	Treated
Oct 27, 2020	Not collected	0.049
Nov 24, 2020		0.157
Dec 08, 2020		0.264
Jan 05, 2021	0.190	0.196
Jan 19, 2021	0.104	0.129

From the foregoing, it is apparent that the coagulant is not the cause of the higher aluminum readings. Good news is the baseline readings have dropped. Further samples of both raw and treated water will continue to be taken.



Jas Sandhu