



Interior Health

Health Protection *Less Risk ~ Better Health*

January 17, 2014

Village of Ashcroft
Village of Ashcroft Community Water System
Box 129
Ashcroft, BC V0K 1A0

Dear Michelle Allan:

Re: BC Drinking Water Treatment Objectives (Microbial) for Surface Water

In April 2012 the BC Ministry of Health released specific criteria for treatment of surface water sources under the *Drinking Water Protection Act*²³. In implementing these criteria Interior Health (IH) – Health Protection has assessed all surface water treatment plants serving large water supply systems in our region. This assessment is necessary to confirm that the actions and decisions taken under previous IH policies (e.g. 43210 treatment objectives) are consistent with the new provincial standard.

The results of our assessment for your water treatment system are attached. Note that this assessment is focused solely on existing treatment infrastructure and its ability to meet the provincial objectives for treating surface water. It does not reflect the other elements of a multi-barrier approach (e.g. operations, monitoring, and secure distribution), all of which are necessary for tap water to be considered safe.

We will make the results of our assessments of all large water system treatment plants available to the public through our website this spring. If you have questions about the provincial treatment objectives, have additional information to provide, or wish to request reconsideration of these results prior to posting, please contact us at the address, phone number, or e-mail below **by March 3rd, 2014**.

Sincerely,

Laurie Bourdin
On behalf of
J. Ivor Norlin, Manager Infrastructure Programs

JIN/ljb

²³ Details on the BC Drinking Water Treatment Objectives for Surface Water are available on the Ministry of Health website at www.health.gov.bc.ca/protect/dw_treatment-objectives.html.

**January 2014 Assessment Results
for BC Drinking Water Treatment Objective for Surface Water**

Interpreting Assessment:

The treatment facility is considered to have the capacity to meet provincial drinking water treatment objectives for surface water when questions 1, 2 and 3 are answered 'yes' and either question 4 or 5 are 'yes'.

Water System Name:	Village of Ashcroft Community Water System
Treatment Facility Name:	Village of Ashcroft Community Water System
Question 1: Does the treatment facility provide adequate inactivation or removal of viruses? Reason	Yes Yes, Chlorine disinfection
Question 2: Does the treatment facility provide adequate inactivation or removal of Giardia and Cryptosporidium? Reason	No No, inadequate equivalent protozoa reduction or inactivation process
Question 3: Does the treatment facility provide two forms of treatment? Reason	No No, one form of disinfection only
Question 4: Does the treatment facility provide filtration that can achieve log credit(s) for pathogen removal? Reason	No No filtration provided
Question 5: Have the following Exclusion of Filtration Criteria been demonstrated? 1. Acceptable numbers of coliforms in raw water 2. Average daily turbidity levels just prior to disinfection ~1 NTU or within performance target. 3. Watershed control program for minimizing fecal contamination Reason	No No, have not demonstrated 2 and 3
Treatment meets BC Drinking Water Treatment Objectives	No
Drinking Water Officer comments	System only has single treatment barrier in the form of chlorination.