



# Interior Health

December 8, 2008

Thompson-Nicola Regional District  
#300 – 465 Victoria Street  
Kamloops, BC V2C 2A9

Attention: Jennifer Besinger, Utilities Manager

Dear Ms. Besinger:

**Re: Blue River Community Water System – Conditions of Permit**

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As per our December 8, 2008 meeting the Thompson – Nicola Regional District has accepted the following Conditions of Permit. Therefore this letter will serve as formal conditions for the Blue River Water System operating permit. The following are explanatory notes of the conditions of the operating permit.

**1. Provide long-term plans for treatment, source, and distribution system improvements:**

Commission an engineering study to:

- Assess the source wells in terms of meeting the 4-3-2-1-0 Drinking Water Objectives. (An IH handout in this respect has been attached for your consideration)
- Assess the source wells in terms of surface water influence (GUDI status).
- Prepare plans for treatment of water entering the distribution system.

Note: A Study is currently in its final stages and the target completion date is January 2009

**2 Develop and maintain a Water Quality Monitoring and Sampling Program which will include:**

- **Turbidity Monitoring** – Daily manual monitoring and recording of turbidity levels for data collection and assessment. *DWP Act Section 11*
- **Bacteriological monitoring** – **Water samples are to be tested for specified microbiologic parameters at least 4 times per month.** We will continue to take periodic audit samples, which are over and above the samples the District is responsible for conducting. *DWP Act section 11, DWP Reg. Section 8 & Schedule B.*

**3 Operation & Maintenance Schedule**

Records of operation and maintenance activities should be kept in written format in a bound log book. Further, a monthly summary sheet should be prepared for documenting the daily measurables such as filter pressures & replacement schedule, UV light intensity & bulb replacements, free & total chlorine residuals & chlorine mixing schedule, main flushing, hydrant maintenance, flow, water temperature, pH etc. This information must be available for review anytime.

**4 Emergency Response Plan**

An emergency response plan must be reviewed/updated and submitted to Interior Health annually by June 30<sup>th</sup>. *Section 10, DWP Reg. Section 13.*

**5 Cross-Connection Control Program (CCCP)**

The Utility must develop a cross-connection control program, with implementation dates, indicating when they can meet the various "milestones" in their program. We anticipate that the CCCP program for a small municipal water system will be considerably different than the program for a large municipal water system. You may wish to have your program rely heavily on user education via newsletter, or other materials. *DWPA Reg Section 15.* Prepare a CCCP plan by June 1, 2010.

**6 Reports**

Monthly:

- The results of Drinking Water Quality Monitoring Program
- Synopsis of the Operation and Maintenance
- Water volumes etc

Annual: A report is to be made available to the users by no later than June 30 of the following year *DWPA Section 15 & DWPA Reg Section 11.* A copy is to be provided to Interior Health – Public Health Protection in Kamloops by June 30<sup>th</sup> annually. An annual report on the status of the Blue River Water System will include such sections as:

- Capital Works Plan completed and proposed
- Review of the successes and challenges experienced by the TNRD over the year
- Overview of the years Drinking Water Quality Monitoring Program and all measurables,(summary of monthly reports)
- Copy of the Emergency Response Plan
- Operation and Maintenance Report

**7 Source Water Protection**

- Once the current study is complete the TNRD will be required to address a source protection plan for each water source. *DWP Act Section 18 (2) (a)*
- The Well Protection Toolkit can assist you in developing your protection plan at: [http://www.env.gov.bc.ca/vsd/plan\\_protect\\_sustain/groundwater/wells/well\\_protection/acrobat.html](http://www.env.gov.bc.ca/vsd/plan_protect_sustain/groundwater/wells/well_protection/acrobat.html)
- Prepare and submit a schedule for completing Step 1 of 6 of your Well Protection Plan by June 1, 2010.

If you have any questions please call me directly at 250-851-7410.

Sincerely,



Rob Fleming, CPHI (C)  
Drinking Water Officer