

February 1, 2021

Dear: Water System Operator

Re: Annual Reporting Requirements for Permitted Water Systems

Please find enclosed a copy of the 2020 Range Report for your water system. This report contains a summary of the bacteriological water quality results for the samples submitted through Fraser Health from your water system within the 2020 calendar year. As per the Drinking Water Protection Act the report is required to be made available to all users by June 30th 2021.

Please email HPLand@fraserhealth.ca if you would like to request a copy of the Annual Report Template.

The following are reminders for all water system operators:

- a) As drinking water testing has been deemed an essential service, all health units continue to remain open for sample drop-off on their regular designated days.
- b) Please do not use expired requisition forms as this will result in the samples either not being processed or results not being returned properly from the lab. Please discard all expired requisition forms. The expiration date is located on the bottom of the form.
- c) Please do not modify sample sites or other sections on the requisition forms. Key information is contained in the barcode and the lab is unable to include handwritten information. Please contact HPLand@fraserhealth.ca to request any changes to your requisition forms.
- d) Ensure the lead flush message provided is included with your Annual Report.
- e) The coding system from BCCDC has recently changed.

QRWRT indicates that the sample exceeded the 30 hour hold time. This could be due to courier issues or an incorrect date being recorded by the operator on the requisition forms. Water systems will still be given credit for the sample collected and a qualitative result is provided to Fraser Health. If there is bacteria detected, a separate email will be sent to the operator from Fraser Health.

REJCT DELAY3 indicates that the sample has been rejected as it has been too long in transit. No results will be provided for this sample.

Sincerely,

Drinking Water Program
Fraser Health Authority
HPLand@fraserhealth.ca



fraserhealth Better health.
Best in health care.

February 1, 2021

Water System Operators

Re: Metals in Drinking Water – “Flush” Message in Annual Reports

Fraser Health has recently revised its metals at the tap “Flush” message and we are asking all water systems to please include the following health message with your next annual reports to your users.

Anytime the water in a particular faucet has not been used for six hours or longer, “flush” your cold-water pipes by running the water until you notice a change in temperature. (This could take as little as five to thirty seconds if there has been recent heavy water use such as showering or toilet flushing. Otherwise, it could take two minutes or longer.) The more time water has been sitting in your home's pipes, the more lead it may contain.

Use only water from the cold-tap for drinking, cooking, and especially making baby formula. Hot water is likely to contain higher levels of lead.

The two actions recommended above are very important to the health of your family. They will probably be effective in reducing lead levels because most of the lead in household water usually comes from the plumbing in your house, not from the local water supply.

Conserving water is still important. Rather than just running the water down the drain you could use the water for things such as watering your plants.

If you have any questions, please contact our Drinking Water Program at 604-870-7903.

Sincerely,

Drinking Water Program
Fraser Health Authority
HPLand@fraserhealth.ca

Sample Range Report

Fraser Health Authority

Facility Name: North Bend Water System

Date Range: Jan 1 2020 to Dec 31 2020

Operator

Sampling Site	Date Collected	Total Coliform	E. Coli	Fecal Coliform
<u>Old Post Office Rd</u>				
<u>stand pipe, Old Post</u>				
<u>Office Rd, North</u>				
<u>Bend</u>				
	1-21-2020	L1	L1	
	2-18-2020 9:45:00	LT1	LT1	
	AM			
	3-17-2020 10:15:00	LT1	LT1	
	AM			
	4-14-2020 9:45:00	LT1	LT1	
	AM			
	5-12-2020 10:00:00	LT1	LT1	
	AM			
	6-9-2020 9:00:00	LT1	LT1	
	AM			
	7-7-2020 9:00:00	LT1	LT1	
	AM			
	8-4-2020 10:35:00	LT1	LT1	
	AM			
	9-1-2020 9:10:00	LT1	LT1	
	AM			
	9-29-2020 9:15:00	LT1	LT1	
	AM			
	10-27-2020 10:35:00	LT1	LT1	
	AM			
	11-24-2020 9:15:00	<u>LT1</u>	<u>LT1</u>	
	AM			
	Total Positive:	0	0	0
<u>CN Meter/Sample</u>				
<u>Port, North Bend</u>				
	1-28-2020 9:00:00	LT1	LT1	
	AM			
	2-25-2020 9:00:00	LT1	LT1	
	AM			
	3-24-2020 8:50:00	LT1	LT1	
	AM			
	4-21-2020 9:50:00	LT1	LT1	
	AM			
	5-19-2020 9:25:00	LT1	LT1	
	AM			

6-16-2020 10:00:00 AM	LT1	LT1	
6-29-2020 9:55:00 AM	LT1	LT1	
7-14-2020 10:10:00 AM	LT1	LT1	
8-11-2020 9:55:00 AM	1	LT1	
8-18-2020 10:05:00 AM	LT1	LT1	
10-13-2020 10:45:00 AM	LT1	LT1	
11-3-2020 10:20:00 AM	LT1	LT1	
12-1-2020 9:50:00 AM	<u>LT1</u>	<u>LT1</u>	
Total Positive:	1	0	0

Highline Rd stand pipe, Highline Rd, North Bend

1-7-2020	L1	L1	
2-4-2020 10:00:00 AM	LT1	LT1	
3-3-2020 9:40:00 AM	LT1	LT1	
3-10-2020 9:50:00 AM	LT1	LT1	
4-28-2020 9:15:00 AM	LT1	LT1	
5-26-2020 8:10:00 AM	LT1	LT1	
6-23-2020 10:00:00 AM	LT1	LT1	
7-21-2020 9:50:00 AM	LT1	LT1	
8-18-2020 8:30:00 AM	LT1	LT1	
8-25-2020 8:00:00 AM	LT1	LT1	
9-15-2020 9:15:00 AM	LT1	LT1	
11-9-2020 9:40:00 AM	LT1	LT1	
12-8-2020 8:10:00 AM	<u>LT1</u>	<u>LT1</u>	
Total Positive:	0	0	0

Reservoir,

1-14-2020	L1	L1	
2-11-2020 12:00:00 PM	LT1	LT1	
3-31-2020 9:20:00 AM	LT1	LT1	

4-7-2020 10:00:00 AM	LT1	LT1	
5-5-2020 9:15:00 AM	LT1	LT1	
6-2-2020 11:00:00 AM	LT1	LT1	
7-28-2020 11:20:00 AM	9	LT1	
8-4-2020 11:40:00 AM	LT1	LT1	
9-8-2020 11:40:00 AM	LT1	LT1	
9-22-2020 10:30:00 AM	LT1	LT1	
10-20-2020 10:50:00 AM	LT1	LT1	
11-17-2020 9:40:00 AM	LT1	LT1	
12-15-2020 10:30:00 AM	<u>LT1</u>	<u>LT1</u>	
Total Positive:	1	0	0

North Bend
Reservoir, Chaumox
Road

10-6-2020 10:30:00 AM	<u>LT1</u>	<u>LT1</u>	
Total Positive:	0	0	0

Result Values: **E - estimated** **L - less than** **G - greater than**

Samples that contain total coliform:	2	3.85% of total
Samples that contain e. coli:	0	0.00% of total
Samples that contain fecal coliform:	0	0.00% of total
Number of consecutive samples that contain total coliform:	0	
Number of samples that contain total coliform in last 30 days:	0/0	
Total number of samples:	52	

Comments:

Environmental Health Officer
Feb 9 2021

FOR FURTHER INFORMATION PLEASE CALL: Jessica Hibbs (604) 870-7900

Analytical Report

Bill To: Fraser Valley Regional District	Project ID: Canyon Chem / Physical	Lot ID: 1485539
1 - 45950 Cheam Ave.	Project Name: Canyon	Control Number:
Chilliwack, BC, Canada	Project Location: Canyon	Date Received: Apr 13, 2021
V2P 1N6	LSD:	Date Reported: Apr 16, 2021
Attn: Accounts Payable	P.O.:	Report Number: 2612481
Sampled By:	Proj. Acct. code:	
Company: FVRD		

Reference Number	1485539-5
Sample Date	April 13, 2021
Sample Time	10:55
Sample Location	
Sample Description	North Bend WS / North Bend Treatment Plant / 7.3 °C
Sample Matrix	Drinking Water

Analyte	Units	Result	Nominal Detection Limit	Guideline Limit	Guideline Comments
Metals Extractable					
Aluminum	mg/L	0.001	0.001	0.1	Below OG
Antimony	mg/L	0.00006	0.00002	0.006	Below MAC
Arsenic	mg/L	0.0006	0.0001	0.010	Below MAC
Barium	mg/L	0.044	0.0001	2.0	Below MAC
Boron	mg/L	0.008	0.002	5	Below MAC
Cadmium	mg/L	<0.00001	0.00001	0.007	Below MAC
Chromium	mg/L	0.00045	0.00005	0.05	Below MAC
Copper	mg/L	0.0009	0.0005	1 AO; 2 MAC	Below AO
Lead	mg/L	0.00009	0.00001	0.005	Below MAC
Selenium	mg/L	0.0004	0.0002	0.05	Below MAC
Strontium	mg/L	0.12	0.0001	7.0	Below MAC
Uranium	mg/L	0.00009	0.00001	0.02	Below MAC
Vanadium	mg/L	0.00034	0.00005		
Zinc	mg/L	0.0012	0.0005	5.0	Below AO
Physical and Aggregate Properties					
Colour	Colour units	<5	5		
Turbidity	NTU	<0.10	0.1	0.1	Below OG
Routine Water					
pH - Holding Time		Exceeded			
pH	at 25 °C	8.08	0.01	7.0-10.5	Within Range
Electrical Conductivity	µS/cm at 25 °C	233	1		
Calcium	mg/L	35	0.01		
Iron	mg/L	<0.004	0.004	0.3	Below AO
Magnesium	mg/L	3.4	0.02		
Manganese	mg/L	<0.001	0.001	0.02 AO; 0.12 MAC	Below AO
Potassium	mg/L	2.1	0.04		
Silicon	mg/L	5.8	0.005		
Sodium	mg/L	2.7	0.1	200	Below AO
T-Alkalinity	as CaCO3 mg/L	113	5		
Chloride	mg/L	0.78	0.05	250	Below AO
Fluoride	mg/L	0.06	0.01	1.5	Below MAC
Nitrate - N	mg/L	0.02	0.01	10	Below MAC
Nitrite - N	mg/L	<0.01	0.01	1	Below MAC
Sulfate (SO4)	mg/L	12.1	0.1	500	Below AO
Hardness	as CaCO3 mg/L	101	1		
Total Dissolved Solids	(extractable) mg/L	140	1	500	Below AO