

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: Yale Water System
Date Range: Jan 1 2020 to Dec 31 2020

Operator

Sampling Site	Date Collected	Total Coliform	E. Coli	Fecal Coliform
<u>Victoria Street/North</u>				
<u>of Front St - Sampler</u>				
<u>#1, Barry's Trading</u>				
<u>Post</u>				
	1-7-2020	1	L1	
	3-3-2020 8:40:00 AM	4	LT1	
	3-10-2020 8:15:00 AM	LT1	LT1	
	4-14-2020 8:45:00 AM	LT1	LT1	
	4-28-2020 7:45:00 AM	1	LT1	
	5-5-2020 7:30:00 AM	1	LT1	
	5-12-2020 8:30:00 AM	LT1	LT1	
	5-26-2020 7:15:00 AM	LT1	LT1	
	7-14-2020 9:00:00 AM	LT1	LT1	
	8-25-2020 7:00:00 AM	1	LT1	
	9-8-2020 9:25:00 AM	LT1	LT1	
	9-29-2020 8:00:00 AM	LT1	LT1	
	10-6-2020 9:00:00 AM	LT1	LT1	
	11-3-2020 8:20:00 AM	1	LT1	
	11-24-2020 8:00:00 AM	LT1	LT1	
	12-1-2020 8:50:00 AM	<u>LT1</u>	<u>LT1</u>	
	Total Positive:	6	0	0
<u>Regent St/Bridge St</u>				
<u>- Sampler #4, Yale</u>				
	1-28-2020 8:50:00 AM	LT1	LT1	

2-4-2020 8:45:00 AM	OIE	OIE	
2-25-2020 8:10:00 AM	LT1	LT1	
3-17-2020 9:10:00 AM	LT1	LT1	
3-24-2020 7:45:00 AM	6	LT1	
3-31-2020 7:50:00 AM	LT1	LT1	
5-19-2020 8:15:00 AM	LT1	LT1	
6-16-2020 8:50:00 AM	1	LT1	
8-4-2020 9:20:00 AM	LT1	LT1	
9-1-2020 8:15:00 AM	64	LT1	
9-8-2020 9:40:00 AM	18	LT1	
9-15-2020 8:00:00 AM	1	LT1	
9-22-2020 9:15:00 AM	LT1	LT1	
10-27-2020 9:15:00 AM	<u>LT1</u>	<u>LT1</u>	
Total Positive:	5	1	0

Douglas St/Regent
St -Sampler #3.
30860 Trans
Canada Highway

1-21-2020	4	L1
1-28-2020 8:40:00 AM	7	LT1
2-4-2020 8:45:00 AM	LT1	LT1
2-18-2020 8:15:00 AM	LT1	LT1
4-7-2020 8:30:00 AM	1	LT1
5-19-2020 8:09:00 AM	LT1	LT1
6-9-2020 7:45:00 AM	1	LT1
6-29-2020 8:40:00 AM	LT1	LT1
7-7-2020 8:00:00 AM	LT1	LT1
7-28-2020 8:20:00 AM	LT1	LT1
9-22-2020 9:00:00 AM	LT1	LT1
10-20-2020 8:45:00 AM	LT1	LT1

11-17-2020 8:25:00 AM	LT1	LT1	
12-15-2020 7:50:00 AM	<u>LT1</u>	<u>LT1</u>	
Total Positive:	4	0	0

Pumphouse -
Sampler #2,

1-14-2020	L1	L1	
2-4-2020 9:00:00 AM	LT1	LT1	
2-11-2020 9:00:00 AM	LT1	LT1	
3-31-2020 8:10:00 AM	LT1	LT1	
4-21-2020 8:25:00 AM	LT1	LT1	
5-5-2020 7:40:00 AM	LT1	LT1	
6-2-2020 8:45:00 AM	2	LT1	
6-9-2020 8:05:00 AM	LT1	LT1	
6-23-2020 9:00:00 AM	LT1	LT1	
7-21-2020 8:40:00 AM	LT1	LT1	
8-11-2020 8:45:00 AM	LT1	LT1	
8-18-2020 9:00:00 AM	LT1	LT1	
10-13-2020 9:15:00 AM	3	LT1	
10-20-2020 9:15:00 AM	LT1	LT1	
11-9-2020 8:50:00 AM	LT1	LT1	
12-8-2020 7:05:00 AM	<u>LT1</u>	<u>LT1</u>	
Total Positive:	2	0	0

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

Samples that contain total coliform:	17		28.33% of total
Samples that contain e. coli:	1		1.67% of total
Samples that contain fecal coliform:	0		0.00% of total
Number of consecutive samples that contain total coliform:	5		
Number of samples that contain total coliform in last 30 days:	0/0		
Total number of samples:	60		

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

Reference Number	1485539-4
Sample Date	April 13, 2021
Sample Time	09:55
Sample Location	
Sample Description	Yale WS / Yale WS Pumpouse / 7.3 °C
Sample Matrix	Drinking Water

Analyte		Units	Result	Nominal Detection Limit	Guideline Limit	Guideline Comments
Metals Extractable						
Aluminum	Extractable	mg/L	0.001	0.001	0.1	Below OG
Antimony	Extractable	mg/L	0.00003	0.00002	0.006	Below MAC
Arsenic	Extractable	mg/L	0.0004	0.0001	0.010	Below MAC
Barium	Extractable	mg/L	0.028	0.0001	2.0	Below MAC
Boron	Extractable	mg/L	0.005	0.002	5	Below MAC
Cadmium	Extractable	mg/L	<0.00001	0.00001	0.007	Below MAC
Chromium	Extractable	mg/L	0.00089	0.00005	0.05	Below MAC
Copper	Extractable	mg/L	<0.0005	0.0005	1 AO; 2 MAC	Below AO
Lead	Extractable	mg/L	0.00015	0.00001	0.005	Below MAC
Selenium	Extractable	mg/L	0.0004	0.0002	0.05	Below MAC
Strontium	Extractable	mg/L	0.091	0.0001	7.0	Below MAC
Uranium	Extractable	mg/L	0.00006	0.00001	0.02	Below MAC
Vanadium	Extractable	mg/L	0.00016	0.00005		
Zinc	Extractable	mg/L	0.0052	0.0005	5.0	Below AO
Physical and Aggregate Properties						
Colour	True	Colour units	<5	5		
Turbidity		NTU	<0.10	0.1	0.1	Below OG
Routine Water						
pH - Holding Time			Exceeded			
pH	at 25 °C		7.65	0.01	7.0-10.5	Within Range
Electrical Conductivity		µS/cm at 25 °C	169	1		
Calcium	Extractable	mg/L	21	0.01		
Iron	Extractable	mg/L	<0.004	0.004	0.3	Below AO
Magnesium	Extractable	mg/L	5.0	0.02		
Manganese	Extractable	mg/L	<0.001	0.001	0.02 AO; 0.12 MAC	Below AO
Potassium	Extractable	mg/L	0.77	0.04		
Silicon	Extractable	mg/L	6.0	0.005		
Sodium	Extractable	mg/L	1.9	0.1	200	Below AO
T-Alkalinity	as CaCO3	mg/L	77	5		
Chloride	Dissolved	mg/L	3.82	0.05	250	Below AO
Fluoride	Dissolved	mg/L	<0.01	0.01	1.5	Below MAC
Nitrate - N	Dissolved	mg/L	0.10	0.01	10	Below MAC
Nitrite - N	Dissolved	mg/L	<0.01	0.01	1	Below MAC
Sulfate (SO4)	Dissolved	mg/L	4.5	0.1	500	Below AO
Hardness	as CaCO3 (extractable)	mg/L	73	1		
Total Dissolved Solids	Extractable	mg/L	100	1	500	Below AO