

March 6, 2023

Dear: Water System Operator

Re: Annual Reporting Requirements for Permitted Water Systems

Please find enclosed a copy of the 2022 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 2022 calendar year. As per the Drinking Water Protection Act the report is required to be made available to all users by June 30th 2022.

Please email <u>david.fowler@fraserhealth.ca</u> 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 <a href="mailto:david.fowler@fraserhealth.ca">david.fowler@fraserhealth.ca</a> 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,

David Feren

David Fowler

Environmental Health Officer, Fraser Health Authority

David.fowler@fraserhealth.ca



February 1, 2022

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

## DRINKING WATER SYSTEM ANNUAL REPORT

DRINKING WATER SYSTEM	ANNUAL REPORT			
Reporting Period:		January 1 <sup>st</sup> to Decem	nber 31 <sup>st</sup> , 2022 (year)	
Water System Morris	Valley Water System	<u> </u>	, , ,	
	Fraser Valley Regional	I District		
Primary Contact Name	e (Operator or Manager) Dav	e Roblin		
Phone Number (Operator	or or Manager) 604 798 5426			
E-mail (Operator or Manag	ger) droblin@fvrd.ca			
DESCRIBE YOUR WATER SU	IPPLY SYSTEM		<b>对外的特别</b>	
What is the Source(s)	of Raw Water?			
X Deep Well	O Shallow Well	D Surface Water	$\operatorname{D}$ Other	
If other, specify details	<b>:</b>			
Does the Drinking Wo	ater System have Prim	ary Disinfection?	Yes	XNo
D Chlorination	D Ultraviolet Light	D Ozone	D Other	
If other, specify details	S:			
Does the Drinking W	ater System have Seco	ndary Disinfection?	Yes	XNo
D Chlorination	☐Ot her			
If other, specify details	:			_
Does the Drinking W	ater System have Filtr	ration?	Yes	X <sub>No</sub>
Check all boxes that apply	_	_	_	_
D Cartridge Filter(s)	D Carbon Filter	D Sand Filtration	D Reverse Osmosis	D Other
If other, specify details	:			
<b>新文·加州市政治共享,李文宗(1974年</b>	· · · · · · · · · · · · · · · · · · ·			
PUBLIC REPORTING				
Emergency Response	& Contingency Plan (	ERCP)		
Is your ERCP up to Da		X Yes	□ No	
_	e System Users of the E	_		
D Hand Delivered	D Bulletin Board	D Newspaper	0 Utility Bill Insert	X Website
D Other (specify deta	,			
Drinking Water System				
•	he System Users of the	_	0	
0 Hand Delivered	O Bulletin Board	D Newspaper	0 Utility Bill Insert	X Website
D Other (specify detai	lls)			

Revised March 2016

ompulange with Operating Peri	WITT 1					
List the conditions that have	A PART OF THE PART	on your Operating Per	·			
List the conditions that have t	<u>been piacea</u>	<u>on your Operating Pet</u>	<u>"Mll_{if_vou_hove</u>	_conditions,_these_wil	<u>l</u> be stated on y	our permit):
Are you in compliance with th	he conditions	s fisted an your Oper	ating Permit	Y Yes	D No	ON/A
agteriological Testing and Dr	inixing Walta	r Protection Regulati	ON WATER OL	VALTAY STANDARI	DS THE	
How many bacteriological sa	imples were o	collected during this re	eporting peri	od?	2	6
What is the minimum require	ed sampling	frequency for this sy	stem? (#sam	ples/month)	4	
Additional sampling details:	1 0			·		
Was the minimum required s	sampling fre	equency achieved?	Xyes		□No	
Comm ents :	1 00		21100			
Bacteriological summary at	ttached to th	nis renort?	XYes		□No	
If no, how do the users of the		_	2 1 1 0 0			
Vaner Quality Strandvards for G	Poraeue Wat					
Parameter:	Standard:			Did this syste	em meet sta	indard?
Escherichia coli (for all <u>samples)</u>	No detectal	ole <i>Escherichia coli</i> per 100	)ml	XYes		lo
Total Coliform Bacteria (if only 1 sample collected in a 30	No detected	ole total coliform bacteria	nor 100ml	X <sub>Yes</sub>	0No	
day eriad) Total Coliform Bacteria		an 10% of samples contain	-	/ ies	0110	
(if more than 1 sample collected in a	coliform ba	cteria, <b>and</b> No sample has r form bacteria per 100ml		X Ye s		lo
30 day period)	10 total con	Toriii bacteria per 100mi				
If the system did not meet an	v of above D	rinking Water Protec	tion Regulati	ion standards,	record the	results in
	-	_	non Regulai			
	-	_	non Reguiui			
the table below; attach additi	-	_		ective Action		
the table below; attach additi	ional sheets a	if necessary.	Corr	ective Action	n time no e c	
the table below; attach additi  Date TC/l00ml E	ional sheets a	if necessary.  Reason	Corr		n time no e c	
the table below; attach additi  Date TC/l00ml E	ional sheets a	if necessary.  Reason	Corr		n time noec	
the table below; attach additi  Date TC/l00ml E	ional sheets a	if necessary.  Reason	Corr		n time no e c	

## DRINKING WATER SYSTEM ANNUAL REPORT

HEMICAL SAMPU	NG COMPLETED D	NURING TIXUS REC	PERIO	D. Francisco			
Was any chen	nical sampling	conducted du	ring reporting	g period?	<b>X</b> Yes	ONo ONO	
If no, when w for this system	vere the last che	mical samples	s conducted		d all water sam n Drinking Wate	ples meet the Guidelines erQuality?	for
(date)	D Don't K	now 0 Ne	ever	XYes		□No	
	camples did not ow; attach addi			nadian Dr	inking Water Q	uality, record the result	ts in
Parameter	Result	Correctiv	e Action /Tre	eatment/ C	Comments		
JEST JAKKONNOL	IMIC						
Does the syste	em have analyze	ers for continu	ous monitorii	ng?	Yes	XNo	
f yes, check o	all boxes that ap	pply:					
Chlorine	O Tur	bidity	Other {	details)			
Are the result	s available on r	equest?					
If any additio sheets if nece	_	ampling was	conducted, re	cord resul	ts in the table be	elow; attach additional	
Additional Te	esting & Reason	for Sampling	Correctiv	ve Action 7	Taken		
VaneriQuality	COMPLAINTS						
	iy water quality	complaints i	in this reporti	ng	☐ Yes	XNo	
	taste, odour, co						
If yes, comple	ete the table be	low; attach a	dditional she	ets if neces	sary.		
Date	Water Quality	y Complaint	Cori	ective Act	ion / Treatment		

Were there any operational proble period? (e.g. insufficient water sup			es <b>X</b> No
disinfection equipment, line breaks			
If yes, complete the table below; atta	ach additional sheet.	s if necessary.	
Incident Date Type of Operationa	l Problem Co	rrective A tionTak	en
		A REPORT OF THE PARTY OF THE PA	
Nator Upgrades/Repairs & Expenses.		<b>经验的过程的</b>	
Were there any major upgrades/re		costs \( \square\) Ye	es X No
incurred during this reporting perio	<u>d?</u>		
If yes, complete the table below; atta	ach additional sheets	s if necessary.	
Major Upgrades/Expenses	Details		
Improvements required by DWO			
Additions/changes to system			
Purchase or install new equipment			
Equipment repair or replacement			
Annual maintenance of system			
Specialist report			
Other			
		ets if necessary.	Estimated Date of Completion
		ets if necessary.	Estimated Date of Completion
		ets if necessary.	Estimated Date of Completion
If yes, complete the table below; at		ets if necessary.	Estimated Date of Completion

## Sample Range Report

Fraser Health Authority

Facility Name: Date Range:

Morris Valley Bulk Water System Jan 1 2022 to Dec 31 2022

Operator

Fraser Valley Regional District 45950 Cheam Ave

Chilliwack, BC V2P 1N6

Sampling Site	Date Collected	Total Coliform	E. Coli	Fecal Coliform
Morris Valley Wellhead, 14600 Morris Valley Rd				
WOITIS Valley ING	1-4-2022 11:10:00 AM	LT1	LT1	
	1-18-2022 11:00:00 AM	LT1	LT1	
	2-1-2022 11:15:00 AM	LT1	LT1	
	2-15-2022 11:15:00 AM	LT1	LT1	
	3-1-2022 11:30:00 AM	LT1	LT1	
	3-15-2022 11:51:00 AM	LT1	LT1	
	3-29-2022 12:20:00 PM	LT1	LT1	
	4-12-2022 12:20:00 PM	LT1	LT1	
	4-26-2022 11:40:00 AM	LT1	LT1	
	5-10-2022 11:50:00 AM	LT1	LT1	
	5-24-2022 11:00:00 AM	LT1	LT1	
	6-7-2022 11:30:00 AM	LT1	LT1	
	6-21-2022 11:00:00 AM	LT1	LT1	
	6-22-2022 11:30:00 AM	LT1	LT1	
	7-5-2022 12:00:00 PM	LT1	LT1	
	7-19-2022 10:30:00 AM	LT1	LT1	
	8-2-2022 8:35:00 AM	LT1	LT1	
	8-16-2022 12:00:00 PM	LT1	LT1	
	8-30-2022 11:20:00 AM	LT1	LT1	
	9-13-2022 11:30:00	LT1	LT1	

 Total Positive:	0	1	0	_
12-6-2022 11:15:00 AM	QRWRT	QRWRT		
11-22-2022 11:00:00 AM	LT1	LT1		
11-8-2022 11:00:00 AM	LT1	LT1		
10-25-2022 11:30:00 AM	LT1	LT1		
10-11-2022 9:15:00 AM	LT1	LT1		
9-27-2022 11:00:00 AM	LT1	LT1		
AM				

Result Values:	E - estimated	L - less than	G - greater than
Samples that contain total Samples that contain e. co Samples that contain fecal	oli: 1		0.00% of total 3.85% of total 0.00% of total
Number of consecutive sa contain total coliform:			0.00 % 07 10.00
Number of samples that co coliform in last 30 days:	ontain total 0/0		
Total number of samples:	26		

## Comments:

Environmental Health Officer Feb 1 2023

FOR FURTHER INFORMATION PLEASE CALL: David Fowler



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E: info.vancouver@element.com

W: www.element.com

**Analytical Report** 

Bill To: Fraser Valley Regional District

Project ID:

Lot ID: 1654374

1 - 45950 Cheam Ave. Chilliwack, BC, Canada Project Name: Chem/Phys Project Location: Northside

Control Number:

V2P 1N6

LSD:

Date Received: May 30, 2023

Attn: Accounts Payable

P.O.:

Date Reported: Jun 6, 2023

Sampled By: B.Kafi

Proj. Acct. code:

Company: **FVRD** 

Report Number: 2878158

Reference Number Sample Date 1654374-6

Sample Time

May 30, 2023

**Sample Location** 

11:30

**Sample Description** 

Morris Valley Well / 6.6 °C

Sample Matrix

**Drinking Water** 

		Sample Matrix	Drinking wate			
Analyte		Units	Result	Nominal Detection Limit	Guideline Limit	Guideline Comments
Metals Extractable		<b>5</b> 5	rtocurt			
Silicon	Extractable	mg/L	3.36	0.05		
Aluminum	Extractable	mg/L	<0.002	0.002	0.1 OG; 2.9 MAC	Below OG
Antimony	Extractable	mg/L	<0.0002	0.0002	0.006	Below MAC
Arsenic	Extractable	mg/L	<0.0002	0.0002	0.01	Below MAC
Barium	Extractable	mg/L	0.003	0.001	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	< 0.0005	0.0005	0.05	Below MAC
Copper	Extractable	mg/L	<0.001	0.001	1 AO; 2 MAC	Below AO
Lead	Extractable	mg/L	< 0.0001	0.0001	0.005	Below MAC
Selenium	Extractable	mg/L	< 0.0002	0.0002	0.05	Below MAC
Strontium	Extractable	mg/L	0.008	0.001	7.0	Below MAC
Uranium	Extractable	mg/L	< 0.0005	0.0005	0.02	Below MAC
Vanadium	Extractable	mg/L	0.0001	0.0001		
Zinc	Extractable	mg/L	<0.001	0.001	5	Below AO
Physical and Aggregate	Properties					
Colour	Apparent, Potable	Colour units	<5	5	15	Below AO
Turbidity		NTU	0.2	0.1	0.1/0.3/1.0 OG	
Routine Water						
рН			6.77	1	7.0-10.5	Below OG Range
Electrical Conductivity	at 25 °C	μS/cm	25	1		
Calcium	Extractable	mg/L	3.3	0.2		
Magnesium	Extractable	mg/L	0.3	0.2		
Sodium	Extractable	mg/L	1.3	0.4	200	Below AO
Potassium	Extractable	mg/L	<0.4	0.4		
Iron	Extractable	mg/L	<0.01	0.01	0.3	Below AO
Manganese	Extractable	mg/L	<0.005	0.005	0.02 AO; 0.12 MAC	Below AO
Chloride	Dissolved	mg/L	2.8	0.4	250	Below AO
Fluoride		mg/L	< 0.05	0.05	1.5	Below MAC
Nitrate - N		mg/L	0.14	0.01	10	Below MAC
Nitrite - N		mg/L	< 0.005	0.005	1	Below MAC
Sulfate (SO4)	Extractable	mg/L	2	0.9	500	Below AO
T-Alkalinity	as CaCO3	mg/L	10	5		
Total Dissolved Solids		mg/L	15	1	500	Below AO
Hardness	as CaCO3	mg/L	10			