

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 david.fowler@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.

David Forula

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

Water System Dewdney Water System Water System Owner Fraser Valley Regional District Primary Contact Name (Operator or Manager) Dave Roblin Phone Number (Operator or Manager) 604 702 5027 E-mail (Operator or Manager) droblin@fvrd.ca DESCRIBE YOUR WATER SUPPLY SYSTEM What is the Source{s} of Raw Water? O Deep Well O Shallow Well X Surf If other, specify details: Does the Drinking Water System have Primary Dising D Chlorination D Ultraviolet Light D Ozo	•) No
Water System Owner Fraser Valley Regional District Primary Contact Name (Operator or Manager) Dave Roblin Phone Number (Operator or Manager) 604 702 5027 E-mail (Operator or Manager) droblin@fvrd.ca DESCRIBE YOUR WATER SUPPLY SYSTEM) What is the Source{s} of Raw Water? O Deep Well O Shallow Well X Surf If other, specify details: Does the Drinking Water System have Primary Dising D Chlorination D Ultraviolet Light D Ozo	fection? X Yes	□No
Primary Contact Name (Operator or Manager) Dave Roblin Phone Number (Operator or Manager) 604 702 5027 E-mail (Operator or Manager) droblin@fvrd.ca Describe vour Water Supply System What is the Source(s) of Raw Water? O Deep Well O Shallow Well X Surf If other, specify details: Does the Drinking Water System have Primary Dising D Chlorination D Ultraviolet Light D Ozo	fection? X Yes	□No
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ŭ	one X Other	
If other, specify details:		
Does the Drinking Water System have Secondary Di	isinfection?	X _{No}
D Chlorination \Box Other		
If other, specify details:		
Does the Drinking Water System have Filtration?	Xyes	□No
Check all boxes that apply		
D Cartridge Filter(s) D Carbon Filter X San	d Filtration D Reverse Osmos	sis D Other
If other, specify details:		
PUBLIC REPORTING		但,在除产校出名的 到
Emergency Response & Contingency Plan (ERCP)		
Is your ERCP up to Date? X Yes	□No	
How do you Inform the System Users of the ERCP?		
D Hand Delivered D Bulletin Board D Nev	wspaper 0 Utility Bill Inse	rt X Website
D Other (specify details)		
Drinking Water System Annual Report		
How do you Inform the System Users of the Annual	Report?	
0 Hand Delivered O Bulletin Board D Ne	wspaper 0 Utility Bill Inser	rt X Website
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How many bacteriologica	al samples were c	collected during this	reporting period?		51	
What is the minimum red	quired sampling	frequency for this s	ystem? (#samples.	month)	4	
Additional sampling deta	ils:					
Was the minimum requi	red sampling free	quency achieved?	XYes		□No	
Comm ents :						
Bacteriological summa	ry attached to th	is report?	☐ Yes		\mathbf{X}_{No}	
	f the system view	the results? Call				
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DRINKING WATER SYSTEM ANNUAL REPORT

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If no, when w for this syster	vere the last che	emical samples	conducted		l all water sam Drinking Wat	ples meet the Guidelines for erQuality?
(date)	D Don't l	Know 0 Ne	ever	XYes		□No
	camples did not ow; attach add			nadian Dri	nking Water Q	uality, record the results in
Parameter	Result	Corrective	e Action /Tre	atment/ Co	omments	
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If yes, check a	all boxes that ap	pply:				
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DRINKING WATER SYSTEM ANNUAL	REPORT fil

The state of the s	National Park William	医乳头周围 化二氢甲烷 数字	
PERATIONAL PROBLEMS		Andreas Andreas Andreas Andreas	
Were there any operational proble period? (e.g. insufficient water sup disinfection equipment, line breaks	pply, malfunction of	Yes	x XNo
If yes, complete the table below; atto	ach additional sheet	s if necessary.	
Incident Date Type of Operationa	l Problem Co	rrective A tionTake	1
MAYOR UPGRADES/REPAIRS & EXPENSES.			
Were there any major upgrades/repincurred during this reporting period		<i>costs</i> □ Yes	X No
If yes, complete the table below; atta	ach additional sheet.	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			
FUTURE IMPROVEMENTS			
Are there any plans for future impro	ovements?	Yes	X No
If yes, complete the table below; att	tach additional she	eets if necessary.	
Future Upgrades or Improvements			Estimated Date of Completion
DATE COMPLETED: May 23, 2023		COMPLETED BY: Da	ave Roblin

Sample Range Report

Fraser Health Authority

Facility Name:

Dewdney WS

Date Range:

Jan 1 2022 to Dec 31 2022

Operator

90

Fraser Valley Regional District

45950 Cheam Ave Chilliwack, BC V2P 1N6

Sampling Site	Date Collected	Total Coliform	E. Coli	Fecal Coliform
Lougheed and				
Hawkin Intersection	7.			
	1-4-2022 9:15:00 AM	LT1	LT1	
	1-18-2022 9:30:00 AM	LT1	LT1	
	2-1-2022 9:45:00 AM	LT1	LT1	
	2-15-2022 9:00:00 AM	LT1	LT1	
	3-1-2022 9:45:00 AM	LT1	LT1	
	3-15-2022 10:30:00 AM	LT1	LT1	
	3-29-2022 9:25:00 AM	LT1	LT1	
	4-12-2022 10:00:00 AM	LT1	LT1	
	4-26-2022 10:00:00 AM	LT1	LT1	
	5-10-2022 9:30:00 AM	LT1	LT1	
	5-24-2022 9:30:00 AM	LT1	LT1	
	6-21-2022 9:00:00 AM	LT1	LT1	
	7-12-2022 9:00:00 AM	LT1	LT1	
	7-19-2022 8:30:00 AM	LT1	LT1	
	8-2-2022 10:50:00 AM	LT1	LT1	
	8-23-2022 9:30:00 AM	LT1	LT1	
	8-30-2022 8:45:00 AM	LT1	LT1	
	9-13-2022 9:30:00 AM	LT1	LT1	
	9-27-2022 9:00:00 AM	LT1	LT1	
	10-11-2022 8:00:00 AM	LT1	LT1	
	11-8-2022 9:00:00 AM	LT1	LT1	

	11-22-2022 9:15:00 AM	LT1	LT1	
	12-6-2022 9:30:00 AM	QRWRT	QRWRT	
	Total Positive:	0	0	
Mill Standpipe,				
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	1-25-2022 9:30:00 AM	LT1	LT1	
	2-8-2022 9:30:00 AM	LT1	LT1	
	2-22-2022 9:45:00 AM	LT1	LT1	
	3-8-2022 9:00:00 AM	LT1	LT1	
	3-22-2022 9:00:00 AW 3-22-2022 8:30:00 AM	LT1	LT1	
		1.74	LT1	
	4-5-2022 9:15:00 AM	LT1 LT1	LT1	
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	5-3-2022 10:00:00 AM	LT1	LT1	
	5-17-2022 9:20:00 AM	LT1	LT1	
	5-31-2022 9:50:00 AM	LT1	LT1	
	6-7-2022 9:15:00 AM	LT1	LT1	
	6-14-2022 9:30:00 AM	LT1	LT1	
	6-22-2022 10:00:00 AM	LT1	LT1	
	6-28-2022 9:30:00 AM	LT1	LT1	
	7-5-2022 10:00:00 AM	LT1	LT1	
	7-26-2022 9:30:00 AM	LT1	LT1	
	8-9-2022 9:15:00 AM	LT1	LT1	
	8-16-2022 9:32:00 AM	LT1	LT1	
	9-6-2022 8:45:00 AM	LT1	LT1	
		LT1	LT1	
	9-20-2022 9:45:00 AM			
	10-4-2022 9:00:00 AM	LT1	LT1	
	10-18-2022 11:00:00 AM	LT1	LT1	
	10-25-2022 8:45:00 AM	LT1	LT1	
	11-1-2022 9:30:00 AM	LT1	LT1	
	11-15-2022 9:30:00 AM	LT1	LT1	
	11-29-2022 8:45:00	LT1	LT1	

AM 12-13-2022 9:15:00 AM

LT1

<u>LT1</u>

Total Positive:

0

0

0

Result Values:	E - estimated	L - less than	G - greater than
Samples that contain total Samples that contain e. co Samples that contain fecal Number of consecutive sa contain total coliform: Number of samples that co coliform in last 30 days: Total number of samples:	ocoliform: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0.00% of total 0.00% of total 0.00% of total

Comments:

Environmental Health Officer Feb 27 2023

FOR FURTHER INFORMATION PLEASE CALL: David Fowler



Element #104, 19575-55 A Ave. Surrey, British Columbia V3S 8P8, Canada

T: +1 (604) 514-3322 F: +1 (604) 514-3323

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:

2878158 Report Number:

Company: **FVRD**

Reference Number

1654374-3

Sample Date Sample Time May 30, 2023

Sample Location

08:45

Sample Description

Dewdney Well / 6.6 °C

Sample Matrix

Drinking Water

				Nominal Detection	Guideline	Guideline
Analyte		Units	Result	Limit	Limit	Comments
Metals Extractable						
Silicon	Extractable	mg/L	1.95	0.05		
Aluminum	Extractable	mg/L	0.038	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	0.004	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	0.004	0.001	1 AO; 2 MAC	Below AO
Lead	Extractable	mg/L	0.0003	0.0001	0.005	Below MAC
Selenium	Extractable	mg/L	< 0.0002	0.0002	0.05	Below MAC
Strontium	Extractable	mg/L	0.005	0.001	7.0	Below MAC
Uranium	Extractable	mg/L	< 0.0005	0.0005	0.02	Below MAC
Vanadium	Extractable	mg/L	0.0002	0.0001		
Zinc	Extractable	mg/L	0.012	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			6.46	1	7.0-10.5	Below OG Range
Electrical Conductivity	at 25 °C	μS/cm	18	1		
Calcium	Extractable	mg/L	1.8	0.2		
Magnesium	Extractable	mg/L	0.2	0.2		
Sodium	Extractable	mg/L	0.8	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	2.5	0.4	250	Below AO
Fluoride		mg/L	< 0.05	0.05	1.5	Below MAC
Nitrate - N		mg/L	0.09	0.01	10	Below MAC
Nitrite - N		mg/L	0.006	0.005	1	Below MAC
Sulfate (SO4)	Extractable	mg/L	< 0.9	0.9	500	Below AO
T-Alkalinity	as CaCO3	mg/L	5	5		
Total Dissolved Solids		mg/L	8	1	500	Below AO
Hardness	as CaCO3	mg/L	5.4			