



FEB U.8 2024 FRASER VALLEY REGIONAL DISTRICT

DEPARTMENT David

February 1, 2024

Dear: Water System Operator

Re: Annual Reporting Requirements for Permitted Water Systems

Please find enclosed a copy of the 2023 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 2023 calendar year. As per the Drinking Water Protection Act the report is required to be made available to all users by June 30th 2024.

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

Fraser Health Authority Health Protection Suite 400 2777 Gladwin Rd Abbotsford BC V2T 4V1 Canada Tel (604) 870-7900 Fax (604) 852-1558 www.fraserhealth.ca



February 1, 2024

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

Fraser Health Authority Health Protection Suite 400 2777 Gladwin Rd Abbotsford BC V2T 4V1 Canada Tel (604) 870-7900 Fax (604) 852-1558 www.fraserhealth.ca

PAGES DRINKING WATER SYSTEM ANNUAL REPORT DRINKING WATTER SYSTEM ANNUAL REPORT January 1st to December 31st, 2023 (year) **Reporting Period: Dogwood Valley** Water System Water System Owner Fraser Valley Regional District Primary Contact Name (Operator or Manager) Dave Roblin 604-798-5426 Phone Number (Operator or Manager) E-mail (Operator or Manager) droblin@fvrd.ca DESCRIBE YOUR WATER SUPPLY SYSTEM What is the Source(s) of Raw Water? O Shallow Well D Surface Water D Other OxDeep Well If other, specify details: Does the Drinking Water System have Primary Disinfection? Yes □ No D Chlorination D Ultraviolet Light D Other D Ozone If other, specify details: Does the Drinking Water System have Secondary Disinfection? ☐ Yes XNO Ot her D Chlorination If other, specify details: Does the Drinking Water System have Filtration? Yes X No Check all boxes that apply D Sand Filtration 0 Cartridge Filter(s) 0 Carbon Filter D Reverse Osmosis D Other If other, specify details: PUBLIC REPORTING Emergency Response & Contingency Plan (ERCP) **O** Yes Is your ERCP up to Date? 0No How do you Inform the System Users of the ERCP? O Hand Delivered O Bulletin Board D Newspaper 0 Utility Bill Insert Website 0 Other (specify details) **Drinking Water System Annual Report** How do you Inform the System Users of the Annual Report? D Hand Delivered O Bulletin Board O Newspaper Utility Bill Insert O Website D Other (specify details)

				DRINKIN	IG WATER	SYSTEM AN	NUAL REPO	ASE & CEP ST
OMPLIANCE W	TH OPERATING P	ermit.						
List the con	ditions that ha	ve been placed	on your Operatii	ng Permit _{(if}	<u>vou_have_con</u>	ditions. <u>these</u> wil	l be stated on	vour_permit):
	1	1.1 1	1 1			<u>x</u>	0	
Are you in c	compliance with	h the condition.	s listed an your ()perating P	ermit?	D Yes	U No	ON/A
ACTURIOLOGIC	AL TESTING AND	DRINKING WATE	r Prometion Res	ULATION WA	TER QUAL	N STANDARI	S	
How many	bacteriological	samples were	collected during t	hisreporting	g period?		56	
What is the	minimum requ	uired sampling	frequency for th	is system? {	(#sample.	s/month)	4	
Additional s	sampling detail	s:						
Was the mi	nimum require	ed sampling fre	equency achievea	!? }	Yes		□ No	
Comm ent s					,			
Bacteriolog	gical summary	vattached to th	his report?	ĺ	Yes		🗆 No	
If no, how a	lo the users of	the system view	v the results?					
					14.000000000000000000000000000000000000		1284-411-424-414	1000 000-000 000000000 0000000000000000
Wamar Qualifi	N SHANDARDS RO	ir Potaele Wat	ER	4年1月1日				
Parameter:		Standard	:		Di	d this syste	em meet s	tandard?
Escherichia	coli	No detecta	ole <i>Escherichia coli</i> p	er 100ml	X	Yes		10
Total Colifo	orm Bacteria				×_			
(if only 1 sample	e collected in a 30	No detectal	ble total coliform ba	cteria per 100n	nl 📘	Yes		10
(if more than 1 30 day period)	sample collected i	n o coliform ba	an 10% Of samples e acteria, and No samp iform bacteria per 10	le has more the	an 🗌	Yes		lo
If the system the table be	n did not meet low; attach add	any of above L ditional sheets	Drinking Water Plater P	rotection Re	egulation	standards,	record the	results in
Date	TC/lOOml	E.coli/100ml	Reason		Correcti	ve Action		

DRINKING WATER SYSTEM ANNUAL REPORT

的。 这些我们就是我们是我们的是我们的是我们的是你们的。

Was any chem	ical sampling c	conducted during repo	orting period?	Τά Yes	Ŭ Ño	
If no, when we far this system	ere the last che	emical samples condu	ucted If yes, o Canad	did all water san ian Drinking Wa	nples meet the Guideline ater Quality?	s for
(date]	0 Don't K	now O Never	x _{OYes}	C C	O No	
<i>If any water so the table below</i>	amples did not i w; attach additi	meet the Guidelines fo onal sheets if necessa	or Canadian Dr ry.	inking Water Qu	ality, record the results in	n
Parameter	Result	Corrective Action	n /Treatment/ C	Comments		
DDIMONALTES	NG					
domonal Testi Does the syste	NG m have analyze	rs for continuous mo	nitoring?	Yes		
Both ToxAL Thesh Does the syste If yes, check a	Me m have analyze Il boxes that ap	rs for continuous mo ply:	nitoring?	Yes	ONo ONo	
DoinTONAL TESTI Does the syste If yes, check a O Chlorine	Me m have analyze Il boxes that apj O Turl	rs for continuous mo ply: bidity 0 (nitoring? Dther (details)	Yes	ONo	12

sheets if necessary.

Additional Testing & Reason for Sampling	Corrective Action Taken

WATER QUALITY COMPLAINTS

Were there any water quality complaints in this reporting	Yes	ΠΝο
period? (e.g. taste; odour, colour etc.)		

If yes, complete the table below; attach additional sheets if necessary.

Date	Water Quality Complaint	Corrective Action/ Treatment
	•	

DRERAMONAL PROBLEMS	
Were there any operational problem	is during this reporting
period? (e.g. insufficient water supp disinfection e uipment, line breaks	<i>ly, malfunction of</i> Yes $^{\prime}$ No, <i>elevated turbidity etc.).</i>
If yes, complete the table below; att	ach additional sheets if necessary.
Incident Date Type of Operationa	I Problem Corrective Ai:tion Taken
MAIOR UPGRADES/ REPAIRS & EXPENSIS	
Were there any major upgrades/rep	Deairs or any major costs \Box Yes $\overset{X}{\Box}$ N o
_ incurred during inis reporting perio	<i>u</i> ?
If yes, complete the table below; at	tach additional sheets 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	Flushing of system
Specialist report	
Other	

FUTURE IMPROVEMENTS

Are there any plans for future improvements?

Yes

X_{No}

If yes, complete the table below; attach additional sheets if necessary.

Future Upgrades or Improvements	Estimated Date of Completion			
DATE COMPLETED: July 92024	COMPLETED BY: D	ave Roblin		

Sample Range Report

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Fraser Health Authority

Facility Name: Date Range:	Dogwood Valley Water S Jan 1 2023 to Dec 31 20	Supply Area 23		
Operator	Dave Roblin 45950 Cheam Ave Chilliwack, BC V2P 1N6			
Sampling Site	Date Collected	Total Coliform	E. Coli	Fecal Coliform
Dogwood Valley Pumphouse, 2660 Apostilic Way	<u>/</u>			
<u>Apostino Way</u>	1-10-2023 7:30:00 ΔM	LT1	LT1	
	1-24-2023 8:15:00	LT1	LT1	
	2-7-2023 7:45:00 AM 2-21-2023 7:55:00 AM	LT1 LT1	LT1 LT1	
	3-7-2023 8:00:00 AM 3-21-2023 8:10:00	LT1 LT1	LT1 LT1	
	4-4-2023 8:30:00 AM 4-11-2023 8:15:00	LT1 LT1	LT1 LT1	
	4-18-2023 8:30:00	LT1	LT1	
	5-1-2023 8:15:00 AM 5-16-2023 7:25:00	REJCT DELAY3 LT1	REJCT DELAY3 LT1	
	6-13-2023 8:00:00	QRWRT	QRWRT	
	6-27-2023 8:15:00	LT1	LT1	
	7-11-2023 8:00:00	LT1	LT1	
	7-25-2023 9:05:00	LT1	LT1	
	8-8-2023 8:20:00 AM 8-22-2023 8:30:00	LT1 LT1	LT1 LT1	
	9-5-2023 7:50:00 AM 9-19-2023 8:20:00	LT1 LT1	LT1 LT1	
	10-3-2023 8:15:00	LT1	LT1	
	Ам 10-17-2023 8:15:00 ДМ	LT1	LT1	
	10-31-2023 7:45:00 AM	LT1	LT1	

	11-14-2023 8:15:00	LT1	LT1
	AM 11-28-2023 8:15:00	LT1	LT1
	AM 12-12-2023 8:00:00	<u>LT1</u>	<u>LT1</u>
	Total Positive:	0	0
Niekel Mine and			
Reynolds Rd			
7	1-3-2023 8:30:00 AM 1-17-2023 7:55:00	LT1 LT1	LT1 LT1
<u>ئ</u>	AM 1-31-2023 8:00:00 AM	LT1	LT1
	2-14-2023 7:00:00 AM	LT1	LT1
	2-28-2023 7:45:00 AM	LT1	LT1
	3-14-2023 8:00:00 AM	LT1	LT1
	3-28-2023 8:10:00 AM	REJCT LKS2	REJCT LKS2
	4-25-2023 8:30:00 AM	LT1	LT1
	5-9-2023 8:35:00 AM 5-23-2023 8:15:00	QRWRT LT1	QRWRT LT1
	5-30-2023 8:30:00 AM	LT1	LT1
	6-6-2023 8:30:00 AM 6-20-2023 7:30:00	LT1 LT1	LT1 LT1
	AM		
	7-4-2023 8:15:00 AM 7-18-2023 8:00:00	LT1 LT1	LT1 LT1
	AM 8-1-2023 7:05:00 AM	LT1	LT1
	8-15-2023 7:30:00	LT1	LT1
	9-12-2023 8:00:00	LT1	LT1
	10-10-2023 8:00:00	LT1	LT1
	10-24-2023 8:00:00	LT1	LT1
	11-7-2023 8:00:00 AM	LT1	LT1
	11-21-2023 7:45:00 AM	LT1	LT1
	12-5-2023 7:30:00 AM	LT1	LT1
	12-19-2023 7:45:00 AM	<u>LT1</u>	<u>LT1</u>
	Total Positive:	0	0

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0

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Reservoir.				
1-17-2023 7:45:	00	LT1	LT1	
		1 7 4	1 74	
3-14-2023 /:45:0	00	LII	LII	
AM			1 7 4	
6-6-2023 8:10:00	AM			
7-3-2023 8:00:00	AM	QRWRT	QRWRT	
8-29-2023 6:45:	00	LT1	LT1	
AM				
9-26-2023 7:15:	00	LT1	LT1	
AM				
10-24-2023 7:40:		<u>LT1</u>	<u>LT1</u>	
AM				
Total Positive	_	0	0	0
Result Values: E - estimate	d	L - less th	an G	- greater than
Complex that contain total coliform:	ΙΛ		0.00	1% of total
Samples that contain total coliform:	0		0.00	0% of total
Samples that contain total coliform: Samples that contain e. coli:	0		0.00	0% of total 0% of total
Samples that contain total coliform: Samples that contain e. coli: Samples that contain fecal coliform:	0 0 0		0.00 0.00 0.00	0% of total 0% of total 0% of total
Samples that contain total coliform: Samples that contain e. coli: Samples that contain fecal coliform: Number of consecutive samples that	0 0 0 0		0.00 0.00 0.00	0% of total 0% of total 0% of total
Samples that contain total coliform: Samples that contain e. coli: Samples that contain fecal coliform: Number of consecutive samples that contain total coliform:	0 0 0 0		0.00 0.00 0.00	0% of total 0% of total 0% of total
Samples that contain total coliform: Samples that contain e. coli: Samples that contain fecal coliform: Number of consecutive samples that contain total coliform: Number of samples that contain total	0 0 0 0 0/0		0.00 0.00 0.00	0% of total 0% of total 0% of total
Samples that contain total coliform: Samples that contain e. coli: Samples that contain fecal coliform: Number of consecutive samples that contain total coliform: Number of samples that contain total coliform in last 30 days:	0 0 0 0 0/0		0.00 0.00 0.00	0% of total 0% of total 0% of total

Comments:

Environmental Health Officer Jan 24 2024

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



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W: www.element.com

Analytical Re	port						
Bill To: Attn: Sampled By: Company:	Fraser Valley Regional District 1 - 45950 Cheam Ave. Chilliwack, BC, Canada V2P 1N6 Accounts Payable FVRD	Ct Project ID: Project Name: Project Location: LSD: P.O.: Proj. Acct. code:	Canyon Chem/Phys Canyon WS Fraser Canyon	Contro Date Date Repoi	Lot ID: ol Number: Received: Reported: rt Number: port Type:	Apr 9, 202 Apr 15, 20 2991155 Final Repo	5 9 4 24 ort
		Reference Number	1724059-2				
		Sample Date Sample Time Sample Location	April 09, 2024 08:30				
	:	Sample Description	Well / Dogwood V	Valley WS / 7.1 °C			
		Sample Matrix	Drinking Water				
Analyte		Units	N Result	Nominal Detection Limit	Guidel Limi	ine t	Guideline Comments
Metals Extractat	ble						
Aluminum	Extractable	mg/L	0.002	0.001	0.1 OG; 2.	9 MAC	Below OG
Antimony	Extractable	mg/L	0.00003	0.00002	0.00	6	Below MAC
Arsenic	Extractable	mg/L	0.0009	0.0001	0.01	0	Below MAC
Barium	Extractable	mg/L	0.0096	0.0001	2.0		Below MAC
Boron	Extractable	mg/L	0.007	0.002	5		Below MAC
Cadmium	Extractable	mg/L	<0.00001	0.00001	0.00	7	Below MAC
Chromium	Extractable	mg/L	0.00067	0.00005	0.05	5	Below MAC
Copper	Extractable	mg/L	<0.0005	0.0005	1 AO; 2	MAC	Below AO
Lead	Extractable	mg/L	0.00002	0.00001	0.00	5	Below MAC
Selenium	Extractable	mg/L	0.0003	0.0002	0.05	5	Below MAC
Strontium	Extractable	mg/L	0.10	0.0001	7.0		Below MAC
Uranium	Extractable	mg/L	0.00012	0.00001	0.02	2	Below MAC
Vanadium	Extractable	mg/L	0.00088	0.00005			
Zinc	Extractable	mg/L	0.0018	0.0005	5.0		Below AO
Physical and Ag	gregate Properties						
Colour	True	Colour units	<5	5			
Turbidity		NTU	0.11	0.1	0.1/0.3/1	0 OG	
Routine Water							
рН			7.66	0.01	7.0-10).5	Within Range
pH - Holding Tim	10		Exceeded				
Temp. of observ	ed pH	°C	21.2				
Electrical Condu	ctivity at 25 °C	μS/cm	161	1			
	Extractable	mg/L	21	0.01	0.0		Delaw AO
Iron	Extractable	mg/L	<0.004	0.004	0.3		Below AO
Manganese	Extractable	mg/L	<0.001	0.001	0.02 AO; MAC	0.12	Below AO
Potassium	Extractable	mg/L	0.80	0.04			
Silicon	Extractable	mg/L	5.6	0.005			
Sodium	Extractable	mg/L	2.4	0.1	200		Below AO
T-Alkalinity	as CaCO3	mg/L	69	5			
Chloride	Dissolved	mg/L	2.42	0.05	250		Below AO
Fluoride	Dissolved	mg/L	<0.01	0.01	1.5		Below MAC
Nitrate - N	Dissolved	mg/L	0.30	0.01	10		Below MAC
Nitrite - N	Dissolved	mg/L	<0.01	0.01	1		Below MAC
Sulfate (SO4)	Dissolved	mg/L	6.5	0.1	500		Below AO
Hardness	as CaCO3 (extractable) Solids Extractable	mg/L	64	1	E00		Below AO
TUTAL DISSOIVED	Solids Extractable	mg/L	94	Т	500		DEIOW AU