	ct	et cook				
eporting Period: January 1 st to December 31 st , 2021 (year)						
Water System Northside Firehall #1						
Water System Owner qathet Regional District						
Primary Contact Name (Operator or Manag	er) Regan Keil, Parks and P	roperties Supervisor				
Phone Number (Operator or Manager)	604-485-2260 ext 408					
E-mail (Operator or Manager)	rkeil@qathet.ca					
DESCRIBE YOUR WATER SUPPLY SYSTEM						
What is the Source(s) of Raw Water?						
✓ Deep Well Shallow Wel	Surface Water	Other				
If other, specify details:						
Does the Drinking Water System have	Primary Disinfection?	Yes	✓No			
Chlorination Ultraviolet L	ight Ozone	Other				
If other, specify details:						
Does the Drinking Water System have	Secondary Disinfection?	Yes	✓No			
Chlorination Other						
If other, specify details:						
Does the Drinking Water System have	Filtration?	✓Yes	□No			
Check all boxes that apply						
Cartridge Filter(s) Carbon Filter	r Sand Filtration	Reverse Osmosis	Other			
If other, specify details:						
PUBLIC REPORTING						
Emergency Response & Contingency F	Plan (ERCP)					
Is your ERCP up to Date?	✓Yes	□No				
How do you Inform the System Users	of the ERCP?					
	rd Newspaper	Utility Bill Insert	✓Website			
Hand Delivered Bulletin Boar						
Hand Delivered Bulletin Boar Other (specify details)						
	t					
Other (specify details)						
Other (specify details) Drinking Water System Annual Report	of the Annual Report?	Utility Bill Insert	✓ Website			

COMPLIANCE WITH C	OPERATING	PERMIT				
List the condition	s of your (Operating Perr	mit (Contact the DW	O for a copy if	needed):	
Submit bacteriolog	jical sampl	les on a minim	um quarterly basis.			
Complete the wate	er system I	Emergency Re	sponse & Contingend	y Plan before	June 03, 20	13 and submit a copy
to the DWO.						
Are you in compli	iance with	your Operatii	ng Permit?	✓Yes		□No
BACTERIOLOGICAL T	ESTING AND	DRINKING WAT	ER PROTECTION REGULA	ATION WATER Q	UALITY STAND	ARDS
How many bacter	riological :	samples were	collected during this	reporting per	iod?	4
What is the minin	mum requ	ired sampling	frequency for this sy	stem? (#samp	les/month)	Quarterly
Additional sampli	ng details:	:				
Was the minimum	m required	d sampling free	quency achieved?	✓Yes		□No
Comments:						
Bacteriological su	ummary a	ttached to this	report?	✓Yes		□No
Water Quality Sta	ANDARDS FO	or Potable Wa	TER			
Water Quality Sta	ANDARDS FO	OR POTABLE WA			Did this sys	tem meet standard?
	ANDARDS FO	Standard		0ml	Did this sys ✓Yes	tem meet standard?
Parameter: Escherichia coli (for all samples) Total Coliform Bac (if only 1 sample collec	cteria	Standard No detectal	<i>:</i>			
Parameter: Escherichia coli (for all samples) Total Coliform Bad	cteria ected in a 30 cteria	No detectal No detectal No more th coliform ba	l: ble <i>Escherichia coli</i> per 10	per 100ml n total	Yes	□No
Parameter: Escherichia coli (for all samples) Total Coliform Bac (if only 1 sample collect day period) Total Coliform Bac (if more than 1 sample 30 day period)	cteria ected in a 30 cteria le collected in	No detectal No detectal No more th coliform ba 10 total coli any of above L	ble Escherichia coli per 10 ble total coliform bacteria an 10% of samples contai cteria, and No sample has iform bacteria per 100ml Drinking Water Prote	per 100ml n total s more than	✓Yes ✓Yes ✓Yes	□No □No
Parameter: Escherichia coli (for all samples) Total Coliform Bac (if only 1 sample colled day period) Total Coliform Bac (if more than 1 sample 30 day period) If the system did the table below; of	cteria ected in a 30 cteria le collected in	No detectal No detectal No more th coliform ba 10 total coli any of above L	ble Escherichia coli per 10 ble total coliform bacteria an 10% of samples contai cteria, and No sample has iform bacteria per 100ml Drinking Water Prote	per 100ml n total more than ction Regulat	✓Yes ✓Yes ✓Yes	□No □No □No ds, record the results in
Parameter: Escherichia coli (for all samples) Total Coliform Bac (if only 1 sample colled day period) Total Coliform Bac (if more than 1 sample 30 day period) If the system did the table below; of	cteria ected in a 30 cteria le collected ii not meet a attach add	No detectal No detectal No more th coliform ba 10 total coli any of above L ditional sheets	ble Escherichia coli per 10 ble total coliform bacteria an 10% of samples contai cteria, and No sample has iform bacteria per 100ml Drinking Water Prote if necessary.	per 100ml n total more than ction Regulat	✓Yes ✓Yes ✓Yes	□No □No □No ds, record the results in
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Parameter: Escherichia coli (for all samples) Total Coliform Bac (if only 1 sample colled day period) Total Coliform Bac (if more than 1 sample 30 day period) If the system did the table below; of	cteria ected in a 30 cteria le collected ii not meet a attach add	No detectal No detectal No more th coliform ba 10 total coli any of above L ditional sheets	ble Escherichia coli per 10 ble total coliform bacteria an 10% of samples contai cteria, and No sample has iform bacteria per 100ml Drinking Water Prote if necessary.	per 100ml n total more than ction Regulat	✓Yes ✓Yes ✓Yes	□No □No □No ds, record the results in
Parameter: Escherichia coli (for all samples) Total Coliform Bac (if only 1 sample colled day period) Total Coliform Bac (if more than 1 sample 30 day period) If the system did the table below; of	cteria ected in a 30 cteria le collected ii not meet a attach add	No detectal No detectal No more th coliform ba 10 total coli any of above L ditional sheets	ble Escherichia coli per 10 ble total coliform bacteria an 10% of samples contai cteria, and No sample has iform bacteria per 100ml Drinking Water Prote if necessary.	per 100ml n total more than ction Regulat	✓Yes ✓Yes ✓Yes	□No □No □No ds, record the results in

CHEMICAL SAM	PLING COMPLETE	D DURING THIS REP	ORTING PERI	OD		
					✓No	
Was any chemical sampling conducted during reporting period?						
	•	meet the Guide tional sheets if n	-	nadian Drinking Wat	ter Quality, record the results in	
Parameter	r Result Corrective Action / Treatment / Comments					
Additional Te	STING					
	_		nducted, re	cord results in the tab	ble below; attach additional	
Additional Te	sting & Reason	for Sampling	Correctiv	e Action Taken		
Water Qualit	Y COMPLAINTS					
Were there any water quality complaints in this reporting period? (e.g. taste, odour, colour etc.)						
If yes, complete the table below; attach additional sheets if necessary.						
Date	Water Quali	ty Complaint	Corre	ective Action / Treatn	nent	

Revised June 2014

OPERATIONAL PROBLEMS								
Were there any operational problems during this reporting period? (e.g. insufficient water supply, malfunction of								
If yes, complete the table below; at	If yes, complete the table below; attach additional sheets if necessary.							
Incident Date Type of Operationa	l Problem (Corrective A	Action Taken					
MAJOR UPGRADES/REPAIRS & EXPENSES								
Were there any major upgrades/rep	pairs or any ma	ior costs						
incurred during this reporting period		,0, 00313	Yes	✓No				
If yes, complete the table below; at	tach additional	sheets if ne	cessary.					
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	∠ No				
If yes, complete the table below; attach additional sheets if necessary.								
Future Upgrades or Improvements Estimated Date of Completion								
Click here to enter a date.								
DATE COMPLETED: April 22, 2022 COMPLETED By: Regan Keil								

NVFD - POWELL RIVER COMMUNITY HEALTH

DATE COLLECTED		INSIDE TAP					
YEAR	DATE	TC* FC** CMT		TC*	FC**	CMT	
2021							
	20-Apr	L1	L1				
	28-Sep	L1	L1				
	7-Dec	L1	L1				

EST: EST result indicates high colony density on membrane preventing accurate coliform counting.

BWA: Boil Water Advisory

OG: Overgrown - confluent bacterial growth on membrane preventing accurate coliform determination

- More than 200 background colonies noted on total coliform membrane filter per 100 ml. Indicates system requires flushing
- # Indicates high colony density on membrane preventing accurate coliform counting
- * Total Coliform per 100 mL
- ** E. Coli per 100 mL

CMT Comment

L Less than



Small Water System Emergency Response Plan

Name of Water System: NVFD #1

Date Prepared: March 10, 2022 Prepared By: Caroline Visser

Emergency Contact Information

Contact Name(s)	Phone #	Cell #	Fax # or other #'s	Email
Operator If certified operator give EOCP #: Regan Keil - #9197	604-487-1380	604-223-7856		rkeil@qathet.ca
Owner's Name and Address: qathet Regional District 202 – 4675 Marine Ave. Powell River, BC V8A 2L2	604-487-1380	604-483-8201		operations@qathet.ca
Electrician: Foxtrot Electrical Solutions	604-414-3929			
Plumber: Target Plumbing	604-483-5192	604-414-8450		
Equipment Supplier(s): Pete's Plumbing Fred Surridge	604-485-9761 250-954-0368			
Other: Jim Brown, Chief	604-483-9303	604-483-1371		
	Public Healtl	h Contact Inform	ation	
Drinking Water Officer: Michael Nguyen, DWO	604-485-3324	604-414-5545	778-317-8567	Michael.nguyen@vch.ca
Back-up Health Contact Darren Molder, SEHO	604-885-8711	604-989-1357	604-885-5200	Darren.molder@vch.ca
Back-up Health Contact Jack Davidson, EHO	604-485-3335	604-483-1981	604-314-0596	Jack.Davidson@vch.ca
Medical Health Officer: Dr. Geoff McKee, MHO	604-983-6701	604-842-2357	604-983-6715	geoff.mckee@vch.ca
Back-up Health Contact Mark Ritson, DWO, Manager Health Protection	604-983-6751	604-219-7359	604-988-6516	Mark.ritson@vch.ca

Location of Water Source(s)

Directions to Site: 20km N of Powell River on Plummer Creek Road of Craig Road.

Attach photos: see next page

GPS settings: 49° 56′ 55.99″ N 124° 40′ 50.8″ W

IN CASE OF EMERGENCY: Enter name of the person responsible for tasks.

If the water in the water system becomes contaminated or you receive an unsatisfactory water result, or in the event of an interruption in the treatment process:

- 1. Shut off water supply, if appropriate.
- 2. **Regan** Keil will notify DWO or back-up health contact.
- 3. Contact other appropriate person(s) from the list of emergency numbers.
- 4. **Regan Keil** will notify any affected water users. Please keep a phone and address list of users and warning signs handy. May need to phone or hand-deliver the notice (and water disinfection procedures) to the users.
- 5. **Regan Keil** will post warning signs.
- 6. **Regan Keil** will coordinate repair.
- 7. Organize alternate source of safe drinking water (if available).

Start-up Procedure

- 1. Identify and correct source of contamination.
- 2. Entire system should be flushed and disinfected. Follow attached guideline.
- 3. Submit water sample(s) to appropriate approved Lab for testing. For bacteriological contamination three negative successive samples are usually required. Contact your DWO to confirm the number of samples necessary.
- 4. Contact DWO for approval to resume use of water supply.

Posting the Emergency Response Plan

The ERP must be posted in a conspicuous location that is easily accessible to the operator and management of the water supply.

Location of ERP: Upstairs of fire hall by kitchen sink with a copy at the qathet Regional District Maintenance Facility.

Additional Information

- 1. Include a schematic drawing of the water supply system; from the source to the tap. Include all sources, storage, reservoirs, treatment and distribution system.
- 2. Include public notices which may be required in the event of a "boil advisory" or "do not consume" notice. Templates are attached.

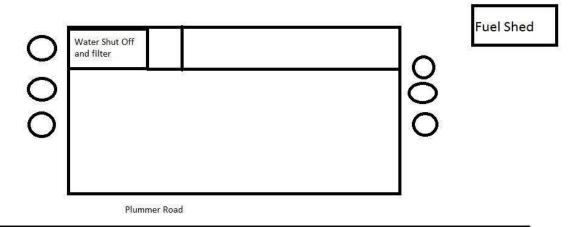
Additional Information

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O Well

Northside Fire Hall



DO NOT USE WATER NOTICE

NVFD#1 WATER
SYSTEM
IS ADVISING ALL USERS
THAT THE DOMESTIC
WATER SUPPLY IS NOT
SAFE FOR DRINKING OR
DOMESTIC USE.

**DUE TO THE NATURE OF THE CONTAMINATION, BOILING MAY NOT ACHIEVE SAFE DRINKING WATER



BOIL WATER ADVISORY

NVFD#1 Water System is advising all users to boil their water before using it for drinking, cooking, washing food, or brushing teeth, due to a potential problem with the water system.

The water can be made safe by boiling it for one minute at a rolling boil. Boiled water should be stored in a clean container in the refrigerator.

Alternatively, bottled water can be used.

You will be notified when service is returned to normal and the water is again safe to drink. Thank you for your co-operation in this matter.

