



DRINKING WATER SYSTEM ANNUAL REPORT

Reporting Period: January 1st to December 31st, (year) 2021
Water System Part Alice Water System
Water System Owner Village of Port Alice
Primary Contact Name (Operator or Manager) Jason Yunker
Phone Number (Operator or Manager) 250-209-2856
E-mail (Operator or Manager) jyunker@portalice.ca

DESCRIBE YOUR WATER SUPPLY SYSTEM

What is the Source(s) of Raw Water?

Deep Well Shallow Well Surface Water Other

If other, specify details:

Does the Drinking Water System have Primary Disinfection? Yes No

Chlorination Ultraviolet Light 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 Sand Filtration Reverse Osmosis Other

If other, specify details:

PUBLIC REPORTING

Emergency Response & Contingency Plan (ERCP)

Is your ERCP up to Date? Yes No

How do you Inform the System Users of the ERCP?

Hand Delivered Bulletin Board Newspaper Utility Bill Insert Website

Other (specify details) Facebook page (Village)

Drinking Water System Annual Report

How do you Inform the System Users of the Annual Report?

Hand Delivered Bulletin Board Newspaper Utility Bill Insert Website

Other (specify details)



COMPLIANCE WITH OPERATING PERMIT

List the conditions of your Operating Permit (Contact the DWO for a copy if needed):

Are you in compliance with your Operating Permit?

 Yes

 No

BACTERIOLOGICAL TESTING AND DRINKING WATER PROTECTION REGULATION WATER QUALITY STANDARDS

How many bacteriological samples were collected during this reporting period?

67

What is the minimum required sampling frequency for this system? (#samples/month)

48

Additional sampling details:

Was the minimum required sampling frequency achieved?

 Yes

 No

Comments:

Bacteriological summary attached to this report?

 Yes

 No

If no, how do the users of the system view the results?

WATER QUALITY STANDARDS FOR POTABLE WATER

Parameter:	Standard:	Did this system meet standard?	
Escherichia coli (for all samples)	No detectable <i>Escherichia coli</i> per 100ml	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Total Coliform Bacteria (if only 1 sample collected in a 30 day period)	No detectable total coliform bacteria per 100ml	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Total Coliform Bacteria (if more than 1 sample collected in a 30 day period)	No more than 10% of samples contain total coliform bacteria, and No sample has more than 10 total coliform bacteria per 100ml	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No

If the system did not meet any of above Drinking Water Protection Regulation standards, record the results in the table below; attach additional sheets if necessary.

Date	TC/100ml	E.coli/100ml	Reason	Corrective Action
we had a few coliform results traced to an old bottle of bleach.				



CHEMICAL SAMPLING COMPLETED DURING THIS REPORTING PERIOD

Was any chemical sampling conducted during reporting period? Yes No

If no, when were the last chemical samples conducted for this system? (date) 2020 Don't know

If yes, attach a list of the chemical results

If any water samples did not meet the Guidelines for Canadian Drinking Water Quality, record the results in the table below; attach additional sheets if necessary.

Next scheduled full chemical test (date) 2025

Parameter	Result	Corrective Action / Treatment / Comments

ADDITIONAL TESTING

Does the system have analyzers for continuous monitoring? Yes No

If yes, check all boxes that apply:

Chlorine Turbidity Other (details)

Are the results available on request?

If any additional testing or sampling was conducted, record results in the table below; attach additional sheets if necessary.

Additional Testing & Reason for Sampling	Corrective Action Taken
<u>Juene handling</u>	<u>- old bleach bottle → mixed new bleach</u>
<u>New Metal Storage Tank</u>	<u>- old bleach bottle → mixed new bleach</u>

WATER QUALITY COMPLAINTS

Were there any water quality complaints in this reporting period? (e.g. taste, odour, colour etc.) Yes No

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

Date	Water Quality Complaint	Corrective Action / Treatment



OPERATIONAL PROBLEMS

Were there any operational problems during this reporting period? (e.g. insufficient water supply, malfunction of disinfection equipment, line breaks, elevated turbidity etc.). Yes No

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

Incident Date	Type of Operational Problem	Corrective Action Taken
April/27/2021	Main break	installed repair clamp

MAJOR UPGRADES/REPAIRS & EXPENSES

Were there any major upgrades/repairs or any major costs incurred during this reporting period? Yes No

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

Major Upgrades/Expenses	Details
Improvements required by DWO	
Additions/changes to system	
Purchase or install new equipment	installed new backflow preventer @ Sani station
Equipment repair or replacement	
Annual maintenance of system	
Specialist report	
Other	

FUTURE IMPROVEMENTS

Are there any plans for future improvements? Yes No

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

Future Upgrades or Improvements	Estimated Date of Completion
3 water wells to be inspected and refurbished	2022

Click here to enter a date. DATE COMPLETED: April 7, 2022	COMPLETED BY: Jason Vunker
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**Port Alice Water System
2021 Bacteriological Sample Results**

Date Collected	Site Name	Total Coliform	Total E. Coli
01/11/2021	8 Copper Coast	LT1	LT1
02/08/2021	8 Copper Coast	LT1	LT1
03/08/2021	8 Copper Coast	LT1	LT1
04/12/2021	8 Copper Coast	LT1	LT1
05/03/2021	8 Copper Coast	LT1	LT1
06/07/2021	8 Copper Coast	LT1	LT1
07/05/2021	8 Copper Coast	LT1	LT1
07/19/2021	8 Copper Coast	LT1	LT1
08/16/2021	8 Copper Coast	LT1	LT1
09/13/2021	8 Copper Coast	LT1	LT1
10/04/2021	8 Copper Coast	LT1	LT1
11/01/2021	8 Copper Coast	REJCT NSR	REJCT NSR
12/20/2021	8 Copper Coast	LT1	LT1

01/11/2021	Hospital	LT1	LT1
02/08/2021	Hospital	LT1	LT1
03/08/2021	Hospital	LT1	LT1
04/12/2021	Hospital	LT1	LT1
05/03/2021	Hospital	LT1	LT1
06/07/2021	Hospital	LT1	LT1
07/05/2021	Hospital	LT1	LT1
07/19/2021	Hospital	LT1	LT1
08/16/2021	Hospital	LT1	LT1
09/13/2021	Hospital	LT1	LT1
10/04/2021	Hospital	LT1	LT1
11/01/2021	Hospital	LT1	LT1
12/20/2021	Hospital	LT1	LT1

01/11/2021	New Metal Storage Tank	LT1	LT1
02/08/2021	New Metal Storage Tank	LT1	LT1
03/08/2021	New Metal Storage Tank	LT1	LT1
04/12/2021	New Metal Storage Tank	LT1	LT1
05/03/2021	New Metal Storage Tank	LT1	LT1
06/07/2021	New Metal Storage Tank	LT1	LT1
07/05/2021	New Metal Storage Tank	1	LT1
07/12/2021	New Metal Storage Tank	1	LT1
07/19/2021	New Metal Storage Tank	LT1	LT1
08/16/2021	New Metal Storage Tank	LT1	LT1
09/13/2021	New Metal Storage Tank	LT1	LT1
10/04/2021	New Metal Storage Tank	LT1	LT1
11/01/2021	New Metal Storage Tank	LT1	LT1
12/20/2021	New Metal Storage Tank	LT1	LT1

01/11/2021	WFP Juene Landing	LT1	LT1
02/08/2021	WFP Juene Landing	LT1	LT1
03/08/2021	WFP Juene Landing	LT1	LT1
04/12/2021	WFP Juene Landing	LT1	LT1

**Port Alice Water System
2021 Bacteriological Sample Results**

Date Collected	Site Name	Total Coliform	Total E. Coli
05/03/2021	WFP Juene Landing	LT1	LT1
06/07/2021	WFP Juene Landing	LT1	LT1
07/05/2021	WFP Juene Landing	4	LT1
07/12/2021	WFP Juene Landing	1	LT1
07/19/2021	WFP Juene Landing	LT1	LT1
08/16/2021	WFP Juene Landing	LT1	LT1
09/13/2021	WFP Juene Landing	LT1	LT1
10/04/2021	WFP Juene Landing	LT1	LT1
11/01/2021	WFP Juene Landing	LT1	LT1
12/20/2021	WFP Juene Landing	LT1	LT1

01/11/2021	Well 2	LT1	LT1
02/08/2021	Well 2	LT1	LT1
03/08/2021	Well 2	LT1	LT1
04/12/2021	Well 2	LT1	LT1
05/03/2021	Well 2	LT1	LT1
06/07/2021	Well 2	LT1	LT1
07/05/2021	Well 2	LT1	LT1
07/19/2021	Well 2	LT1	LT1
08/16/2021	Well 2	LT1	LT1
09/13/2021	Well 2	LT1	LT1
10/04/2021	Well 2	LT1	LT1
11/01/2021	Well 2	LT1	LT1
12/20/2021	Well 2	LT1	LT1

LT1 = less than one

Total number of samples = 67

Total number of treated water samples with Total Coliform bacteria = 4

Total number of treated water samples with E.coli bacteria = 0