

## Village of Pemberton Water System Annual Report - 2020

### INTRODUCTION

This report has been prepared for the consumers of the Drinking Water System of the Village of Pemberton to provide basic information on water quality and compliance with health standards. Public feedback and comments are always welcomed and should be directed to Village staff or Vancouver Coastal Health (Squamish) officials.

### CONSUMPTION (CUBIC METERS/DAY):

Daily flow is recorded at the Wellhouse located in Pioneer Park. Table 1 displays the maximum, minimum, average, and total water flows for 2020 and includes the previous two years for comparison. The volumes are fairly consistent over the past three years. Variations can be attributed to population growth, climatic factors, conservation efforts and leak detection and repairs. For daily results, please refer to **Appendix I**.

*Table 1 - Overall Water Consumption Summary*

	2018 Consumption	2019 Consumption	2020 Consumption
Average Flow/day:	1,800 m <sup>3</sup>	1,838 m <sup>3</sup>	1,855 m <sup>3</sup>
High Flow/day:	3,570 m <sup>3</sup> <i>(July 30, 2018)</i>	3,527 m <sup>3</sup> <i>(June 17, 2019)</i>	3,774 m <sup>3</sup> <i>(July 29, 2020)</i>
Low Flow/day:	1,001 m <sup>3</sup> <i>(September 26, 2018)</i>	1,067 m <sup>3</sup> <i>(January 19, 2019)</i>	1,038 m <sup>3</sup> <i>(December 17, 2020)</i>
Total Annual	656,756 m <sup>3</sup>	667,727 m <sup>3</sup>	676,900 m <sup>3</sup>

### CHLORINATION:

Chlorination is a condition of the Village of Pemberton's operating permit and has been in effect since March 2009. The objective is to have a positive residual chlorine reading throughout the water distribution system. The Fire Hall chlorine analyzer serves as the central measuring point, where a minimum residual of 0.20 mg/L is desired.

The chlorine residual is monitored continuously by a dedicated computer and alarm set points ensure consistent dosing. Daily readings of the previous 24 hour minimum residuals are recorded. The annual numbers are shown in Table 2.

*Table 2 - 2020 Chlorine Residual Summary*

	Residual (mg/L)
Average:	0.29
High:	0.50
Low:	0.14

To ensure that target chlorine residuals are achieved within the distribution system, the Village also carries out manual sampling at 9 sites throughout the distribution system each week.

For daily results, please refer to **Appendix I** and for weekly sample results **Appendix III**.

**WATER CHEMISTRY:**

The Annual Total Metals, Volatile Organic Compounds and Trihalomethane sampling was performed February 26, 2020. Sampling was conducted on production Wells #2 & #3, Oak St. and the Industrial Park sample stations. The test results indicate that all of the items tested are within Health Canada Maximum Acceptable Concentration (MAC) limits. Wells 2 and 3 exceeded the Aesthetic Objectives (AO) for Manganese. Aesthetic quality guidelines address parameters such as taste, odour and colour and are not considered a health concern. Recently, the guidelines for manganese were changed to a MAC of 0.12 mg/L (120 µg/L) and an AO of 0.02 mg/L (20 µg/L) for total manganese in drinking water. In February and March of 2020 the Village drilled 2 test Wells in the Pemberton aquifer in search of a new source that would deliver better quality water. One test well proved to have insufficient yield while the second test well had similar water quality to that of the emergency backup well. As such, the Village opted to clean and redevelop Wells 2 and 3 and initiate a monthly sampling program to determine next steps in treatment options for our well water. For full water quality test results from 2020, please refer to **Appendix II**.

**CORROSION CONTROL:**

In October 2017, the Village established a target pH of 7 and an alkalinity between 40 and 80mg/L as measured as CaCO<sub>3</sub> (Calcium Carbonate) for the municipal water supply, following concerns of corrosion of metallic plumbing fixtures in residential systems. Sodium Carbonate (Soda Ash) is added to the water supply prior to distribution to control pH and Alkalinity. Water

samples are tested weekly from 7 sample stations throughout the distribution system, and pH and alkalinity are recorded. For results, please refer to **Appendix III**.

### ***Flush Message***

In 2015 Vancouver Coastal Health Authority requested that the following message be communicated to residents:

*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 cold and 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 (Zubel,2014). If residents have any questions, they are encouraged to contact the Vancouver Coastal Health Authorities Drinking Water Officer at 604-892-2293.*

### **CROSS CONNECTION CONTROL**

To maintain safe drinking water and remain in compliance with the Vancouver Coastal Health Authority (VCH), the Village of Pemberton has begun a utility-wide Cross Connection Control / Backflow Prevention Program. A cross connection is any actual or potential connection between drinking water and a non-potable substance (contaminant). Backflow is the reverse flow from normal within a piping system. When a cross connection and backflow are combined, often the result is a contaminant entering our drinking water.

In 2018, the Cross Connection Control Bylaw was passed by council and an initial assessment and database was completed for Village infrastructure. In 2020, the program was expanded to incorporate Industrial, Commercial, and Institutional buildings in the Village that could pose a threat to the water system in the event of a backflow.



Box 100 | 7400 Prospect Street  
Pemberton, BC V0N 2L0  
P: 604.894.6135 | F: 604.894.6136  
Email: [admin@pemberton.ca](mailto:admin@pemberton.ca)  
Website: [www.pemberton.ca](http://www.pemberton.ca)

### **BACTERIOLOGICAL ANALYSIS:**

Water samples are collected and submitted weekly to the laboratory at Vancouver Coastal Health for Bacteriological analysis. These samples are taken directly from both active sources (Well #2 and #3), as well as the following locations:

- Oak St
- Village Office
- Health Centre
- Treatment Plant
- Pemberton Plateau
- Industrial Park (Mount Currie water source)
- Collins Rd
- Pemberton Meadows Rd.
- Pemberton Farm Rd (West)
- Urdal Rd.

All results for the 2020 period were negative for Escherichia coli.

The individual results are on file at Vancouver Coastal Health (Squamish) and the Village Office, and are posted regularly online at:

[www.healthspace.ca/Clients/VCHA/CoastGaribaldi/CoastGaribaldi\\_Website.nsf](http://www.healthspace.ca/Clients/VCHA/CoastGaribaldi/CoastGaribaldi_Website.nsf)

For Sample Range Reports, please refer to **Appendix IV**.



Box 100 | 7400 Prospect Street  
Pemberton, BC V0N 2L0  
P: 604.894.6135 | F: 604.894.6136  
Email: [admin@pemberton.ca](mailto:admin@pemberton.ca)  
Website: [www.pemberton.ca](http://www.pemberton.ca)

## APPENDIX I

### 2020 Daily Total Consumption and Chlorine Residual

2020 Daily Total Consumption and Chlorine  
Residual

Date	Daily Cubic metre	Daily Cl2 Residual (ppm)
<b>January</b>		
1	1,313	0.3
2	1,238	0.34
3	1,194	0.34
4	1,321	0.3
5	1,287	0.3
6	1,297	0.3
7	1,139	0.3
8	1,238	0.3
9	1,241	0.31
10	1,121	0.33
11	1,249	0.33
12	1,263	0.31
13	1,142	0.32
14	1,365	0.32
15	1,331	0.32
16	1,287	0.32
17	1,280	0.32
18	1,295	0.32
19	1,306	0.32
20	1,336	0.32
21	1,316	0.32
22	1,202	0.24
23	1,342	0.26
24	1,198	0.29
25	1,211	0.29
26	1,308	0.29
27	1,325	0.29
28	1,337	0.35
29	1,257	0.29
30	1,236	0.29
31	1,308	0.31
<b>Monthly Total</b>	39,284	
<b>February</b>		
1	1,319	0.31
2	1,291	0.31
3	1,292	0.37
4	1,270	0.37
5	1,193	0.34
6	1,220	0.32

7	1,287	0.35
8	1,280	0.35
9	1,284	0.35
10	1,310	0.37
11	1,312	0.37
12	1,271	0.37
13	1,517	0.35
14	1,201	0.3
15	1,254	0.29
16	1,299	0.29
17	1,308	0.29
18	1,301	0.29
19	1,319	0.29
20	1,118	0.29
21	1,272	0.28
22	1,328	0.28
23	1,164	0.28
24	1,230	0.31
25	1,253	0.32
26	1,124	0.33
27	1,132	0.3
28	1,074	0.29
29	1,237	0.29
<b>Monthly Total</b>	<b>36,457</b>	
<b>March</b>		
1	1,129	0.29
2	1,235	0.28
3	1,089	0.29
4	1,241	0.28
5	1,285	0.29
6	1,312	0.29
7	1,100	0.29
8	1,271	0.29
9	1,287	0.29
10	1,137	0.27
11	1,200	0.27
12	1,195	0.27
13	1,284	0.27
14	1,207	0.27
15	1,348	0.28
16	1,308	0.27
17	1,212	0.27
18	1,318	0.27
19	1,174	0.28
20	1,291	0.3
21	1,327	0.3
22	1,143	0.3

23	1,314	0.3
24	1,161	0.26
25	1,349	0.26
26	1,234	0.26
27	1,243	0.27
28	1,300	0.27
29	1,315	0.27
30	1,242	0.27
31	1,344	0.29
<b>Monthly Total</b>	<b>38,593</b>	
<b>April</b>		
1	1,330	0.28
2	1,155	0.25
3	1,297	0.26
4	1,307	0.26
5	1,131	0.26
6	1,301	0.26
7	1,141	0.28
8	1,381	0.28
9	1,339	0.3
10	1,272	0.3
11	1,351	0.3
12	1,417	0.3
13	1,398	0.3
14	1,430	0.34
15	1,420	0.34
16	1,249	0.34
17	1,357	0.34
18	1,787	0.34
19	1,506	0.34
20	1,647	0.34
21	1,756	0.31
22	1,621	0.31
23	1,560	0.31
24	1,554	0.31
25	2,117	0.28
26	1,840	0.28
27	1,846	0.3
28	1,561	0.32
29	1,685	0.3
30	1,580	0.29
<b>Monthly Total</b>	<b>44,335</b>	
<b>May</b>		
1	1,541	0.25
2	1,812	0.25
3	1,623	0.25
4	1,571	0.25



5	1,529	0.29
6	1,956	0.29
7	2,018	0.28
8	1,973	0.27
9	2,275	0.25
10	2,441	0.28
11	2,493	0.28
12	2,409	0.28
13	2,527	0.3
14	2,368	0.35
15	2,470	0.33
16	2,511	0.4
17	2,365	0.25
18	2,343	0.22
19	2,510	0.25
20	2,795	0.33
21	2,452	0.28
22	2,245	0.28
23	2,344	0.27
24	2,440	0.27
25	2,548	0.27
26	2,392	0.27
27	2,573	0.27
28	2,806	0.32
29	2,841	0.35
30	2,911	0.36
31	2,664	0.33
<b>Monthly Total</b>	<b>71,745</b>	
<b>June</b>		
1	2,254	0.44
2	2,431	0.36
3	2,376	0.36
4	2,352	0.39
5	2,440	0.3
6	2,163	0.31
7	2,962	0.34
8	2,898	0.34
9	2,483	0.34
10	2,452	0.34
11	2,472	0.35
12	2,364	0.35
13	2,127	0.35
14	2,288	0.5
15	2,388	0.5
16	2,328	0.32
17	2,574	0.27
18	3,096	0.34

19	2,990	0.36
20	3,220	0.37
21	2,573	0.35
22	2,879	0.3
23	2,720	0.37
24	2,944	0.37
25	2,323	0.35
26	2,646	0.3
27	2,836	0.32
28	2,650	0.32
29	2,518	0.32
30	2,700	0.31
<b>Monthly Total</b>	<b>77,450</b>	
<b>July</b>		
1	2,254	0.31
2	2,402	0.31
3	2,200	0.31
4	2,262	0.31
5	2,402	0.31
6	2,349	0.31
7	2,718	0.29
8	2,906	0.31
9	2,695	0.33
10	2,585	0.34
11	2,475	0.34
12	2,803	0.34
13	2,354	0.34
14	2,462	0.24
15	2,717	0.25
16	2,730	0.29
17	2,792	0.3
18	2,735	0.3
19	2,889	0.3
20	2,981	0.33
21	3,308	0.31
22	3,485	0.29
23	3,215	0.27
24	3,107	0.3
25	3,406	0.3
26	2,903	0.3
27	3,189	0.3
28	3,731	0.29
29	3,774	0.32
30	3,356	0.26
31	3,360	0.33
<b>Monthly Total</b>	<b>88,547</b>	
<b>August</b>		

1	3,127	0.33
2	3,318	0.33
3	3,467	0.33
4	3,473	0.36
5	3,181	0.34
6	3,441	0.34
7	2,659	0.36
8	2,585	0.36
9	3,015	0.31
10	2,769	0.33
11	3,464	0.33
12	3,068	0.32
13	3,045	0.34
14	3,350	0.37
15	3,332	0.28
16	3,688	0.36
17	3,622	0.39
18	3,012	0.32
19	3,290	0.35
20	3,241	0.34
21	2,813	0.29
22	2,660	0.29
23	2,402	0.29
24	2,422	0.34
25	2,598	0.29
26	2,514	0.34
27	2,899	0.34
28	2,780	0.31
29	2,906	0.31
30	2,728	0.31
31	2,586	0.31
<b>Monthly Total</b>	<b>93,457</b>	
<b>September</b>		
1	2,500	0.33
2	2,504	0.33
3	2,954	0.28
4	3,031	0.27
5	2,926	0.27
6	2,629	0.27
7	2,642	0.22
8	2,629	0.25
9	2,695	0.27
10	2,737	0.28
11	2,945	0.28
12	2,794	0.28
13	2,566	0.28
14	2,473	0.28

15	2,378	0.26
16	2,062	0.27
17	2,397	0.28
18	2,388	0.28
19	2,447	0.29
20	1,849	0.27
21	1,892	0.27
22	1,816	0.26
23	1,901	0.29
24	1,820	0.28
25	1,799	0.28
26	1,856	0.28
27	1,705	0.28
28	1,509	0.28
29	1,578	0.26
30	1,706	0.25
<b>Monthly Total</b>	69,129	
<b>October</b>		
1	1,565	0.23
2	1,653	0.24
3	1,614	0.25
4	1,612	0.25
5	1,628	0.25
6	1,479	0.25
7	1,475	0.25
8	1,462	0.25
9	1,470	0.25
10	1,452	0.25
11	1,444	0.25
12	1,299	0.25
13	1,460	0.25
14	1,488	0.25
15	1,285	0.22
16	1,604	0.2
17	1,429	0.22
18	1,338	0.23
19	1,386	0.23
20	1,368	0.26
21	1,364	0.28
22	1,390	0.28
23	1,619	0.26
24	1,419	0.26
25	1,388	0.26
26	1,288	0.26
27	1,284	0.22
28	1,408	0.25
29	1,174	0.25

30	1,280	0.25
31	1,290	0.25
<b>Monthly Total</b>	<b>44,413</b>	
<b>November</b>		
1	1,324	0.25
2	1,201	0.26
4	1,397	0.27
5	1,212	0.25
6	1,284	0.22
7	1,187	0.23
8	1,374	0.23
9	1,130	0.23
10	1,369	0.21
11	1,264	0.23
12	1,195	0.26
13	1,444	0.26
14	1,154	0.3
15	1,342	0.3
16	1,306	0.3
17	1,213	0.3
18	1,300	0.3
19	1,209	0.29
20	1,230	0.28
21	1,170	0.31
22	1,323	0.28
23	1,292	0.28
24	1,204	0.29
25	1,199	0.28
26	1,253	0.28
27	1,296	0.27
28	1,145	0.27
29	1,179	0.27
30	1,297	0.27
<b>Monthly Total</b>	<b>36,495</b>	
<b>December</b>		
1	1,291	0.27
2	1,191	0.27
3	1,214	0.26
4	1,144	0.26
5	1,200	0.26
6	1,224	0.26
7	1,244	0.26
8	1,319	0.24
9	1,244	0.25
10	1,200	0.25
11	1,204	0.24
12	1,342	0.25

13	1,119	0.25
14	1,317	0.25
15	1,069	0.23
16	1,535	0.21
17	1,038	0.19
18	1,063	0.18
19	1,163	0.19
20	1,170	0.19
21	1,048	0.19
22	1,429	0.19
23	1,187	0.18
24	1,071	0.18
25	1,174	0.18
26	1,074	0.18
27	1,074	0.18
28	1,111	0.14
29	1,203	0.19
30	1,172	0.19
31	1,163	0.14
<b>Monthly Total</b>	36,995	
<b>Total m3</b>	676,900	
<b>Daily Average</b>	1,855	0.29
<b>Max Day</b>	3,774	0.5
<b>Min Day</b>	1,038	0.14



Box 100 | 7400 Prospect Street  
Pemberton, BC V0N 2L0  
P: 604.894.6135 | F: 604.894.6136  
Email: [admin@pemberton.ca](mailto:admin@pemberton.ca)  
Website: [www.pemberton.ca](http://www.pemberton.ca)

## APPENDIX II

### 2020 Annual Chemical Analysis of Drinking Water



Your C.O.C. #: 604193-01-01

**Attention: Jeff Westlake**

VILLAGE OF PEMBERTON  
Box 100  
7400 Prospect St  
Pemberton, BC  
CANADA VON 2L0

Report Date: 2020/03/04

Report #: R2853584

Version: 1 - Final

**CERTIFICATE OF ANALYSIS**

**BV LABS JOB #: C013927**

**Received: 2020/02/27, 08:10**

Sample Matrix: Drinking Water  
# Samples Received: 4

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Alkalinity @25C (pp, total), CO3,HCO3,OH	4	N/A	2020/02/27	BBY6SOP-00026	SM 23 2320 B m
Chloride/Sulphate by Auto Colourimetry	4	N/A	2020/02/27	BBY6SOP-00011 / BBY6SOP-00017	SM23-4500-Cl/SO4-E m
Colour (True) by Kone Lab	4	N/A	2020/02/27	BBY6SOP-00057	SM 23 2120 C m
Conductivity @25C	4	N/A	2020/02/27	BBY6SOP-00026	SM 23 2510 B m
Fluoride	4	N/A	2020/03/02	BBY6SOP-00048	SM 23 4500-F C m
Hardness Total (calculated as CaCO3) (1)	4	N/A	2020/03/02	BBY WI-00033	Auto Calc
Mercury (Total) by CV	4	2020/02/27	2020/02/27	BBY7SOP-00015	BCMOE BCLM Oct2013 m
Na, K, Ca, Mg, S by CRC ICPMS (total)	4	N/A	2020/03/02	BBY WI-00033	Auto Calc
Elements by CRC ICPMS (total)	4	N/A	2020/02/29	BBY7SOP-00003 / BBY7SOP-00002	EPA 6020b R2 m
Nitrate + Nitrite (N)	4	N/A	2020/02/28	BBY6SOP-00010	SM 23 4500-NO3- I m
Nitrite (N) by CFA	4	N/A	2020/02/28	BBY6SOP-00010	SM 23 4500-NO3- I m
Nitrogen - Nitrate (as N)	4	N/A	2020/02/28	BBY WI-00033	Auto Calc
pH @25°C (2)	4	N/A	2020/02/27	BBY6SOP-00026	SM 23 4500-H+ B m
Total Dissolved Solids (Filt. Residue)	2	2020/03/02	2020/03/03	BBY6SOP-00033	SM 23 2540 C m
Total Dissolved Solids (Filt. Residue)	2	2020/03/03	2020/03/04	BBY6SOP-00033	SM 23 2540 C m
Total Trihalomethanes Calculation	3	N/A	2020/03/02	BBY WI-00033	Auto Calc
Total Trihalomethanes Calculation	1	N/A	2020/03/03	BBY WI-00033	Auto Calc
Turbidity	4	N/A	2020/02/27	BBY6SOP-00027	SM 23 2130 B m
VOCs, VH, F1, LH in Water by HS GC/MS	3	N/A	2020/02/28	BBY8SOP-00009 / BBY8SOP-00011 / BBY8SOP-00012	BCMOE BCLM Jul2017 m
VOCs, VH, F1, LH in Water by HS GC/MS	1	N/A	2020/03/02	BBY8SOP-00009 / BBY8SOP-00011 / BBY8SOP-00012	BCMOE BCLM Jul2017 m
Volatile HC-BTEX (3)	3	N/A	2020/03/02	BBY WI-00033	Auto Calc
Volatile HC-BTEX (3)	1	N/A	2020/03/03	BBY WI-00033	Auto Calc

**Remarks:**

Bureau Veritas Laboratories are accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by BV Labs are based upon recognized Provincial, Federal or US method compendia such as CCME, MELCC, EPA, APHA.





Your C.O.C. #: 604193-01-01

**Attention: Jeff Westlake**

VILLAGE OF PEMBERTON  
Box 100  
7400 Prospect St  
Pemberton, BC  
CANADA VON 2L0

**Report Date: 2020/03/04**  
Report #: R2853584  
Version: 1 - Final

**CERTIFICATE OF ANALYSIS**

**BV LABS JOB #: C013927**

**Received: 2020/02/27, 08:10**

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in BV Labs profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and BV Labs in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

BV Labs liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. BV Labs has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by BV Labs, unless otherwise agreed in writing. BV Labs is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.

Results relate to samples tested. When sampling is not conducted by BV Labs, results relate to the supplied samples tested.

This Certificate shall not be reproduced except in full, without the written approval of the laboratory.

Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.

\* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

(1) "Total Hardness" was calculated from Total Ca and Mg concentrations and may be biased high (Hardness, or Dissolved Hardness, calculated from Dissolved Ca and Mg, should be used for compliance if available).

(2) The CCME method requires pH to be analysed within 15 minutes of sampling and therefore field analysis is required for compliance. All Laboratory pH analyses in this report are reported past the CCME holding time. Bureau Veritas Laboratories endeavours to analyze samples as soon as possible after receipt.

(3) VPH = VH - (Benzene + Toluene + Ethylbenzene + m & p-Xylene + o-Xylene + Styrene)

Encryption Key



**AUTHORIZED REPORT  
RAPPORT AUTORISÉ**

Bureau Veritas Laboratories

04 Mar 2020 18:19:44

Please direct all questions regarding this Certificate of Analysis to your Project Manager.

Customer Solutions, Western Canada Customer Experience Team

Email: customersolutionswest@bvlabs.com

Phone# (604) 734 7276

-----  
This report has been generated and distributed using a secure automated process.

BV Labs has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation please refer to the Validation Signature Page.



BUREAU  
VERITAS

BV Labs Job #: C013927  
Report Date: 2020/03/04

VILLAGE OF PEMBERTON

**RESULTS OF CHEMICAL ANALYSES OF DRINKING WATER**

BV Labs ID					XL4618	XL4619		XL4620		
Sampling Date					2020/02/26 08:15	2020/02/26 08:00		2020/02/26 09:00		
COC Number					604193-01-01	604193-01-01		604193-01-01		
	UNITS	MAC	AO	OG	WELL #2	WELL #3	QC Batch	OAK ST	RDL	QC Batch
<b>ANIONS</b>										
Nitrite (N)	mg/L	1	-	-	<0.0050	<0.0050	9780821	<0.0050	0.0050	9780821
<b>Calculated Parameters</b>										
Total Hardness (CaCO3)	mg/L	-	-	-	68.4	27.7	9778419	28.5	0.50	9778419
Nitrate (N)	mg/L	10	-	-	0.450	0.251	9778974	0.265	0.020	9778974
<b>Misc. Inorganics</b>										
Conductivity	uS/cm	-	-	-	260	93	9779694	150	2.0	9779694
pH	pH	-	-	7.0:10.5	6.82	6.57	9779696	7.14	N/A	9779696
Total Dissolved Solids	mg/L	-	-	-	140	58	9784544	68	10	9782389
<b>Anions</b>										
Alkalinity (PP as CaCO3)	mg/L	-	-	-	<1.0	<1.0	9779635	<1.0	1.0	9779635
Alkalinity (Total as CaCO3)	mg/L	-	-	-	31	14	9779635	48	1.0	9779635
Bicarbonate (HCO3)	mg/L	-	-	-	38	17	9779635	58	1.0	9779635
Carbonate (CO3)	mg/L	-	-	-	<1.0	<1.0	9779635	<1.0	1.0	9779635
Dissolved Fluoride (F)	mg/L	1.5	-	-	<0.050	<0.050	9782382	<0.050	0.050	9782382
Hydroxide (OH)	mg/L	-	-	-	<1.0	<1.0	9779635	<1.0	1.0	9779635
Dissolved Chloride (Cl)	mg/L	-	250	-	39	9.3	9780011	10	1.0	9780011
Dissolved Sulphate (SO4)	mg/L	-	500	-	19	8.5	9780011	8.6	1.0	9780011
<b>MISCELLANEOUS</b>										
True Colour	Col. Unit	-	15	-	<5.0	<5.0	9780016	<5.0	5.0	9780016
<b>Nutrients</b>										
Nitrate plus Nitrite (N)	mg/L	-	-	-	0.450	0.251	9780817	0.265	0.020	9780817
<b>Physical Properties</b>										
Turbidity	NTU	see remark	see remark	see remark	1.3	0.41	9779811	<0.10	0.10	9779811
No Fill	No Exceedance									
Grey	Exceeds 1 criteria policy/level									
Black	Exceeds both criteria/levels									
RDL = Reportable Detection Limit										
N/A = Not Applicable										



**RESULTS OF CHEMICAL ANALYSES OF DRINKING WATER**

BV Labs ID					XL4621		
Sampling Date					2020/02/26 08:30		
COC Number					604193-01-01		
	UNITS	MAC	AO	OG	INDUSTRIAL PARK	RDL	QC Batch
<b>ANIONS</b>							
Nitrite (N)	mg/L	1	-	-	<0.0050	0.0050	9780821
<b>Calculated Parameters</b>							
Total Hardness (CaCO3)	mg/L	-	-	-	30.3	0.50	9778419
Nitrate (N)	mg/L	10	-	-	0.068	0.020	9778974
<b>Misc. Inorganics</b>							
Conductivity	uS/cm	-	-	-	76	2.0	9779694
pH	pH	-	-	7.0:10.5	<b>6.89</b>	N/A	9779696
Total Dissolved Solids	mg/L	-	-	-	34	10	9782389
<b>Anions</b>							
Alkalinity (PP as CaCO3)	mg/L	-	-	-	<1.0	1.0	9779635
Alkalinity (Total as CaCO3)	mg/L	-	-	-	22	1.0	9779635
Bicarbonate (HCO3)	mg/L	-	-	-	26	1.0	9779635
Carbonate (CO3)	mg/L	-	-	-	<1.0	1.0	9779635
Dissolved Fluoride (F)	mg/L	1.5	-	-	<0.050	0.050	9782382
Hydroxide (OH)	mg/L	-	-	-	<1.0	1.0	9779635
Dissolved Chloride (Cl)	mg/L	-	250	-	1.8	1.0	9780011
Dissolved Sulphate (SO4)	mg/L	-	500	-	8.8	1.0	9780011
<b>MISCELLANEOUS</b>							
True Colour	Col. Unit	-	15	-	<5.0	5.0	9780016
<b>Nutrients</b>							
Nitrate plus Nitrite (N)	mg/L	-	-	-	0.068	0.020	9780817
<b>Physical Properties</b>							
Turbidity	NTU	see remark	see remark	see remark	0.15	0.10	9779811
No Fill	No Exceedance						
Grey	Exceeds 1 criteria policy/level						
Black	Exceeds both criteria/levels						
RDL = Reportable Detection Limit							
N/A = Not Applicable							



BUREAU  
VERITAS

BV Labs Job #: C013927  
Report Date: 2020/03/04

VILLAGE OF PEMBERTON

**MERCURY BY COLD VAPOR (DRINKING WATER)**

<b>BV Labs ID</b>			XL4618	XL4619		XL4620	XL4621		
<b>Sampling Date</b>			2020/02/26 08:15	2020/02/26 08:00		2020/02/26 09:00	2020/02/26 08:30		
<b>COC Number</b>			604193-01-01	604193-01-01		604193-01-01	604193-01-01		
	<b>UNITS</b>	<b>MAC</b>	<b>WELL #2</b>	<b>WELL #3</b>	<b>QC Batch</b>	<b>OAK ST</b>	<b>INDUSTRIAL PARK</b>	<b>RDL</b>	<b>QC Batch</b>

<b>Elements</b>									
Total Mercury (Hg)	ug/L	1	<0.0019	<0.0019 (1)	9779621	<0.0019	<0.0019	0.0019	9779929

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit

(1) Matrix Spike exceeds acceptance limits - Probable matrix interference.



BUREAU  
VERITAS

BV Labs Job #: C013927  
Report Date: 2020/03/04

VILLAGE OF PEMBERTON

**ELEMENTS BY ATOMIC SPECTROSCOPY (DRINKING WATER)**

BV Labs ID					XL4618	XL4619	XL4620	XL4621		
Sampling Date					2020/02/26 08:15	2020/02/26 08:00	2020/02/26 09:00	2020/02/26 08:30		
COC Number					604193-01-01	604193-01-01	604193-01-01	604193-01-01		
	UNITS	MAC	AO	OG	WELL #2	WELL #3	OAK ST	INDUSTRIAL PARK	RDL	QC Batch
<b>Total Metals by ICPMS</b>										
Total Aluminum (Al)	ug/L	-	-	100	23.8	11.7	5.1	<3.0	3.0	9781144
Total Antimony (Sb)	ug/L	6	-	-	<0.50	<0.50	<0.50	<0.50	0.50	9781144
Total Arsenic (As)	ug/L	10	-	-	<0.10	<0.10	<0.10	0.11	0.10	9781144
Total Barium (Ba)	ug/L	1000	-	-	46.5	18.1	18.6	5.6	1.0	9781144
Total Boron (B)	ug/L	5000	-	-	112	<50	<50	<50	50	9781144
Total Cadmium (Cd)	ug/L	5	-	-	0.013	0.024	<0.010	<0.010	0.010	9781144
Total Chromium (Cr)	ug/L	50	-	-	<1.0	<1.0	<1.0	<1.0	1.0	9781144
Total Cobalt (Co)	ug/L	-	-	-	0.27	<0.20	<0.20	<0.20	0.20	9781144
Total Copper (Cu)	ug/L	2000	1000	-	3.85	13.8	3.88	2.11	0.20	9781144
Total Iron (Fe)	ug/L	-	300	-	229	10.2	5.5	7.2	5.0	9781144
Total Lead (Pb)	ug/L	5	-	-	0.57	1.51	0.41	<0.20	0.20	9781144
Total Manganese (Mn)	ug/L	120	20	-	<b>78.8</b>	<b>20.1</b>	6.5	<1.0	1.0	9781144
Total Molybdenum (Mo)	ug/L	-	-	-	2.0	<1.0	<1.0	<1.0	1.0	9781144
Total Nickel (Ni)	ug/L	-	-	-	<1.0	<1.0	<1.0	<1.0	1.0	9781144
Total Selenium (Se)	ug/L	50	-	-	<0.10	<0.10	<0.10	<0.10	0.10	9781144
Total Silver (Ag)	ug/L	-	-	-	<0.020	<0.020	<0.020	<0.020	0.020	9781144
Total Strontium (Sr)	ug/L	7000	-	-	146	51.8	53.1	28.9	1.0	9781144
Total Uranium (U)	ug/L	20	-	-	<0.10	<0.10	<0.10	<0.10	0.10	9781144
Total Vanadium (V)	ug/L	-	-	-	<5.0	<5.0	<5.0	<5.0	5.0	9781144
Total Zinc (Zn)	ug/L	-	5000	-	10.6	<5.0	<5.0	<5.0	5.0	9781144
Total Calcium (Ca)	mg/L	-	-	-	24.8	10.2	10.5	10.6	0.050	9778973
Total Magnesium (Mg)	mg/L	-	-	-	1.55	0.560	0.579	0.961	0.050	9778973
Total Potassium (K)	mg/L	-	-	-	2.46	0.964	0.994	0.511	0.050	9778973
Total Sodium (Na)	mg/L	-	200	-	15.0	4.15	19.7	1.50	0.050	9778973
Total Sulphur (S)	mg/L	-	-	-	6.1	<3.0	<3.0	<3.0	3.0	9778973
No Fill	No Exceedance									
Grey	Exceeds 1 criteria policy/level									
Black	Exceeds both criteria/levels									
RDL = Reportable Detection Limit										



BUREAU  
VERITAS

BV Labs Job #: C013927

Report Date: 2020/03/04

VILLAGE OF PEMBERTON

**VOLATILE ORGANICS BY GC-MS (DRINKING WATER)**

BV Labs ID			XL4618	XL4619	XL4620	XL4621		
Sampling Date			2020/02/26 08:15	2020/02/26 08:00	2020/02/26 09:00	2020/02/26 08:30		
COC Number			604193-01-01	604193-01-01	604193-01-01	604193-01-01		
	UNITS	MAC	WELL #2	WELL #3	OAK ST	INDUSTRIAL PARK	RDL	QC Batch
<b>Volatiles</b>								
Total Trihalomethanes	ug/L	100	<1.0	<1.0	2.5	1.1	1.0	9779030
No Fill	No Exceedance							
Grey	Exceeds 1 criteria policy/level							
Black	Exceeds both criteria/levels							
RDL = Reportable Detection Limit								



BUREAU  
VERITAS

BV Labs Job #: C013927  
Report Date: 2020/03/04

VILLAGE OF PEMBERTON

**CSR VOC + VPH IN WATER (DRINKING WATER)**

BV Labs ID				XL4618	XL4619	XL4620	XL4621		
Sampling Date				2020/02/26 08:15	2020/02/26 08:00	2020/02/26 09:00	2020/02/26 08:30		
COC Number				604193-01-01	604193-01-01	604193-01-01	604193-01-01		
	UNITS	MAC	AO	WELL #2	WELL #3	OAK ST	INDUSTRIAL PARK	RDL	QC Batch
<b>Calculated Parameters</b>									
VPH (VH6 to 10 - BTEX)	ug/L	-	-	<300	<300	<300	<300	300	9779033
<b>Volatiles</b>									
VH C6-C10	ug/L	-	-	<300	<300	<300	<300	300	9779076
1,1,1,2-tetrachloroethane	ug/L	-	-	<0.50	<0.50	<0.50	<0.50	0.50	9779076
1,1,1-trichloroethane	ug/L	-	-	<0.50	<0.50	<0.50	<0.50	0.50	9779076
1,1,2,2-tetrachloroethane	ug/L	-	-	<0.50	<0.50	<0.50	<0.50	0.50	9779076
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/L	-	-	<2.0	<2.0	<2.0	<2.0	2.0	9779076
1,1,2-trichloroethane	ug/L	-	-	<0.50	<0.50	<0.50	<0.50	0.50	9779076
1,1-dichloroethane	ug/L	-	-	<0.50	<0.50	<0.50	<0.50	0.50	9779076
1,1-dichloroethene	ug/L	14	-	<0.50	<0.50	<0.50	<0.50	0.50	9779076
1,2-dichlorobenzene	ug/L	200	3	<0.50	<0.50	<0.50	<0.50	0.50	9779076
1,2-dichloroethane	ug/L	5	-	<0.50	<0.50	<0.50	<0.50	0.50	9779076
1,2-dichloropropane	ug/L	-	-	<0.50	<0.50	<0.50	<0.50	0.50	9779076
1,3-Butadiene	ug/L	-	-	<0.50	<0.50	<0.50	<0.50	0.50	9779076
1,3-dichlorobenzene	ug/L	-	-	<0.50	<0.50	<0.50	<0.50	0.50	9779076
1,4-dichlorobenzene	ug/L	5	1	<0.50	<0.50	<0.50	<0.50	0.50	9779076
Benzene	ug/L	5	-	<0.40	<0.40	<0.40	<0.40	0.40	9779076
Bromobenzene	ug/L	-	-	<2.0	<2.0	<2.0	<2.0	2.0	9779076
Bromodichloromethane	ug/L	-	-	<1.0	<1.0	1.1	<1.0	1.0	9779076
Bromoform	ug/L	-	-	<1.0	<1.0	<1.0	<1.0	1.0	9779076
Bromomethane	ug/L	-	-	<1.0	<1.0	<1.0	<1.0	1.0	9779076
Carbon tetrachloride	ug/L	2	-	<0.50	<0.50	<0.50	<0.50	0.50	9779076
Chlorobenzene	ug/L	80	30	<0.50	<0.50	<0.50	<0.50	0.50	9779076
Chlorodibromomethane	ug/L	-	-	<1.0	<1.0	1.4	<1.0	1.0	9779076
Chloroethane	ug/L	-	-	<1.0	<1.0	<1.0	<1.0	1.0	9779076
Chloroform	ug/L	-	-	<1.0	<1.0	<1.0	1.1	1.0	9779076
Chloromethane	ug/L	-	-	<1.0	<1.0	<1.0	<1.0	1.0	9779076
cis-1,2-dichloroethene	ug/L	-	-	<1.0	<1.0	<1.0	<1.0	1.0	9779076
cis-1,3-dichloropropene	ug/L	-	-	<1.0	<1.0	<1.0	<1.0	1.0	9779076
Dibromomethane	ug/L	-	-	<0.90	<0.90	<0.90	<0.90	0.90	9779076
Dichlorodifluoromethane	ug/L	-	-	<2.0	<2.0	<2.0	<2.0	2.0	9779076
Dichloromethane	ug/L	50	-	<2.0	<2.0	<2.0	<2.0	2.0	9779076
Ethylbenzene	ug/L	140	1.6	<0.40	<0.40	<0.40	<0.40	0.40	9779076
Methyl-tert-butylether (MTBE)	ug/L	-	15	<4.0	<4.0	<4.0	<4.0	4.0	9779076
No Fill	No Exceedance								
Grey	Exceeds 1 criteria policy/level								
Black	Exceeds both criteria/levels								
RDL = Reportable Detection Limit									



BUREAU  
VERITAS

BV Labs Job #: C013927  
Report Date: 2020/03/04

VILLAGE OF PEMBERTON

**CSR VOC + VPH IN WATER (DRINKING WATER)**

BV Labs ID				XL4618	XL4619	XL4620	XL4621		
Sampling Date				2020/02/26 08:15	2020/02/26 08:00	2020/02/26 09:00	2020/02/26 08:30		
COC Number				604193-01-01	604193-01-01	604193-01-01	604193-01-01		
	UNITS	MAC	AO	WELL #2	WELL #3	OAK ST	INDUSTRIAL PARK	RDL	QC Batch
Styrene	ug/L	-	-	<0.50	<0.50	<0.50	<0.50	0.50	9779076
Tetrachloroethene	ug/L	10	-	<0.50	<0.50	<0.50	<0.50	0.50	9779076
Toluene	ug/L	60	24	<0.40	<0.40	<0.40	<0.40	0.40	9779076
trans-1,2-dichloroethene	ug/L	-	-	<1.0	<1.0	<1.0	<1.0	1.0	9779076
trans-1,3-dichloropropene	ug/L	-	-	<1.0	<1.0	<1.0	<1.0	1.0	9779076
Trichloroethene	ug/L	5	-	<0.50	<0.50	<0.50	<0.50	0.50	9779076
Trichlorofluoromethane	ug/L	-	-	<4.0	<4.0	<4.0	<4.0	4.0	9779076
Vinyl chloride	ug/L	2	-	<0.50	<0.50	<0.50	<0.50	0.50	9779076
m & p-Xylene	ug/L	-	-	<0.40	<0.40	<0.40	<0.40	0.40	9779076
o-Xylene	ug/L	-	-	<0.40	<0.40	<0.40	<0.40	0.40	9779076
Xylenes (Total)	ug/L	90	20	<0.40	<0.40	<0.40	<0.40	0.40	9779076
<b>Surrogate Recovery (%)</b>									
1,4-Difluorobenzene (sur.)	%	-	-	101	99	99	102		9779076
4-Bromofluorobenzene (sur.)	%	-	-	88	85	87	92		9779076
D4-1,2-Dichloroethane (sur.)	%	-	-	88	87	87	90		9779076
No Fill	No Exceedance								
Grey	Exceeds 1 criteria policy/level								
Black	Exceeds both criteria/levels								
RDL = Reportable Detection Limit									





### GENERAL COMMENTS

MAC,AO,OG: The guidelines that have been included in this report have been taken from the Canadian Drinking Water Quality Summary Table, June 2019.

Criteria A = Maximum Acceptable Concentration (MAC) / Criteria B = Aesthetic Objectives (AO) / Criteria C = Operational Guidance Values (OG)  
It is recommended to consult these guidelines when interpreting your data since there are non-numerical guidelines that are not included on this report.

**Turbidity Guidelines:**

1. Chemically assisted filtration: less than or equal to 0.3 NTU in 95% of the measurements or 95% of the time each month. Shall not exceed 1.0 NTU at any time.
2. Slow sand / diatomaceous earth filtration: less than or equal to 1.0 NTU in 95% of the measurements or 95% of the time each month. Shall not exceed 3.0 NTU at any time.
3. Membrane filtration: less than or equal to 0.1 NTU in 99% of the measurements made or at least 99% of the time each calendar month. Shall not exceed 0.3 NTU at any time.
4. To ensure effectiveness of disinfection and for good operation of the distribution system, it is recommended that water entering the distribution system have turbidity levels of 1.0 NTU or less.

Measurement of Uncertainty has not been accounted for when stating conformity to the selected criteria, where applicable.

**Results relate only to the items tested.**



BUREAU VERITAS

BV Labs Job #: C013927

Report Date: 2020/03/04

### QUALITY ASSURANCE REPORT

VILLAGE OF PEMBERTON

Village of Pemberton Water System

QC Batch	Parameter	Date	Matrix Spike		Spiked Blank		Method Blank		RPD	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9779076	1,4-Difluorobenzene (sur.)	2020/02/28	98	50 - 140	99	50 - 140	99	%		
9779076	4-Bromofluorobenzene (sur.)	2020/02/28	101	50 - 140	100	50 - 140	84	%		
9779076	D4-1,2-Dichloroethane (sur.)	2020/02/28	101	50 - 140	95	50 - 140	85	%		
9779076	1,1,1,2-tetrachloroethane	2020/02/28	86	50 - 140	84	60 - 130	<0.50	ug/L		
9779076	1,1,1-trichloroethane	2020/02/28	86	50 - 140	88	60 - 130	<0.50	ug/L		
9779076	1,1,2,2-tetrachloroethane	2020/02/28	92	50 - 140	87	60 - 130	<0.50	ug/L		
9779076	1,1,2Trichloro-1,2,2Trifluoroethane	2020/02/28	85	50 - 140	86	60 - 130	<2.0	ug/L		
9779076	1,1,2-trichloroethane	2020/02/28	92	50 - 140	88	60 - 130	<0.50	ug/L		
9779076	1,1-dichloroethane	2020/02/28	89	50 - 140	88	60 - 130	<0.50	ug/L		
9779076	1,1-dichloroethane	2020/02/28	87	50 - 140	87	60 - 130	<0.50	ug/L		
9779076	1,2-dichlorobenzene	2020/02/28	98	50 - 140	97	60 - 130	<0.50	ug/L		
9779076	1,2-dichloroethane	2020/02/28	84	50 - 140	85	60 - 130	<0.50	ug/L		
9779076	1,2-dichloropropane	2020/02/28	88	50 - 140	85	60 - 130	<0.50	ug/L		
9779076	1,3-Butadiene	2020/02/28	103	50 - 140	99	50 - 140	<0.50	ug/L		
9779076	1,3-dichlorobenzene	2020/02/28	97	50 - 140	97	60 - 130	<0.50	ug/L		
9779076	1,4-dichlorobenzene	2020/02/28	93	50 - 140	93	60 - 130	<0.50	ug/L		
9779076	Benzene	2020/02/28	90	50 - 140	89	60 - 130	<0.40	ug/L		
9779076	Bromobenzene	2020/02/28	94	50 - 140	96	60 - 130	<2.0	ug/L		
9779076	Bromodichloromethane	2020/02/28	88	50 - 140	87	60 - 130	<1.0	ug/L	0.75	30
9779076	Bromoform	2020/02/28	93	50 - 140	94	60 - 130	<1.0	ug/L	NC	30
9779076	Bromomethane	2020/02/28	84	50 - 140	96	50 - 140	<1.0	ug/L		
9779076	Carbon tetrachloride	2020/02/28	87	50 - 140	89	60 - 130	<0.50	ug/L		
9779076	Chlorobenzene	2020/02/28	85	50 - 140	83	60 - 130	<0.50	ug/L		
9779076	Chlorodibromomethane	2020/02/28	94	50 - 140	91	60 - 130	<1.0	ug/L	3.4	30
9779076	Chloroethane	2020/02/28	79	50 - 140	89	50 - 140	<1.0	ug/L		
9779076	Chloroform	2020/02/28	89	50 - 140	88	60 - 130	<1.0	ug/L	1.6	30
9779076	Chloromethane	2020/02/28	87	50 - 140	82	50 - 140	<1.0	ug/L		
9779076	cis-1,2-dichloroethene	2020/02/28	88	50 - 140	87	60 - 130	<1.0	ug/L		
9779076	cis-1,3-dichloropropene	2020/02/28	96	50 - 140	96	50 - 140	<1.0	ug/L		
9779076	Dibromomethane	2020/02/28	89	50 - 140	88	60 - 130	<0.90	ug/L		
9779076	Dichlorodifluoromethane	2020/02/28	80	50 - 140	68	50 - 140	<2.0	ug/L		
9779076	Dichloromethane	2020/02/28	86	50 - 140	85	60 - 130	<2.0	ug/L		
9779076	Ethylbenzene	2020/02/28	91	50 - 140	89	60 - 130	<0.40	ug/L		
9779076	m & p-Xylene	2020/02/28	96	50 - 140	94	60 - 130	<0.40	ug/L		



BUREAU VERITAS  
 BV Labs Job #: C013927  
 Report Date: 2020/03/04

VILLAGE OF PEMBERTON

QUALITY ASSURANCE REPORT(CONT'D)

Village of Pemberton Water System

Annual Report 2020

QC Batch	Parameter	Date	Matrix Spike		Spiked Blank		Method Blank		RPD	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
97779076	Methyl-tert-butylether (MTBE)	2020/02/28	89	50 - 140	84	60 - 130	<4.0	ug/L		
97779076	o-Xylene	2020/02/28	93	50 - 140	90	60 - 130	<0.40	ug/L		
97779076	Styrene	2020/02/28	97	50 - 140	95	60 - 130	<0.50	ug/L		
97779076	Tetrachloroethene	2020/02/28	85	50 - 140	87	60 - 130	<0.50	ug/L		
97779076	Toluene	2020/02/28	88	50 - 140	87	60 - 130	<0.40	ug/L		
97779076	trans-1,2-dichloroethene	2020/02/28	88	50 - 140	88	60 - 130	<1.0	ug/L		
97779076	trans-1,3-dichloropropene	2020/02/28	77	50 - 140	97	50 - 140	<1.0	ug/L		
97779076	Trichloroethene	2020/02/28	84	50 - 140	84	60 - 130	<0.50	ug/L		
97779076	Trichlorofluoromethane	2020/02/28	87	50 - 140	92	60 - 130	<4.0	ug/L		
97779076	VH C6-C10	2020/02/28			99	70 - 130	<300	ug/L		
97779076	Vinyl chloride	2020/02/28	78	50 - 140	76	50 - 140	<0.50	ug/L		
97779076	Xylenes (Total)	2020/02/28					<0.40	ug/L		
97779621	Total Mercury (Hg)	2020/02/27	77 (1)	80 - 120	106	80 - 120	<0.0019	ug/L	NC	20
97779635	Alkalinity (PP as CaCO3)	2020/02/27					<1.0	mg/L	NC	20
97779635	Alkalinity (Total as CaCO3)	2020/02/27	102	80 - 120	93	80 - 120	<1.0	mg/L	1.1	20
97779635	Bicarbonate (HCO3)	2020/02/27					<1.0	mg/L	1.1	20
97779635	Carbonate (CO3)	2020/02/27					<1.0	mg/L	NC	20
97779635	Hydroxide (OH)	2020/02/27					<1.0	mg/L	NC	20
97779694	Conductivity	2020/02/27			101	80 - 120	<2.0	uS/cm	0.39	10
97779696	pH	2020/02/27			101	97 - 103			0.15	N/A
97779811	Turbidity	2020/02/27			102	80 - 120	<0.10	NTU	0.25	20
97779929	Total Mercury (Hg)	2020/02/27	86	80 - 120	86	80 - 120	<0.0019	ug/L	NC	20
97800011	Dissolved Chloride (Cl)	2020/02/27	93	80 - 120	99	80 - 120	<1.0	mg/L	0.63	20
97800011	Dissolved Sulphate (SO4)	2020/02/27	100	80 - 120	98	80 - 120	<1.0	mg/L	3.2	20
97800016	True Colour	2020/02/27			103	80 - 120	<5.0	Col. Unit	NC	20
97800817	Nitrate plus Nitrite (N)	2020/02/28	113	80 - 120	111	80 - 120	<0.020	mg/L	0.56	25
97800821	Nitrite (N)	2020/02/28	99	80 - 120	102	80 - 120	<0.0050	mg/L	NC	20
9781144	Total Aluminium (Al)	2020/02/29	105	80 - 120	107	80 - 120	<3.0	ug/L	9.2	20
9781144	Total Antimony (Sb)	2020/02/29	105	80 - 120	107	80 - 120	<0.50	ug/L	NC	20
9781144	Total Arsenic (As)	2020/02/29	103	80 - 120	106	80 - 120	<0.10	ug/L	NC	20
9781144	Total Barium (Ba)	2020/02/29	NC	80 - 120	107	80 - 120	<1.0	ug/L	0.020	20
9781144	Total Boron (B)	2020/02/29	NC	80 - 120	108	80 - 120	<50	ug/L	0.36	20
9781144	Total Cadmium (Cd)	2020/02/29	102	80 - 120	107	80 - 120	<0.010	ug/L	NC	20
9781144	Total Chromium (Cr)	2020/02/29	102	80 - 120	107	80 - 120	<1.0	ug/L	NC	20



BUREAU VERITAS

BV Labs Job #: C013927  
Report Date: 2020/03/04

Village of Pemberton Water System

### QUALITY ASSURANCE REPORT(CONT'D)

VILLAGE OF PEMBERTON

QC Batch	Parameter	Date	Matrix Spike		Spiked Blank		Method Blank		RPD	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9781144	Total Cobalt (Co)	2020/02/29	98	80 - 120	105	80 - 120	<0.20	ug/L	NC	20
9781144	Total Copper (Cu)	2020/02/29	94	80 - 120	105	80 - 120	<0.20	ug/L	0.42	20
9781144	Total Iron (Fe)	2020/02/29	105	80 - 120	112	80 - 120	<5.0	ug/L	0.36	20
9781144	Total Lead (Pb)	2020/02/29	105	80 - 120	107	80 - 120	<0.20	ug/L	0.28	20
9781144	Total Manganese (Mn)	2020/02/29	97	80 - 120	103	80 - 120	<1.0	ug/L	2.3	20
9781144	Total Molybdenum (Mo)	2020/02/29	115	80 - 120	112	80 - 120	<1.0	ug/L	NC	20
9781144	Total Nickel (Ni)	2020/02/29	97	80 - 120	105	80 - 120	<1.0	ug/L	NC	20
9781144	Total Selenium (Se)	2020/02/29	101	80 - 120	105	80 - 120	<0.10	ug/L	NC	20
9781144	Total Silver (Ag)	2020/02/29	99	80 - 120	104	80 - 120	<0.020	ug/L	NC	20
9781144	Total Strontium (Sr)	2020/02/29	NC	80 - 120	99	80 - 120	<1.0	ug/L	0.38	20
9781144	Total Uranium (U)	2020/02/29	109	80 - 120	112	80 - 120	<0.10	ug/L	NC	20
9781144	Total Vanadium (V)	2020/02/29	106	80 - 120	108	80 - 120	<5.0	ug/L	NC	20
9781144	Total Zinc (Zn)	2020/02/29	97	80 - 120	107	80 - 120	<5.0	ug/L	NC	20
9782382	Dissolved Fluoride (F)	2020/03/02	111	80 - 120	100	80 - 120	<0.050	mg/L	NC	20
9782389	Total Dissolved Solids	2020/03/03	100	80 - 120	98	80 - 120	<10	mg/L	2.9	20
9784544	Total Dissolved Solids	2020/03/04	103	80 - 120	95	80 - 120	<10	mg/L	0	20

N/A = Not Applicable

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Surrogate: A pure or isotopically labeled compound whose behavior mirrors the analytes of interest. Used to evaluate extraction efficiency.

NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spike amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than the native sample concentration)

NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference <= 2x RDL).

(1) Recovery or RPD for this parameter is outside control limits. The overall quality control for this analysis meets acceptability criteria.





Bureau Veritas Laboratories  
4000 Canada Way, Burnaby, British Columbia Canada V5G 1K5 Tel: (604) 734-7276 Toll-free 800-563-6266 Fax: (604) 731-2366 www.bv-labs.com

INVOICE TO:

Company Name: #95020 VILLAGE OF PEMBERTON  
 Contact Name: Accounts Payable  
 Address: Box 100 7400 Prospect St  
 Pemberton BC V0N 2L0  
 Phone: (604) 894-6811  
 Email: accounts payable@pemberton.ca

Company Name: Jeff Westlake  
 Contact Name: Jeff Westlake  
 Address: [Redacted]  
 Phone: (604) 894-6125  
 Email: jwestlake@pemberton.ca

Project Information  
 Quotation #: B71255  
 P.O. #: [Redacted]  
 Project #: [Redacted]  
 Project Name: [Redacted]  
 Site #: [Redacted]  
 Sampled By: [Redacted]



C013927\_COC

Chain of Custody Record  
 Customer Solutions

Regulatory Criteria:

- CSR
- COME
- BC Water Quality
- Other

Special Instructions

PLEASE PLOT WITH AODMAC IDENTIFIED

ANALYSIS REQUESTED (PLEASE BE SPECIFIC)

Metals Field Filtered ? (Y/N)	Drinking Water Package - without Microbiologicals	Trihalomethanes (THM) in Water	CSR VOC + VPH in Water
	✓	✓	✓
	✓	✓	✓
	✓	✓	✓
	✓	✓	✓

Turnaround Time (TAT) Required:

Regular (Standard) TAT: [ ]  
 (will be applied if Rush TAT is not specified)  
 Standard TAT = 5-7 Working days for most tests  
 Please note - Standard TAT for certain tests such as BOD and Doussins/Furness are > 5 days - contact your Project Manager for details.

Job Specific Rush TAT (if applies to entire submission)  
 1 Day  2 Day  3 Day  Date Requires   
 Rush Confirmation Number: \_\_\_\_\_

# of Bottles \_\_\_\_\_ (call lab for #)  
 Comments \_\_\_\_\_

SAMPLES MUST BE KEPT COOL (< 10°C) FROM TIME OF SAMPLING UNTIL DELIVERY TO BV LABS

Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix
1	WELL # 2	20/02/17	08:15	
2	WELL # 3	1	0600	
3	OAK ST	1	0900	
4	INDUSTRIAL PARK	1	0830	
5				
6				
7				
8				
9				
10				

RELINQUISHED BY: (Signature/Print) RECEIVED BY: (Signature/Print)

Date: (YY/MM/DD) 20/02/17 Time: 10:00

Date: (YY/MM/DD) 20/02/17 Time: 08:10

Temperature (°C) on Receipt: 0/11/0

Unless otherwise agreed to in writing, work submitted on this chain of custody is subject to BV Labs' standard terms and conditions. Signing of this chain of custody document is acknowledgment and acceptance of our terms which are available for viewing at www.bv-labs.com/terms-and-conditions.

IT IS THE RESPONSIBILITY OF THE RELINQUISHER TO ENSURE THE ACCURACY OF THE CHAIN OF CUSTODY RECORD. AN INCOMPLETE CHAIN OF CUSTODY MAY RESULT IN ANALYTICAL TAT DELAYS.

Bureau Veritas Canada (2018) Inc.



Box 100 | 7400 Prospect Street  
Pemberton, BC V0N 2L0  
P: 604.894.6135 | F: 604.894.6136  
Email: [admin@pemberton.ca](mailto:admin@pemberton.ca)  
Website: [www.pemberton.ca](http://www.pemberton.ca)

## APPENDIX III

### 2020 Weekly Water Quality Sampling Results

## 2020 Village of Pemberton Water Sampling Program

Location	Date	Cl2	PH	Temp C	Alkalinity	Notes
WWTP	1/6/2020	0.08	7.03	10.3	63	
Health Centre	1/6/2020	0.27	6.98	10.1	64	
Village Office	1/6/2020	0.26	6.95	9.2	65	
Plateau/Ridge	1/6/2020	0.1	6.95	8.5	62	
Oak St	1/6/2020	0.28	6.85	8.8	65	
Pemberton North						
Collins Rd	1/6/2020	0.29	6.9	7.7	58	
Meadows Rd	1/6/2020	0.24	6.8	6.8	62	
Farm Rd	1/6/2020	0.26	6.8	6.9	63	
Urdal Rd	1/6/2020		6.9			frozen
<b>Distrib total</b>		<b>0.22</b>	<b>6.9</b>	<b>8.5</b>	<b>63</b>	
Industrial Park	1/6/2020	0	6.86	7.8	22	
Location	Date	Cl2	PH	Temp C	Alkalinity	Notes
WWTP	1/13/2020	0.14	6.69	8	0	
Health Centre	1/13/2020	0.28	6.62	8	0	
Village Office	1/13/2020	0.31	6.61	9.2	0	
Plateau/Ridge	1/13/2020	0.18	6.68	9.5	0	
Oak St	1/13/2020	0.31	6.64	8.2	0	
Pemberton North						
Collins Rd	1/13/2020					frozen
Meadows Rd	1/13/2020					frozen
Farm Rd	1/13/2020					frozen
Urdal Rd	1/13/2020					frozen
<b>Distrib total</b>		<b>0.24</b>	<b>6.6</b>	<b>8.6</b>	<b>0</b>	
Industrial Park	1/13/2020	0	6.71	7.8	21	
Location	Date	Cl2	PH	Temp C	Alkalinity	Notes
WWTP	1/21/2020	0.05	6.93	13.4		
Health Centre	1/21/2020	0.21	6.9	13.6	43	
Village Office	1/21/2020	0.21	6.92	13.6	47	
Plateau/Ridge	1/21/2020	0.12	6.9	14.5	47	
Oak St	1/21/2020	0.26	6.92	13.8	48	
Pemberton North						
Collins Rd	1/21/2020					frozen
Meadows Rd	1/21/2020					frozen
Farm Rd	1/21/2020					frozen
Urdal Rd	1/21/2020					frozen
<b>Distrib total</b>		<b>0.17</b>	<b>6.9</b>	<b>13.8</b>	<b>46</b>	
Industrial Park	1/21/2020	0	6.96	14	27	
Location	Date	Cl2	PH	Temp C	Alkalinity	Notes
WWTP	1/28/2020	0.2	7.1	7.7	44	
Health Centre	1/28/2020	0.29	7.2	8	54	

Village Office	1/28/2020	0.31	7.2	6.2	57	
Plateau/Ridge	1/28/2020	0.2	7.1	4.8	55	
Oak St	1/28/2020	0.33	7.0	5.3	52	
Pemberton North						
Collins Rd	1/28/2020					frozen
Meadows Rd	1/28/2020					frozen
Farm Rd	1/28/2020	0.28	7.0	5.8	52	
Urdal Rd	1/28/2020					frozen
<b>Distrib total</b>		<b>0.27</b>	<b>7.1</b>	<b>6.3</b>	<b>52</b>	
Industrial Park	1/28/2020	0.17			23	
<b>Location</b>	<b>Date</b>	<b>Cl2</b>	<b>PH</b>	<b>Temp C</b>	<b>Alkalinity</b>	<b>Notes</b>
WWTP	2/4/2020	0.1	7.2	6.3	49	
Health Centre	2/4/2020	0.3	7.1	6.8	45	
Village Office	2/4/2020	0.36	7.2	5.5	51	
Plateau/Ridge	2/4/2020	0.1	7.1	5.8	49	
Oak St	2/4/2020	0.31	7.1	4.3	38	
Pemberton North						
Collins Rd	2/4/2020					frozen
Meadows Rd	2/4/2020					frozen
Farm Rd	2/4/2020					frozen
Urdal Rd	2/4/2020					frozen
<b>Distrib total</b>		<b>0.23</b>	<b>7.1</b>	<b>5.7</b>	<b>46</b>	
Industrial Park	2/4/2020	0.25	7.2	3.8	21	
<b>Location</b>	<b>Date</b>	<b>Cl2</b>	<b>PH</b>	<b>Temp C</b>	<b>Alkalinity</b>	<b>Notes</b>
WWTP	2/11/2020	0.07	7.0	9.3	44	
Health Centre	2/11/2020	0.22	7.1	7.4	41	
Village Office	2/11/2020	0.24	7.2	4.8	43	
Plateau/Ridge	2/11/2020	0.16	7.1	8	44	
Oak St	2/11/2020	0.33	7.1	6.5	47	
Pemberton North						
Collins Rd	2/11/2020					frozen
Meadows Rd	2/11/2020					frozen
Farm Rd	2/11/2020					frozen
Urdal Rd	2/11/2020					frozen
<b>Distrib total</b>		<b>0.20</b>	<b>7.1</b>	<b>7.2</b>	<b>43.8</b>	
Industrial Park	2/11/2020	0.11	7.1	7.1	18	
<b>Location</b>	<b>Date</b>	<b>Cl2</b>	<b>PH</b>	<b>Temp C</b>	<b>Alkalinity</b>	<b>Notes</b>
WWTP	2/18/2020	0.08	7.1	6.4	58	
Health Centre	2/18/2020	0.25	7.1	7.3	47	
Village Office	2/18/2020	0.25	7.0	7.7	55	
Plateau/Ridge	2/18/2020	0.26	7.1	6.6	57	
Oak St	2/18/2020	0.28	7.1	6.3	47	
Pemberton North						



Collins Rd	2/18/2020					frozen
Meadows Rd	2/18/2020					frozen
Farm Rd	2/18/2020					frozen
Urdal Rd	2/18/2020					frozen
<b>Distrib total</b>		<b>0.22</b>	<b>7.1</b>	<b>6.9</b>	<b>53</b>	
Industrial Park	2/18/2020	0.15	7.2	5.2	17	
<b>Location</b>	<b>Date</b>	<b>Cl2</b>	<b>PH</b>	<b>Temp C</b>	<b>Alkalinity</b>	<b>Notes</b>
WWTP	2/24/2020	0.27	7.1	8.5	46	
Health Centre	2/24/2020	0.3	7.1	7.5	47	
Village Office	2/24/2020	0.25	7.1	6.7	48	
Plateau/Ridge	2/24/2020	0.18	7.1	7.7	49	
Oak St	2/24/2020	0.36	7.1	7.7	44	
Pemberton North						
Collins Rd	2/24/2020	0.36	7.1	6.9	50	
Meadows Rd	2/24/2020					frozen
Farm Rd	2/24/2020	0.3	7.1	7	46	
Urdal Rd	2/24/2020					frozen
<b>Distrib total</b>		<b>0.29</b>	<b>7.1</b>	<b>7.4</b>	<b>47</b>	
Industrial Park	2/24/2020	0.15	7.2	8.1	13	
<b>Location</b>	<b>Date</b>	<b>Cl2</b>	<b>PH</b>	<b>Temp C</b>	<b>Alkalinity</b>	<b>Notes</b>
WWTP	3/2/2020	0.05	7.3	8.6	61	
Health Centre	3/2/2020	0.33	7.1	10.7	63	
Village Office	3/2/2020	0.23	7.1	6.9	48	
Plateau/Ridge	3/2/2020	0.23	7.1	6.7	47	
Oak St	3/2/2020	0.34	7.1	7.4	50	
Pemberton North						
Collins Rd	3/2/2020	0.26	7.1	7	48	
Meadows Rd	3/2/2020	0.25	7.0	6.8	47	
Farm Rd	3/2/2020	0.25	7.1	7	52	
Urdal Rd	3/2/2020					frozen
<b>Distrib total</b>		<b>0.24</b>	<b>7.1</b>	<b>7.64</b>	<b>52</b>	
Industrial Park	3/2/2020	0.1	7.2	7.8	0.24	
<b>Location</b>	<b>Date</b>	<b>Cl2</b>	<b>PH</b>	<b>Temp C</b>	<b>Alkalinity</b>	<b>Notes</b>
WWTP	3/9/2020	0.21	7.1	6.9	52	
Health Centre	3/9/2020	0.26	7.0	7.5	48	
Village Office	3/9/2020	0.28	7.0	6.4	51	
Plateau/Ridge	3/9/2020	0.13	7.0	7.1	54	
Oak St	3/9/2020	0.28	7.0	6.9	50	
Pemberton North						
Collins Rd	3/9/2020	0.32	7.0	5.7	50	
Meadows Rd	3/9/2020					frozen
Farm Rd	3/9/2020					frozen
Urdal Rd	3/9/2020					frozen

<b>Distrib total</b>		0.25	7.0	6.75	51	
Industrial Park	3/9/2020	0.1	7.1	6.3	19	
<b>Location</b>	<b>Date</b>	<b>Cl2</b>	<b>PH</b>	<b>Temp C</b>	<b>Alkalinity</b>	<b>Notes</b>
WWTP	3/24/2020	0.05	7.0	10.7	52	
Health Centre	3/24/2020	0.32	7.0	10.8	49	
Village Office	3/24/2020	0.21	7.0	10.8	49	
Plateau/Ridge	3/24/2020	0.2	7.0	9.4	56	
Oak St	3/24/2020	0.25	7.0	7.2	60	
Pemberton North						
Collins Rd	3/24/2020	0.25	7.0	6.8	55	
Meadows Rd	3/24/2020	0.25	7.0	6.8	55	
Farm Rd	3/24/2020	0.3	7.0	9.2	49	
Urdal Rd	3/24/2020					frozen
<b>Distrib total</b>		0.23	7.0	8.96	53	
Industrial Park	3/24/2020	0.08	7.1	9.3	21	
<b>Location</b>	<b>Date</b>	<b>Cl2</b>	<b>PH</b>	<b>Temp C</b>	<b>Alkalinity</b>	<b>Notes</b>
WWTP	3/30/2020	0.25	7.0	6.7	56	
Health Centre	3/30/2020	0.38	7.0	9	56	
Village Office	3/30/2020	0.38	7.0	7.7	55	
Plateau/Ridge	3/30/2020	0.28	7.0	6.7	55	
Oak St	3/30/2020	0.4	7.0	6.9	52	
Pemberton North						
Collins Rd	3/30/2020	0.43	7.0	8	57	
Meadows Rd	3/30/2020	0.38	7.0	6.8	52	
Farm Rd	3/30/2020	0.35	7.0	6.8	55	
Urdal Rd	3/30/2020					
<b>Distrib total</b>		0.36	7.0	7.33	55	
Industrial Park	3/30/2020	0	7.0	5.9	23	
<b>Location</b>	<b>Date</b>	<b>Cl2</b>	<b>PH</b>	<b>Temp C</b>	<b>Alkalinity</b>	<b>Notes</b>
WWTP	4/7/2020	0	7.0	9.8	52	
Health Centre	4/7/2020	0.29	7.2	13.1	51	
Village Office	4/7/2020	0.25	7.1	9.7	56	
Plateau/Ridge	4/7/2020	0.14	7.0	9.8	50	
Oak St	4/7/2020	0.31	7.1	9.6	52	
Pemberton North						
Collins Rd	4/7/2020	0.3	7.0	9.2	50	
Meadows Rd	4/7/2020	0.32	7.1	7.6	51	
Farm Rd	4/7/2020	0.3	7.1	8.2	52	
Urdal Rd	4/7/2020					flooded
<b>Distrib total</b>		0.24	7.1	9.6	52	
Industrial Park	4/7/2020	0.1	7.1	9.7	27	
<b>Location</b>	<b>Date</b>	<b>Cl2</b>	<b>PH</b>	<b>Temp C</b>	<b>Alkalinity</b>	<b>Notes</b>
WWTP	4/14/2020					

Health Centre	4/14/2020	0.28	7.0	9.4	40	
Village Office	4/14/2020	0.28	6.9	10.2	54	
Plateau/Ridge	4/14/2020	0.14	7.0	13	51	
Oak St	4/14/2020	0.27	7.0	10.2	54	
Pemberton North						
Collins Rd	4/14/2020	0.29	7.0	12.2	52	
Meadows Rd	4/14/2020	0.31	7.0	10	47	
Farm Rd	4/14/2020	0.3	7.0	11.8	50	
Urdal Rd	4/14/2020					flooded
<b>Distrib total</b>		<b>0.27</b>	<b>7.0</b>	<b>11.0</b>	<b>50</b>	
Industrial Park	4/14/2020	0.22	7.0	10.1	24	
<b>Location</b>	<b>Date</b>	<b>Cl2</b>	<b>PH</b>	<b>Temp C</b>	<b>Alkalinity</b>	<b>Notes</b>
WWTP	4/21/2020	0.15	7.0	7.9	56	
Health Centre	4/21/2020	0.27	7.0	12.4	41	
Village Office	4/21/2020	0.29	7.0	10.2	57	
Plateau/Ridge	4/21/2020	0.2	7.0	10.3	50	
Oak St	4/21/2020	0.34	7.0	8.9	55	
Pemberton North						
Collins Rd	4/21/2020	0.24	7.0	9.1	52	
Meadows Rd	4/21/2020	0.34	7.0	7.5	56	
Farm Rd	4/21/2020	0.31	6.9	9.5	55	
Urdal Rd	4/21/2020					flooded
<b>Distrib total</b>		<b>0.27</b>	<b>7.0</b>	<b>9.5</b>	<b>53</b>	
Industrial Park	4/21/2020	0.08	7.1	10	21	
<b>Location</b>	<b>Date</b>	<b>Cl2</b>	<b>PH</b>	<b>Temp C</b>	<b>Alkalinity</b>	<b>Notes</b>
WWTP	4/27/2020	0.12	7.0	10.5	52	
Health Centre	4/27/2020	0.28	7.2	13.7	50	
Village Office	4/27/2020	0.27	7.0	10.4	55	
Plateau/Ridge	4/27/2020	0.26	6.9	9.7	55	
Oak St	4/27/2020	0.32	7.1	9.3	55	
Pemberton North						
Collins Rd	4/27/2020	0.27	7.0	7.1	50	
Meadows Rd	4/27/2020	0.27	7.0	6.9	57	
Farm Rd	4/27/2020	0.29	7.0	7.3	54	
Urdal Rd	4/27/2020					flooded
<b>Distrib total</b>		<b>0.26</b>	<b>7.0</b>	<b>9.4</b>	<b>54</b>	
Industrial Park	4/27/2020	0.12	7.1	7.6	24	
<b>Location</b>	<b>Date</b>	<b>Cl2</b>	<b>PH</b>	<b>Temp C</b>	<b>Alkalinity</b>	<b>Notes</b>
WWTP	5/4/2020	0.06	6.9	13.3	47	
Health Centre	5/4/2020	0.12	6.8	14.4	58	
Village Office	5/4/2020	0.2	7.0	9.4	50	
Plateau/Ridge	5/4/2020	0.12	7.0	10.2	49	
Oak St	5/4/2020	0.11	6.9	9.3	50	
Pemberton North						

Collins Rd	5/4/2020	0.2	7.0	8.1	51	
Meadows Rd	5/4/2020	0.21	6.9	9.8	51	
Farm Rd	5/4/2020	0.2	7.0	9.3	59	
Urdal Rd	5/4/2020					flooded
<b>Distrib total</b>		<b>0.15</b>	<b>6.9</b>	<b>10.5</b>	<b>52</b>	
Industrial Park	5/4/2020	0	7.0	8.7	21	
<b>Location</b>	<b>Date</b>	<b>Cl2</b>	<b>PH</b>	<b>Temp C</b>	<b>Alkalinity</b>	<b>Notes</b>
WWTP	5/12/2020	0.1	7.2	13.9	58	
Health Centre	5/12/2020	0.29	7.0	11.3	45	
Village Office	5/12/2020	0.22	7.0	11.6	55	
Plateau/Ridge	5/12/2020	0.18	7.0	9.3	55	
Oak St	5/12/2020	0.3	7.0	10.4	49	
Pemberton North						
Collins Rd	5/12/2020	0.25	7.0	9.8	55	
Meadows Rd	5/12/2020	0.27	7.0	9.9	48	
Farm Rd	5/12/2020	0.22	7.0	9.9	53	
Urdal Rd	5/12/2020					flooded
<b>Distrib total</b>		<b>0.23</b>	<b>7.0</b>	<b>10.8</b>	<b>52</b>	
Industrial Park	5/12/2020	0.08	7.0	9.4	25	
<b>Location</b>	<b>Date</b>	<b>Cl2</b>	<b>PH</b>	<b>Temp C</b>	<b>Alkalinity</b>	<b>Notes</b>
WWTP	5/19/2020	0.1	6.9	12.6	51	
Health Centre	5/19/2020	0.2	6.9	13.5	46	
Village Office	5/19/2020	0.11	6.9	12.6	51	
Plateau/Ridge	5/19/2020	0.2	7.0	11.5	57	
Oak St	5/19/2020	0.25	6.9	12.4	56	
Pemberton North						
Collins Rd	5/19/2020	0.2	6.9	9.4	54	
Meadows Rd	5/19/2020	0.21	6.9	11.7	52	
Farm Rd	5/19/2020	0.22	6.9	10.8	52	
Urdal Rd	5/19/2020	0.2	6.9	10.2	55	
<b>Distrib total</b>		<b>0.19</b>	<b>6.9</b>	<b>11.6</b>	<b>53</b>	
Industrial Park	5/19/2020	0.19	7.0	9.8	26	
<b>Location</b>	<b>Date</b>	<b>Cl2</b>	<b>PH</b>	<b>Temp C</b>	<b>Alkalinity</b>	<b>Notes</b>
WWTP	5/25/2020	0.19	7.1	10.5	62	
Health Centre	5/25/2020	0.27	7.1	14.3	48	
Village Office	5/25/2020	0.3	7.1	10.6	52	
Plateau/Ridge	5/25/2020	0.18	7.0	10.3	55	
Oak St	5/25/2020	0.3	7.1	10.4	65	
Pemberton North						
Collins Rd	5/25/2020	0.35	7.0	12.1	65	
Meadows Rd	5/25/2020	0.32	7.0	10.1	68	
Farm Rd	5/25/2020	0.31	7.1	11.1	64	
Urdal Rd	5/25/2020	0.25	7.1	10.2	65	
<b>Distrib total</b>		<b>0.27</b>	<b>7.1</b>	<b>11.1</b>	<b>60</b>	

Industrial Park	5/25/2020	0.16	7.1	10.6	23	
<b>Location</b>	<b>Date</b>	<b>Cl2</b>	<b>PH</b>	<b>Temp C</b>	<b>Alkalinity</b>	<b>Notes</b>
WWTP	6/1/2020	0	7.3	11.8	59	
Health Centre	6/1/2020	0.32	7.6	14.3	48	
Village Office	6/1/2020	0.36	7.2	11.4	49	
Plateau/Ridge	6/1/2020	0.28	7.6	12.3	53	
Oak St	6/1/2020	0.42	7.3	11.5	49	
Pemberton North						
Collins Rd	6/1/2020	0.4	7.6	9.1	57	
Meadows Rd	6/1/2020	0.36	7.4	10.3	53	
Farm Rd	6/1/2020	0.38	7.3	10.1	57	
Urdal Rd	6/1/2020	0.34	7.6	9.2	49	
<b>Distrib total</b>		<b>0.32</b>	<b>7.4</b>	<b>11.1</b>	<b>53</b>	
Industrial Park	6/1/2020	0.34	7.3	10.8	21	
<b>Location</b>	<b>Date</b>	<b>Cl2</b>	<b>PH</b>	<b>Temp C</b>	<b>Alkalinity</b>	<b>Notes</b>
WWTP	6/9/2020	0.2	7.2	10.3	56	
Health Centre	6/9/2020	0.23	7.2	13.1	53	
Village Office	6/9/2020	0.22	7.2	10.9	53	
Plateau/Ridge	6/9/2020	0.2	7.2	11.4	58	
Oak St	6/9/2020	0.36	7.3	13.4	51	
Pemberton North						
Collins Rd	6/9/2020	0.31	7.2	9.4	55	
Meadows Rd	6/9/2020	0.32	7.2	10.2	58	
Farm Rd	6/9/2020	0.3	7.2	10.2	61	
Urdal Rd	6/9/2020	0.27	7.2	9.1	58	
<b>Distrib total</b>		<b>0.27</b>	<b>7.2</b>	<b>10.9</b>	<b>56</b>	
Industrial Park	6/9/2020	0.32	7.3	9.4	20	
<b>Location</b>	<b>Date</b>	<b>Cl2</b>	<b>PH</b>	<b>Temp C</b>	<b>Alkalinity</b>	<b>Notes</b>
WWTP	6/15/2020	0.17	7.0	13.5	44	
Health Centre	6/15/2020	0.35	7.1	14	45	
Village Office	6/15/2020	0.26	7.0	12.3	49	
Plateau/Ridge	6/15/2020	0.31	7.0	11	55	
Oak St	6/15/2020	0.41	7.0	11.4	50	
Pemberton North						
Collins Rd	6/15/2020	0.43	7.0	10.6	59	
Meadows Rd	6/15/2020	0.35	7.1	11	52	
Farm Rd	6/15/2020	0.43	7.0	10.4	50	
Urdal Rd	6/15/2020	0.35	7.0	13.1	53	
<b>Distrib total</b>		<b>0.34</b>	<b>7.0</b>	<b>11.9</b>	<b>51</b>	
Industrial Park	6/15/2020	0.43	7.1	10.3	22	
<b>Location</b>	<b>Date</b>	<b>Cl2</b>	<b>PH</b>	<b>Temp C</b>	<b>Alkalinity</b>	<b>Notes</b>
WWTP	6/22/2020	0.08	7.1	11.3	59	
Health Centre	6/22/2020	0.4	7.2	14.5	43	

Village Office	6/22/2020	0.38	7.1	12.8	44	
Plateau/Ridge	6/22/2020	0.39	7.3	13.4	47	
Oak St	6/22/2020	0.46	7.5	12.1	46	
Pemberton North						
Collins Rd	6/22/2020	0.52	7.2	10.8	45	
Meadows Rd	6/22/2020	0.37	7.2	12.9	47	
Farm Rd	6/22/2020	0.42	7.4	11	52	
Urdal Rd	6/22/2020	0.52	7.1	12.1	49	
<b>Distrib total</b>		<b>0.39</b>	<b>7.2</b>	<b>12.3</b>	<b>48</b>	
Industrial Park	6/22/2020	0.14	7.3	11	23	
Location	Date	Cl2	PH	Temp C	Alkalinity	Notes
WWTP	6/29/2020	0.29	7.0	12.7	47	
Health Centre	6/29/2020	0.34	7.0	15.1	53	
Village Office	6/29/2020	0.28	7.0	12.8	56	
Plateau/Ridge	6/29/2020	0.28	7.0	12.9	54	
Oak St	6/29/2020	0.33	7.0	12	58	
Pemberton North						
Collins Rd	6/29/2020	0.31	7.0	11.3	48	
Meadows Rd	6/29/2020	0.33	7.0	12.2	48	
Farm Rd	6/29/2020	0.32	7.0	12.7	54	
Urdal Rd	6/29/2020	0.29	7.0	12.8	57	
<b>Distrib total</b>		<b>0.31</b>	<b>7.0</b>	<b>12.7</b>	<b>53</b>	
Industrial Park	6/29/2020	0.46	7.1	11.8	21	
Location	Date	Cl2	PH	Temp C	Alkalinity	Notes
WWTP	7/2/2020	0.09	6.9	11.2	54	
Health Centre	7/2/2020	0.22	7.0	14.3	52	
Village Office	7/2/2020	0.22	7.0	15	50	
Plateau/Ridge	7/2/2020	0.22	7.0	16	44	
Oak St	7/2/2020	0.34	7.0	12.4	54	
Pemberton North						
Collins Rd	7/2/2020	0.35	6.9	11.6	50	
Meadows Rd	7/2/2020	0.27	6.9	13.1	55	
Farm Rd	7/2/2020	0.32	6.9	14.3	50	
Urdal Rd	7/2/2020	0.34	6.9	14.3	50	
<b>Distrib total</b>		<b>0.26</b>	<b>6.9</b>	<b>13.6</b>	<b>51</b>	
Industrial Park	7/2/2020	0.32	7.0	11.2	50	
Location	Date	Cl2	PH	Temp C	Alkalinity	Notes
WWTP	7/13/2020	0.09	7.0	9.1	64	
Health Centre	7/13/2020	0.22	7.0	13.4	55	
Village Office	7/13/2020	0.23	7.0	13.5	47	
Plateau/Ridge	7/13/2020	0.2	7.0	12	49	
Oak St	7/13/2020	0.26	7.0	13.3	53	
Pemberton North						
Collins Rd	7/13/2020	0.3	6.9	11.7	56	

Meadows Rd	7/13/2020	0.22	7.0	11	50	
Farm Rd	7/13/2020	0.25	7.0	11	55	
Urdal Rd	7/13/2020	0.22	6.9	11.5	55	
<b>Distrib total</b>		<b>0.22</b>	<b>7.0</b>	<b>11.8</b>	<b>54</b>	
Industrial Park	7/13/2020	0.05	7.1	13.2	21	
<b>Location</b>	<b>Date</b>	<b>Cl2</b>	<b>PH</b>	<b>Temp C</b>	<b>Alkalinity</b>	<b>Notes</b>
WWTP	7/20/2020	0.1	7.0	12.1	58	
Health Centre	7/20/2020	0.25	7.0	13.6	58	
Village Office	7/20/2020	0.24	6.9	14.5	50	
Plateau/Ridge	7/20/2020	0.22	6.9	14.7	52	
Oak St	7/20/2020	0.33	6.9	16.9	50	
Pemberton North						
Collins Rd	7/20/2020	0.35	6.9	12.5	59	
Meadows Rd	7/20/2020	0.24	7.0	12.3	58	
Farm Rd	7/20/2020	0.28	7.0	12.2	54	
Urdal Rd	7/20/2020	0.25	6.9	13.2	56	
<b>Distrib total</b>		<b>0.25</b>	<b>6.9</b>	<b>13.6</b>	<b>55</b>	
Industrial Park	7/20/2020	0.04	7.0	14.4	18	
<b>Location</b>	<b>Date</b>	<b>Cl2</b>	<b>PH</b>	<b>Temp C</b>	<b>Alkalinity</b>	<b>Notes</b>
WWTP	7/27/2020	0.08	6.8	12.2	60	
Health Centre	7/27/2020	0.27	7.0	14.1	53	
Village Office	7/27/2020	0.27	6.9	14.2	55	
Plateau/Ridge	7/27/2020	0.25	7.0	11.3	57	
Oak St	7/27/2020	0.28	7.1	12.1	57	
Pemberton North						
Collins Rd	7/27/2020	0.3	7.0	11.5	51	
Meadows Rd	7/27/2020	0.27	6.8	11.3	49	
Farm Rd	7/27/2020	0.29	6.9	12	56	
Urdal Rd	7/27/2020	0.28	7.0	11.6	55	
<b>Distrib total</b>		<b>0.25</b>	<b>6.9</b>	<b>12.3</b>	<b>55</b>	
Industrial Park	7/27/2020	0.11	7.1	11.8	23	
<b>Location</b>	<b>Date</b>	<b>Cl2</b>	<b>PH</b>	<b>Temp C</b>	<b>Alkalinity</b>	<b>Notes</b>
WWTP	8/4/2020	0.08	7.0	11.9	59	
Health Centre	8/4/2020	0.34	7.7	15.9	55	
Village Office	8/4/2020	0.26	7.2	14.6	55	
Plateau/Ridge	8/4/2020	0.27	7.0	12.4	54	
Oak St	8/4/2020	0.34	7.6	14.5	55	
Pemberton North						
Collins Rd	8/4/2020	0.26	7.0	11.7	52	
Meadows Rd	8/4/2020	0.27	7.0	11.7	63	
Farm Rd	8/4/2020	0.32	6.9	12.4	60	
Urdal Rd	8/4/2020	0.3	7.2	14.5	55	
<b>Distrib total</b>		<b>0.27</b>	<b>7.2</b>	<b>13.3</b>	<b>56</b>	
Industrial Park	8/4/2020	0.15	7.1	12.2	16	

Location	Date	Cl2	PH	Temp C	Alkalinity	Notes
WWTP	8/11/2020	0.06	7.7	15.8	0	
Health Centre	8/11/2020	0.29	7.1	14.3	0	
Village Office	8/11/2020	0.3	7.1	12.4	0	
Plateau/Ridge	8/11/2020	0.33	7.1	11.7	0	
Oak St	8/11/2020	0.31	7.1	10.7	0	
Pemberton North						
Collins Rd	8/11/2020	0.33	7.0	10.7	0	
Meadows Rd	8/11/2020	0.31	7.0	9.9	0	
Farm Rd	8/11/2020	0.34	7.0	8.5	0	
Urdal Rd	8/11/2020	0.3	7.0	13.1	0	
<b>Distrib total</b>		<b>0.29</b>	<b>7.1</b>	<b>11.9</b>	<b>0</b>	
Industrial Park	8/11/2020	0.04	7.1	11.3	0	
Location	Date	Cl2	PH	Temp C	Alkalinity	Notes
WWTP	8/18/2020	0.28	6.8	10.7	61	
Health Centre	8/18/2020	0.37	7.9	13.1	60	
Village Office	8/18/2020	0.34	7.0	12.6	59	
Plateau/Ridge	8/18/2020	0.24	7.0	11.8	55	
Oak St	8/18/2020	0.39	7.0	11.1	61	
Pemberton North						
Collins Rd	8/18/2020	0.31	7.0	12.6	53	
Meadows Rd	8/18/2020	0.31	6.9	12.3	55	
Farm Rd	8/18/2020	0.35	6.9	12.2	60	
Urdal Rd	8/18/2020	0.27	6.9	12.3	58	
<b>Distrib total</b>		<b>0.32</b>	<b>7.0</b>	<b>12.1</b>	<b>58.0</b>	
Industrial Park	8/18/2020	0.04	7.1	11.3	7	
Location	Date	Cl2	PH	Temp C	Alkalinity	Notes
WWTP	8/24/2020	0.05	7.0	14.2	82	
Health Centre	8/24/2020	0.26	7.1	13.5	75	
Village Office	8/24/2020	0.26	7.1	12.7	82	
Plateau/Ridge	8/24/2020	0.31	7.4	12.3	72	
Oak St	8/24/2020	0.37	7.9	13.1	67	
Pemberton North						
Collins Rd	8/24/2020	0.38	7.5	12.6	77	
Meadows Rd	8/24/2020	0.32	7.3	11.7	80	
Farm Rd	8/24/2020	0.26	7.4	13	80	
Urdal Rd	8/24/2020	0.27	7.1	12.4	75	
<b>Distrib total</b>		<b>0.28</b>	<b>7.3</b>	<b>12.8</b>	<b>76.7</b>	
Industrial Park	8/24/2020	0.23	7.2	13.4	25	
Location	Date	Cl2	PH	Temp C	Alkalinity	Notes
WWTP	8/31/2020	0.05	6.9	13.5	70	
Health Centre	8/31/2020	0.25	7.2	12.1	74	



Village Office	8/31/2020	0.2	7.0	12.4	80	
Plateau/Ridge	8/31/2020	0.25	6.9	11.2	81	
Oak St	8/31/2020	0.25	6.9	9.8	72	
Pemberton North						
Collins Rd	8/31/2020	0.24	7.0	13.1	70	
Meadows Rd	8/31/2020	0.26	7.0	11	72	
Farm Rd	8/31/2020	0.26	6.9	12.1	80	
Urdal Rd	8/31/2020	0.25	7.0	9.7	77	
<b>Distrib total</b>		<b>0.22</b>	<b>7.0</b>	<b>11.7</b>	<b>75.1</b>	
Industrial Park	8/31/2020	0	7.0	10.2	16	
Location	Date	Cl2	PH	Temp C	Alkalinity	Notes
WWTP	9/8/2020	0.05	6.9	15	54	Soda ash syst. dwn.
Health Centre	9/8/2020	0.24	6.7	11	18	
Village Office	9/8/2020	0.38	6.1	9.5	21	
Plateau/Ridge	9/8/2020	0.29	5.9	9.4	26	
Oak St	9/8/2020	0.36	5.6	9.5	20	
Pemberton North						
Collins Rd	9/8/2020	0.35	5.6	10.5	21	
Meadows Rd	9/8/2020	0.29	5.7	12.1	21	
Farm Rd	9/8/2020	0.34	5.8	10.3	24	
Urdal Rd	9/8/2020	0.38	5.8	10	20	
<b>Distrib total</b>		<b>0.30</b>	<b>6.0</b>	<b>10.8</b>	<b>25.0</b>	
Industrial Park	9/8/2020	0.18	7.1	12.5	15	
Location	Date	Cl2	PH	Temp C	Alkalinity	Notes
WWTP	9/15/2020	0.12	6.9	15.1	65	
Health Centre	9/15/2020	0.25	6.9	16.3	62	
Village Office	9/15/2020	0.32	6.8	14.4	67	
Plateau/Ridge	9/15/2020	0.22	6.8	13.2	68	
Oak St	9/15/2020	0.31	6.8	11.5	73	
Pemberton North						
Collins Rd	9/15/2020	0.32	6.8	11.4	68	
Meadows Rd	9/15/2020	0.25	6.8	11.1	68	
Farm Rd	9/15/2020	0.28	6.8	12.7	67	
Urdal Rd	9/15/2020	0.3	6.8	11.7	69	
<b>Distrib total</b>		<b>0.26</b>	<b>6.8</b>	<b>13.0</b>	<b>67.4</b>	
Industrial Park	9/16/2020	0.18	7.0	15	22	
Location	Date	Cl2	PH	Temp C	Alkalinity	Notes
WWTP	9/21/2020	0.05	6.8	12.3	72	
Health Centre	9/21/2020	0.25	7.0	15.7	66	
Village Office	9/21/2020	0.21	6.9	14.3	75	
Plateau/Ridge	9/21/2020	0.2	6.8	11	77	
Oak St	9/21/2020	0.29	6.8	12.5	76	
Pemberton North						
Collins Rd	9/21/2020	0.29	6.8	11	72	

Meadows Rd	9/21/2020	0.2	6.8	11.5	66	
Farm Rd	9/21/2020	0.29	6.8	11.6	76	
Urdal Rd	9/21/2020	0.3	6.8	12	72	
<b>Distrib total</b>		<b>0.23</b>	<b>6.8</b>	<b>12.4</b>	<b>72.4</b>	
Industrial Park	9/21/2020	0.2	7.0	12.9	21	
<b>Location</b>	<b>Date</b>	<b>Cl2</b>	<b>PH</b>	<b>Temp C</b>	<b>Alkalinity</b>	<b>Notes</b>
WWTP	9/28/2020	0.1	7.0	10.6	82	
Health Centre	9/28/2020	0.22	7.0	15.3	79	
Village Office	9/28/2020	0.26	6.9	12.3	85	
Plateau/Ridge	9/28/2020	0.21	6.9	12.9	81	
Oak St	9/28/2020	0.27	6.9	11.8	84	
Pemberton North						
Collins Rd	9/28/2020	0.3	6.9	11	81	
Meadows Rd	9/28/2020	0.24	6.9	11	86	
Farm Rd	9/28/2020	0.2	6.9	12.3	89	
Urdal Rd	9/28/2020	0.25	6.9	11.2	85	
<b>Distrib total</b>		<b>0.23</b>	<b>6.9</b>	<b>12.04</b>	<b>83.56</b>	
Industrial Park	9/28/2020	0.21	7.1	11.5	23	
<b>Location</b>	<b>Date</b>	<b>Cl2</b>	<b>PH</b>	<b>Temp C</b>	<b>Alkalinity</b>	<b>Notes</b>
WWTP	10/5/2020	0.10	6.9	8.9	87	
Health Centre	10/5/2020	0.29	7.0	15.7	74	
Village Office	10/5/2020	0.12	6.9	11.4	77	
Plateau/Ridge	10/5/2020	0.12	6.9	11.6	85	
Oak St	10/5/2020	0.28	7.0	10.2	82	
Pemberton North						
Collins Rd	10/5/2020	0.28	6.9	9	82	
Meadows Rd	10/5/2020	0.24	6.9	8.7	87	
Farm Rd	10/5/2020	0.28	6.9	10.4	82	
Urdal Rd	10/5/2020	0.29	7.0	10.4	82	
<b>Distrib total</b>		<b>0.22</b>	<b>6.9</b>	<b>10.70</b>	<b>82.00</b>	
Industrial Park	10/5/2020	0.07	7.0	9.6	16	
<b>Location</b>	<b>Date</b>	<b>Cl2</b>	<b>PH</b>	<b>Temp C</b>	<b>Alkalinity</b>	<b>Notes</b>
WWTP	10/13/2020	0.10	6.9	12.9	72	
Health Centre	10/13/2020	0.25	6.9	11.2	68	
Village Office	10/13/2020	0.22	6.9	11.5	79	
Plateau/Ridge	10/13/2020	0.17	6.9	10.8	65	
Oak St	10/13/2020	0.25	7.0	11.5	69	
Pemberton North						
Collins Rd	10/13/2020	0.29	6.8	12.3	69	
Meadows Rd	10/13/2020	0.25	6.8	12.3	65	
Farm Rd	10/13/2020	0.25	6.9	12.5	68	
Urdal Rd	10/13/2020					
<b>Distrib total</b>		<b>0.22</b>	<b>6.9</b>	<b>11.9</b>	<b>69</b>	
Industrial Park	10/13/2020	0.21	7.0	11.2	24	

Location	Date	Cl2	PH	Temp C	Alkalinity	Notes
WWTP	10/19/2020	0.12	6.9	10.3	70	
Health Centre	10/19/2020	0.37	7.0	13.4	73	
Village Office	10/19/2020	0.22	7.0	12.3	63	
Plateau/Ridge	10/19/2020	0.18	6.9	11.9	64	
Oak St	10/19/2020	0.38	7.0	10.2	67	
Pemberton North						
Collins Rd	10/19/2020	0.4	7.0	9.9	76	
Meadows Rd	10/19/2020	0.42	7.0	9.4	72	
Farm Rd	10/19/2020	0.37	7.0	12.1	69	
Urdal Rd	10/19/2020	0.38	7.0	12.1	67	
<b>Distrib total</b>		<b>0.32</b>	<b>7.0</b>	<b>11.3</b>	<b>69</b>	
Industrial Park	10/19/2020	0.05	7.0	13.2	20	
Location	Date	Cl2	PH	Temp C	Alkalinity	Notes
WWTP	10/26/2020	0.12	7.0	12.1	70	
Health Centre	10/26/2020	0.3	7.0	12.3	72	
Village Office	10/26/2020	0.2	7.0	11.5	71	
Plateau/Ridge	10/26/2020	0.31	7.0	10.5	72	
Oak St	10/26/2020	0.37	7.0	9.4	61	
Pemberton North						
Collins Rd	10/26/2020					Frozen
Meadows Rd	10/26/2020					Frozen
Farm Rd	10/26/2020					Frozen
Urdal Rd	10/26/2020					Frozen
<b>Distrib total</b>		<b>0.26</b>	<b>7.0</b>	<b>11.2</b>	<b>69</b>	
Industrial Park	10/26/2020	0	7.1	10.7	22	
Location	Date	Cl2	PH	Temp C	Alkalinity	Notes
WWTP	11/2/2020	0.27	7.1	9.7	78	
Health Centre	11/2/2020	0.2	7.0	11.9	71	
Village Office	11/2/2020	0.32	7.1	10.7	75	
Plateau/Ridge	11/2/2020	0.23	7.1	10.1	74	
Oak St	11/2/2020	0.32	7.1	9.3	73	
Pemberton North						
Collins Rd	11/2/2020	0.36	7.0	9.8	78	
Meadows Rd	11/2/2020	0.39	7.0	10.4	71	
Farm Rd	11/2/2020	0.36	7.0	8.9	75	
Urdal Rd	11/2/2020	0.31	7.1	8.6	82	
<b>Distrib total</b>		<b>0.31</b>	<b>7.0</b>	<b>9.9</b>	<b>75</b>	
Industrial Park	11/2/2020	0	7.1	10.4	22	
Location	Date	Cl2	PH	Temp C	Alkalinity	Notes
WWTP	11/7/2020	0.21	7.1	10.6	85	
Health Centre	11/7/2020	0.34	7.1	10.4	78	
Village Office	11/7/2020	0.41	7.2	9.7	78	

Plateau/Ridge	11/7/2020	0.26	7.1	10.9	73	
Oak St	11/7/2020	0.4	7.1	9.6	72	
Pemberton North						
Collins Rd	11/7/2020					Frozen
Meadows Rd	11/7/2020					Frozen
Farm Rd	11/7/2020					Frozen
Urdal Rd	11/7/2020					Frozen
<b>Distrib total</b>		<b>0.32</b>	<b>7.1</b>	<b>10.2</b>	<b>77</b>	
Industrial Park	11/7/2020	0.17	7.2	9.7	22	
Location	Date	Cl2	PH	Temp C	Alkalinity	Notes
WWTP	11/17/2020	0.11	7.1	7.2	80	
Health Centre	11/17/2020	0.25	7.1	11.7	76	
Village Office	11/17/2020	0.39	7.1	11.8	72	
Plateau/Ridge	11/17/2020	0.23	7.1	8.8	73	
Oak St	11/18/2020	0.4	7.0	9.3	75	
Pemberton North						
Collins Rd	11/18/2020	0.34	7.0	9.7	76	
Meadows Rd	11/18/2020	0.3	7.0	9.9	76	
Farm Rd	11/18/2020	0.28	7.0	10.8	76	
Urdal Rd	11/18/2020					flooded
<b>Distrib total</b>		<b>0.29</b>	<b>7.1</b>	<b>9.9</b>	<b>76</b>	
Industrial Park	11/17/2020	0.15	7.2	8.6	22	
Location	Date	Cl2	PH	Temp C	Alkalinity	Notes
WWTP	11/23/2020	0.16	7.1	9.8	77	
Health Centre	11/23/2020	0.36	7.0	10.6	76	
Village Office	11/23/2020	0.41	7.1	8.3	79	
Plateau/Ridge	11/23/2020	0.31	7.1	9.1	70	
Oak St	11/23/2020	0.43	7.1	10.2	75	
Pemberton North						
Collins Rd	11/23/2020	0.45	7.1	8.9	76	
Meadows Rd	11/23/2020	0.2	7.1	9.5	76	
Farm Rd	11/23/2020	0.37	7.1	10.3	78	
Urdal Rd	11/23/2020	0.37	7.1	8.4	72	
<b>Distrib total</b>		<b>0.34</b>	<b>7.1</b>	<b>9.5</b>	<b>75</b>	
Industrial Park	11/24/2020	0.22	6.8	9.2	20	
Location	Date	Cl2	PH	Temp C	Alkalinity	Notes
WWTP	12/1/2020	0.10	7.1	11	85	
Health Centre	12/1/2020	0.36	7.1	8.5	82	
Village Office	12/1/2020	0.36	7.0	8.5	75	
Plateau/Ridge	12/1/2020	0.25	7.1	11.3	76	
Oak St	12/1/2020	0.37	7.1	8.3	74	
Pemberton North						
Collins Rd	12/1/2020	0.36	7.1	7.8	77	
Meadows Rd	12/1/2020	0.18	7.1	8.6	76	

Farm Rd	12/1/2020	0.2	7.1	7.9	81	
Urdal Rd	12/1/2020					Flooded
<b>Distrib total</b>		<b>0.27</b>	<b>7.1</b>	<b>9.0</b>	<b>78</b>	
Industrial Park	12/1/2020	0.22	7.1	9.6	18	
<b>Location</b>	<b>Date</b>	<b>Cl2</b>	<b>PH</b>	<b>Temp C</b>	<b>Alkalinity</b>	<b>Notes</b>
WWTP	12/7/2020	0.10	7.1	8.9	82	
Health Centre	12/7/2020	0.35	7.0	9.8	77	
Village Office	12/7/2020	0.3	7.0	8.7	79	
Plateau/Ridge	12/7/2020	0.28	7.1	9.4	80	
Oak St	12/7/2020	0.35	7.1	8.6	75	
Pemberton North						
Collins Rd	12/7/2020	0.36	7.1	8.5	85	
Meadows Rd	12/7/2020	0.32	7.0	8.7	83	
Farm Rd	12/7/2020	0.31	7.0	8.6	80	
Urdal Rd	12/7/2020	0.27	7.0	9.5	64	
<b>Distrib total</b>		<b>0.29</b>	<b>7.1</b>	<b>9.0</b>	<b>78</b>	
Industrial Park	12/7/2020	0.09	7.1	9.1	20	
<b>Location</b>	<b>Date</b>	<b>Cl2</b>	<b>PH</b>	<b>Temp C</b>	<b>Alkalinity</b>	<b>Notes</b>
WWTP	12/14/2020	0.11	7.1	17.1	85	
Health Centre	12/15/2020	0.27	7.1	12.3	82	
Village Office	12/15/2020	0.27	7.1	12.1	72	
Plateau/Ridge	12/15/2020	0.22	7.1	13.9	70	
Oak St	12/16/2020	0.3	7.0	12.2	86	
Pemberton North						
Collins Rd	12/16/2020	0.28	7.0	10.8	73	
Meadows Rd	12/16/2020	0.29	7.0	11	77	
Farm Rd	12/16/2020	0.28	7.0	10.4	76	
Urdal Rd	12/16/2020	0.3	7.0	10.6	75	
<b>Distrib total</b>		<b>0.26</b>	<b>7.0</b>	<b>12.3</b>	<b>77</b>	
Industrial Park	12/14/2020	0.12	7.0	18.3	20	



Box 100 | 7400 Prospect Street  
Pemberton, BC V0N 2L0  
P: 604.894.6135 | F: 604.894.6136  
Email: [admin@pemberton.ca](mailto:admin@pemberton.ca)  
Website: [www.pemberton.ca](http://www.pemberton.ca)

## APPENDIX IV

### 2020 Weekly VCH Bacteriological Results

## Sample Range Report

Vancouver Coastal Health

**Facility Name:** Village of Pemberton  
**Date Range:** Jan 1 2020 to Dec 31 2020

**Operator** Jeff Westlake  
 P.O. Box 100  
 Pemberton, BC V0N 2L0

Sampling Site	Date Collected	Total Coliform	E. Coli	Fecal Coliform
<u>Reservoir South,</u>				
<u>Pemberton</u>				
	5/11/2020 9:00:00 AM	LT1	LT1	
	5/11/2020 9:05:00 AM	<u>LT1</u>	<u>LT1</u>	
	Total Positive :	0	0	
<u>Treatment</u>				
<u>Plant/Airport Rd.,</u>				
<u>Pemberton</u>				
	1/6/2020	L1	L1	
	1/13/2020	L1	L1	
	1/21/2020	L1	L1	
	1/28/2020 8:29:00 AM	LT1	LT1	
	2/4/2020 8:30:00 AM	LT1	LT1	
	2/11/2020 8:30:00 AM	LT1	LT1	
	2/18/2020 8:30:00 AM	LT1	LT1	
	3/9/2020 8:30:00 AM	LT1	LT1	
	3/24/2020 8:29:00 AM	LT1	LT1	
	3/30/2020 8:30:00 AM	LT1	LT1	
	4/7/2020 8:30:00 AM	LT1	LT1	
	4/14/2020 9:30:00 AM	LT1	LT1	
	4/21/2020 8:30:00 AM	LT1	LT1	
	4/27/2020 8:30:00 AM	LT1	LT1	
	5/4/2020 8:30:00 AM	LT1	LT1	
	5/11/2020 9:30:00 AM	LT1	LT1	
	5/19/2020 8:30:00 AM	QRWRT	QRWRT	
	5/25/2020 8:30:00 AM	LT1	LT1	

6/1/2020 8:30:00 AM	LT1	LT1
6/9/2020 8:30:00 AM	LT1	LT1
6/15/2020 8:30:00 AM	LT1	LT1
6/22/2020 8:30:00 AM	LT1	LT1
6/29/2020 8:30:00 AM	LT1	LT1
7/7/2020 8:30:00 AM	LT1	LT1
7/13/2020 8:30:00 AM	LT1	LT1
7/20/2020 8:30:00 AM	LT1	LT1
7/27/2020 8:30:00 AM	LT1	LT1
8/4/2020 8:30:00 AM	LT1	LT1
8/11/2020 8:00:00 AM	LT1	LT1
8/18/2020 8:00:00 AM	LT1	LT1
8/24/2020 8:30:00 AM	LT1	LT1
8/31/2020 8:30:00 AM	LT1	LT1
9/8/2020 8:00:00 AM	LT1	LT1
9/15/2020 8:30:00 AM	LT1	LT1
9/21/2020 8:30:00 AM	LT1	LT1
9/28/2020 8:30:00 AM	LT1	LT1
10/5/2020 8:30:00 AM	LT1	LT1
10/13/2020 5:30:00 AM	LT1	LT1
10/19/2020 8:30:00 AM	LT1	LT1
10/26/2020 8:30:00 AM	LT1	LT1
11/2/2020 8:30:00 AM	LT1	LT1
11/9/2020 8:30:00 AM	LT1	LT1
11/17/2020 8:30:00 AM	LT1	LT1
11/23/2020 8:30:00 AM	LT1	LT1
12/1/2020 8:30:00 AM	LT1	LT1
12/7/2020 8:30:00 AM	LT1	LT1
12/14/2020 8:30:00 AM	<u>LT1</u>	<u>LT1</u>
Total Positive :	0	0



Oak Street At High  
School, Pemberton

1/6/2020	L1	L1
1/13/2020	L1	L1
1/21/2020	L1	L1
1/28/2020 9:40:00 AM	LT1	LT1
2/4/2020 9:30:00 AM	LT1	LT1
2/11/2020 10:10:00 AM	LT1	LT1
2/18/2020 9:30:00 AM	LT1	LT1
2/24/2020 10:00:00 AM	LT1	LT1
3/2/2020 9:50:00 AM	LT1	LT1
3/9/2020 9:40:00 AM	LT1	LT1
3/24/2020 10:00:00 AM	LT1	LT1
4/21/2020 9:00:00 AM	LT1	LT1
4/27/2020 5:36:00 PM	LT1	LT1
5/4/2020 10:00:00 AM	LT1	LT1
5/12/2020 9:50:00 AM	LT1	LT1
5/19/2020 10:50:00 AM	QRWRT	QRWRT
5/25/2020 9:50:00 AM	LT1	LT1
6/1/2020 10:10:00 AM	LT1	LT1
6/9/2020 10:10:00 AM	LT1	LT1
6/15/2020 10:10:00 AM	LT1	LT1
6/22/2020 10:00:00 AM	LT1	LT1
6/29/2020 10:00:00 AM	LT1	LT1
7/7/2020 10:00:00 AM	LT1	LT1
7/13/2020 10:10:00 AM	LT1	LT1
7/20/2020 10:10:00 AM	LT1	LT1
7/27/2020 10:00:00 AM	LT1	LT1
8/4/2020 10:00:00 AM	LT1	LT1
8/11/2020 9:50:00 AM	LT1	LT1
8/18/2020 9:40:00 AM	LT1	LT1

8/24/2020 10:10:00 AM	LT1	LT1
8/31/2020 10:10:00 AM	LT1	LT1
9/8/2020 9:40:00 AM	LT1	LT1
9/15/2020 10:00:00 AM	LT1	LT1
9/21/2020 10:10:00 AM	LT1	LT1
9/28/2020 10:10:00 AM	LT1	LT1
10/5/2020 10:10:00 AM	LT1	LT1
10/13/2020 10:00:00 AM	LT1	LT1
10/19/2020 10:10:00 AM	LT1	LT1
10/26/2020 9:30:00 AM	LT1	LT1
11/2/2020 10:10:00 AM	LT1	LT1
11/9/2020 9:20:00 AM	LT1	LT1
11/18/2020 9:30:00 AM	LT1	LT1
11/23/2020 10:00:00 AM	LT1	LT1
12/1/2020 10:00:00 AM	LT1	LT1
12/7/2020 10:10:00 AM	LT1	LT1
12/16/2020 9:40:00 AM	<u>LT1</u>	<u>LT1</u>
<b>Total Positive :</b>	<b>0</b>	<b>0</b>

Ad hoc /  
miscellaneous site,  
Pemberton

2/24/2020 8:30:00 AM	LT1	LT1
2/24/2020 9:50:00 AM	LT1	LT1
3/2/2020 8:31:00 AM	LT1	LT1
3/2/2020 9:10:00 AM	LT1	LT1
3/2/2020 10:00:00 AM	LT1	LT1
5/11/2020 9:50:00 AM	LT1	LT1
5/19/2020 9:20:00 AM	QRWRT	QRWRT
5/19/2020 9:30:00 AM	QRWRT	QRWRT
5/19/2020 9:40:00 AM	QRWRT	QRWRT

5/19/2020 9:50:00 AM	QRWRT	QRWRT
5/19/2020 10:20:00 AM	<u>QRWRT</u>	<u>QRWRT</u>
<b>Total Positive :</b>	<b>0</b>	<b>0</b>

Pemberton Health  
Center, 1403  
Portage Road,  
Pemberton, B.C.

1/6/2020	L1	L1
1/13/2020	L1	L1
1/21/2020	L1	L1
1/28/2020 9:50:00 AM	LT1	LT1
2/4/2020 9:40:00 AM	LT1	LT1
2/11/2020 10:20:00 AM	LT1	LT1
2/18/2020 9:40:00 AM	LT1	LT1
2/24/2020 10:10:00 AM	LT1	LT1
3/2/2020 10:10:00 AM	LT1	LT1
3/9/2020 9:50:00 AM	LT1	LT1
3/24/2020 10:10:00 AM	LT1	LT1
3/30/2020 9:50:00 AM	LT1	LT1
4/7/2020 9:40:00 AM	LT1	LT1
4/14/2020 10:40:00 AM	LT1	LT1
4/21/2020 10:00:00 AM	LT1	LT1
4/27/2020 10:10:00 AM	LT1	LT1
5/4/2020 10:10:00 AM	LT1	LT1
5/12/2020 10:00:00 AM	LT1	LT1
5/19/2020 10:10:00 AM	QRWRT	QRWRT
5/25/2020 10:00:00 AM	LT1	LT1
6/1/2020 10:20:00 AM	LT1	LT1
6/9/2020 10:20:00 AM	LT1	LT1
6/15/2020 10:20:00 AM	LT1	LT1
6/22/2020 10:10:00 AM	LT1	LT1
6/29/2020 10:10:00 AM	LT1	LT1

7/7/2020 10:10:00 AM	LT1	LT1
7/13/2020 10:20:00 AM	LT1	LT1
7/20/2020 10:20:00 AM	LT1	LT1
7/27/2020 10:10:00 AM	LT1	LT1
8/4/2020 10:10:00 AM	LT1	LT1
8/11/2020 8:40:00 AM	LT1	LT1
8/18/2020 9:50:00 AM	LT1	LT1
8/24/2020 10:20:00 AM	LT1	LT1
8/31/2020 10:20:00 AM	LT1	LT1
9/8/2020 9:50:00 AM	LT1	LT1
9/15/2020 10:10:00 AM	LT1	LT1
9/21/2020 10:20:00 AM	LT1	LT1
9/28/2020 10:20:00 AM	LT1	LT1
10/5/2020 10:20:00 AM	LT1	LT1
10/13/2020 10:10:00 AM	LT1	LT1
10/19/2020 10:20:00 AM	LT1	LT1
10/26/2020 9:40:00 AM	LT1	LT1
11/2/2020 10:20:00 AM	LT1	LT1
11/9/2020 9:30:00 AM	LT1	LT1
11/17/2020 10:30:00 AM	LT1	LT1
11/23/2020 10:10:00 AM	LT1	LT1
12/1/2020 10:10:00 AM	LT1	LT1
12/7/2020 10:20:00 AM	LT1	LT1
12/16/2020 9:50:00 AM	<u>REJCT DELAY3</u>	<u>REJCT DELAY3</u>
<b>Total Positive :</b>	<b>0</b>	<b>0</b>

Village Office, 7410 Prospect

1/6/2020	L1	L1
1/13/2020	L1	L1
1/21/2020	L1	L1

1/28/2020 9:00:00 AM	LT1	LT1
2/4/2020 9:00:00 AM	LT1	LT1
2/11/2020 9:00:00 AM	LT1	LT1
2/18/2020 9:00:00 AM	LT1	LT1
2/24/2020 9:00:00 AM	LT1	LT1
3/9/2020 9:50:00 AM	LT1	LT1
3/24/2020 8:50:00 AM	LT1	LT1
3/30/2020 9:00:00 AM	LT1	LT1
4/7/2020 9:00:00 AM	LT1	LT1
4/14/2020 10:00:00 AM	LT1	LT1
4/21/2020 8:50:00 AM	LT1	LT1
4/27/2020 7:50:00 AM	LT1	LT1
5/4/2020 9:00:00 AM	LT1	LT1
5/12/2020 9:00:00 AM	LT1	LT1
5/19/2020 8:50:00 AM	QRWRT	QRWRT
5/25/2020 9:00:00 AM	LT1	LT1
6/1/2020 9:00:00 AM	LT1	LT1
6/9/2020 9:00:00 AM	LT1	LT1
6/15/2020 9:00:00 AM	LT1	LT1
6/22/2020 8:50:00 AM	LT1	LT1
6/29/2020 9:00:00 AM	LT1	LT1
7/7/2020 9:00:00 AM	LT1	LT1
7/13/2020 9:00:00 AM	LT1	LT1
7/20/2020 9:00:00 AM	LT1	LT1
7/27/2020 8:00:00 AM	LT1	LT1
8/4/2020 9:00:00 AM	LT1	LT1
8/11/2020 8:30:00 AM	LT1	LT1
8/18/2020 8:30:00 AM	LT1	LT1
8/24/2020 9:00:00 AM	LT1	LT1
8/31/2020 9:00:00 AM	LT1	LT1
9/8/2020 8:30:00 AM	LT1	LT1
9/15/2020 8:50:00 AM	LT1	LT1

9/21/2020 9:50:00 AM	LT1	LT1
9/28/2020 9:00:00 AM	LT1	LT1
10/5/2020 9:00:00 AM	LT1	LT1
10/13/2020 9:00:00 AM	LT1	LT1
10/19/2020 9:50:00 AM	LT1	LT1
10/26/2020 9:00:00 AM	LT1	LT1
11/2/2020 9:00:00 AM	LT1	LT1
11/9/2020 9:40:00 AM	LT1	LT1
11/17/2020 9:00:00 AM	LT1	LT1
11/23/2020 8:50:00 AM	LT1	LT1
12/1/2020 9:00:00 AM	LT1	LT1
12/7/2020 9:00:00 AM	LT1	LT1
12/15/2020 9:40:00 AM	<u>QRWRT</u>	<u>QRWRT</u>
<b>Total Positive :</b>	<b>0</b>	<b>0</b>

Pemberton Ridge  
Pumphouse.  
Pemberton

1/6/2020	L1	L1
1/13/2020	L1	L1
1/21/2020	L1	L1
1/28/2020 8:40:00 AM	LT1	LT1
2/4/2020 8:40:00 AM	LT1	LT1
2/11/2020 8:40:00 AM	LT1	LT1
2/18/2020 8:20:00 AM	LT1	LT1
2/24/2020 8:40:00 AM	LT1	LT1
3/2/2020 8:40:00 AM	LT1	LT1
3/9/2020 8:40:00 AM	LT1	LT1
3/24/2020 8:40:00 AM	LT1	LT1
3/30/2020 8:40:00 AM	LT1	LT1
4/7/2020 8:40:00 AM	LT1	LT1
4/14/2020 9:40:00 AM	LT1	LT1
4/21/2020 8:40:00 AM	LT1	LT1

4/27/2020 8:40:00 AM	LT1	LT1
5/4/2020 8:40:00 AM	LT1	LT1
5/11/2020 9:40:00 AM	LT1	LT1
5/19/2020 8:40:00 AM	QRWRT	QRWRT
5/25/2020 8:40:00 AM	LT1	LT1
6/1/2020 8:40:00 AM	LT1	LT1
6/9/2020 8:40:00 AM	LT1	LT1
6/15/2020 8:40:00 AM	LT1	LT1
6/22/2020 8:40:00 AM	LT1	LT1
6/29/2020 8:40:00 AM	LT1	LT1
7/7/2020 8:40:00 AM	LT1	LT1
7/13/2020 8:40:00 AM	LT1	LT1
7/20/2020 8:40:00 AM	LT1	LT1
7/27/2020 8:40:00 AM	LT1	LT1
8/4/2020 8:40:00 AM	LT1	LT1
8/11/2020 8:10:00 AM	LT1	LT1
8/18/2020 8:10:00 AM	LT1	LT1
8/24/2020 8:40:00 AM	LT1	LT1
8/31/2020 8:40:00 AM	LT1	LT1
9/8/2020 8:10:00 AM	LT1	LT1
9/15/2020 8:40:00 AM	LT1	LT1
9/21/2020 8:40:00 AM	LT1	LT1
9/28/2020 8:10:00 AM	LT1	LT1
10/5/2020 8:40:00 AM	LT1	LT1
10/13/2020 8:40:00 AM	LT1	LT1
10/19/2020 8:40:00 AM	LT1	LT1
10/26/2020 8:40:00 AM	LT1	LT1
11/2/2020 8:40:00 AM	LT1	LT1
11/9/2020 8:40:00 AM	LT1	LT1
11/17/2020 8:40:00 AM	LT1	LT1
11/23/2020 8:40:00	LT1	LT1

AM		
12/1/2020 8:40:00	LT1	LT1
AM		
12/7/2020 8:40:00	LT1	LT1
AM		
12/15/2020 9:30:00	<u>QRWRT</u>	<u>QRWRT</u>
AM		
<b>Total Positive :</b>	<b>0</b>	<b>0</b>

**Result Values:**                      **E - estimated**                      **L - less than**                      **G - greater than**

Samples that contain total coliform:	0	0.00% of total
Samples that contain e. coli:	0	0.00% of total
Samples that contain fecal coliform:	0	0.00% of total
Number of consecutive samples that contain total coliform:	0	
Number of samples that contain total coliform in last 30 days:	0/0	
Total number of samples:	252	

**Comments:**

\_\_\_\_\_  
Environmental Health Officer  
Apr 15 2021

FOR FURTHER INFORMATION PLEASE CALL: Dan Glover (604) 892-2293



## Sample Range Report

Vancouver Coastal Health

**Facility Name:** Pemberton North Water System

**Date Range:** Jan 1 2020 to Dec 31 2020

**Operator** Utilities Department-SLRD  
P.O. Box 219  
Pemberton, BC V0N 2L0

Sampling Site	Date Collected	Total Coliform	E. Coli	Fecal Coliform
<u>1428 Pemberton</u>				
<u>Farm Road,</u>				
<u>Adjacent to 1428</u>				
<u>Pemberton Farm</u>				
<u>Road</u>				
	1/6/2020	L1	L1	
	1/28/2020 9:30:00 AM	LT1	LT1	
	2/24/2020 9:40:00 AM	LT1	LT1	
	3/2/2020 9:10:00 AM	LT1	LT1	
	3/13/2020 9:40:00 AM	LT1	LT1	
	4/21/2020 9:40:00 AM	LT1	LT1	
	4/27/2020 9:50:00 AM	LT1	LT1	
	5/4/2020 9:50:00 AM	LT1	LT1	
	5/12/2020 9:40:00 AM	LT1	LT1	
	5/25/2020 9:30:00 AM	LT1	LT1	
	6/1/2020 9:50:00 AM	LT1	LT1	
	6/9/2020 9:50:00 AM	LT1	LT1	
	6/15/2020 9:50:00 AM	LT1	LT1	
	6/22/2020 9:40:00 AM	LT1	LT1	
	6/29/2020 9:40:00 AM	LT1	LT1	
	7/7/2020 9:40:00 AM	LT1	LT1	
	7/13/2020 9:50:00 AM	LT1	LT1	
	7/20/2020 9:50:00 AM	LT1	LT1	
	7/27/2020 9:40:00 AM	LT1	LT1	
	8/4/2020 10:30:00 AM	LT1	LT1	
	8/11/2020 9:30:00 AM	LT1	LT1	

8/18/2020 9:20:00 AM	LT1	LT1
8/24/2020 9:50:00 AM	LT1	LT1
8/31/2020 9:50:00 AM	LT1	LT1
9/8/2020 9:20:00 AM	LT1	LT1
9/15/2020 9:40:00 AM	LT1	LT1
9/21/2020 9:50:00 AM	LT1	LT1
9/28/2020 9:50:00 AM	LT1	LT1
10/5/2020 9:50:00 AM	LT1	LT1
10/13/2020 9:50:00 AM	LT1	LT1
10/19/2020 9:50:00 AM	LT1	LT1
11/2/2020 9:50:00 AM	LT1	LT1
11/18/2020 9:20:00 AM	LT1	LT1
11/23/2020 9:40:00 AM	LT1	LT1
12/1/2020 9:50:00 AM	LT1	LT1
12/7/2020 9:50:00 AM	LT1	LT1
12/16/2020 9:20:00 AM	<u>LT1</u>	<u>LT1</u>
<b>Total Positive :</b>	<b>0</b>	<b>0</b>

7493 Urdal Road.  
Adjacent to 7493  
Urdal Road

5/25/2020 9:40:00 AM	LT1	LT1
6/1/2020 10:00:00 AM	LT1	LT1
6/9/2020 10:50:00 AM	LT1	LT1
6/15/2020 10:00:00 AM	LT1	LT1
6/22/2020 9:00:00 AM	LT1	LT1
6/29/2020 9:50:00 AM	LT1	LT1
7/7/2020 9:50:00 AM	LT1	LT1
7/13/2020 10:00:00 AM	LT1	LT1
7/20/2020 10:00:00 AM	LT1	LT1
7/27/2020 9:50:00	LT1	LT1

AM		
8/4/2020 9:50:00 AM	LT1	LT1
8/11/2020 9:40:00	LT1	LT1
AM		
8/18/2020 9:30:00	LT1	LT1
AM		
8/24/2020 10:00:00	LT1	LT1
AM		
8/31/2020 10:30:00	LT1	LT1
AM		
9/8/2020 9:30:00 AM	LT1	LT1
9/15/2020 9:50:00	LT1	LT1
AM		
9/21/2020 10:00:00	LT1	LT1
AM		
9/28/2020 10:00:00	LT1	LT1
AM		
10/5/2020 10:00:00	LT1	LT1
AM		
10/19/2020 10:00:00	LT1	LT1
AM		
11/2/2020 10:00:00	LT1	LT1
AM		
11/23/2020 9:50:00	LT1	LT1
AM		
12/7/2020 10:00:00	LT1	LT1
AM		
12/16/2020 9:30:00	<u>LT1</u>	<u>LT1</u>
AM		
<b>Total Positive :</b>	<b>0</b>	<b>0</b>

7620 Pemberton  
Meadows Rd.  
Opposite 7620  
Pemberton  
Meadows Rd

1/6/2020	L1	L1
3/2/2020 9:30:00 AM	LT1	LT1
3/24/2020 9:30:00	LT1	LT1
AM		
3/30/2020 9:40:00	LT1	LT1
AM		
4/7/2020 9:30:00 AM	LT1	LT1
4/14/2020 10:30:00	LT1	LT1
AM		
4/21/2020 9:30:00	LT1	LT1
AM		
4/27/2020 3:20:00	LT1	LT1
PM		
5/4/2020 9:20:00 AM	LT1	LT1
5/12/2020 9:30:00	LT1	LT1
AM		
5/25/2020 9:20:00	LT1	LT1
AM		

6/1/2020 9:40:00 AM	LT1	LT1
6/9/2020 9:40:00 AM	LT1	LT1
6/15/2020 9:40:00 AM	LT1	LT1
6/22/2020 9:30:00 AM	LT1	LT1
6/29/2020 9:30:00 AM	LT1	LT1
7/7/2020 9:30:00 AM	LT1	LT1
7/13/2020 9:40:00 AM	LT1	LT1
7/20/2020 9:40:00 AM	LT1	LT1
7/27/2020 9:30:00 AM	LT1	LT1
8/4/2020 9:40:00 AM	LT1	LT1
8/11/2020 9:20:00 AM	LT1	LT1
8/18/2020 9:10:00 AM	LT1	LT1
8/24/2020 9:40:00 AM	LT1	LT1
8/31/2020 9:40:00 AM	LT1	LT1
9/8/2020 9:10:00 AM	LT1	LT1
9/15/2020 9:30:00 AM	LT1	LT1
9/21/2020 9:40:00 AM	LT1	LT1
9/28/2020 9:40:00 AM	LT1	LT1
10/5/2020 9:40:00 AM	LT1	LT1
10/13/2020 9:40:00 AM	LT1	LT1
10/19/2020 9:40:00 AM	LT1	LT1
11/2/2020 9:40:00 AM	LT1	LT1
11/18/2020 9:10:00 AM	LT1	LT1
11/23/2020 9:30:00 AM	LT1	LT1
12/1/2020 9:40:00 AM	LT1	LT1
12/7/2020 9:40:00 AM	LT1	LT1
12/16/2020 9:10:00 AM	<u>LT1</u>	<u>LT1</u>
<b>Total Positive :</b>	<b>0</b>	<b>0</b>

400-m South of  
Collins Road, 400-m  
South of Collins

Road

1/6/2020	L1	L1
1/28/2020 9:20:00 AM	LT1	LT1
2/24/2020 9:20:00 AM	LT1	LT1
3/2/2020 9:20:00 AM	LT1	LT1
3/9/2020 9:30:00 AM	LT1	LT1
3/24/2020 9:20:00 AM	LT1	LT1
3/30/2020 9:30:00 AM	LT1	LT1
4/21/2020 9:20:00 AM	LT1	LT1
4/27/2020 9:30:00 AM	LT1	LT1
5/4/2020 9:30:00 AM	LT1	LT1
5/25/2020 9:10:00 AM	LT1	LT1
6/1/2020 9:30:00 AM	LT1	LT1
6/9/2020 9:30:00 AM	LT1	LT1
6/15/2020 9:30:00 AM	LT1	LT1
6/22/2020 9:20:00 AM	LT1	LT1
6/29/2020 9:20:00 AM	LT1	LT1
7/7/2020 9:20:00 AM	LT1	LT1
7/13/2020 9:30:00 AM	LT1	LT1
7/20/2020 9:30:00 AM	LT1	LT1
7/27/2020 9:20:00 AM	LT1	LT1
8/4/2020 9:30:00 AM	LT1	LT1
8/11/2020 9:10:00 AM	LT1	LT1
8/18/2020 9:00:00 AM	LT1	LT1
8/24/2020 9:30:00 AM	LT1	LT1
8/31/2020 9:30:00 AM	LT1	LT1
9/8/2020 9:00:00 AM	LT1	LT1
9/15/2020 9:20:00 AM	LT1	LT1
9/21/2020 9:30:00 AM	LT1	LT1
9/28/2020 9:30:00 AM	LT1	LT1
10/5/2020 9:30:00 AM	LT1	LT1
10/13/2020 9:30:00 AM	LT1	LT1
10/19/2020 9:30:00	LT1	LT1

AM		
11/2/2020 9:30:00	LT1	LT1
AM		
11/18/2020 9:00:00	LT1	LT1
AM		
11/23/2020 9:20:00	LT1	LT1
AM		
12/1/2020 9:30:00	LT1	LT1
AM		
12/7/2020 9:30:00	LT1	LT1
AM		
12/16/2020 9:00:00	<u>LT1</u>	<u>LT1</u>
AM		
<b>Total Positive :</b>	<b>0</b>	<b>0</b>

**Result Values:**                      **E - estimated**                      **L - less than**                      **G - greater than**

Samples that contain total coliform:	0	0.00% of total
Samples that contain e. coli:	0	0.00% of total
Samples that contain fecal coliform:	0	0.00% of total
Number of consecutive samples that contain total coliform:	0	
Number of samples that contain total coliform in last 30 days:	0/0	
Total number of samples:	138	

**Comments:**

\_\_\_\_\_  
Environmental Health Officer  
Apr 22 2021

FOR FURTHER INFORMATION PLEASE CALL: Dan Glover (604) 892-2293

## Sample Range Report

Vancouver Coastal Health

**Facility Name:** Pemberton Industrial Park Water System

**Date Range:** Jan 1 2020 to Dec 31 2020

**Operator** Jeff Westlake  
Attn: Jeff Westlake Box 100  
Pemberton, BC V0N 2L0

Sampling Site	Date Collected	Total Coliform	E. Coli	Fecal Coliform
<u>Yard Hydrant,</u>				
<u>Pemberton Industrial</u>				
<u>Park</u>				
	1/6/2020	L1	L1	
	1/13/2020	L1	L1	
	1/21/2020	L1	L1	
	1/28/2020 8:50:00 AM	LT1	LT1	
	2/4/2020 8:50:00 AM	LT1	LT1	
	2/11/2020 8:50:00 AM	LT1	LT1	
	2/18/2020 8:50:00 AM	LT1	LT1	
	2/24/2020 8:50:00 AM	LT1	LT1	
	3/30/2020 8:50:00 AM	LT1	LT1	
	4/7/2020 8:50:00 AM	LT1	LT1	
	4/14/2020 9:50:00 AM	LT1	LT1	
	4/22/2020 10:00:00 AM	LT1	LT1	
	4/27/2020 8:50:00 AM	LT1	LT1	
	5/4/2020 8:50:00 AM	LT1	LT1	
	5/25/2020 8:50:00 AM	LT1	LT1	
	6/1/2020 8:50:00 AM	LT1	LT1	
	6/9/2020 8:50:00 AM	LT1	LT1	
	6/15/2020 8:00:00 AM	LT1	LT1	
	6/22/2020 10:30:00 AM	LT1	LT1	
	6/29/2020 8:50:00 AM	LT1	LT1	
	7/7/2020 8:50:00 AM	LT1	LT1	
	7/13/2020 8:50:00 AM	LT1	LT1	
	7/20/2020 8:50:00 AM	LT1	LT1	
	7/27/2020 10:30:00	LT1	LT1	

AM		
8/4/2020 8:50:00 AM	LT1	LT1
8/11/2020 8:20:00	LT1	LT1
AM		
8/18/2020 8:20:00	LT1	LT1
AM		
8/24/2020 8:50:00	LT1	LT1
AM		
11/24/2020 10:00:00	LT1	LT1
AM		
12/1/2020 8:50:00	LT1	LT1
AM		
12/7/2020 8:50:00	LT1	LT1
AM		
12/14/2020 8:40:00	<u>LT1</u>	<u>LT1</u>
AM		
<b>Total Positive :</b>	<b>0</b>	<b>0</b>

Sample Station at  
Meter Chamber,  
Pemberton Industrial  
Park

3/2/2020 8:50:00 AM	LT1	LT1
3/9/2020 8:50:00 AM	LT1	LT1
3/25/2020 10:30:00	LT1	LT1
AM		
8/31/2020 8:50:00	LT1	LT1
AM		
9/8/2020 8:20:00 AM	LT1	LT1
9/16/2020 9:30:00	LT1	LT1
AM		
9/21/2020 8:50:00	LT1	LT1
AM		
9/28/2020 8:50:00	LT1	LT1
AM		
10/5/2020 8:50:00	LT1	LT1
AM		
10/13/2020 8:50:00	LT1	LT1
AM		
10/19/2020 8:50:00	LT1	LT1
AM		
10/26/2020 8:50:00	LT1	LT1
AM		
11/2/2020 8:50:00	LT1	LT1
AM		
11/9/2020 8:50:00	LT1	LT1
AM		
11/17/2020 8:50:00	<u>LT1</u>	<u>LT1</u>
AM		
<b>Total Positive :</b>	<b>0</b>	<b>0</b>

**Result Values:**

**E - estimated**

**L - less than**

**G - greater than**

Samples that contain total coliform:	0	0.00% of total
Samples that contain e. coli:	0	0.00% of total



Samples that contain fecal coliform:	0	0.00% of total
Number of consecutive samples that contain total coliform:	0	
Number of samples that contain total coliform in last 30 days:	0/0	
Total number of samples:	47	

**Comments:**

\_\_\_\_\_  
Environmental Health Officer

Apr 22 2021

FOR FURTHER INFORMATION PLEASE CALL: Dan Glover (604) 892-2293