

Drinking Water Quality Report 2024



City of
Pitt Meadows
THE *Natural* PLACE



DRINKING WATER QUALITY REPORT 2024

Table of Contents

1.0 EXECUTIVE SUMMARY

2.0 INTRODUCTION

3.0 BACKGROUND

3.1 REGULATING AUTHORITIES

3.2 DISTRIBUTION SYSTEM

4.0 WATER QUALITY SAMPLE SITES

4.1 BACTERIOLOGICAL MONITORING

4.2 CHEMICAL & PHYSICAL MONITORING

4.3 CHLORINE RESIDUAL LEVELS

5.0 EMERGENCY RESPONSE PLAN

6.0 WATER FLUSHING MESSAGE FROM THE FHR

APPENDIX – 1	ACCEPTABLE CHLORINE LEVELS AND SAMPLE SITE LOCATIONS
APPENDIX – 2	WEEKLY SAMPLE GREATER VANCOUVER WATER DISTRICT LAB RESULTS
APPENDIX – 3	QUARTERLY METALS ANALYSIS RESULTS FROM GREATER VANCOUVER WATER DISTRICT LAB
APPENDIX – 4	BACTERIOLOGICAL ANALYSIS OF POTABLE WATER SAMPLES
APPENDIX – 5	WEEKLY SAMPLE RESULTS – GREATER VANCOUVER WATER DISTRICT SAMPLE STATION GVS-012 IN PORT MOODY
APPENDIX – 6	SOURCE WATER QUALITIES – COQUITLAM WATERSHED
APPENDIX – 7	PHYSICAL AND CHEMICAL ANALYSIS – COQUITLAM, SEYMOUR AND CAPILANO WATERSHEDS
APPENDIX – 8	OPERATING PERMIT

I.0 EXECUTIVE SUMMARY

The City of Pitt Meadows holds a permit to operate its water utility from the Fraser Health Authority (FHA). In 2024, the City's was primarily supplied by the Coquitlam watershed and treated by the Greater Vancouver Water District (GVWD).

The City's operations department, in accordance with the requirements of the *Drinking Water Protection Act* and the *Drinking Water Protection Regulation*, takes weekly water samples from nine sample stations. The samples were sent to the GVWD laboratory for testing. The results were returned to the City on a weekly basis as documented in this annual public report (Appendix 2).

The Drinking Water Protection Regulation sets requirements for drinking water quality to ensure compliance with established standards and protect public health.

In 2024, the City of Pitt Meadows' water system complied with all regulatory drinking water quality requirements outlined in the BC Drinking Water Protection Act and met all water quality objectives recommended by Health Canada:

- 41 chlorine residual tests fell below the recommended level of 0.2 ppm.
- No samples tested positive for E. coli.
- 100% of the samples had 0 Total Coliform per 100 mL.
- Average THM was 30 ppb with a guideline limit of 100 ppb
- Average HAA was 20 ppb with a guideline limit of 80 ppb

2.0 INTRODUCTIONS

This is the City of Pitt Meadows (PM) annual Drinking Water Quality Report for 2024. It is prepared for the Fraser Health Authority (FHA) as well as for public information.

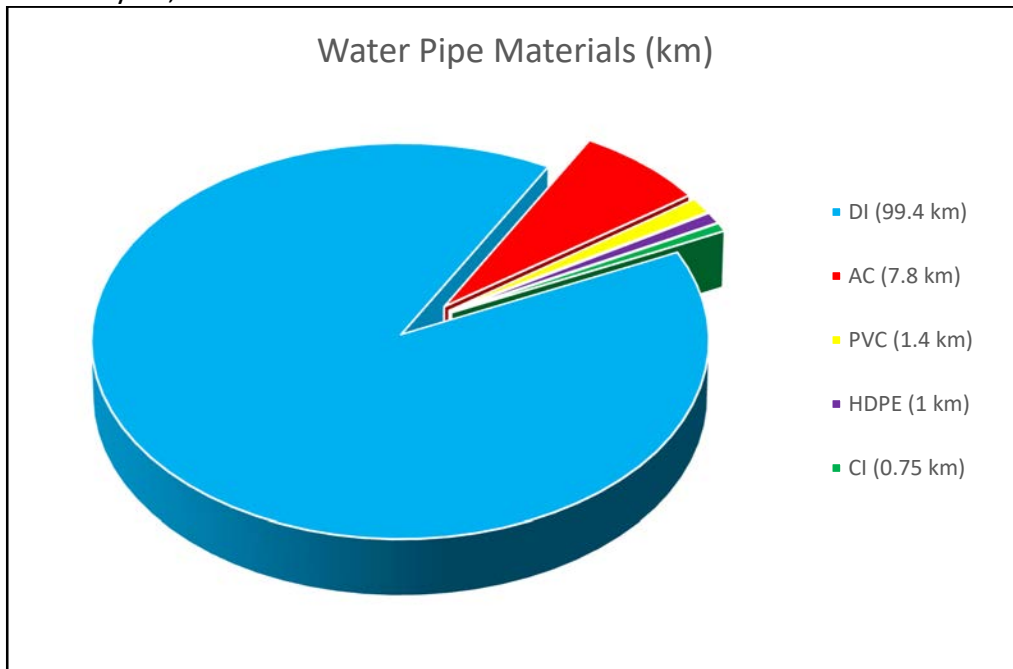
3.0 BACKGROUND

3.1 Regulating Authorities

PM holds a permit to operate its water distribution network from the Fraser Health Authority (FHA) (Appendix 8) and adheres to the provisions of the Local Government Act. Water quality requirements are legislated by the *Drinking Water Protection Act (DWPA)* and *Drinking Water Protection Regulation (DWPR)*. The drinking water officer may also issue orders for non-compliance and/or health concerns. The water distribution system is classified as a Class II system by the Environmental Operators Certification Program (EOCP).

3.2 Distribution System

PM's water distribution network is over 111 kilometers long and serves a population of approximately 19,000 residents.



Water Supply

The City's primary water supply comes from the Coquitlam watershed, where ozone and UV treatment disinfects the water, then chlorine provides secondary treatment. Alternatively, the Greater Vancouver Water District (GVWD) can supply PM from the other two watershed sources (Capilano & Seymour) via the Seymour Capilano Filtration Plant. Haney Mains 2 and 3 deliver water to the city through six (6) Pressure Reducing Valve stations (PRV). Before water enters the municipal distribution system, the GVWD's Pitt River re-chlorination station boosts the chlorine residual in both Maney mains.

Maintenance

The city conducted unidirectional flushing of the water mains using valve isolation. Some dead-end lines were flushed a second time in the fall to ensure water quality. To ensure the presence of chlorine residual at the end of Rannie Road (PMS245), an automatic flush valve engages for 2 hours three times per day. The flush water was dechlorinated using Sodium thiosulphate before it entered the environment.

To improve effectiveness, revisions to the unidirectional flushing program were implemented. These improvements were done with the aid of computer modeling and previous year's feedback.

All City owned backflow devices and assemblies were tested and repaired as required by a certified tester.

All components of the six PRV stations and single booster station were regularly maintained to ensure proper operation. This maintenance included the cleaning of inline and body strainers, function of Cla-val control valves, pressure relief valves, and air valves.

The city exercises and maintains the distribution system's 988 mainline and service valves as necessary.

4.0 WATER QUALITY SAMPLE SITES

The City has 9 sampling sites that are sampled weekly. Their locations and attributes are listed in table 1 and shown on the map in Appendix 1. All 9 sample sites are tested for physical parameters and 4 are tested for chemicals in one distribution zone.

Table 1: Sample Location and Attributes

Sample Site	Location	Main Size (mm)	Normal Flow
DmPMS-421	12188 McMyn Ave	150 DI	Low
DmPMS-422	19817 Wildwood Place	150 DI	Low
DmPMS-423	12476 Wooldridge Road	250 DI	Medium
DmPMS-424	20217 McNeil Road	250 DI	Medium
DmPMS-425	16651 Rannie Road	150 DI	Low
DmPMS-426	13657 McKechnie Road	150 DI	Medium
DmPMS-427	120B Ave Opposite 18993	150 AC	Low
DmPMS-428	100 meters west of Old Dewdney Trunk Rd PRV	300 DI	Source
DmPMS-429	Northwest corner of Sutton and Bonson	300 DI	Low

The City's Operations Division takes samples weekly on Tuesday. The Samples are picked up by, or delivered to the GVWD for testing. The results are then returned to the City for review. The detailed 2024 results are in Appendix 2.

4.1 Bacteriological Monitoring

Samples are analyzed for fecal coliform, total coliform and heterotrophic plate count (HPC). BCDWPR Microbiological Standards are listed in Table 2.

Table 2: BCDWPR Microbiological Standards

Parameter	Occurrence	Standard
Fecal Coliform	0	Less than 1 fecal coliform per 100 mL
Total Coliform	0	0 total coliform per 100 mL At least 90% of samples have 0 total coliform per 100 mL and no sample has more than 10 fecal coliform per 100 mL

Bacteriological Results

Appendix 4 illustrates the bacteriological requirements that were met in 2024.

4.2 Chemical and Physical Monitoring

Monitoring and sampling from the City’s distribution system is conducted by the City of Pitt Meadows Operations Department. The temperature and initial chlorine residual are tested at the time of sample collection. The samples are then sent to be tested for turbidity, pH, Haloacetic Acid (HAA), and other chemical properties by the GVWD. Monitoring and testing of the source water is conducted by the GVWD.

Water temperatures were within acceptable limits, having occasional exceedances occurring during the summer months. These elevated temperatures ranged from 16 to 18 degrees Celsius. Water temperature may influence the effectiveness of treatment processes, lower temperatures reduce treatment efficiency, while higher temperatures can promote the growth of nuisance organisms, which may be noticeable through changes in taste and odor.

Total HAA levels, which result from chlorine breaking down and reacting with naturally occurring organic matter during the disinfection process, remained within allowable limits. Source water quality and improvement plans are established by the GVWD and outlined in the GVWD Quality Control Annual Report, 2024. They are provided in Appendix 6 and 7.

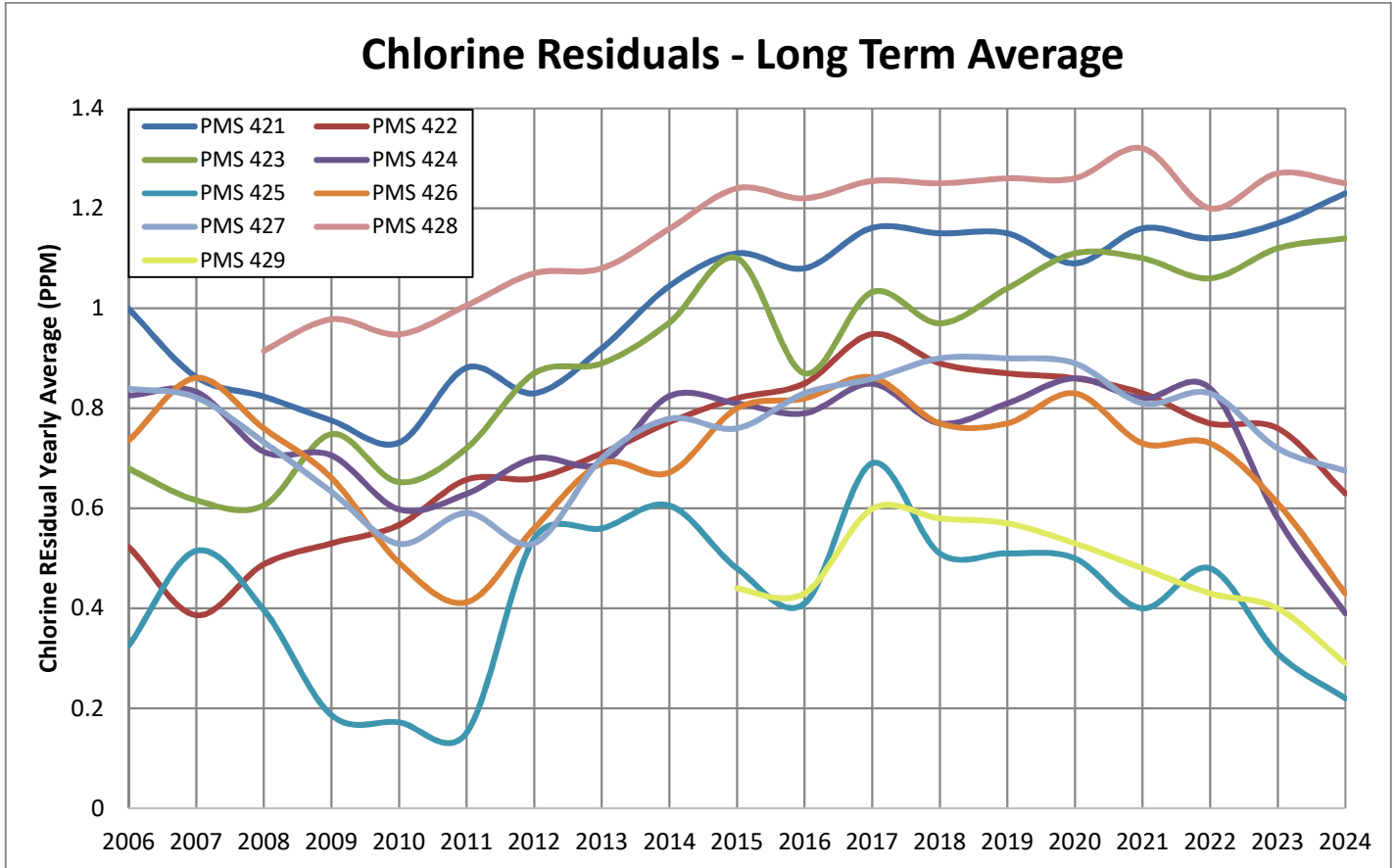
4.3 Chlorine Residual Levels

Table 4: Chlorine Levels at Each Sample Site in 2017

Sample Site	Number of Samples Taken	Number of Samples with <0.2ppm Chlorine Residual	Percent of Samples with <0.2ppm Chlorine Residual
DmPMS-421	52	0	0%
DmPMS-422	52	0	0%
DmPMS-423	52	1	2%
DmPMS-424	52	1	2%
DmPMS-425	52	23	44%
DmPMS-426	51	9	18%
DmPMS-427	52	0	0%
DmPMS-428	52	0	0%
DmPMS-429	52	7	13%

Chlorine Residual History

The following graph illustrates the long term yearly average chlorine Residuals in Pitt Meadows.



5.0 EMERGENCY RESPONSE PLAN

The City of Pitt Meadows *Water Response Plan* is a document that contains detailed information for all stakeholders in the event of an emergency related to the City's water distribution system.

The plan has been developed to ensure the safe and effective delivery of water is maintained and lessen the impacts of emergency situations.

6.0 WATER FLUSHING MESSAGE FROM FRASER HEALTH

A public health message from the Fraser Health Authority



Anytime the water in a particular faucet has not been used for six hours or longer, "flush" your cold-water pipes by running the water until you notice a change in temperature. (This could take as little as five to thirty seconds if there has been recent heavy water use such as showering or toilet flushing. Otherwise, it could take two minutes or longer.) The more time water has been sitting in your home's pipes, the more lead it may contain.

Use only water from the cold-tap for drinking, cooking, and especially making baby formula. Hot water is likely to contain higher levels of lead.

The two actions recommended above are very important to the health of your family. They will probably be effective in reducing lead levels because most of the lead in household water usually comes from the plumbing in your house, not from the local water supply.




Conserving water is still important. Rather than just running the water down the drain you could use the water for things such as watering your plants.

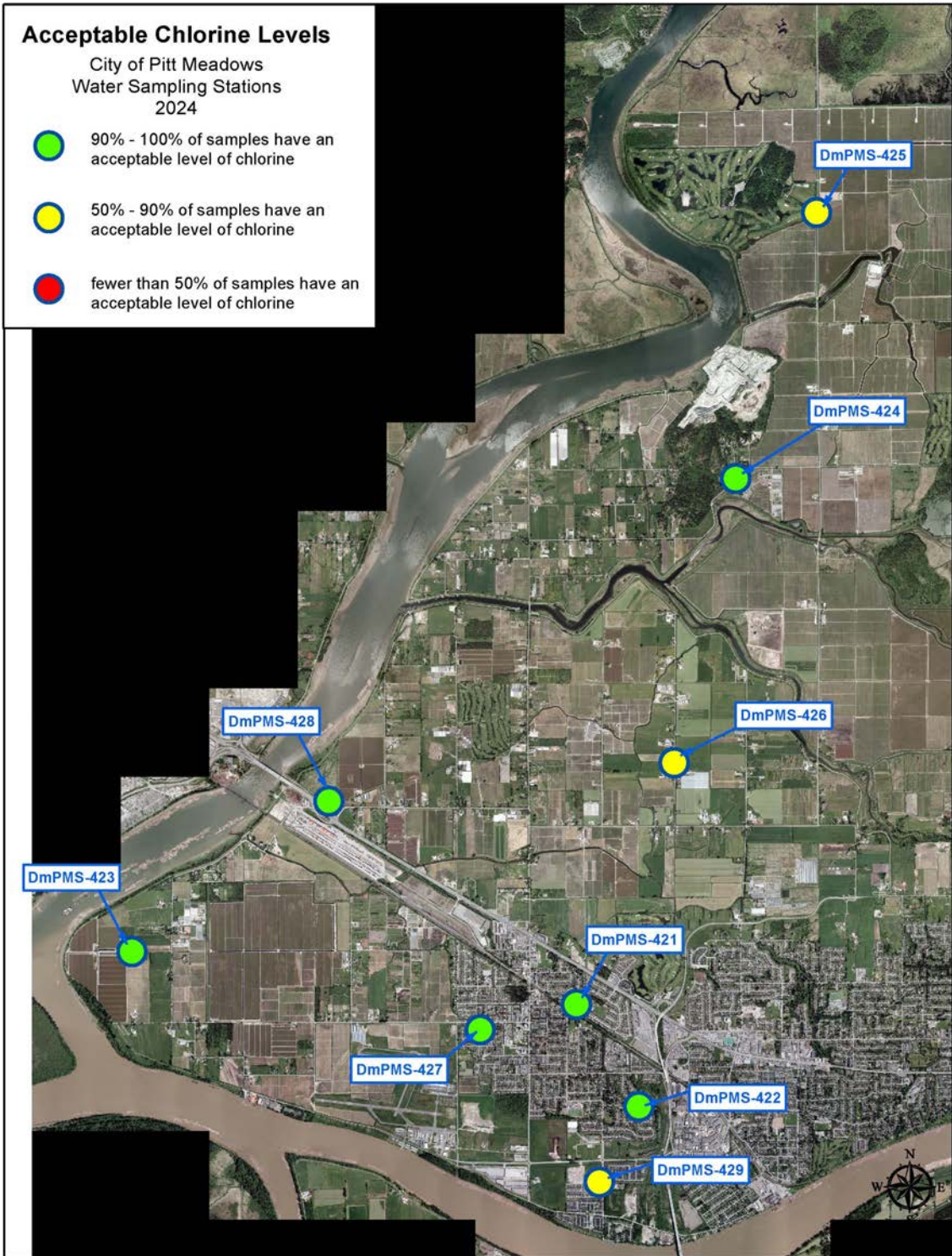
APPENDIX – I

**ACCEPTABLE CHLORINE LEVELS AND
SAMPLE SITE LOCATIONS**

Acceptable Chlorine Levels

City of Pitt Meadows
Water Sampling Stations
2024

-  90% - 100% of samples have an acceptable level of chlorine
-  50% - 90% of samples have an acceptable level of chlorine
-  fewer than 50% of samples have an acceptable level of chlorine



APPENDIX – 2

**WEEKLY SAMPLE GREATER VANCOUVER WATER DISTRICT
LAB RESULTS
DMPMS 421 – 429**

PMS-421

Sampled date	Chlorine Free mg/L	E.coli MF/100 mLs	HPC CFU/mLs	Temp °C	Total Coliform MF/100mLs	Turbidity NTU
Jan 02, 2024 9:05:00 AM	1.22	<1	6	10	<1	0.44
Jan 09, 2024 9:10:00 AM	1.75	<1	10	7	<1	0.61
Jan 23, 2024 9:55:00 AM	1	<1	4	8	<1	0.67
Jan 30, 2024 8:08:00 AM	1.63	<1	<2	9	<1	0.82
Feb 06, 2024 9:41:00 AM	1.31	<1	2	9	<1	0.52
Feb 13, 2024 8:00:00 AM	1.31	<1	<2	7	<1	0.63
Feb 20, 2024 8:55:00 AM	1.27	<1	<2	9	<1	0.31
Feb 27, 2024 10:25:00 AM	1.2	<1	<2	8	<1	0.44
Mar 05, 2024 9:04:00 AM	1.1	<1	2	6	<1	0.43
Mar 12, 2024 8:56:00 AM	1.11	<1	8	7	<1	0.35
Mar 19, 2024 9:30:00 AM	1.15	<1	<2	8	<1	0.53
Mar 26, 2024 8:00:00 AM	1.18	<1	2	9	<1	0.28
Apr 02, 2024 9:10:00 AM	1.27	<1	4	10	<1	0.31
Apr 09, 2024 8:05:00 AM	1.08	<1	10	8	<1	0.32
Apr 16, 2024 8:55:00 AM	1.17	<1	2	10	<1	0.26
Apr 23, 2024 9:30:00 AM	1.52	<1	<2	10	<1	0.36
Apr 30, 2024 9:51:00 AM	1.39	<1	10	10	<1	0.26
May 07, 2024 7:55:00 AM	1.2	<1	4	8	<1	0.36
May 14, 2024 8:05:00 AM	1.29	<1	8	9	<1	0.32
May 21, 2024 8:22:00 AM	1.35	<1	12	12	<1	0.28
May 28, 2024 8:00:00 AM	1.23	<1	44	11	<1	0.38
Jun 04, 2024 7:55:00 AM	1.13	<1	88	10	<1	0.33
Jun 11, 2024 8:25:00 AM	1.19	<1	20	13	<1	0.34
Jun 18, 2024 7:55:00 AM	1.16	<1	12	12	<1	0.35
Jun 25, 2024 9:00:00 AM	1.02	<1	14	13	<1	0.35
Jul 02, 2024 9:06:00 AM	1.07	<1	16	14	<1	0.24
Jul 09, 2024 9:16:00 AM	1.08	<1	14	14	<1	0.27
Jul 16, 2024 9:23:00 AM	0.98	<1	14	15	<1	0.25
Jul 23, 2024 8:22:00 AM	1.08	<1	20	15	<1	0.23
Jul 30, 2024 9:13:00 AM	1.23	<1	24	15	<1	0.19
Aug 06, 2024 10:18:00 AM	1.1	<1	12	15	<1	0.19
Aug 13, 2024 8:45:00 AM	1.18	<1	20	15	<1	0.21
Aug 20, 2024 9:32:00 AM	1.13	<1	2	15	<1	0.21

Sampled date	Chlorine Free mg/L	E.coli MF/100 mLs	HPC CFU/mLs	Temp °C	Total Coliform MF/100mLs	Turbidity NTU
Aug 27, 2024 9:37:00 AM	1.1	<1	10	15	<1	0.17
Sep 03, 2024 9:27:00 AM	1.03	<1	20	15	<1	0.21
Sep 10, 2024 9:40:00 AM	1.07	<1	20	15	<1	0.19
Sep 17, 2024 9:25:00 AM	1.04	<1	2	16	<1	0.21
Sep 24, 2024 10:27:00 AM	1.07	<1	6	15	<1	0.25
Oct 01, 2024 9:59:00 AM	0.95	<1	6	14	<1	0.24
Oct 08, 2024 9:21:00 AM	1.11	<1	26	15	<1	0.33
Oct 15, 2024 11:15:00 AM	1.02	<1	10	14	<1	0.35
Oct 22, 2024 11:11:00 AM	1.71	<1	4	14	<1	4.4
Oct 29, 2024 10:09:00 AM	1.79	<1	10	12	<1	1.7
Nov 05, 2024 10:45:00 AM	1.48	<1	<2	11	<1	2.7
Nov 12, 2024 8:45:00 AM	1.53	<1	2	10	<1	0.84
Nov 19, 2024 9:50:00 AM	1.28	<1	4	10	<1	0.62
Nov 26, 2024 8:40:00 AM	0.93	<1	24	9	<1	0.46
Dec 03, 2024 9:15:00 AM	1.34	<1	2	10	<1	0.44
Dec 11, 2024 9:10:00 AM	1.23	<1	6	9	<1	0.46
Dec 17, 2024 7:55:00 AM	1.6	<1	2	6	<1	0.29
Dec 23, 2024 9:15:00 AM	1.85	<1	NA	7	<1	0.49
Dec 30, 2024 8:25:00 AM	1.12	<1	NA	7	<1	0.39

PMS-422

Sampled date	Chlorine Free mg/L	E.coli MF/100 mLs	HPC CFU/mLs	Temp °C	Total Coliform MF/100mLs	Turbidity NTU
Jan 02, 2024 8:10:00 AM	0.56	<1	<2	10	<1	0.45
Jan 09, 2024 8:15:00 AM	1.07	<1	2	8	<1	0.52
Jan 23, 2024 7:56:00 AM	0.68	<1	<2	8	<1	0.49
Jan 30, 2024 7:40:00 AM	0.82	<1	1600	8	<1	0.6
Feb 06, 2024 8:09:00 AM	0.79	<1	<2	9	<1	0.41
Feb 13, 2024 7:40:00 AM	0.53	<1	<2	8	<1	0.51
Feb 20, 2024 7:50:00 AM	0.69	<1	<2	9	<1	0.36
Feb 27, 2024 7:30:00 AM	0.55	<1	2	8	<1	0.38
Mar 05, 2024 7:58:00 AM	0.71	<1	2	7	<1	0.37
Mar 12, 2024 7:40:00 AM	0.66	<1	<2	8	<1	0.33
Mar 19, 2024 9:15:00 AM	0.75	<1	<2	9	<1	0.48
Mar 26, 2024 7:45:00 AM	0.63	<1	<2	10	<1	0.31
Apr 02, 2024 7:47:00 AM	0.74	<1	<2	10	<1	0.29
Apr 09, 2024 7:50:00 AM	0.62	<1	<2	10	<1	0.3
Apr 16, 2024 7:51:00 AM	0.76	<1	2	10	<1	0.26
Apr 23, 2024 7:43:00 AM	0.76	<1	6	10	<1	0.67
Apr 30, 2024 7:55:00 AM	1.04	<1	<2	10	<1	0.23
May 07, 2024 7:40:00 AM	0.75	<1	2	10	<1	0.24
May 14, 2024 7:50:00 AM	0.79	<1	<2	11	<1	0.24
May 21, 2024 7:55:00 AM	0.84	<1	2	12	<1	0.25
May 28, 2024 7:40:00 AM	0.72	<1	2	12	<1	0.23
Jun 04, 2024 7:40:00 AM	0.55	<1	<2	11	<1	0.25
Jun 11, 2024 8:05:00 AM	0.78	<1	<2	14	<1	0.24
Jun 18, 2024 7:40:00 AM	0.61	<1	<2	14	<1	0.22
Jun 25, 2024 7:42:00 AM	0.6	<1	4	14	<1	0.25
Jul 02, 2024 7:42:00 AM	0.61	<1	2	14	<1	0.21
Jul 09, 2024 7:58:00 AM	0.64	<1	2	15	<1	0.26
Jul 16, 2024 7:57:00 AM	0.61	<1	<2	15	<1	0.22
Jul 23, 2024 7:35:00 AM	0.59	<1	4	15	<1	0.2
Jul 30, 2024 8:09:00 AM	0.58	<1	8	16	<1	0.16
Aug 06, 2024 7:58:00 AM	0.64	<1	36	15	<1	0.23
Aug 13, 2024 8:00:00 AM	0.56	<1	2	16	<1	0.17
Aug 20, 2024 8:03:00 AM	0.57	<1	<2	16	<1	0.18

Sampled date	Chlorine Free mg/L	E.coli MF/100 mLs	HPC CFU/mLs	Temp °C	Total Coliform MF/100mLs	Turbidity NTU
Aug 27, 2024 8:00:00 AM	0.43	<1	2	16	<1	0.16
Sep 03, 2024 8:12:00 AM	0.41	<1	2	16	<1	0.18
Sep 10, 2024 8:11:00 AM	0.56	<1	<2	16	<1	0.18
Sep 17, 2024 9:05:00 AM	0.63	<1	2	16	<1	0.19
Sep 24, 2024 8:42:00 AM	0.58	<1	6	17	<1	0.18
Oct 01, 2024 8:32:00 AM	0.43	<1	4	15	<1	0.23
Oct 08, 2024 8:50:00 AM	0.46	<1	2	15	<1	0.21
Oct 15, 2024 9:50:00 AM	0.39	<1	12	15	<1	0.25
Oct 22, 2024 8:30:00 AM	0.67	<1	<2	14	<1	3.1
Oct 29, 2024 8:33:00 AM	0.8	<1	<2	13	<1	0.99
Nov 05, 2024 8:55:00 AM	0.54	<1	<2	12	<1	1
Nov 12, 2024 8:30:00 AM	0.44	<1	24	10	<1	0.7
Nov 19, 2024 8:45:00 AM	0.45	<1	4	10	<1	0.44
Nov 26, 2024 8:20:00 AM	0.46	<1	2	11	<1	0.43
Dec 03, 2024 9:00:00 AM	0.55	<1	<2	10	<1	0.46
Dec 11, 2024 8:50:00 AM	0.59	<1	<2	10	<1	0.34
Dec 17, 2024 7:40:00 AM	0.41	<1	<2	8	<1	0.27
Dec 23, 2024 7:48:00 AM	0.77	<1	NA	9	<1	0.28
Dec 30, 2024 8:05:00 AM	0.5	<1	NA	8	<1	0.32

PMS-423

Sampled date	Chlorine Free mg/L	E.coli MF/100 mLs	HPC CFU/mLs	Temp °C	Total Coliform MF/100mLs	Turbidity NTU
Jan 02, 2024 8:45:00 AM	1.11	<1	2	10	<1	0.45
Jan 09, 2024 9:30:00 AM	1.72	<1	<2	8	<1	0.64
Jan 23, 2024 8:42:00 AM	1.07	<1	<2	7	<1	0.56
Jan 30, 2024 8:40:00 AM	1.41	<1	<2	9	<1	0.9
Feb 06, 2024 8:40:00 AM	1.25	<1	<2	9	<1	0.45
Feb 13, 2024 8:40:00 AM	1.14	<1	<2	8	<1	0.53
Feb 20, 2024 9:20:00 AM	1.24	<1	2	9	<1	0.31
Feb 27, 2024 8:10:00 AM	0.98	<1	<2	7	<1	0.37
Mar 05, 2024 8:40:00 AM	1.06	<1	<2	6	<1	0.41
Mar 12, 2024 8:05:00 AM	1.02	<1	<2	8	<1	0.4
Mar 19, 2024 10:42:00 AM	1.09	<1	<2	9	<1	0.41
Mar 26, 2024 9:00:00 AM	1.1	<1	<2	8	<1	0.32
Apr 02, 2024 8:15:00 AM	1.16	<1	2	10	<1	0.29
Apr 09, 2024 9:00:00 AM	0.9	<1	16	9	<1	0.26
Apr 16, 2024 8:25:00 AM	1.21	<1	<2	10	<1	0.36
Apr 23, 2024 8:14:00 AM	1.55	<1	<2	10	<1	1.1
Apr 30, 2024 8:24:00 AM	1.51	<1	2	10	<1	0.24
May 07, 2024 8:40:00 AM	1.11	<1	<2	9	<1	0.29
May 14, 2024 8:50:00 AM	1.19	<1	<2	10	<1	0.28
May 21, 2024 9:02:00 AM	1.3	<1	<2	12	<1	0.25
May 28, 2024 8:40:00 AM	1.03	<1	<2	10	<1	0.3
Jun 04, 2024 8:40:00 AM	1.08	<1	<2	9	<1	0.37
Jun 11, 2024 9:10:00 AM	1.13	<1	4	13	<1	0.34
Jun 18, 2024 8:45:00 AM	0.17	<1	4	11	<1	0.26
Jun 25, 2024 8:05:00 AM	0.97	<1	4	13	<1	0.24
Jul 02, 2024 8:07:00 AM	0.97	<1	6	13	<1	0.2
Jul 09, 2024 8:20:00 AM	1.02	<1	4	15	<1	0.25
Jul 16, 2024 8:24:00 AM	0.92	<1	<2	15	<1	0.28
Jul 23, 2024 8:10:00 AM	1.02	<1	<2	13	<1	0.19
Jul 30, 2024 8:31:00 AM	1.14	<1	10	14	<1	0.18
Aug 06, 2024 8:38:00 AM	1.14	<1	26	15	<1	0.22
Aug 13, 2024 9:25:00 AM	0.99	<1	4	15	<1	0.21
Aug 20, 2024 8:30:00 AM	1.11	<1	18	15	<1	0.2

Sampled date	Chlorine Free mg/L	E.coli MF/100 mLs	HPC CFU/mLs	Temp °C	Total Coliform MF/100mLs	Turbidity NTU
Aug 27, 2024 8:25:00 AM	1.06	<1	120	15	<1	0.18
Sep 03, 2024 8:37:00 AM	0.91	<1	8	15	<1	0.21
Sep 10, 2024 8:37:00 AM	1.05	<1	60	15	<1	0.17
Sep 17, 2024 10:30:00 AM	1	<1	8	16	<1	0.2
Sep 24, 2024 9:05:00 AM	1.07	<1	2	15	<1	0.2
Oct 01, 2024 9:04:00 AM	1.06	<1	<2	14	<1	0.24
Oct 08, 2024 10:20:00 AM	1.11	<1	<2	15	<1	0.21
Oct 15, 2024 9:20:00 AM	0.98	<1	<2	13	<1	0.29
Oct 22, 2024 8:59:00 AM	1.71	<1	<2	13	<1	4.2
Oct 29, 2024 9:13:00 AM	1.9	<1	<2	14	<1	1.8
Nov 05, 2024 9:40:00 AM	1.17	<1	<2	12	<1	0.84
Nov 12, 2024 9:16:00 AM	0.93	<1	<2	10	<1	0.66
Nov 19, 2024 9:05:00 AM	0.95	<1	<2	11	<1	0.46
Nov 26, 2024 9:10:00 AM	1.27	<1	2	10	<1	0.5
Dec 03, 2024 9:50:00 AM	1.27	<1	6	11	<1	0.75
Dec 11, 2024 9:45:00 AM	1.04	<1	4	9	<1	0.47
Dec 17, 2024 9:00:00 AM	1.01	<1	<2	7	<1	0.31
Dec 23, 2024 8:15:00 AM	1.79	<1	NA	7	<1	0.38
Dec 30, 2024 9:05:00 AM	0.95	<1	NA	7	<1	0.48

PMS-424

Sampled date	Chlorine Free mg/L	E.coli MF/100 mLs	HPC CFU/mLs	Temp °C	Total Coliform MF/100mLs	Turbidity NTU
Jan 02, 2024 10:38:00 AM	0.34	<1	<2	10	<1	0.42
Jan 09, 2024 11:10:00 AM	0.68	<1	<2	8	<1	0.49
Jan 23, 2024 10:55:00 AM	0.51	<1	<2	8	<1	0.46
Jan 30, 2024 11:00:00 AM	0.44	<1	<2	9	<1	0.75
Feb 06, 2024 11:07:00 AM	0.64	<1	<2	10	<1	0.41
Feb 13, 2024 11:05:00 AM	0.58	<1	4	9	<1	0.82
Feb 20, 2024 11:37:00 AM	0.5	<1	<2	9	<1	1.1
Feb 27, 2024 11:10:00 AM	0.76	<1	<2	9	<1	0.73
Mar 05, 2024 10:43:00 AM	0.65	<1	<2	6	<1	0.49
Mar 12, 2024 11:00:00 AM	0.55	<1	2	8	<1	0.33
Mar 19, 2024 12:00:00 PM	0.48	<1	<2	9	<1	0.33
Mar 26, 2024 11:10:00 AM	0.66	<1	8	9	<1	0.34
Apr 02, 2024 11:33:00 AM	0.59	<1	<2	10	<1	0.35
Apr 09, 2024 11:15:00 AM	0.54	<1	2	9	<1	0.29
Apr 16, 2024 11:49:00 AM	0.53	<1	2	9	<1	0.39
Apr 23, 2024 11:04:00 AM	0.59	<1	2	10	<1	0.43
Apr 30, 2024 10:58:00 AM	0.59	<1	12	10	<1	0.33
May 07, 2024 11:11:00 AM	0.46	<1	4	11	<1	0.24
May 14, 2024 11:15:00 AM	0.42	<1	6	10	<1	0.25
May 21, 2024 12:13:00 PM	0.42	<1	4	12	<1	0.24
May 28, 2024 11:11:00 AM	0.39	<1	<2	12	<1	0.25
Jun 04, 2024 11:15:00 AM	0.29	<1	<2	13	<1	0.26
Jun 11, 2024 11:20:00 AM	0.28	<1	8	12	<1	0.22
Jun 18, 2024 11:20:00 AM	0.43	<1	<2	13	<1	0.3
Jun 25, 2024 11:08:00 AM	0.3	<1	6	13	<1	0.27
Jul 02, 2024 11:22:00 AM	0.34	<1	2	13	<1	0.19
Jul 09, 2024 11:24:00 AM	0.48	<1	4	15	<1	0.52
Jul 16, 2024 10:55:00 AM	0.34	<1	<2	15	<1	0.2
Jul 23, 2024 11:15:00 AM	0.34	<1	8	15	<1	0.21
Jul 30, 2024 11:34:00 AM	0.32	<1	2	15	<1	0.15
Aug 06, 2024 11:12:00 AM	0.39	<1	2	15	<1	0.18
Aug 13, 2024 11:06:00 AM	0.31	<1	<2	15	<1	0.18
Aug 20, 2024 11:22:00 AM	0.3	<1	<2	15	<1	0.17

Sampled date	Chlorine Free mg/L	E.coli MF/100 mLs	HPC CFU/mLs	Temp °C	Total Coliform MF/100mLs	Turbidity NTU
Aug 27, 2024 10:44:00 AM	0.28	<1	<2	15	<1	0.19
Sep 03, 2024 11:17:00 AM	0.21	<1	2	15	<1	0.16
Sep 10, 2024 10:57:00 AM	0.27	<1	10	15	<1	0.22
Sep 17, 2024 11:35:00 AM	0.43	<1	<2	16	<1	0.19
Sep 24, 2024 11:16:00 AM	0.34	<1	4	15	<1	0.2
Oct 01, 2024 11:35:00 AM	0.27	<1	12	15	<1	0.22
Oct 08, 2024 11:36:00 AM	0.22	<1	44	15	<1	0.23
Oct 15, 2024 8:50:00 AM	0.2	<1	<2	14	<1	0.23
Oct 22, 2024 11:55:00 AM	0.28	<1	36	14	<1	3.1
Oct 29, 2024 11:00:00 AM	0.51	<1	8	13	<1	1.1
Nov 05, 2024 12:08:00 PM	0.21	<1	6	12	<1	0.79
Nov 12, 2024 10:50:00 AM	0.24	<1	4	12	<1	0.73
Nov 19, 2024 11:31:00 AM	0.2	<1	4	11	<1	0.56
Nov 26, 2024 11:20:00 AM	0.22	<1	4	10	<1	0.41
Dec 03, 2024 11:20:00 AM	0.31	<1	<2	9	<1	0.75
Dec 11, 2024 11:40:00 AM	0.2	<1	2	10	<1	0.37
Dec 17, 2024 11:12:00 AM	0.2	<1	<2	9	<1	0.3
Dec 23, 2024 10:40:00 AM	0.26	<1	NA	9	<1	0.35
Dec 30, 2024 11:25:00 AM	0.17	<1	NA	8	<1	0.35

PMS-425

Sampled date	Chlorine Free mg/L	E.coli MF/100 mLs	HPC CFU/mLs	Temp °C	Total Coliform MF/100mLs	Turbidity NTU
Jan 02, 2024 9:55:00 AM	0.13	<1	8	10	<1	0.43
Jan 09, 2024 10:55:00 AM	0.5	<1	6	8	<1	0.46
Jan 23, 2024 10:39:00 AM	0.36	<1	2	8	<1	0.35
Jan 30, 2024 10:40:00 AM	0.22	<1	60	10	<1	0.79
Feb 06, 2024 10:54:00 AM	0.32	<1	2	10	<1	0.47
Feb 13, 2024 10:45:00 AM	0.22	<1	<2	9	<1	0.53
Feb 20, 2024 11:00:00 AM	0.33	<1	10	9	<1	0.65
Feb 27, 2024 10:50:00 AM	0.49	<1	2	10	<1	1.6
Mar 05, 2024 10:31:00 AM	0.42	<1	6	7	<1	0.73
Mar 12, 2024 10:40:00 AM	0.24	<1	8	8	<1	0.3
Mar 19, 2024 11:44:00 AM	0.18	<1	4	9	<1	0.45
Mar 26, 2024 10:50:00 AM	0.23	<1	4	10	<1	0.34
Apr 02, 2024 11:15:00 AM	0.31	<1	4	10	<1	0.36
Apr 09, 2024 11:00:00 AM	0.34	<1	<2	9	<1	0.31
Apr 16, 2024 11:34:00 AM	0.17	<1	4	10	<1	0.27
Apr 23, 2024 10:23:00 AM	0.22	<1	4	10	<1	0.41
Apr 30, 2024 10:17:00 AM	0.21	<1	<2	10	<1	0.32
May 07, 2024 11:00:00 AM	0.26	<1	10	11	<1	0.24
May 14, 2024 10:50:00 AM	0.62	<1	2	12	<1	0.29
May 21, 2024 11:25:00 AM	0.22	<1	2	12	<1	0.26
May 28, 2024 10:50:00 AM	0.21	<1	4	13	<1	0.29
Jun 04, 2024 10:50:00 AM	0.28	<1	LA	13	<1	0.27
Jun 11, 2024 10:50:00 AM	0.2	<1	10	13	<1	0.23
Jun 18, 2024 11:00:00 AM	0.3	<1	4	12	<1	0.36
Jun 25, 2024 10:10:00 AM	0.11	<1	6	14	<1	0.2
Jul 02, 2024 10:32:00 AM	0.19	<1	12	14	<1	0.24
Jul 09, 2024 10:35:00 AM	0.1	<1	4	15	<1	0.2
Jul 16, 2024 10:16:00 AM	0.13	<1	20	15	<1	0.2
Jul 23, 2024 10:38:00 AM	0.23	<1	34	15	<1	0.24
Jul 30, 2024 10:30:00 AM	0.1	<1	14	15	<1	0.18
Aug 06, 2024 10:40:00 AM	0.23	<1	20	15	<1	0.16
Aug 13, 2024 10:15:00 AM	0.41	<1	18	15	<1	0.24
Aug 20, 2024 10:25:00 AM	0.23	<1	16	16	<1	0.17

Sampled date	Chlorine Free mg/L	E.coli MF/100 mLs	HPC CFU/mLs	Temp °C	Total Coliform MF/100mLs	Turbidity NTU
Aug 27, 2024 11:10:00 AM	0.15	<1	16	16	<1	0.2
Sep 03, 2024 10:33:00 AM	0.07	<1	2	16	<1	0.18
Sep 10, 2024 10:07:00 AM	0.12	<1	16	16	<1	0.16
Sep 17, 2024 11:25:00 AM	0.3	<1	12	17	<1	0.24
Sep 24, 2024 10:58:00 AM	0.12	<1	120	16	<1	0.22
Oct 01, 2024 10:34:00 AM	0.17	<1	18	15	<1	0.21
Oct 08, 2024 11:15:00 AM	0.14	<1	56	15	<1	0.24
Oct 15, 2024 8:40:00 AM	0.1	<1	8	15	<1	0.25
Oct 22, 2024 11:44:00 AM	0.12	<1	12	14	<1	3.1
Oct 29, 2024 10:34:00 AM	0.25	<1	10	13	<1	1.3
Nov 05, 2024 11:16:00 AM	0.12	<1	74	13	<1	0.86
Nov 12, 2024 11:10:00 AM	0.21	<1	180	12	<1	1
Nov 19, 2024 11:05:00 AM	0.09	<1	14	11	<1	0.69
Nov 26, 2024 10:45:00 AM	0.17	<1	12	10	<1	0.52
Dec 03, 2024 11:00:00 AM	0.23	<1	14	10	<1	0.43
Dec 11, 2024 11:15:00 AM	0.1	<1	4	10	<1	0.36
Dec 17, 2024 10:55:00 AM	0.12	<1	8	9	<1	0.31
Dec 23, 2024 11:40:00 AM	0.14	<1	NA	9	<1	0.34
Dec 30, 2024 11:05:00 AM	0.09	<1	NA	9	<1	0.35

PMS-426

Sampled date	Chlorine Free mg/L	E.coli MF/100 mLs	HPC CFU/mLs	Temp °C	Total Coliform MF/100mLs	Turbidity NTU
Jan 02, 2024 11:02:00 AM	0.48	<1	<2	10	<1	0.41
Jan 09, 2024 10:35:00 AM	0.81	<1	2	8	<1	0.48
Jan 23, 2024 11:20:00 AM	0.7	<1	12	8	<1	0.53
Jan 30, 2024 9:15:00 AM	0.84	<1	<2	10	<1	0.53
Feb 06, 2024 11:35:00 AM	0.66	<1	<2	10	<1	0.4
Feb 13, 2024 10:30:00 AM	0.66	<1	4	9	<1	0.5
Feb 20, 2024 10:35:00 AM	0.69	<1	4	9	<1	0.41
Mar 05, 2024 10:01:00 AM	0.75	<1	<2	7	<1	0.34
Mar 12, 2024 11:17:00 AM	0.81	<1	<2	8	<1	0.34
Mar 19, 2024 11:23:00 AM	0.79	<1	<2	9	<1	0.44
Mar 26, 2024 10:30:00 AM	0.8	<1	2	9	<1	0.3
Apr 02, 2024 10:45:00 AM	0.73	<1	<2	10	<1	0.34
Apr 09, 2024 10:45:00 AM	0.33	<1	6	10	<1	0.3
Apr 16, 2024 11:02:00 AM	0.27	<1	<2	10	<1	0.44
Apr 23, 2024 12:34:00 PM	0.22	<1	<2	10	<1	0.44
Apr 30, 2024 11:40:00 AM	0.36	<1	<2	11	<1	0.25
May 07, 2024 10:30:00 AM	0.2	<1	4	11	<1	0.27
May 14, 2024 10:20:00 AM	0.27	<1	2	13	<1	0.25
May 21, 2024 12:30:00 PM	0.54	<1	<2	12	<1	0.29
May 28, 2024 10:03:00 AM	0.28	<1	<2	14	<1	0.29
Jun 04, 2024 10:30:00 AM	0.21	<1	<2	11	<1	0.26
Jun 11, 2024 10:30:00 AM	0.21	<1	4	13	<1	0.31
Jun 18, 2024 10:30:00 AM	0.21	<1	10	12	<1	0.24
Jun 25, 2024 11:40:00 AM	0.17	<1	2	15	<1	0.23
Jul 02, 2024 11:42:00 AM	0.72	<1	<2	15	<1	0.3
Jul 09, 2024 11:45:00 AM	0.19	<1	40	16	<1	0.23
Jul 16, 2024 11:15:00 AM	0.19	<1	8	17	<1	0.19
Jul 23, 2024 11:46:00 AM	0.24	<1	2	16	<1	0.18
Jul 30, 2024 11:53:00 AM	0.29	<1	4	16	<1	0.43
Aug 06, 2024 11:36:00 AM	0.37	<1	2	15	<1	0.22
Aug 13, 2024 11:29:00 AM	0.7	<1	12	15	<1	0.27
Aug 20, 2024 11:44:00 AM	0.18	<1	8	18	<1	0.2
Aug 27, 2024 11:47:00 AM	0.17	<1	8	17	<1	0.19

Sampled date	Chlorine Free mg/L	E.coli MF/100 mLs	HPC CFU/mLs	Temp °C	Total Coliform MF/100mLs	Turbidity NTU
Sep 03, 2024 11:40:00 AM	0.13	<1	4	18	<1	0.18
Sep 10, 2024 11:19:00 AM	0.18	<1	160	17	<1	0.17
Sep 17, 2024 11:00:00 AM	0.35	<1	<2	17	<1	0.26
Sep 24, 2024 11:39:00 AM	0.18	<1	4	18	<1	0.21
Oct 01, 2024 11:55:00 AM	0.21	<1	4	16	<1	0.22
Oct 08, 2024 12:07:00 PM	0.18	<1	6	16	<1	0.19
Oct 15, 2024 8:15:00 AM	0.38	<1	10	15	<1	0.24
Oct 22, 2024 11:29:00 AM	1.06	<1	6	14	<1	3.3
Oct 29, 2024 11:35:00 AM	0.86	<1	<2	14	<1	0.97
Nov 05, 2024 12:30:00 PM	0.21	<1	8	14	<1	0.76
Nov 12, 2024 11:40:00 AM	0.22	<1	8	11	<1	4.1
Nov 19, 2024 11:47:00 AM	0.65	<1	<2	11	<1	0.48
Nov 26, 2024 10:25:00 AM	0.43	<1	2	11	<1	0.52
Dec 03, 2024 10:40:00 AM	0.34	<1	4	11	<1	0.47
Dec 11, 2024 10:45:00 AM	0.21	<1	<2	10	<1	0.3
Dec 17, 2024 10:26:00 AM	0.42	<1	8	9	<1	0.32
Dec 23, 2024 11:10:00 AM	0.65	<1	NA	9	<1	0.31
Dec 30, 2024 10:40:00 AM	0.65	<1	NA	8	<1	0.32

PMS-427

Sampled date	Chlorine Free mg/L	E.coli MF/100 mLs	HPC CFU/mLs	Temp °C	Total Coliform MF/100mLs	Turbidity NTU
Jan 02, 2024 8:26:00 AM	0.52	<1	<2	10	<1	0.41
Jan 09, 2024 8:37:00 AM	1.27	<1	2	8.5	<1	0.57
Jan 23, 2024 8:15:00 AM	0.59	<1	2	7	<1	0.39
Jan 30, 2024 8:20:00 AM	0.77	<1	20	9	<1	0.78
Feb 06, 2024 8:59:00 AM	0.67	<1	2	9	<1	0.51
Feb 13, 2024 8:25:00 AM	0.67	<1	<2	8	<1	0.53
Feb 20, 2024 8:10:00 AM	0.74	<1	4	9	<1	0.33
Feb 27, 2024 7:50:00 AM	0.8	<1	<2	7	<1	0.38
Mar 05, 2024 8:16:00 AM	0.49	<1	<2	7	<1	0.54
Mar 12, 2024 8:36:00 AM	0.58	<1	<2	7	<1	0.31
Mar 19, 2024 10:57:00 AM	0.84	<1	<2	8	<1	0.44
Mar 26, 2024 8:45:00 AM	0.83	<1	<2	9	<1	0.33
Apr 02, 2024 8:48:00 AM	0.56	<1	<2	10	<1	0.29
Apr 09, 2024 9:25:00 AM	0.55	<1	<2	9	<1	0.3
Apr 16, 2024 8:07:00 AM	0.92	<1	<2	10	<1	0.27
Apr 23, 2024 8:55:00 AM	1.22	<1	<2	10	<1	0.66
Apr 30, 2024 9:10:00 AM	0.74	<1	<2	10	<1	0.27
May 07, 2024 8:10:00 AM	0.46	<1	<2	10	<1	0.32
May 14, 2024 8:25:00 AM	0.97	<1	<2	10	<1	0.28
May 21, 2024 10:31:00 AM	0.72	<1	<2	12	<1	0.28
May 28, 2024 8:15:00 AM	0.6	<1	14	12	<1	0.29
Jun 04, 2024 8:20:00 AM	0.56	<1	<2	11	<1	0.29
Jun 11, 2024 8:45:00 AM	0.61	<1	2	13	<1	0.27
Jun 18, 2024 8:10:00 AM	0.72	<1	2	13	<1	0.23
Jun 25, 2024 8:23:00 AM	0.8	<1	<2	13	<1	0.27
Jul 02, 2024 8:40:00 AM	0.78	<1	<2	14	<1	0.22
Jul 09, 2024 8:59:00 AM	0.72	<1	<2	15	<1	0.27
Jul 16, 2024 8:55:00 AM	0.5	<1	<2	15	<1	0.22
Jul 23, 2024 8:46:00 AM	0.78	<1	<2	14	<1	0.21
Jul 30, 2024 8:55:00 AM	0.46	<1	<2	15	<1	0.17
Aug 06, 2024 9:55:00 AM	0.84	<1	<2	15	<1	0.18
Aug 13, 2024 8:27:00 AM	0.9	<1	<2	15	<1	0.2
Aug 20, 2024 9:15:00 AM	0.41	<1	<2	16	<1	0.17

Sampled date	Chlorine Free mg/L	E.coli MF/100 mLs	HPC CFU/mLs	Temp °C	Total Coliform MF/100mLs	Turbidity NTU
Aug 27, 2024 8:56:00 AM	0.42	<1	<2	15	<1	0.18
Sep 03, 2024 9:06:00 AM	0.29	<1	<2	15	<1	0.17
Sep 10, 2024 9:08:00 AM	0.38	<1	LA	16	<1	0.15
Sep 17, 2024 9:35:00 AM	0.48	<1	<2	16	<1	0.19
Sep 24, 2024 9:34:00 AM	0.36	<1	<2	16	<1	0.18
Oct 01, 2024 9:44:00 AM	0.3	<1	8	15	<1	0.2
Oct 08, 2024 9:36:00 AM	0.71	<1	4	15	<1	0.25
Oct 15, 2024 9:35:00 AM	0.34	<1	4	14	<1	0.22
Oct 22, 2024 9:34:00 AM	0.74	<1	2	14	<1	2.9
Oct 29, 2024 9:46:00 AM	0.62	<1	<2	13	<1	1.1
Nov 05, 2024 10:30:00 AM	1.01	<1	4	11	<1	2
Nov 12, 2024 9:00:00 AM	0.53	<1	<2	11	<1	0.73
Nov 19, 2024 9:25:00 AM	0.97	<1	<2	10	<1	0.53
Nov 26, 2024 8:55:00 AM	0.45	<1	<2	10	<1	0.61
Dec 03, 2024 9:30:00 AM	0.79	<1	<2	10	<1	0.49
Dec 11, 2024 9:30:00 AM	0.47	<1	2	10	<1	0.39
Dec 17, 2024 8:15:00 AM	0.64	<1	<2	8	<1	0.28
Dec 23, 2024 8:57:00 AM	1.15	<1	NA	8	<1	0.33
Dec 30, 2024 8:43:00 AM	0.86	<1	NA	8	<1	0.33

PMS-428

Sampled date	Chlorine Free mg/L	E.coli MF/100 mLs	HPC CFU/mLs	Temp °C	Total Coliform MF/100mLs	Turbidity NTU
Jan 02, 2024 11:16:00 AM	1.32	<1	<2	10	<1	0.51
Jan 09, 2024 10:20:00 AM	1.67	<1	<2	7	<1	0.61
Jan 23, 2024 11:53:00 AM	1.14	<1	<2	8	<1	0.62
Jan 30, 2024 9:00:00 AM	1.15	<1	<2	9	<1	0.66
Feb 06, 2024 10:31:00 AM	1.29	<1	<2	9	<1	0.53
Feb 13, 2024 9:00:00 AM	1.39	<1	<2	8	<1	0.66
Feb 20, 2024 12:05:00 PM	1.22	<1	<2	9	<1	0.31
Feb 27, 2024 8:40:00 AM	1.2	<1	<2	9	<1	0.5
Mar 05, 2024 11:04:00 AM	1.05	<1	<2	6	<1	0.39
Mar 12, 2024 11:38:00 AM	1.17	<1	2	7	<1	0.35
Mar 19, 2024 12:38:00 PM	1.18	<1	<2	9	<1	0.43
Mar 26, 2024 9:35:00 AM	1.32	<1	<2	10	<1	0.35
Apr 02, 2024 9:40:00 AM	1.23	<1	<2	10	<1	0.34
Apr 09, 2024 8:25:00 AM	1.23	<1	<2	9	<1	0.38
Apr 16, 2024 10:44:00 AM	1.08	<1	<2	8	<1	0.29
Apr 23, 2024 12:53:00 PM	1.19	<1	2	10	<1	0.34
Apr 30, 2024 11:55:00 AM	1.08	<1	<2	11	<1	0.22
May 07, 2024 9:10:00 AM	1.32	<1	<2	10	<1	0.34
May 14, 2024 9:10:00 AM	1.24	<1	<2	9	<1	0.3
May 21, 2024 12:40:00 PM	1.22	<1	<2	12	<1	0.26
May 28, 2024 9:15:00 AM	1.36	<1	2	10	<1	0.38
Jun 04, 2024 9:10:00 AM	1.18	<1	<2	9	<1	0.29
Jun 11, 2024 9:30:00 AM	1.28	<1	<2	12	<1	0.31
Jun 18, 2024 9:10:00 AM	1.27	<1	<2	12	<1	0.36
Jun 25, 2024 11:57:00 AM	1.03	<1	<2	14	<1	0.24
Jul 02, 2024 11:57:00 AM	1.23	<1	<2	13	<1	0.23
Jul 09, 2024 11:56:00 AM	1.15	<1	2	14	<1	0.25
Jul 16, 2024 12:06:00 PM	1.08	<1	<2	15	<1	0.22
Jul 23, 2024 12:00:00 PM	1.22	<1	<2	15	<1	0.21
Jul 30, 2024 12:15:00 PM	1.14	<1	48	15	<1	0.18
Aug 06, 2024 9:21:00 AM	1.26	<1	<2	15	<1	0.22
Aug 13, 2024 11:49:00 AM	0.95	<1	4	13	<1	0.2
Aug 20, 2024 12:04:00 PM	1	<1	<2	15	<1	0.21

Sampled date	Chlorine Free mg/L	E.coli MF/100 mLs	HPC CFU/mLs	Temp °C	Total Coliform MF/100mLs	Turbidity NTU
Aug 27, 2024 11:58:00 AM	1.2	<1	<2	12	<1	0.16
Sep 03, 2024 12:03:00 PM	1.07	<1	10	15	<1	0.21
Sep 10, 2024 11:38:00 AM	1.33	<1	<2	14	<1	0.19
Sep 17, 2024 10:45:00 AM	1.2	<1	<2	14	<1	0.2
Sep 24, 2024 11:53:00 AM	1.14	<1	<2	15	<1	0.24
Oct 01, 2024 12:07:00 PM	1.22	<1	10	14	<1	0.23
Oct 08, 2024 12:36:00 PM	1.1	<1	8	14	<1	0.28
Oct 15, 2024 9:05:00 AM	1.13	<1	14	13	<1	0.36
Oct 22, 2024 12:35:00 PM	1.9	<1	6	13	<1	5.5
Oct 29, 2024 11:55:00 AM	1.41	<1	8	11	<1	1.7
Nov 05, 2024 12:50:00 PM	1.57	<1	6	11	<1	2.9
Nov 12, 2024 9:40:00 AM	1.7	<1	<2	11	<1	0.96
Nov 19, 2024 12:00:00 PM	1.63	<1	2	10	<1	0.6
Nov 26, 2024 9:25:00 AM	1.19	<1	<2	9	<1	0.52
Dec 03, 2024 10:20:00 AM	1.23	<1	<2	10	<1	0.56
Dec 11, 2024 1:00:00 PM	1.25	<1	2	9	<1	0.51
Dec 17, 2024 9:22:00 AM	1.01	<1	<2	7	<1	0.44
Dec 23, 2024 12:06:00 PM	1.36	<1	NA	8	<1	0.58
Dec 30, 2024 9:30:00 AM	1.45	<1	NA	7	<1	0.46

PMS-429

Sampled date	Chlorine Free mg/L	E.coli MF/100 mLs	HPC CFU/mLs	Temp °C	Total Coliform MF/100mLs	Turbidity NTU
Jan 02, 2024 7:42:00 AM	0.25	<1	2	10	<1	0.38
Jan 09, 2024 7:50:00 AM	0.62	<1	<2	8	<1	0.48
Jan 23, 2024 7:33:00 AM	0.34	<1	<2	8	<1	0.42
Jan 30, 2024 7:25:00 AM	0.21	<1	6	9	<1	0.7
Feb 06, 2024 7:45:00 AM	0.46	<1	<2	9	<1	0.45
Feb 13, 2024 7:25:00 AM	0.3	<1	<2	9	<1	0.4
Feb 20, 2024 7:37:00 AM	0.38	<1	<2	9	<1	0.32
Feb 27, 2024 9:30:00 AM	0.27	<1	4	9	<1	0.41
Mar 05, 2024 7:35:00 AM	0.34	<1	<2	8	<1	0.45
Mar 12, 2024 7:22:00 AM	0.35	<1	4	8	<1	0.28
Mar 19, 2024 8:45:00 AM	0.39	<1	<2	9	<1	0.39
Mar 26, 2024 7:30:00 AM	0.35	<1	<2	9	<1	0.28
Apr 02, 2024 7:30:00 AM	0.35	<1	<2	10	<1	0.27
Apr 09, 2024 7:30:00 AM	0.28	<1	2	10	<1	0.29
Apr 16, 2024 7:33:00 AM	0.38	<1	<2	10	<1	0.22
Apr 23, 2024 7:27:00 AM	0.36	<1	<2	10	<1	0.41
Apr 30, 2024 7:32:00 AM	0.42	<1	<2	10	<1	0.24
May 07, 2024 7:20:00 AM	0.29	<1	2	11	<1	0.29
May 14, 2024 7:30:00 AM	0.28	<1	<2	12	<1	0.22
May 21, 2024 7:32:00 AM	0.51	<1	<2	12	<1	0.25
May 28, 2024 7:20:00 AM	0.24	<1	26	12	<1	0.24
Jun 04, 2024 7:20:00 AM	0.21	<1	2	13	<1	0.24
Jun 11, 2024 7:50:00 AM	0.4	<1	2	14	<1	0.29
Jun 18, 2024 7:20:00 AM	0.24	<1	<2	13	<1	0.23
Jun 25, 2024 7:27:00 AM	0.32	<1	<2	13	<1	0.25
Jul 02, 2024 7:23:00 AM	0.38	<1	<2	14	<1	0.2
Jul 09, 2024 7:33:00 AM	0.36	<1	<2	15	<1	0.22
Jul 16, 2024 7:30:00 AM	0.29	<1	<2	15	<1	0.25
Jul 23, 2024 7:18:00 AM	0.39	<1	6	15	<1	0.2
Jul 30, 2024 7:43:00 AM	0.23	<1	310	15	<1	0.19
Aug 06, 2024 7:41:00 AM	0.28	<1	8	16	<1	0.16
Aug 13, 2024 7:31:00 AM	0.26	<1	8	15	<1	0.18
Aug 20, 2024 7:45:00 AM	0.22	<1	10	17	<1	0.17

Sampled date	Chlorine Free mg/L	E.coli MF/100 mLs	HPC CFU/mLs	Temp °C	Total Coliform MF/100mLs	Turbidity NTU
Aug 27, 2024 7:32:00 AM	0.21	<1	4	16	<1	0.17
Sep 03, 2024 7:37:00 AM	0.18	<1	2	16	<1	0.18
Sep 10, 2024 7:51:00 AM	0.21	<1	6	17	<1	0.13
Sep 17, 2024 8:00:00 AM	0.34	<1	6	15	<1	0.22
Sep 24, 2024 7:45:00 AM	0.29	<1	6	15	<1	0.18
Oct 01, 2024 7:38:00 AM	0.09	<1	8	15	<1	0.18
Oct 08, 2024 7:35:00 AM	0.18	<1	12	15	<1	0.19
Oct 15, 2024 10:45:00 AM	0.13	<1	2	15	<1	0.22
Oct 22, 2024 8:05:00 AM	0.29	<1	<2	15	<1	2.9
Oct 29, 2024 7:35:00 AM	0.48	<1	<2	14	<1	0.95
Nov 05, 2024 8:33:00 AM	0.26	<1	<2	12	<1	1
Nov 12, 2024 8:15:00 AM	0.21	<1	2	12	<1	0.64
Nov 19, 2024 7:45:00 AM	0.23	<1	2	11	<1	0.52
Nov 26, 2024 8:00:00 AM	0.21	<1	2	11	<1	0.47
Dec 03, 2024 8:45:00 AM	0.23	<1	<2	11	<1	0.4
Dec 11, 2024 7:50:00 AM	0.16	<1	<2	10	<1	0.33
Dec 17, 2024 7:20:00 AM	0.17	<1	<2	9	<1	0.3
Dec 23, 2024 7:33:00 AM	0.51	<1	NA	10	<1	0.31
Dec 30, 2024 7:52:00 AM	0.12	<1	NA	9	<1	0.29

APPENDIX – 3

**THM, HAA, METALS AND VINYL CHLORIDE ANALYSIS
RESULTS FROM GREATER VANCOUVER WATER DISTRICT
LAB**

THM and HAA Analysis

Sample	Date Sampled	THM (ppb)							HAA (ppb)						
		Bromodichloromethane	Bromoform	Chlorodibromomethane	Chloroform	Total Trihalomethanes	Total THM Quarterly Average (Guideline Limit 100 ppb)		Dibromoacetic Acid	Dichloroacetic Acid	Monobromoacetic Acid	Monochloroacetic Acid	Trichloroacetic Acid	Total Haloacetic Acid	Total HAA Quarterly Average (Guideline Limit 80 ppb)
PMS-422	28-Nov-23	<1	<1	<1	31	33	32		<0.5	8.1	<0.5	<0.5	15	23	18
PMS-422	30-Jan-24	<1	<1	<1	23	24	25		<0.5	7.7	<0.5	<0.5	14	21	19
PMS-422	23-Apr-24	<1	<1	<1	24	25	25		<0.5	9.3	<0.5	<0.5	13	22	21
PMS-422	10-Sep-24	<1	<1	<1	31	33	29		<0.5	9.5	<0.5	<0.5	15	25	23
PMS-422	26-Nov-24	<1	<1	<1	31	32	27		<0.5	8.5	<0.5	0.9	17	26	23
PMS-424	28-Nov-23	<1	<1	<1	29	31	37		<0.5	5.9	<0.5	<0.5	14	20	17
PMS-424	30-Jan-24	<1	<1	<1	27	28	26		<0.5	6.2	<0.5	<0.5	14	20	19
PMS-424	23-Apr-24	<1	<1	<1	26	27	28		<0.5	6.8	<0.5	<0.5	15	21	21
PMS-424	10-Sep-24	<1	<1	<1	36	38	31		<0.5	5.5	<0.5	<0.5	17	22	21
PMS-424	26-Nov-24	<1	<1	<1	36	37	31		<0.5	5.2	<0.5	<0.5	18	23	21
PMS-425	28-Nov-23	<1	<1	<1	32	33	43		<0.5	4.8	<0.5	<0.5	14	19	17
PMS-425	30-Jan-24	<1	<1	<1	34	35	31		<0.5	5.5	<0.5	<0.5	17	22	17
PMS-425	23-Apr-24	<1	<1	<1	29	31	32		<0.5	3.8	<0.5	<0.5	15	19	20
PMS-425	10-Sep-24	<1	<1	<1	39	41	35		<0.5	3.9	<0.5	<0.5	17	21	20
PMS-425	26-Nov-24	<1	<1	<1	39	40	36		<0.5	3.2	<0.5	<0.5	17	21	21

Metal Analysis - Spring

		PMS-421	PMS-426		
	Sample Description	12192 McMyn Avenue	McKechnie Road		
	Sample Date	14/02/2023 8:45	14/02/2023 11:20	Canadian Guideline Limit	Reason Guideline Established
Aluminum Total	µg/L	79	93	2900	Health
Antimony Total	µg/L	<0.5	<0.5	6	health
Arsenic Total	µg/L	<0.5	<0.5	10	health
Barium Total	µg/L	2.1	2.3	2000	health
Boron Total	µg/L	<10	<10	5000	health
Cadmium Total	µg/L	<0.2	<0.2	7	health
Calcium Total	µg/L	871	1300	none	
Chromium Total	µg/L	<0.05	<0.05	50	health
Cobalt Total	µg/L	<0.5	<0.5	none	
Copper Total	µg/L	4.2	0.5	≤2000	aesthetic
Iron Total	µg/L	43	69	≤ 300	aesthetic
Lead Total	µg/L	<0.5	<0.5	5 (ALARA)	health
Magnesium Total	µg/L	96	74	None	
Manganese Total	µg/L	5.2	10.0	≤ 120	aesthetic
Mercury Total	µg/L	<0.05	<0.05	1.0	health
Molybdenum Total	µg/L	<0.5	<0.5	None	
Nickel Total	µg/L	<0.5	<0.5	None	
Potassium Total	µg/L	116	117	None	
Selenium Total	µg/L	<0.5	<0.5	50	health
Silver Total	µg/L	<0.5	<0.5	None	
Sodium Total	µg/L	10600	10100	≤ 200,000	aesthetic
Zinc Total	µg/L	<3.0	<3.0	≤ 5000	aesthetic

Metal Analysis - Fall

		PMS-421	PMS-426		
	Sample Description	12192 McMyn Ave.	McKechnie Road		
	Sample Date	08/11/2022 9:30	08/11/2022 10:30	Canadian Guideline Limit	Reason Guideline Established
Aluminum Total	µg/L	56	61	2900	Health
Antimony Total	µg/L	<0.5	<0.5	6	health
Arsenic Total	µg/L	<0.5	<0.5	10	health
Barium Total	µg/L	2.3	2.7	2000	health
Boron Total	µg/L	<10	<10	5000	health
Cadmium Total	µg/L	<0.2	<0.2	7	health
Calcium Total	µg/L	912	1390	none	
Chromium Total	µg/L	<0.05	<0.05	50	health
Cobalt Total	µg/L	<0.5	<0.5	none	
Copper Total	µg/L	4.5	0.6	≤2000	aesthetic
Iron Total	µg/L	49	38	≤ 300	aesthetic
Lead Total	µg/L	<0.5	<0.5	5 (ALARA)	health
Magnesium Total	µg/L	93	80	None	
Manganese Total	µg/L	5.9	1.4	≤ 120	aesthetic
Mercury Total	µg/L	<0.05	<0.05	1.0	health
Molybdenum Total	µg/L	<0.5	<0.5	None	
Nickel Total	µg/L	<0.5	<0.5	None	
Potassium Total	µg/L	123	129	None	
Selenium Total	µg/L	<0.5	<0.5	50	health
Silver Total	µg/L	<0.5	<0.5	None	
Sodium Total	µg/L	11100	10800	≤ 200,000	aesthetic
Zinc Total	µg/L	<3.0	<3.0	≤ 5000	aesthetic

Vinyl Chloride Analysis - Summer

Analysis	Units	PMS-I
		Pitt Meadows Sampling Point (PMS-I)
		11/06/2024 7:30
		GRAB
Vinyl Chloride	µg/L	<1

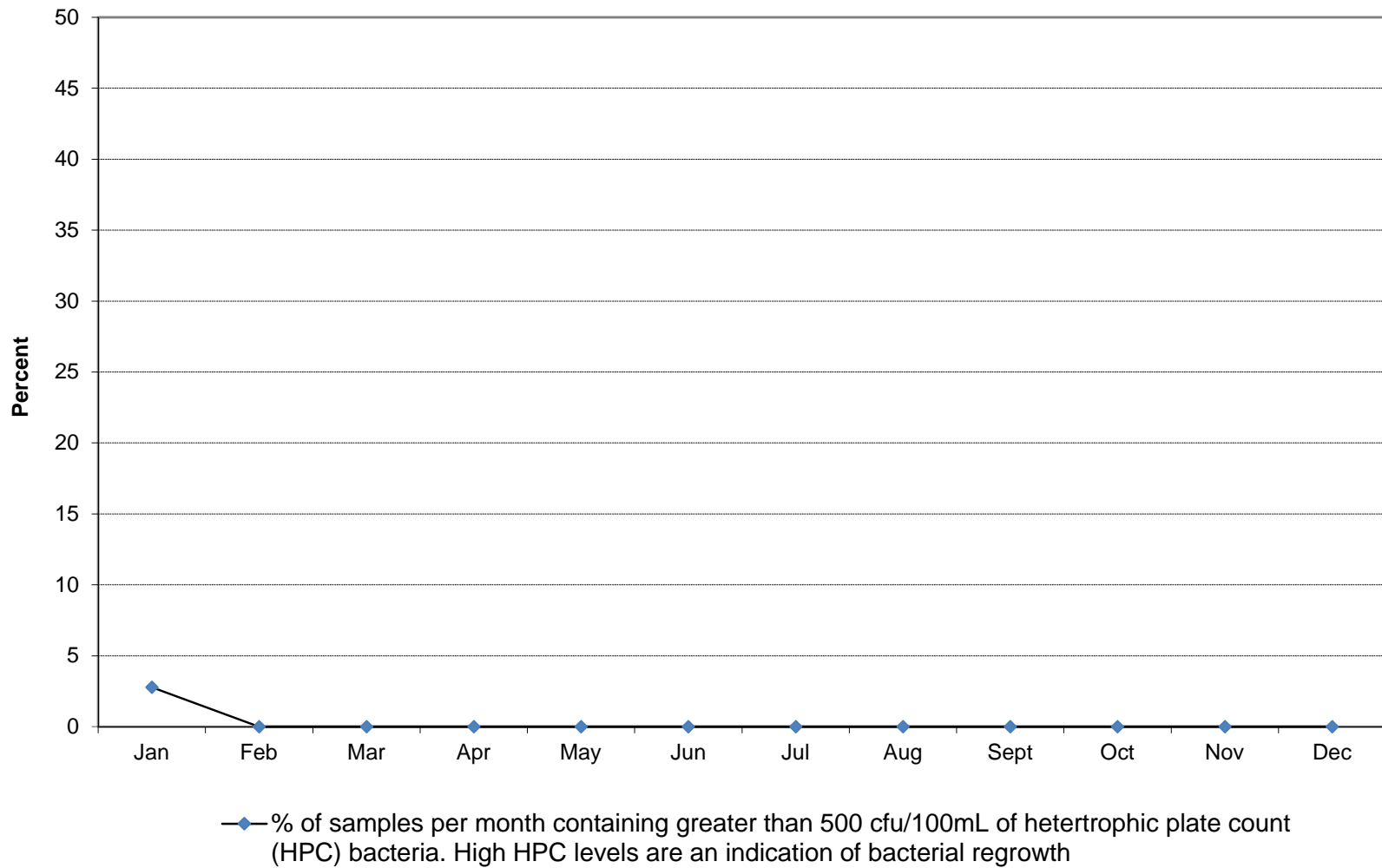
Vinyl Chloride Analysis - Winter

Analysis	Units	PMS-I
		Pitt Meadows Sampling Point (PMS-I)
		19/11/2024 10:43
		GRAB
Vinyl Chloride	µg/L	<1

APPENDIX – 4

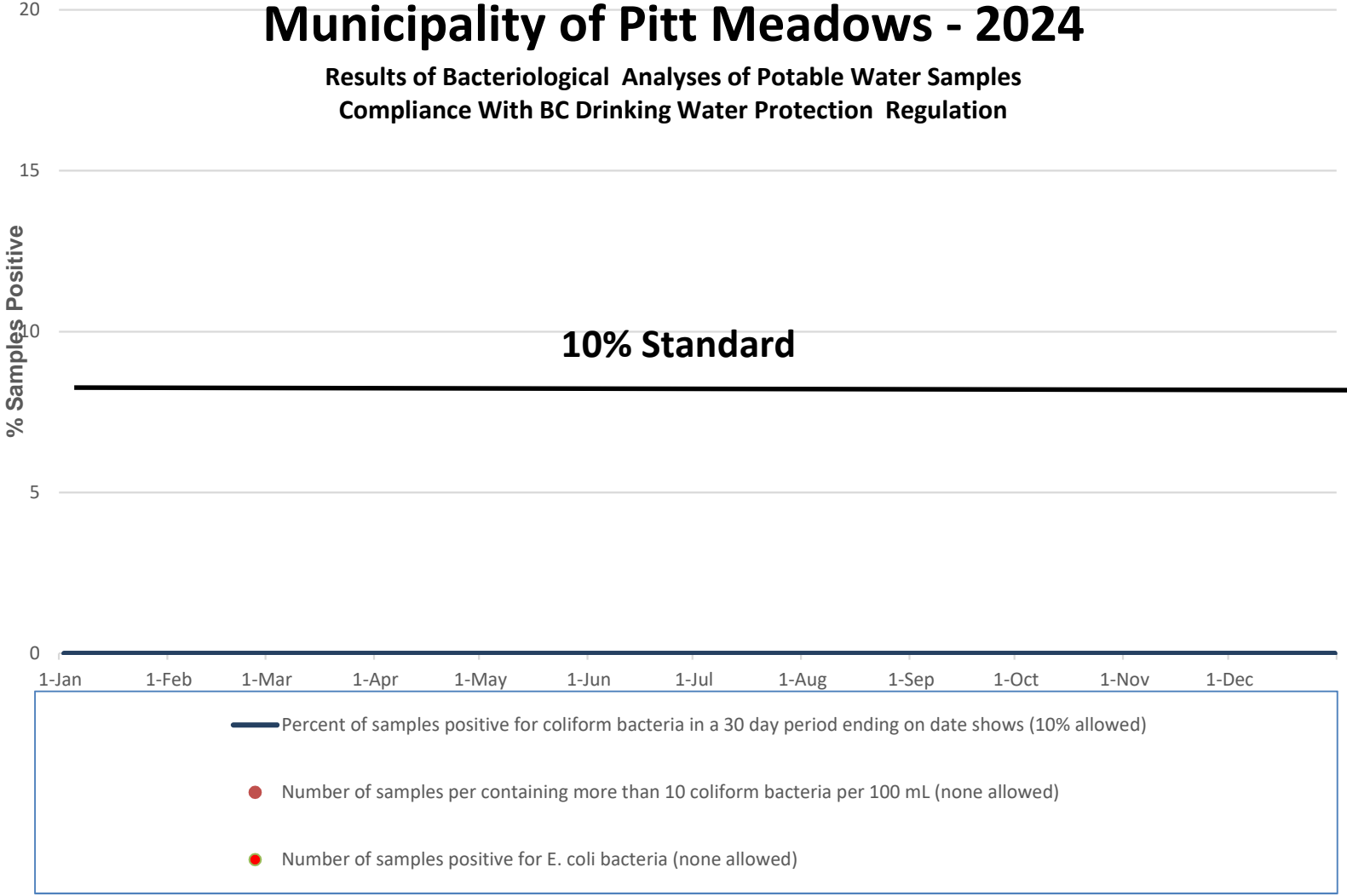
**BACTERIOLOGICAL ANALYSIS OF POTABLE WATER
SAMPLES**

Municipality of Pitt Meadows - 2024

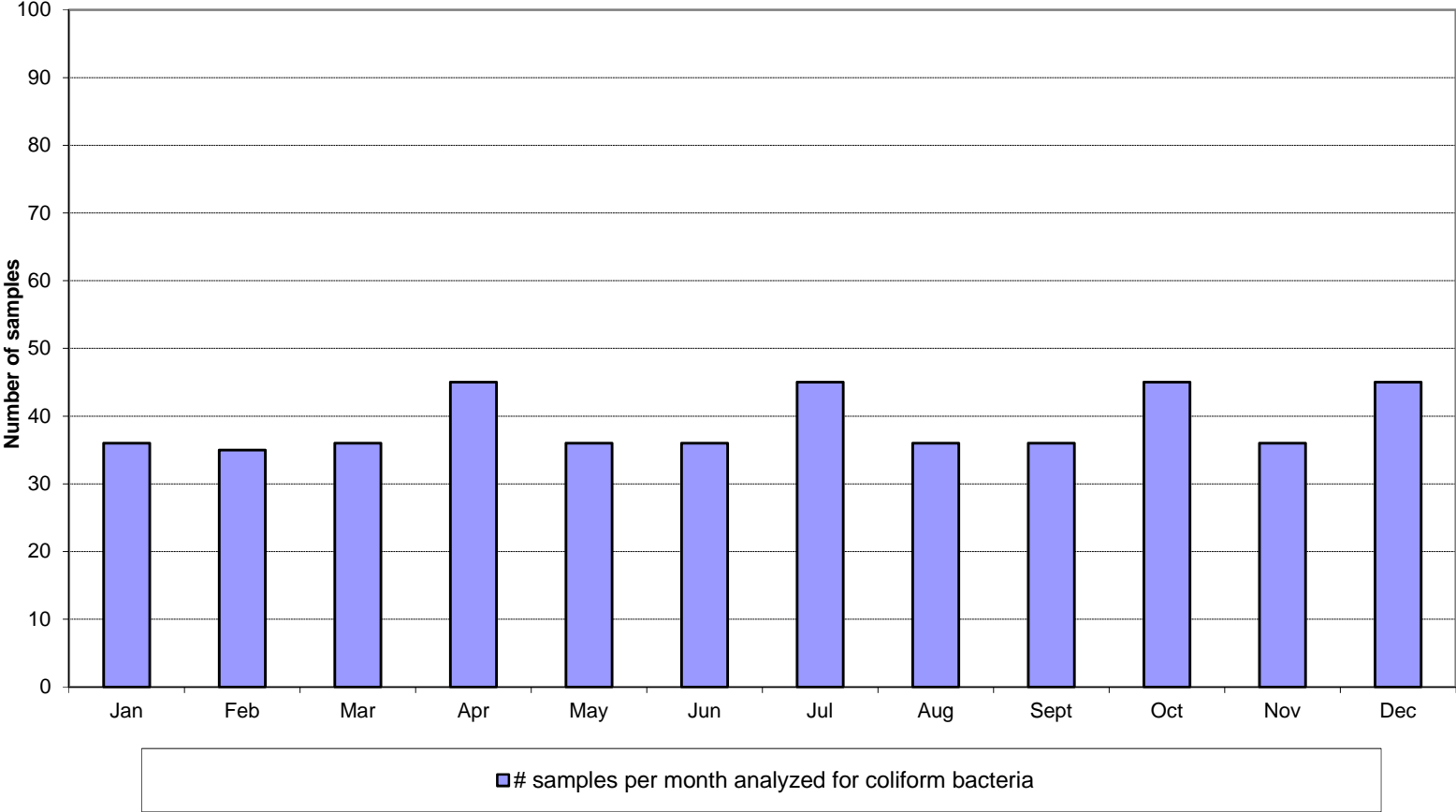


Municipality of Pitt Meadows - 2024

Results of Bacteriological Analyses of Potable Water Samples
Compliance With BC Drinking Water Protection Regulation



Municipality of Pitt Meadows - 2024



APPENDIX – 5

**WEEKLY SAMPLE RESULTS – GREATER VANCOUVER
WATER DISTRICT SAMPLE STATION GV-012 IN PORT
MOODY AND GV-071 IN MAPLE RIDGE**

GVS-012 Port Moody Results:

Sampled date	Chlorine Free (mg/L)	E.coli (CFU/100mLs)	HPC (CFU/mL)	pH (pH units)	Temperature (°C)	Total Coliform (CFU/100mLs)
2024-01-07 12:29	1.46	<1	<2	8.3	6.3	<1
2024-01-10 12:19	1.65	<1	2	8.2	6.1	<1
2024-01-14 10:16	1.33	<1	<2	7.9	4.5	<1
2024-01-21 11:42	1.28	<1	<2	8.3	4.5	<1
2024-01-28 11:19	1.23	<1	<2	8.4	5.6	<1
2024-01-31 11:57	0.89	<1	<2	8.4	5.8	<1
2024-02-04 11:07	1.25	<1	<2	8	6	<1
2024-02-11 10:53	1.25	<1	<2	8.3	5.4	<1
2024-02-22 09:54	0.99	<1	<2		5.8	<1
2024-02-29 11:24	0.98	<1	<2	8.2	4.9	<1
2024-03-03 10:18	0.92	<1	<2	8.3	4.8	<1
2024-03-10 10:51	1	<1	<2	8.2	5	<1
2024-03-17 10:52	1.09	<1	<2	8.4	6.3	<1
2024-03-24 10:24	0.84	<1	<2	7.9	6	<1
2024-03-31 10:31	1.04	<1	<2	8.1	6	<1
2024-04-10 12:33	0.75	<1	12	8.2	7.1	<1
2024-04-14 10:46	0.93	<1	<2	8	6	<1
2024-04-17 11:39	0.86	<1	4	8.2	6.6	<1
2024-04-21 10:30	1.06	<1	<2	8.3	6.3	<1
2024-04-28 10:48	0.91	<1	<2	8.2	6.6	<1
2024-05-05 11:06	0.97	<1	<2	8.2	7.2	<1
2024-05-12 10:37	1.07	<1	<2	8.1	7.7	<1
2024-05-19 11:06	1.05	<1	<2	8.2	8	<1
2024-05-31 11:31	0.89	<1	<2	8.3	8.9	<1
2024-06-02 10:32	0.99	<1	4	8.3	8.9	<1
2024-06-15 09:36	1.04	<1	6	8.1	10.6	<1
2024-06-16 11:07	1.02	<1	30	8.2	9.5	<1
2024-06-27 12:00	0.9	<1	2	8.3	11.3	<1
2024-06-30 11:01	0.91	<1	2	8.2	10.4	<1
2024-07-03 11:40	0.96	<1	16	8.2	12.2	<1
2024-07-12 10:44	0.97	<1	540	8.2	11.8	<1
2024-07-19 07:56	0.92	<1	6	8.4	13.4	<1
2024-07-21 10:34	1.14	<1	<2	8.3	13.5	<1
2024-07-28 11:18	1.12	<1	2	8.5	13	<1

Sampled date	Chlorine Free (mg/L)	E.coli (CFU/100mLs)	HPC (CFU/mL)	pH (pH units)	Temperature (°C)	Total Coliform (CFU/100mLs)
2024-08-08 09:17	0.99	<1	96	8.3	12.2	<1
2024-08-15 11:52	0.7	<1	4	8.3	13.2	<1
2024-08-18 11:36	0.87	<1	280	8.2	13.1	<1
2024-08-25 10:54	1.04	<1	2	8.2	13	<1
2024-09-08 10:40	1.09	<1	<2	8.3	14.2	<1
2024-09-15 12:16	1.25	<1	<2	8.2	13.4	<1
2024-09-22 11:27	1.17	<1	2	8.4	14.3	<1
2024-09-29 12:22	1.03	<1	2	8.1	12.6	<1
2024-10-08 12:01	1.03	<1	2	8.3	13.5	<1
2024-10-18 12:01	0.86	<1	2	8.3	12.6	<1
2024-10-25 08:33	1.19	<1	<2		10	<1
2024-11-01 11:51	1.04	<1	<2	8.3	10.8	<1
2024-11-07 09:21	1.21	<1	<2		10.8	<1
2024-11-16 09:58	0.98	<1	<2		8.7	<1
2024-11-23 12:02	0.94	<1	8	8.1	8.7	<1
2024-12-10 12:45	0.66	<1	2	8.3	7.3	<1
2024-12-19 11:10	1.31	<1	<2	8.3	6.5	<1

GVS-071 Maple Ridge Results:

Sampled date	Chlorine Free (mg/L)	E.coli (CFU/100mLs)	HPC (CFU/mL)	pH (pH units)	Temperature (°C)	Total Coliform (CFU/100mLs)
2024-01-03 12:38	1.08	<1	<2	8.2	7	<1
2024-01-10 11:18	1.07	<1	NA	8.1	6.4	<1
2024-01-16 11:16	1.15	<1	<2	8.4	4.2	<1
2024-01-22 12:37	0.92	<1	<2	8.4	5	<1
2024-01-29 12:14	1.09	<1	<2	8.2	6	<1
2024-02-05 11:14	1.15	<1	<2	8	6	<1
2024-02-14 11:11	0.92	<1	<2	8.4	5.9	<1
2024-02-23 08:18	0.67	<1	<2	8.2	6.1	<1
2024-02-28 10:57	0.97	<1	<2	8.2	5.9	<1
2024-03-07 11:33	1	<1	<2	8.1	5	<1
2024-03-15 09:39	0.81	<1	4	8.1	5.4	<1
2024-03-20 10:25	0.94	<1	<2	8.3	6.1	<1
2024-03-27 11:06	1.01	<1	2	8.1	5.8	<1
2024-04-04 10:47	0.87	<1	2	8.2	6	<1
2024-04-09 11:11	0.79	<1	<2	8.1	7	<1
2024-04-16 11:46	0.93	<1	<2	8.1	6.8	<1
2024-04-23 10:59	0.63	<1	<2	8.2	7.7	<1
2024-04-29 11:50	0.87	<1	<2	8	7.3	<1
2024-05-03 08:35	0.8	<1	<2	8.2	7	<1
2024-05-07 12:22	0.9	<1	<2	8.3	7	<1
2024-05-13 12:03	0.76	<1	2	8.5	7.8	<1
2024-05-24 10:15	0.88	<1	<2	8.4	8.4	<1
2024-05-29 10:57	0.96	<1	24	8.3	7.9	<1
2024-06-06 10:51	0.74	<1	<2	8.1	9.8	<1
2024-06-10 11:07	0.79	<1	<2	8.2	9.8	<1
2024-06-20 11:56	0.91	<1	4	8.3	10	<1
2024-06-25 11:53	0.61	<1	2	8.5	10.3	<1
2024-07-04 09:05	0.9	<1	<2	8.6	9.8	<1
2024-07-12 10:08	0.77	<1	4		11.5	<1
2024-07-18 11:22	0.79	<1	<2	8.3	11.7	<1
2024-07-22 12:23	0.93	<1	<2	8.3	11.8	<1
2024-07-29 11:18	0.68	<1	130	8.2	11.2	<1
2024-08-07 09:24	0.86	<1	94	8.1	12.9	<1
2024-08-14 12:01	0.89	<1	70	8.5	12.6	<1

Sampled date	Chlorine Free (mg/L)	E.coli (CFU/100mLs)	HPC (CFU/mL)	pH (pH units)	Temperature (°C)	Total Coliform (CFU/100mLs)
2024-08-22 11:44	0.85	<1	66	8.5	13.6	<1
2024-08-27 12:30	0.85	<1	28	8.4	12.9	<1
2024-09-04 11:53	0.79	<1	<2	8.2	14.1	<1
2024-09-09 12:06	0.82	<1	20	8.5	13.5	<1
2024-09-19 07:55	0.75	<1	200	8.2	13.2	<1
2024-09-24 09:44	0.7	<1	24	8.2	14.5	<1
2024-10-04 09:48	0.85	<1	28	8.1	13.3	<1
2024-10-11 10:52	0.79	<1	30		12.8	<1
2024-10-22 10:51	1.13	<1	84	8.2	11.1	<1
2024-10-30 11:32	1.04	<1	<2	8.4	11	<1
2024-11-05 08:25	1.27	<1	30	8.1	10.5	<1
2024-11-14 11:31	0.66	<1	4		10	<1
2024-11-20 10:50	0.77	<1	<2		9.2	<1
2024-11-28 11:56	0.81	<1	<2		8	<1
2024-12-04 11:52	0.59	<1	<2		7.8	<1
2024-12-09 12:12	0.72	<1	4	8.2	8.9	<1
2024-12-16 12:19	1.04	<1	<2	8.2	6.9	<1
2024-12-23 12:11	1.27	<1	NA		7.2	<1

APPENDIX – 6

**SOURCE WATER QUALITY – COQUITLAM, SEYMOUR AND
CAPILANO WATERSHEDS**

Physical and Chemical Analysis of Water Supply

2024 – Capilano Water System

Parameter	Untreated ¹	Treated ²		Days Exceeded	Canadian Guideline	
	Average	Average	Range		Limit ³	Reason Established
Alkalinity as CaCO ₃ (mg/L)	3.2	21	18-23	N/A	None	N/A
Aluminum Dissolved (µg/L)	57	27	15-53	N/A	None	N/A
Aluminum Total (µg/L)	145	29	15-58	0	2,900	Health
Antimony Total (µg/L)	<0.5	<0.5	<0.5	0	6	Health
Arsenic Total (µg/L)	<0.5	<0.5	<0.5	0	10 (ALARA)	Health
Barium Total (µg/L)	3.0	2.9	1.9-3.7	0	2,000	Health
Boron Total (µg/L)	<10	<10	<10	0	5,000	Health
Bromate (µg/L)	<10	<10	<10	0	10	Health
Bromide (µg/L)	<10	<10	<10	N/A	None	N/A
Cadmium Total (µg/L)	<0.2	<0.2	<0.2	0	7	Health
Calcium Total (µg/L)	1240	8390	7,690-9,410	N/A	None	N/A
Carbon Organic - Dissolved (mg/L)	1.7	0.7	0.5-0.9	N/A	None	N/A
Carbon Organic - Total (mg/L)	1.7	0.7	0.5-1.1	N/A	None	N/A
Chlorate (µg/L)	<10	95	21-250	0	1,000	Health
Chloride (mg/L)	<0.5	2.9	2.2-3.6	0	≤250	Aesthetic
Chromium Total (µg/L)	0.07	<0.09	<0.05-0.39	0	50	Health
Cobalt Total (µg/L)	<0.5	<0.5	<0.5	N/A	None	N/A
Colour - Apparent (ACU)	15	<2	<2-3	N/A	None	N/A
Colour - True (TCU)	10	<1	<1-2	0	≤15	Aesthetic
Conductivity (µmhos/cm)	11	54	48-62	N/A	None	N/A
Copper Total (µg/L)	4.3	<0.5	<0.5	0	2,000/1,000	Aesthetic
Cyanide Total (mg/L)	<0.02	<0.02	<0.02	0	0.2	Health
Cyanobacterial Toxins – Microcystin – LR (µg/L)	<0.20	N/A	N/A	0	1.5	Health
Fluoride (mg/L)	<0.05	<0.05	<0.05	0	1.5	Health
Haloacetic Acids Total (µg/L)	<1	13	10-16	0	80 (ALARA)	Health
Hardness as CaCO ₃ (mg/L)	3.8	22.4	21.1-24.4	N/A	None	N/A
Iron Dissolved (µg/L)	43	<5	<5	N/A	None	N/A
Iron Total (µg/L)	158	<7	<5-13	0	≤300	Aesthetic
Lead Total (µg/L)	<0.5	<0.5	<0.5	0	5 (ALARA)	Health
Magnesium Total (µg/L)	181	228	194-306	N/A	None	N/A
Manganese Dissolved (µg/L)	5.9	2.2	1.3-3.4	N/A	None	N/A
Manganese Total (µg/L)	8.3	5.5	3.0-11.5	0	120/20	Aesthetic
Mercury Total (µg/L)	<0.05	<0.05	<0.05	0	1	Health
Molybdenum Total (µg/L)	<0.5	<0.5	<0.5	N/A	None	N/A
Nickel Total (µg/L)	<0.5	<0.5	<0.5	N/A	None	N/A
Nitrogen - Ammonia as N (mg/L)	<0.02	<0.02	<0.02	N/A	None	N/A
Nitrogen - Nitrate as N (mg/L)	0.06	0.05	0.03-0.09	0	10	Health
Nitrogen - Nitrite as N (mg/L)	<0.01	<0.01	<0.01	0	1	Health
pH (pH units)	6.5	8.1	7.8-8.3	0	7.0-10.5	Aesthetic
Phenol (mg/L)	<0.005	<0.005	<0.005	N/A	None	N/A
Potassium Total (µg/L)	206	182	137-249	N/A	None	N/A
Residue Total (mg/L)	16	35	32-40	N/A	None	N/A
Residue Total Dissolved (TDS) (mg/L)	10	30	30-40	0	≤500	Aesthetic
Residue Total Fixed (mg/L)	9	28	24-32	N/A	None	N/A
Residue Total Volatile (mg/L)	7	8	6-10	N/A	None	N/A
Selenium Total (µg/L)	<0.5	<0.5	<0.5	0	50	Health
Silica as SiO ₂ (mg/L)	3.5	3.5	2.6-4.3	N/A	None	N/A
Silver Total (µg/L)	<0.5	<0.5	<0.5	N/A	None	N/A
Sodium Total (µg/L)	618	1,820	1,540-2,430	0	≤200,000	Aesthetic
Trihalomethanes Total (µg/L)	<4	22	17-24	0	100	Health
Turbidity (NTU)	1.5	0.17	0.10-0.42	N/A	None ⁴	N/A
Uranium Total (µg/L)	<0.5	<0.5	<0.5	0	20	Health
UV Absorbance 254 nm (Abs/cm)	0.069	0.011	0.009-0.016	N/A	None	N/A
Zinc Total (µg/L)	<3	<3	<3	0	≤5,000	Aesthetic

¹Untreated water is sampled from the source intake.

²Treated water is sampled prior to entering the Capilano transmission system.

³Limits are from the *Guidelines for Canadian Drinking Water Quality*.

⁴*Guidelines for Canadian Drinking Water Quality* recommends that water entering the distribution system does not have turbidity levels exceeding 1.0 NTU.

Physical and Chemical Analysis of Water Supply

2024 – Seymour Water System

Parameter	Untreated ¹	Treated ²		Days Exceeded	Canadian Guideline	
	Average	Average	Range		Limit ³	Reason Established
Alkalinity as CaCO ₃ (mg/L)	4.0	21	18-24	N/A	None	N/A
Aluminum Dissolved (µg/L)	48	26	15-53	N/A	None	N/A
Aluminum Total (µg/L)	88	29	15-60	0	2,900	Health
Antimony Total (µg/L)	<0.5	<0.5	<0.5	0	6	Health
Arsenic Total (µg/L)	<0.5	<0.5	<0.5	0	10 (ALARA)	Health
Barium Total (µg/L)	3.4	3.2	2.9-3.7	0	2,000	Health
Boron Total (µg/L)	<10	<10	<10	0	5,000	Health
Bromate (µg/L)	<10	<10	<10	0	10	Health
Bromide (µg/L)	<10	<10	<10	N/A	None	N/A
Cadmium Total (µg/L)	<0.2	<0.2	<0.2	0	7	Health
Calcium Total (µg/L)	1,690	8,520	7,750-9,380	N/A	None	N/A
Carbon Organic - Dissolved (mg/L)	1.5	0.7	0.5-0.9	N/A	None	N/A
Carbon Organic - Total (mg/L)	1.6	0.7	0.6-1.0	N/A	None	N/A
Chlorate (µg/L)	<10	95	21-250	0	1,000	Health
Chloride (mg/L)	<0.5	2.8	2.2-3.7	0	≤250	Aesthetic
Chromium Total (µg/L)	<0.05	<0.05	<0.05	0	50	Health
Cobalt Total (µg/L)	<0.5	<0.5	<0.5	N/A	None	N/A
Colour - Apparent (ACU)	15	<2	<2-3	N/A	None	N/A
Colour - True (TCU)	10	<1	<1-2	0	≤15	Aesthetic
Conductivity (µmhos/cm)	13	54	47-60	N/A	None	N/A
Copper Total (µg/L)	18.6	<0.5	<0.5	0	2,000/1,000	Aesthetic
Cyanide Total (mg/L)	<0.02	<0.02	<0.02	0	0.2	Health
Cyanobacterial Toxins – Microcystin – LR (µg/L)	<0.20	N/A	N/A	0	1.5	Health
Fluoride (mg/L)	<0.05	<0.05	<0.05	0	1.5	Health
Haloacetic Acids Total (µg/L)	<1	11	10-13	0	80 (ALARA)	Health
Hardness as CaCO ₃ (mg/L)	4.8	22.3	20.7-24.3	N/A	None	N/A
Iron Dissolved (µg/L)	60	<5	<5	N/A	None	N/A
Iron Total (µg/L)	151	9	5-14	0	≤300	Aesthetic
Lead Total (µg/L)	<0.5	<0.5	<0.5	0	5 (ALARA)	Health
Magnesium Total (µg/L)	153	238	212-308	N/A	None	N/A
Manganese Dissolved (µg/L)	4.4	3.0	2.1-4.6	N/A	None	N/A
Manganese Total (µg/L)	7.2	5.7	3.5-9.7	0	120/20	Aesthetic
Mercury Total (µg/L)	<0.05	<0.05	<0.05	0	1	Health
Molybdenum Total (µg/L)	<0.5	<0.5	<0.5	N/A	None	N/A
Nickel Total (µg/L)	<0.5	<0.5	<0.5	N/A	None	N/A
Nitrogen - Ammonia as N (mg/L)	<0.02	<0.02	<0.02	N/A	None	N/A
Nitrogen - Nitrate as N (mg/L)	0.05	0.05	0.03-0.09	0	10	Health
Nitrogen - Nitrite as N (mg/L)	<0.01	<0.01	<0.01	0	1	Health
pH (pH units)	6.6	8.0	7.7-8.2	0	7.0-10.5	Aesthetic
Phenol (mg/L)	<0.005	<0.005	<0.005	N/A	None	N/A
Potassium Total (µg/L)	188	201	156-250	N/A	None	N/A
Residue Total (mg/L)	17	36	31-40	N/A	None	N/A
Residue Total Dissolved (TDS) (mg/L)	10	30	30-40	0	≤500	Aesthetic
Residue Total Fixed (mg/L)	10	29	23-33	N/A	None	N/A
Residue Total Volatile (mg/L)	6	7	5-11	N/A	None	N/A
Selenium Total (µg/L)	<0.5	<0.5	<0.5	0	50	Health
Silica as SiO ₂ (mg/L)	3.4	3.5	2.6-4.3	N/A	None	N/A
Silver Total (µg/L)	<0.5	<0.5	<0.5	N/A	None	N/A
Sodium Total (µg/L)	560	1840	1,540-2,430	0	≤200,000	Aesthetic
Trihalomethanes Total (µg/L)	<4	20	15-22	0	100	Health
Turbidity (NTU)	0.60	0.19	0.09-0.48	N/A	None ⁴	N/A
Uranium Total (µg/L)	<0.5	<0.5	<0.5	0	20	Health
UV Absorbance 254 nm (Abs/cm)	0.063	0.011	0.009-0.017	N/A	None	N/A
Zinc Total (µg/L)	<3	<3	<3	0	≤5,000	Aesthetic

¹Untreated water is sampled prior to the Seymour Capilano Filtration Plant.

²Treated water is sampled prior to entering the Seymour transmission system.

³Limits are taken from the *Guidelines for Canadian Drinking Water Quality*.

⁴*Guidelines for Canadian Drinking Water Quality* recommends that water entering the distribution system have turbidity levels of 1.0 NTU or less.

Physical and Chemical Analysis of Water Supply

2024 – Coquitlam Water System

Parameter	Untreated ¹	Treated ²		Days Exceeded	Canadian Guideline	
	Average	Average	Range		Limit ³	Reason Established
Alkalinity as CaCO ₃ (mg/L)	2.0	21	19-23	N/A	None	N/A
Aluminum Dissolved (µg/L)	57	61	43-73	N/A	None	N/A
Aluminum Total (µg/L)	77	77	51-105	0	2,900	Health
Antimony Total (µg/L)	<0.5	<0.5	<0.5	0	6	Health
Arsenic Total (µg/L)	<0.5	<0.5	<0.5	0	10 (ALARA)	Health
Barium Total (µg/L)	2.2	2.2	2.0-2.5	0	2,000	Health
Boron Total (µg/L)	<10	<10	<10	0	5,000	Health
Bromate (µg/L)	<10	<10	<10	0	10	Health
Bromide (µg/L)	<10	<10	<10	N/A	None	N/A
Cadmium Total (µg/L)	<0.2	<0.2	<0.2	0	7	Health
Calcium Total (µg/L)	844	835	798-919	N/A	None	N/A
Carbon Organic - Dissolved (mg/L)	1.6	1.6	1.3-2.1	N/A	None	N/A
Carbon Organic - Total (mg/L)	1.8	1.6	1.3-2.3	N/A	None	N/A
Chlorate (µg/L)	<10	150	19-370	0	1,000	Health
Chloride (mg/L)	<0.5	2.5	1.9-3.3	0	≤250	Aesthetic
Chromium Total (µg/L)	<0.05	<0.05	<0.05	0	50	Health
Cobalt Total (µg/L)	<0.5	<0.5	<0.5	N/A	None	N/A
Colour - Apparent (ACU)	12	<2	<2-7	N/A	None	N/A
Colour - True (TCU)	9	<1	<1-4	0	≤15	Aesthetic
Conductivity (µmhos/cm)	8	51	46-55	N/A	None	N/A
Copper Total (µg/L)	<0.5	<0.5	<0.5	0	2,000/1,000	Aesthetic
Cyanide Total (mg/L)	<0.02	<0.02	<0.02	0	0.2	Health
Cyanobacterial Toxins – Microcystin – LR (µg/L)	<0.20	N/A	N/A	0	1.5	Health
Fluoride (mg/L)	<0.05	<0.05	<0.05	0	1.5	Health
Haloacetic Acids Total (µg/L)	<1	8	5-16	0	80 (ALARA)	Health
Hardness as CaCO ₃ (mg/L)	2.5	2.5	2.3-2.7	N/A	None	N/A
Iron Dissolved (µg/L)	14	15	9-26	N/A	None	N/A
Iron Total (µg/L)	48	46	26-276	0	≤300	Aesthetic
Lead Total (µg/L)	<0.5	<0.5	<0.5	0	5 (ALARA)	Health
Magnesium Total (µg/L)	95	95	82-103	N/A	None	N/A
Manganese Dissolved (µg/L)	3.5	2.5	1.7-3.5	N/A	None	N/A
Manganese Total (µg/L)	4.1	3.2	2.3-4.3	0	120/20	Aesthetic
Mercury Total (µg/L)	<0.05	<0.05	<0.05	0	1	Health
Molybdenum Total (µg/L)	<0.5	<0.5	<0.5	N/A	None	N/A
Nickel Total (µg/L)	<0.5	<0.5	<0.5	N/A	None	N/A
Nitrogen - Ammonia as N (mg/L)	<0.02	<0.02	<0.02	N/A	None	N/A
Nitrogen - Nitrate as N (mg/L)	0.07	0.07	0.05-0.09	0	10	Health
Nitrogen - Nitrite as N (mg/L)	<0.01	<0.01	<0.01	0	1	Health
pH (pH units)	6.3	8.3	7.7-8.7	0	7.0-10.5	Aesthetic
Phenol (mg/L)	<0.005	<0.005	<0.005	N/A	None	N/A
Potassium Total (µg/L)	120	121	114-132	N/A	None	N/A
Residue Total (mg/L)	13	37	33-44	N/A	None	N/A
Residue Total Dissolved (TDS) (mg/L)	10	40	30-40	0	≤500	Aesthetic
Residue Total Fixed (mg/L)	7	25	21-27	N/A	None	N/A
Residue Total Volatile (mg/L)	6	12	10-17	N/A	None	N/A
Selenium Total (µg/L)	<0.5	<0.5	<0.5	0	50	Health
Silica as SiO ₂ (mg/L)	2.6	2.6	2.4-2.8	N/A	None	N/A
Silver Total (µg/L)	<0.5	<0.5	<0.5	N/A	None	N/A
Sodium Total (µg/L)	461	10,500	9,500-11,300	0	≤200,000	Aesthetic
Trihalomethanes Total (µg/L)	<4	7.4	4-14	0	100	Health
Turbidity (NTU)	0.57	0.51	0.13-10	N/A	None ⁴	N/A
Uranium Total (µg/L)	<0.5	<0.5	<0.5	0	20	Health
UV Absorbance 254 nm (Abs/cm)	0.063	0.019	0.015-0.048	N/A	None	N/A
Zinc Total (µg/L)	<3	<3	<3	0	≤5,000	Aesthetic

¹Untreated water is sampled from the source intake.

²Treated water is sampled prior to entering the Coquitlam transmission system.

³Limits are taken from the *Guidelines for Canadian Drinking Water Quality*.

⁴*Guidelines for Canadian Drinking Water Quality* recommends that water entering the distribution system have turbidity levels of 1.0 NTU or less.

APPENDIX – 7

**PHYSICAL AND CHEMICAL ANALYSIS – COQUITLAM
WATER SYSTEM**

Analysis of Source Waters for Herbicides, Pesticides, and other Organic Compounds

Parameter	Capilano (µg/L)	Seymour (µg/L)	Coquitlam (µg/L)	MAC (µg/L)	AO (µg/L)
	June 4	June 4	June 4		
Herbicides					
2,4-Dichlorophenoxyacetic acid (2,4-D)	<1.0	<1.0	<1.0	100	None
Bromoxynil	<0.50	<0.50	<0.50	30	None
Dicamba	<1.0	<1.0	<1.0	110	None
Diclofop-methyl	<0.90	<0.90	<0.90	None	None
Diquat	<7.0	<7.0	<7.0	50	None
Diuron	<10	<10	<10	None	None
Glyphosate	<10	<10	<10	280	None
4-Chloro-2-methylphenoxyacetic acid (MCPA)	<10	<10	<10	350	None
Metribuzin (Sencor)	<5.0	<5.0	<5.0	80	None
Paraquat	<1.0	<1.0	<1.0	None	None
Picloram	<5.0	<5.0	<5.0	None	None
Pesticides					
Atrazine	<0.50	<0.50	<0.50	5	None
Carbaryl	<5.0	<5.0	<5.0	None	None
Carbofuran	<5.0	<5.0	<5.0	None	None
Chlorpyrifos (Dursban)	<1.0	<1.0	<1.0	90	None
Diazinon	<1.0	<1.0	<1.0	None	None
Dimethoate	<2.5	<2.5	<2.5	20	None
Guthion (Azinphos-methyl)	<2.0	<2.0	<2.0	None	None
Malathion	<5.0	<5.0	<5.0	290	None
Metolachlor	<0.50	<0.50	<0.50	None	None
Phorate (Thimet)	<0.50	<0.50	<0.50	None	None
Simazine	<1.0	<1.0	<1.0	None	None
Terbufos	<0.50	<0.50	<0.50	None	None
Trifluralin	<1.0	<1.0	<1.0	None	None
Other Organic Compounds					
Phenolics					
2,3,4,6-tetrachlorophenol	<0.50	<0.50	<0.50	None	None
2,4,6-trichlorophenol	<0.50	<0.50	<0.50	5	≤2
2,4-dichlorophenol	<0.25	<0.25	<0.25	None	None
Pentachlorophenol	<0.50	<0.50	<0.50	60	≤30

Analysis of Source Waters for Herbicides, Pesticides, and other Organic Compounds Continued

Parameter	Capilano (µg/L)	Seymour (µg/L)	Coquitlam (µg/L)	MAC (µg/L)	AO (µg/L)
	June 4	June 4	June 4		
Volatile Organics					
1,1-dichloroethene	<0.50	<0.50	<0.50	None	None
1,2-dichlorobenzene	<0.50	<0.50	<0.50	None	None
1,2-dichloroethane	<0.50	<0.50	<0.50	5	None
1,4-dichlorobenzene	<0.50	<0.50	<0.50	5	≤1
Benzene	<0.40	<0.40	<0.40	5	None
Carbon tetrachloride	<0.50	<0.50	<0.50	2	None
Chlorobenzene	<0.50	<0.50	<0.50	None	None
Dibromomethane	<0.90	<0.90	<0.90	None	None
Dichloromethane	<2.0	<2.0	<2.0	50	None
Ethylbenzene	<0.40	<0.40	<0.40	140	1.6
Methyl-tert-butylether (MTBE)	<4.0	<4.0	<4.0	None	≤15
Tetrachloroethene	<0.50	<0.50	<0.50	10	None
Toluene	<0.40	<0.40	<0.40	60	24
Trichloroethene	<0.50	<0.50	<0.50	5	None
Vinyl chloride	<0.50	<0.50	<0.50	2 (ALARA)	None
m & p-Xylene	<0.40	<0.40	<0.40	None	None
o-Xylene	<0.40	<0.40	<0.40	None	None
Xylenes (Total)	<0.40	<0.40	<0.40	90	20
Miscellaneous					
Nitritotriacetic acid (NTA) (mg/L)	<0.050	<0.050	<0.050	0.4 mg/L	None
N-Nitrosodimethylamine (NDMA) (ng/L)	<1.9	<1.9	<1.9	40 ng/L	None

Monitoring of Selected GVWD Water Mains for BTEX

Parameter	Maple Ridge Main (µg/L)		Barnston Island Main at Willoughby Pump Station (µg/L)		Jericho Clayton Main (µg/L)		South Burnaby Main No. 2 (µg/L)		MAC (µg/L)	AO (µg/L)
	Jun 10	Nov 28	Jun 14	Dec 10	Jun 14	Nov 21	Jun 11	Dec 4		
Benzene	<0.5	<0.5	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	5	None
Ethyl Benzene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	140	1.6
Toluene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	60	24
m & p-Xylene	<1	<1	<1	<1	<1	<1	<1	<1	None	None
o-Xylene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	None	None
Total Xylenes	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	90	20
Total BTEX	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	None	None

Analysis of Source Water for PAHs

Parameter	Capilano (µg/L)		Seymour (µg/L)		Coquitlam (µg/L)	
	April 16	June 4	April 15	June 4	Apr 16	Sept 4
1-Methylnaphthalene	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
2-Methylnaphthalene	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Acenaphthene	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Acenaphthylene	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Acridine	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Anthracene	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Benzo(a)anthracene	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Benzo(a)pyrene ¹	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Benzo(b&j)fluoranthene	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030
Benzo(g,h,i)perylene	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Benzo(k)fluoranthene	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Chrysene	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Dibenz(a,h)anthracene	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
Fluoranthene	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Fluorene	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Indeno(1,2,3-cd)pyrene	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Naphthalene	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Phenanthrene	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Pyrene	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Quinoline	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Total PAHs	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10

¹Benzo(a)pyrene is the only PAH compound that has a GCDWQ limit. Maximum Acceptable Concentration of Benzo(a)pyrene is 0.04 µg/L.

Analysis of Selected GWD Mains for PAHs

Parameters	Coquitlam Main No. 2		Westburnco Reservoir		Barnston Island Main		Annacis Main No. 4		Whalley - Kennedy Link Main		Haney Main No. 2		36 Ave. Main	
	Apr 17	Sept 15	April 15	Sept 16	April 17	Sept 18	Apr 18	Sept 19	Apr 15	Sept 17	April 16	Sept 19	Apr 16	Sept 19
	(µg/L)		(µg/L)		(µg/L)		(µg/L)		(µg/L)		(µg/L)		(µg/L)	
1-Methylnaphthalene	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
2-Methylnaphthalene	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Acenaphthene	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Acenaphthylene	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Acridine	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Anthracene	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Benzo[a]anthracene	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Benzo[a]pyrene	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030
Benzo[b+g]fluoranthene	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Benzo[g,h,i]perylene	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Benzo[k]fluoranthene	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Chrysene	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
Dibenz[a,h]anthracene	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Fluoranthene	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Fluorene	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Indeno[1,2,3-c,d]pyrene	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Naphthalene	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Phenanthrene	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Pyrene	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Quinoline	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Total PAHs	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10

¹Benzo(a)pyrene is the only PAH compound that has a GCDWQ limit. Maximum Acceptable Concentration of Benzo(a)pyrene is 0.04 µg/L.

Analysis of Source Water for Radionuclides

Parameter	Capilano (Bq/L)	Seymour (Bq/L)	Coquitlam (Bq/L)	MAC (Bq/L)
	Nov 21	Nov 21	Nov 21	
Gross Alpha	<0.10	<0.10	<0.10	0.5
Gross Beta	<0.10	<0.10	<0.10	1
Cesium-134	<1	<1	<1	None
Cesium-137	<1	<1	<1	10
Iodine-131	<1	<1	<1	6
Lead-210	<0.10	<0.10	<0.10	0.2
Manganese-54	<1	<1	<1	None
Radium-226	<0.010	<0.010	<0.010	0.5
Radon-222	<10	<10	<10	None
Strontium-90	<0.10	<0.10	<0.10	5
Tritium	<20	<20	<20	7,000
Zinc-65	<1	<1	<1	None

APPENDIX – 8

2024 OPERATING PERMIT



fraserhealth

HEALTH
PROTECTION

PERMIT TO OPERATE

A Drinking Water System with
301-10000 Connections

Water Supplier: City of Pitt Meadows
Facility Name: City of Pitt Meadows Water System

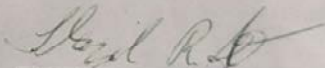
Conditions of Permit

By December 31, 2014, the drinking water that you provide must have undergone treatment that achieves the following:

1. At least a 4-log (99.99%) reduction and/or inactivation of viruses
2. At least a 3-log (99.9%) reduction and/or inactivation of Giardia cysts
3. At least a 3-log (99.9%) reduction and/or inactivation of Cryptosporidium oocysts

A written update on the status of the plan to meet these terms and conditions shall be submitted to Fraser Health Authority by March 31st of each calendar year.

29-Aug-2013
Effective Date


Environmental Health Officer

*This permit must be displayed
in a conspicuous place and is nontransferable*

