

Summerside



WATER SYSTEM REPORT

2017

Prepared By

Municipal Services - City of Summerside

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Water System Report
January – December, 2017
City of Summerside, Prince Edward Island
Department of Municipal Services

Introduction

The City of Summerside began sampling and testing drinking water on a bi-weekly basis in the 1960’s. In 2001 Summerside established the present policy for water sampling. This policy ensures that the drinking water quality in Summerside is maintained according to the standards set out in the Guidelines for Canadian Drinking Water Quality. In unique situations which are not addressed by these Guidelines, the City is committed to follow the guidance of the PEI Chief Health Officer. This report fulfills the City’s regulated requirement for summarizing system water quality on an annual basis and is intended to be public information.

Summary

City officials have divided the water distribution system into 8 representative areas. Water samples (one from each area as well as one from each active well) are collected and analyzed for bacteria every two weeks. The number of sample locations and frequency of sampling was determined in accordance with the Guidelines for Canadian Drinking Water Quality. **Table 1** lists below the most commonly used sample locations for 2017.

Sample Location	Civic Address (Summerside, P.E.I.)	City Sampling Zone
St. Eleanor’s Community Center	1 West Drive	1
Illsley’s Feed Store	61 Mill Crescent	2
Granville Street Convenience	486 Granville Street	3
Summerset Manor (Utility Room)	15 Frank Mellish Street	3
Lions Club Senior’s Residence	326 Brophy Avenue	4
Summerside Fire Hall #1	251 Foundry Street	5
ADL	79 Water Street	6
Ben’s Bakery Outlet Store	686 Water Street East	7
Read’s Corner Tim Horton’s	820 Water Street East	8
City Water Source Location		
S1 Well	411 Northmarket Street	6
S7 Well	123 Walker Avenue	3
S8 Well	507 MacEwen Road	3
S10 Well	277 Greenwood Drive	2
SE4 Well	26 Briggs Street	1
Wilmot Well Field (5 wells)	855 Read Drive	8
SE # 1	156 South Drive	1

Table 1: Water Sample Locations

The sampling zones listed in Table 1 are shown below in **Figure 1: Summerside Water Sample Areas**. These 8 sampling zones were selected according to the EPA Drinking Water and Wastewater Facility Operating Regulations. If any of the regular sampling locations are inaccessible to City staff on a scheduled sampling day, an alternate location from the same zone is sampled as a substitute.

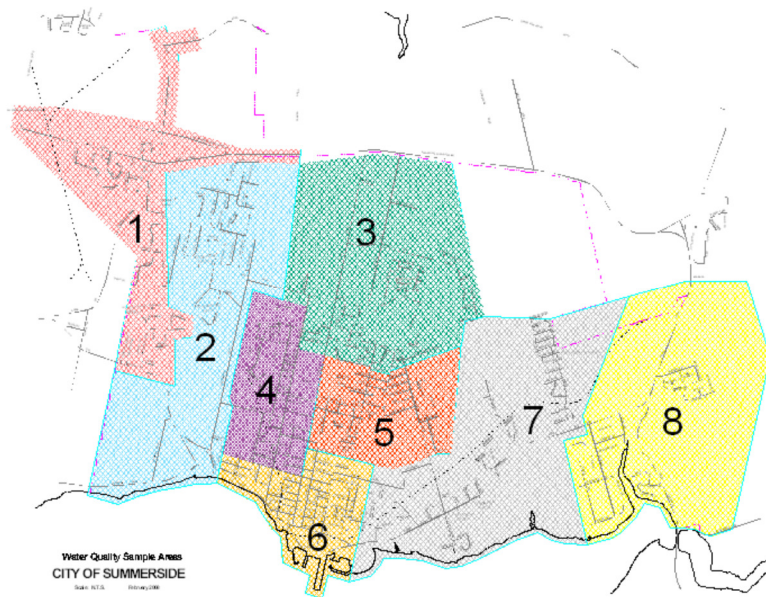


Figure 1: Summerside Water Sample Areas

Following collection, all water samples are sent to the Provincial Department of Environment Analytical Laboratory in Charlottetown. Each sample is tested for Total Coliforms DC and Escherichia Coli DC (E. Coli). In addition to the bacteria tests which are performed at the Provincial lab, the Free Chlorine Residual is analyzed and recorded by City Staff at the time of sample collection, as required by section 11(1)(e) of the Drinking Water and Wastewater Facility Operating Regulations.

Bacteria Testing Results

During the 2017 year 362 water samples from the City of Summerside water distribution system and wells were tested for Bacteria at the P.E.I. Analytical Laboratory. Of these 362 samples, 357 were taken from the public drinking water system as regular testing. The remaining 5 samples were taken because of requests from customers for testing services. 100% of samples taken for customer requests passed the requirements for the Guidelines for Canadian Drinking Water. There were also 3 samples which showed non-zero bacteria counts in 2017. No water was declared unfit to drink,

Chemistry Analysis

The EPA Drinking Water and Wastewater Facility Operating Regulations require all active wells to be subject to chemical analysis. A general chemical analysis of each well must be performed annually and a detailed analysis every three years. All water chemistry analysis for Summerside is performed at the Provincial Analytical Laboratory. The Guidelines for Canadian Drinking Water Quality set a Maximum Allowable Concentration (MAC) for various chemical contents of drinking water.

General chemistry analysis on water from all of Summerside's active wells was performed on April 18, 2017 and included in this report. As shown in the general chemistry spreadsheet, all wells contained water which falls within the Health Canada Guidelines for drinking water – that is to say that no water sample collected exceeded the Maximum Allowable Concentration (MAC) for any chemical component.

Summerside performs detailed chemical analysis on wells on a 3 year rotation as required by the province. These tests were performed in 2017 and will be performed again in 2020. Testing in 2017 showed that all water samples from all Summerside wells are compliant with Health Canada Guidelines for healthy drinking water.

During 2017 City of Summerside staff collected 74 samples for nitrate analysis. The Guidelines for Canadian Drinking Water Quality set 10 mg/L as the Maximum Allowable Concentration for Nitrates. All samples taken during 2017 from the Summerside system were within the allowable limits. The lowest Nitrate value measured for 2017 was 3.0 parts per million (ppm) and the highest value measured was 8.4 ppm.

Chlorination of Water System

Drinking water in the Summerside system is subject to only 1 type of treatment. Chlorine (as sodium hypochlorite liquid) is applied at each well. The goal of chlorination is to maintain a Free Chlorine Residual of at least 0.1 mg/L or higher at all points in the system at all times. This level of chlorination is the industry minimum standard for drinking water disinfection and is recommended by the Guidelines for Canadian Drinking Water Quality.

City Staff evaluate the free chlorine residual of each water sample used for bacteria testing. This means that on average 15 free chlorine residual tests are performed at the same locations as bacteria tests on a biweekly basis. Chlorine Residuals are also tested at each well 3 or 4 times per week. During 2017 the lowest chlorine level measured was 0.05 mg/L and the highest was 2.91 mg/L. Chlorine readings are shown in the Microchemistry spreadsheet and although these two values represent the highest and lowest measurements for the year they are by no means the typical measurements and the spreadsheet should be consulted for more information. Therefore, all chlorine residuals were within acceptable levels.

Statistic Summary

Statistic	Value for 2017
Samples Tested for Bacteria	363
Bacteria Tests done at Customer Request	5 (100% pass rate)
Bacteria Tests with non-zero results	3
Nitrate Samples Tested	74 (100% pass rate)
General Chemistry Tests	33– 100% pass rate
Highest Nitrate Concentration	8.4 ppm (10ppm allowable maximum)
Lowest Nitrate Concentration	3.0 ppm
Sampling Areas	8
Number of Active Wells in System	9
Highest Chlorine Residual Measured	2.91mg/L
Lowest Chlorine Residual Measured	0.05mg/L (0.1 minimum recommended)

Table 2: Statistic Summary for Summerside 2017

Table 2 Summarizes statistics for the Summerside water system for 2017. Please note that 4 spreadsheets of test results (Bacteria testing, Nitrate monitoring, General Well Chemistry, and Detailed Well Chemistry) are available on the City website and attached to this report. For help understanding results please feel free to contact the City.

Conclusion

The City of Summerside Municipal Works department continues to operate and maintain a safe water utility, delivering water which meets the Canadian Drinking Water Guidelines as set out by Health Canada. The public are welcome to contact the Municipal Services Department at 902-432-1268 with any questions.

Suggested Reading Material

1. Bacterial Drinking Water Analysis

This brochure was prepared by the PEI Department of Environment and explains how water samples are tested for bacteria on PEI. The handout also explains what types of bacteria are tested for and what the test results mean. <http://www.gov.pe.ca/photos/original/watertest.pdf>

2. Guidelines for Canadian Drinking Water Quality (Health Canada)

This detailed document lists the Maximum Allowable Concentration of numerous components which we test our water for.

<http://www.hc-sc.gc.ca/ewh-semt/water-eau/drink-potab/guide/index-eng.php>

Summerside

Free Chlorine Residual - Should be a minimum of 0.1 at all locations at all times

E. Coli. Bacteria Colony Count - required to be 0. If non-zero count is present water is deemed unfit for human consumption.

Total Coliforms Bacteria Colony Count - If 10 or less bacteria is present but not sufficient to regard water unfit for drinking. Water must be re-tested.

Background Growth Bacteria Colony Count - Must be below 200 at all times

10-Jan-17									
	Sample ID	Location	Date	Address	City Sample Zone	Free Chlorine Residual	Total Coliforms	E. Coli.	Background Growth
No. 1	P170110028	St. Eleanor's Community Center (Kitchen Sink)	10-Jan-17	1 West Drive	1	0.69	0	0	0
No. 2	P170110029	Illsley's Feed Store (Bathroom Sink)	10-Jan-17	61 Mill Cr.	2	0.79	0	0	0
No. 3	P170110030	Summerset Manor (Sink off #2 Water Softner)	10-Jan-17	15 Frank Mellish St	3	0.48	0	0	0
No. 4	P170110031	Lions Club Senior Housing (Common Room Sink)	10-Jan-17	326 Brophy St	4	0.87	0	0	0
No. 5	P170110032	Summerside Firehall (Station #1)	10-Jan-17	251 Foundry Street	5	0.40	0	0	0
No. 6	P170110033	ADL Plant	10-Jan-17	79 Water street	6	0.57	0	0	0
No. 7	P170110034	Bens Bakery Outlet Store (Bathroom Sink)	10-Jan-17	686 Water Street East	7	0.52	0	0	0
No. 8	P170110035	Tim Hortons Esso (Bakery Sink)	10-Jan-17	820 Water Street East	8	0.62	0	0	0
No. 9	P170110036	S1 Well (Well Head)	10-Jan-17	411 Northmarket St	6	0.79	0	0	0
No. 10	P170110037	Wilmot Wellfield (Well # 3 @ Pipe Gallery)	10-Jan-17	855 Read Drive	8	0.82	0	0	0
No. 11	P170110038	S10 Well (Well Head)	10-Jan-17	277 Greenwood Dr	2	0.71	0	0	0
No. 12	P170110039	SE4 (Well Head)	10-Jan-17	26 Briggs St	1	0.71	0	0	0
No. 13	P170110040	S8 Well (Well Head)	10-Jan-17	507 MacEwen Rd	3	0.66	0	0	0
No. 14	P170110041	Summerset Manor (Main Line in Meter Room)	10-Jan-17	15 Frank Mellish St	3	0.11	0	0	0
24-Jan-17									
	Sample ID	Location	Date	Address	City Sample Zone	Free Chlorine Residual	Total Coliforms	E. Coli.	Background Growth
No. 15	P170124031	St. Eleanor's Community Center (Kitchen Sink)	24-Jan-17	1 West Drive	1	0.73	0	0	0
No. 16	P170124032	Illsley's Feed Store (Bathroom Sink)	24-Jan-17	61 Mill Cr.	2	0.62	0	0	0
No. 17	P170124033	Summerset Manor (Sink off #2 Water Softner)	24-Jan-17	15 Frank Mellish St	3	0.45	0	0	0
No. 18	P170124034	Lions Club Senior Housing (Common Room Sink)	24-Jan-17	326 Brophy St	4	0.80	0	0	0
No. 19	P170124035	Summerside Firehall (Station #1)	24-Jan-17	251 Foundry Street	5	0.66	0	0	0
No. 20	P170124036	ADL Plant	24-Jan-17	79 Water street	6	0.62	0	0	0
No. 21	P170124037	Bens Bakery Outlet Store (Bathroom Sink)	24-Jan-17	686 Water Street East	7	0.67	0	0	0
No. 22	P170124038	Tim Hortons Esso (Bakery Sink)	24-Jan-17	820 Water Street East	8	0.52	0	0	0
No. 23	P170124039	S1 Well (Well Head)	24-Jan-17	411 Northmarket St	6	0.83	0	0	0
No. 24	P170124040	Wilmot Wellfield (Well # 3 @ Pipe Gallery)	24-Jan-17	855 Read Drive	8	0.81	0	0	0
No. 25	P170124041	S10 Well (Well Head)	24-Jan-17	277 Greenwood Dr	2	0.89	0	0	0
No. 26	P170124042	SE4 (Well Head)	24-Jan-17	26 Briggs St	1	0.86	0	0	0
No. 27	P170124043	S8 Well (Well Head)	24-Jan-17	507 MacEwen Rd	3	0.64	0	0	0

Summerside

Free Chlorine Residual - Should be a minimum of 0.1 at all locations at all times

E. Coli. Bacteria Colony Count - required to be 0. If non-zero count is present water is deemed unfit for human consumption.

Total Coliforms Bacteria Colony Count - If 10 or less bacteria is present but not sufficient to regard water unfit for drinking. Water must be re-tested.

Background Growth Bacteria Colony Count - Must be below 200 at all times

7-Feb-17									
Sample ID	Location	Date	Address	City Sample Zone	Free Chlorine Residual	Total Coliforms	E. Coli.	Background Growth	
No. 28	P170207050	St. Eleanor's Community Center (Kitchen Sink)	7-Feb-17	1 West Drive	1	0.73	0	0	0
No. 29	P170207051	Illsley's Feed Store (Bathroom Sink)	7-Feb-17	61 Mill Cr.	2	0.68	0	0	0
No. 30	P170207052	Summerset Manor (Sink off #2 Water Softner)	7-Feb-17	15 Frank Mellish St	3	0.43	0	0	0
No. 31	P170207053	Lions Club Senior Housing (Common Room Sink)	7-Feb-17	326 Brophy St	4	0.63	0	0	0
No. 32	P170207054	Summerside Firehall (Station #1)	7-Feb-17	251 Foundry Street	5	0.66	0	0	0
No. 33	P170207055	ADL Plant	7-Feb-17	79 Water street	6	0.57	0	0	0
No. 34	P170207056	Bens Bakery Outlet Store (Bathroom Sink)	7-Feb-17	686 Water Street East	7	0.61	0	0	0
No. 35	P170207057	Tim Hortons Esso (Bakery Sink)	7-Feb-17	820 Water Street East	8	0.53	0	0	0
No. 36	P170207058	S1 Well (Well Head)	7-Feb-17	411 Northmarket St	6	0.96	0	0	0
No. 37	P170207059	Wilmot Wellfield (Well # 3 @ Pipe Gallery)	7-Feb-17	855 Read Drive	8	0.81	0	0	0
No. 38	P170207060	S10 Well (Well Head)	7-Feb-17	277 Greenwood Dr	2	0.88	0	0	0
No. 39	P170207061	SE4 (Well Head)	7-Feb-17	26 Briggs St	1	0.88	0	0	0
No. 40	P170207062	S8 Well (Well Head)	7-Feb-17	507 MacEwen Rd	3	0.85	0	0	0
No. 41	P170207063	Summerset Manor (Main Line in Meter Room)	7-Feb-17	15 Frank Mellish St	3	0.14	0	0	0

23-Feb-17									
Sample ID	Location	Date	Address	City Sample Zone	Free Chlorine Residual	Total Coliforms	E. Coli.	Background Growth	
No. 42	P170223031	St. Eleanor's Community Center (Kitchen Sink)	23-Feb-17	1 West Drive	1	0.90	0	0	0
No. 43	P170223032	Illsley's Feed Store (Bathroom Sink)	23-Feb-17	61 Mill Cr.	2	0.77	0	0	0
No. 44	P170223033	Summerset Manor (Sink off #2 Water Softner)	23-Feb-17	15 Frank Mellish St	3	0.45	0	0	0
No. 45	P170223034	Lions Club Senior Housing (Common Room Sink)	23-Feb-17	326 Brophy St	4	0.55	0	0	0
No. 46	P170223035	Summerside Firehall (Station #1)	23-Feb-17	251 Foundry Street	5	0.36	0	0	0
No. 47	P170223036	ADL Plant	23-Feb-17	79 Water street	6	0.46	0	0	0
No. 48	P170223037	Bens Bakery Outlet Store (Bathroom Sink)	23-Feb-17	686 Water Street East	7	0.47	0	0	0
No. 49	P170223038	Tim Hortons Esso (Bakery Sink)	23-Feb-17	820 Water Street East	8	0.52	0	0	0
No. 50	P170223039	S1 Well (Well Head)	23-Feb-17	411 Northmarket St	6	0.93	0	0	0
No. 51	P170223040	Wilmot Wellfield (Well # 3 @ Pipe Gallery)	23-Feb-17	855 Read Drive	8	0.87	0	0	0
No. 52	P170223041	S10 Well (Well Head)	23-Feb-17	277 Greenwood Dr	2	0.96	0	0	0
No. 53	P170223042	SE4 (Well Head)	23-Feb-17	26 Briggs St	1	0.87	0	0	0
No. 54	P170223043	S8 Well (Well Head)	23-Feb-17	507 MacEwen Rd	3	0.87	0	0	1
No. 55	P170223044	Tim Hortons (Granville Street)	23-Feb-17	466 Granville Street	3	0.46	0	0	0

Summerside

Free Chlorine Residual - Should be a minimum of 0.1 at all locations at all times

E. Coli. Bacteria Colony Count - required to be 0. If non-zero count is present water is deemed unfit for human consumption.

Total Coliforms Bacteria Colony Count - If 10 or less bacteria is present but not sufficient to regard water unfit for drinking. Water must be re-tested.

Background Growth Bacteria Colony Count - Must be below 200 at all times

7-Mar-17								
Sample ID	Location	Date	Address	City Sample Zone	Free Chlorine Residual	Total Coliforms	E. Coli.	Background Growth
No. 56	P170307023	St. Eleanor's Community Center (Kitchen Sink)	7-Mar-17	1 West Drive	1	0.88	0	0
No. 57	P170307024	Illsley's Feed Store (Bathroom Sink)	7-Mar-17	61 Mill Cr.	2	0.76	0	0
No. 58	P170307025	Summerset Manor (Sink off #2 Water Softner)	7-Mar-17	15 Frank Mellish St	3	0.43	0	0
No. 59	P170307026	Lions Club Senior Housing (Common Room Sink)	7-Mar-17	326 Brophy St	4	0.72	0	0
No. 60	P170307027	Summerside Firehall (Station #1)	7-Mar-17	251 Foundry Street	5	0.66	0	0
No. 61	P170307028	ADL Plant	7-Mar-17	79 Water street	6	0.32	0	0
No. 62	P170307029	Bens Bakery Outlet Store (Bathroom Sink)	7-Mar-17	686 Water Street East	7	0.67	0	0
No. 63	P170307030	Tim Hortons Esso (Bakery Sink)	7-Mar-17	820 Water Street East	8	0.59	0	0
No. 64	P170307031	S1 Well (Well Head)	7-Mar-17	411 Northmarket St	6	0.55	0	0
No. 65	P170307032	Wilmot Wellfield (Well # 3 @ Pipe Gallery)	7-Mar-17	855 Read Drive	8	0.87	0	0
No. 66	P170307033	S10 Well (Well Head)	7-Mar-17	277 Greenwood Dr	2	0.89	0	0
No. 67	P170307034	SE4 (Well Head)	7-Mar-17	26 Briggs St	1	0.92	0	0
No. 68	P170307035	S8 Well (Well Head)	7-Mar-17	507 MacEwen Rd	3	0.95	0	0

21-Mar-17								
Sample ID	Location	Date	Address	City Sample Zone	Free Chlorine Residual	Total Coliforms	E. Coli.	Background Growth
No. 69	P170321043	St. Eleanor's Community Center (Kitchen Sink)	21-Mar-17	1 West Drive	1	0.75	0	0
No. 70	P170321044	Illsley's Feed Store (Bathroom Sink)	21-Mar-17	61 Mill Cr.	2	0.88	0	0
No. 71	P170321045	Summerset Manor (Sink off #2 Water Softner)	21-Mar-17	15 Frank Mellish St	3	0.69	0	0
No. 72	P170321046	Lions Club Senior Housing (Common Room Sink)	21-Mar-17	326 Brophy St	4	0.82	0	0
No. 73	P170321047	Summerside Firehall (Station #1)	21-Mar-17	251 Foundry Street	5	0.35	0	0
No. 74	P170321048	ADL Plant	21-Mar-17	79 Water street	6	0.46	0	0
No. 75	P170321049	Bens Bakery Outlet Store (Bathroom Sink)	21-Mar-17	686 Water Street East	7	0.78	0	0
No. 76	P170321050	Tim Hortons Esso (Bakery Sink)	21-Mar-17	820 Water Street East	8	0.69	0	0
No. 77	P170321051	S1 Well (Well Head)	21-Mar-17	411 Northmarket St	6	0.54	0	0
No. 78	P170321052	Wilmot Wellfield (Well # 3 @ Pipe Gallery)	21-Mar-17	855 Read Drive	8	0.86	0	0
No. 79	P170321053	S10 Well (Well Head)	21-Mar-17	277 Greenwood Dr	2	0.69	0	0
No. 80	P170321054	SE4 (Well Head)	21-Mar-17	26 Briggs St	1	0.96	0	0
No. 81	P170321055	S8 Well (Well Head)	21-Mar-17	507 MacEwen Rd	3	0.88	0	0

Summerside

Free Chlorine Residual - Should be a minimum of 0.1 at all locations at all times

E. Coli. Bacteria Colony Count - required to be 0. If non-zero count is present water is deemed unfit for human consumption.

Total Coliforms Bacteria Colony Count - If 10 or less bacteria is present but not sufficient to regard water unfit for drinking. Water must be re-tested.

Background Growth Bacteria Colony Count - Must be below 200 at all times

4-Apr-17									
Sample ID	Location	Date	Address	City Sample Zone	Free Chlorine Residual	Total Coliforms	E. Coli.	Background Growth	
No. 82	P170404033	St. Eleanor's Community Center (Kitchen Sink)	4-Apr-17	1 West Drive	1	0.67	0	0	0
No. 83	P170404034	Illsley's Feed Store (Bathroom Sink)	4-Apr-17	61 Mill Cr.	2	0.68	0	0	0
No. 84	P170404035	Summerset Manor (Sink off #2 Water Softner)	4-Apr-17	15 Frank Mellish St	3	0.19	0	0	0
No. 85	P170404036	Lions Club Senior Housing (Common Room Sink)	4-Apr-17	326 Brophy St	4	0.95	0	0	0
No. 86	P170404037	Summerside Firehall (Station #1)	4-Apr-17	251 Foundry Street	5	0.95	0	0	0
No. 87	P170404038	ADL Plant	4-Apr-17	79 Water street	6	0.77	0	0	0
No. 88	P170404039	Bens Bakery Outlet Store (Bathroom Sink)	4-Apr-17	686 Water Street East	7	0.64	0	0	0
No. 89	P170404040	Tim Hortons Esso (Bakery Sink)	4-Apr-17	820 Water Street East	8	0.71	0	0	0
No. 90	P170404041	S1 Well (Well Head)	4-Apr-17	411 Northmarket St	6	0.72	0	0	0
No. 91	P170404042	Wilmot Wellfield (Well # 3 @ Pipe Gallery)	4-Apr-17	855 Read Drive	8	0.89	0	0	0
No. 92	P170404043	S10 Well (Well Head)	4-Apr-17	277 Greenwood Dr	2	0.88	0	0	0
No. 93	P170404044	SE4 (Well Head)	4-Apr-17	26 Briggs St	1	0.79	0	0	0
No. 94	P170404045	S8 Well (Well Head)	4-Apr-17	507 MacEwen Rd	3	0.90	0	0	0
No. 95	P170404046	Summerset Manor	4-Apr-17	15 Frank Mellish St	3	0.57	0	0	0
No. 96	P170404047	Arsenaults Fish Mart	4-Apr-17	246 Heather Moyse Dr	6	0.85	0	0	0

18-Apr-17									
Sample ID	Location	Date	Address	City Sample Zone	Free Chlorine Residual	Total Coliforms	E. Coli.	Background Growth	
No. 97	P170418033	St. Eleanor's Community Center (Kitchen Sink)	18-Apr-17	1 West Drive	1	0.77	0	0	0
No. 98	P170418034	Illsley's Feed Store (Bathroom Sink)	18-Apr-17	61 Mill Cr.	2	0.76	0	0	0
No. 99	P170418035	Summerset Manor (Sink off #2 Water Softner)	18-Apr-17	15 Frank Mellish St	3	0.40	0	0	0
No. 100	P170418036	Lions Club Senior Housing (Common Room Sink)	18-Apr-17	326 Brophy St	4	0.83	0	0	0
No. 101	P170418037	Summerside Firehall (Station #1)	18-Apr-17	251 Foundry Street	5	0.79	0	0	0
No. 102	P170418038	ADL Plant	18-Apr-17	79 Water street	6	0.57	0	0	0
No. 103	P170418039	Bens Bakery Outlet Store (Bathroom Sink)	18-Apr-17	686 Water Street East	7	0.63	0	0	0
No. 104	P170418040	Tim Hortons Esso (Bakery Sink)	18-Apr-17	820 Water Street East	8	0.60	0	0	0
No. 105	P170418041	S1 Well (Well Head)	18-Apr-17	411 Northmarket St	6	0.65	0	0	0
No. 106	P170418042	Wilmot Wellfield (Well # 3 @ Pipe Gallery)	18-Apr-17	855 Read Drive	8	0.79	0	0	0
No. 107	P170418043	S10 Well (Well Head)	18-Apr-17	277 Greenwood Dr	2	0.66	0	0	0
No. 108	P170418044	SE4 (Well Head)	18-Apr-17	26 Briggs St	1	0.85	0	0	0
No. 109	P170418045	S8 Well (Well Head)	18-Apr-17	507 MacEwen Rd	3	0.93	0	0	0
No. 110	P170418046	Loyalist	18-Apr-17	195 Heather Moyse	6	0.44	0	0	0
No. 111	P170418047	Wilmot Wellfield (Well # 1 @ Pipe Gallery)	18-Apr-17	855 Read Drive	8	0.69	0	0	0
No. 112	P170418048	Wilmot Wellfield (Well # 2 @ Pipe Gallery)	18-Apr-17	855 Read Drive	8	0.73	0	0	0
No. 113	P170418049	Wilmot Wellfield (Well # 4 @ Pipe Gallery)	18-Apr-17	855 Read Drive	8	0.70	0	0	0

Summerside

Free Chlorine Residual - Should be a minimum of 0.1 at all locations at all times

E. Coli. Bacteria Colony Count - required to be 0. If non-zero count is present water is deemed unfit for human consumption.

Total Coliforms Bacteria Colony Count - If 10 or less bacteria is present but not sufficient to regard water unfit for drinking. Water must be re-tested.

Background Growth Bacteria Colony Count - Must be below 200 at all times

2-May-17								
Sample ID	Location	Date	Address	City Sample Zone	Free Chlorine Residual	Total Coliforms	E. Coli.	Background Growth
No. 114	P170502069	St. Eleanor's Community Center (Kitchen Sink)	2-May-17	1 West Drive	1	0.85	0	0
No. 115	P170502070	Illsley's Feed Store (Bathroom Sink)	2-May-17	61 Mill Cr.	2	0.66	0	0
No. 116	P170502071	Summerset Manor (Sink off #2 Water Softner)	2-May-17	15 Frank Mellish St	3	0.46	0	0
No. 117	P170502072	Lions Club Senior Housing (Common Room Sink)	2-May-17	326 Brophy St	4	0.77	0	0
No. 118	P170502073	Summerside Firehall (Station #1)	2-May-17	251 Foundry Street	5	0.15	0	0
No. 119	P170502074	ADL Plant	2-May-17	79 Water street	6	0.62	0	0
No. 120	P170502075	Bens Bakery Outlet Store (Bathroom Sink)	2-May-17	686 Water Street East	7	0.53	0	0
No. 121	P170502076	Tim Hortons Esso (Bakery Sink)	2-May-17	820 Water Street East	8	0.61	0	0
No. 122	P170502077	S1 Well (Well Head)	2-May-17	411 Northmarket St	6	0.43	0	0
No. 123	P170502078	Wilmot Wellfield (Well # 3 @ Pipe Gallery)	2-May-17	855 Read Drive	8	0.88	0	0
No. 124	P170502079	S10 Well (Well Head)	2-May-17	277 Greenwood Dr	2	0.69	0	0
No. 125	P170502080	SE4 (Well Head)	2-May-17	26 Briggs St	1	0.91	0	0
No. 126	P170502081	S8 Well (Well Head)	2-May-17	507 MacEwen Rd	3	0.89	0	0
No. 127	P170502083	152 South Drive SE #1	2-May-17	152 South Drive	1	0.03	0	0
No. 128	P170502084	JMK Fishmart	2-May-17	110 Queens Warf	6	0.11	0	0

16-May-17								
Sample ID	Location	Date	Address	City Sample Zone	Free Chlorine Residual	Total Coliforms	E. Coli.	Background Growth
No. 129	P170516081	St. Eleanor's Community Center (Kitchen Sink)	16-May-17	1 West Drive	1	0.92	0	0
No. 130	P170516082	Illsley's Feed Store (Bathroom Sink)	16-May-17	61 Mill Cr.	2	0.68	0	0
No. 131	P170516083	Summerset Manor (Sink off #2 Water Softner)	16-May-17	15 Frank Mellish St	3	0.32	0	0
No. 132	P170516084	Lions Club Senior Housing (Common Room Sink)	16-May-17	326 Brophy St	4	0.69	0	0
No. 133	P170516085	Summerside Firehall (Station #1)	16-May-17	251 Foundry Street	5	0.83	0	0
No. 134	P170516086	ADL Plant	16-May-17	79 Water street	6	0.67	0	0
No. 135	P170516087	Bens Bakery Outlet Store (Bathroom Sink)	16-May-17	686 Water Street East	7	0.71	0	0
No. 136	P170516088	Tim Hortons Esso (Bakery Sink)	16-May-17	820 Water Street East	8	0.58	0	0
No. 137	P170516089	S1 Well (Well Head)	16-May-17	411 Northmarket St	6	0.89	0	0
No. 138	P170516090	Wilmot Wellfield (Well # 3 @ Pipe Gallery)	16-May-17	855 Read Drive	8	0.81	0	0
No. 139	P170516091	S10 Well (Well Head)	16-May-17	277 Greenwood Dr	2	0.69	0	0
No. 140	P170516092	SE4 (Well Head)	16-May-17	26 Briggs St	1	0.94	0	0
No. 141	P170516093	S8 Well (Well Head)	16-May-17	507 MacEwen Rd	3	0.87	0	0
No. 142	P170516094	SE #1 (Well Head)	16-May-17	152 South Drive	1	0.88	0	0

Summerside

Free Chlorine Residual - Should be a minimum of 0.1 at all locations at all times

E. Coli. Bacteria Colony Count - required to be 0. If non-zero count is present water is deemed unfit for human consumption.

Total Coliforms Bacteria Colony Count - If 10 or less bacteria is present but not sufficient to regard water unfit for drinking. Water must be re-tested.

Background Growth Bacteria Colony Count - Must be below 200 at all times

30-May-17									
Sample ID	Location	Date	Address	City Sample Zone	Free Chlorine Residual	Total Coliforms	E. Coli.	Background Growth	
No. 143	P170530088	St. Eleanor's Community Center (Kitchen Sink)	30-May-17	1 West Drive	1	0.72	1	0	0
No. 144	P170530089	Illsley's Feed Store (Bathroom Sink)	30-May-17	61 Mill Cr.	2	0.61	0	0	0
No. 145	P170530090	Summerset Manor (Sink off #2 Water Softner)	30-May-17	15 Frank Mellish St	3	0.52	0	0	0
No. 146	P170530091	Lions Club Senior Housing (Common Room Sink)	30-May-17	326 Brophy St	4	0.77	0	0	0
No. 147	P170530092	Summerside Firehall (Station #1)	30-May-17	251 Foundry Street	5	0.75	0	0	0
No. 148	P170530093	ADL Plant	30-May-17	79 Water street	6	0.61	0	0	0
No. 149	P170530094	Bens Bakery Outlet Store (Bathroom Sink)	30-May-17	686 Water Street East	7	0.58	0	0	0
No. 150	P170530095	Tim Hortons Esso (Bakery Sink)	30-May-17	820 Water Street East	8	0.63	0	0	0
No. 151	P170530096	S1 Well (Well Head)	30-May-17	411 Northmarket St	6	0.66	0	0	0
No. 152	P170530097	Wilmot Wellfield (Well # 3 @ Pipe Gallery)	30-May-17	855 Read Drive	8	0.81	0	0	0
No. 153	P170530098	S10 Well (Well Head)	30-May-17	277 Greenwood Dr	2	0.88	0	0	0
No. 154	P170530099	SE4 (Well Head)	30-May-17	26 Briggs St	1	0.86	0	0	0
No. 155	P170530100	S8 Well (Well Head)	30-May-17	507 MacEwen Rd	3	0.85	0	0	0
No. 156	P170530101	Summerset Manor	30-May-17	15 Frank Mellish St	3	0.05	0	0	0
No. 157	P170530102	SE #1 (Well Head)	30-May-17	152 South Drive	1	0.99	0	0	0

14-Jun-17									
Sample ID	Location	Date	Address	City Sample Zone	Free Chlorine Residual	Total Coliforms	E. Coli.	Background Growth	
No. 158	P170614152	St. Eleanor's Community Center (Kitchen Sink)	14-Jun-17	1 West Drive	1	1.00	0	0	0
No. 159	P170614153	Illsley's Feed Store (Bathroom Sink)	14-Jun-17	61 Mill Cr.	2	0.98	0	0	0
No. 160	P170614154	Summerset Manor (Sink off #2 Water Softner)	14-Jun-17	15 Frank Mellish St	3	0.44	0	0	0
No. 161	P170614155	Lions Club Senior Housing (Common Room Sink)	14-Jun-17	326 Brophy St	4	1.00	0	0	0
No. 162	P170614156	Summerside Firehall (Station #1)	14-Jun-17	251 Foundry Street	5	0.85	0	0	0
No. 163	P170614157	ADL Plant	14-Jun-17	79 Water street	6	0.60	0	0	0
No. 164	P170614158	Bens Bakery Outlet Store (Bathroom Sink)	14-Jun-17	686 Water Street East	7	0.61	0	0	0
No. 165	P170614159	Tim Hortons Esso (Bakery Sink)	14-Jun-17	820 Water Street East	8	0.69	0	0	0
No. 166	P170614160	S1 Well (Well Head)	14-Jun-17	411 Northmarket St	6	0.49	0	0	0
No. 167	P170614161	Wilmot Wellfield (Well # 3 @ Pipe Gallery)	14-Jun-17	855 Read Drive	8	0.74	0	0	0
No. 168	P170614162	S10 Well (Well Head)	14-Jun-17	277 Greenwood Dr	2	0.50	0	0	0
No. 169	P170614163	SE4 (Well Head)	14-Jun-17	26 Briggs St	1	0.96	0	0	0
No. 170	P170614164	S8 Well (Well Head)	14-Jun-17	507 MacEwen Rd	3	0.69	0	0	0
No. 171	P170614165	SE #1 (Well Head)	14-Jun-17	152 South Drive	1	1.70	0	0	0

Summerside

Free Chlorine Residual - Should be a minimum of 0.1 at all locations at all times

E. Coli. Bacteria Colony Count - required to be 0. If non-zero count is present water is deemed unfit for human consumption.

Total Coliforms Bacteria Colony Count - If 10 or less bacteria is present but not sufficient to regard water unfit for drinking. Water must be re-tested.

Background Growth Bacteria Colony Count - Must be below 200 at all times

27-Jun-17								
Sample ID	Location	Date	Address	City Sample Zone	Free Chlorine Residual	Total Coliforms	E. Coli.	Background Growth
No. 172	P170627112	St. Eleanor's Community Center (Kitchen Sink)	27-Jun-17	1 West Drive	1	0.77	0	0
No. 173	P170627113	Illsley's Feed Store (Bathroom Sink)	27-Jun-17	61 Mill Cr.	2	0.53	0	0
No. 174	P170627114	Summerset Manor (Sink off #2 Water Softner)	27-Jun-17	15 Frank Mellish St	3	0.45	0	0
No. 175	P170627115	Lions Club Senior Housing (Common Room Sink)	27-Jun-17	326 Brophy St	4	0.93	0	0
No. 176	P170627116	Summerside Firehall (Station #1)	27-Jun-17	251 Foundry Street	5	0.60	0	0
No. 177	P170627117	ADL Plant	27-Jun-17	79 Water street	6	0.71	0	0
No. 178	P170627118	Bens Bakery Outlet Store (Bathroom Sink)	27-Jun-17	686 Water Street East	7	0.57	0	0
No. 179	P170627119	Tim Hortons Esso (Bakery Sink)	27-Jun-17	820 Water Street East	8	0.55	0	0
No. 180	P170627120	S1 Well (Well Head)	27-Jun-17	411 Northmarket St	6	0.73	0	0
No. 181	P170627121	Wilmot Wellfield (Well # 3 @ Pipe Gallery)	27-Jun-17	855 Read Drive	8	0.87	0	0
No. 182	P170627122	S10 Well (Well Head)	27-Jun-17	277 Greenwood Dr	2	0.68	0	0
No. 183	P170627123	SE4 (Well Head)	27-Jun-17	26 Briggs St	1	0.93	0	0
No. 184	P170627124	S8 Well (Well Head)	27-Jun-17	507 MacEwen Rd	3	0.82	0	0
No. 185	P170627126	Wilmot Wellfield (Well # 1 @ Pipe Gallery)	27-Jun-17	855 Read Drive	8	0.92	0	0
No. 186	P170627127	Wilmot Wellfield (Well # 4 @ Pipe Gallery)	27-Jun-17	855 Read Drive	8	0.14	0	0

18-Jul-17								
Sample ID	Location	Date	Address	City Sample Zone	Free Chlorine Residual	Total Coliforms	E. Coli.	Background Growth
No. 187	P170718105	St. Eleanor's Community Center (Kitchen Sink)	18-Jul-17	1 West Drive	1	1.13	0	0
No. 188	P170718106	Illsley's Feed Store (Bathroom Sink)	18-Jul-17	61 Mill Cr.	2	0.81	0	0
No. 189	P170718107	Summerset Manor (Sink off #2 Water Softner)	18-Jul-17	15 Frank Mellish St	3	0.48	0	0
No. 190	P170718108	Lions Club Senior Housing (Common Room Sink)	18-Jul-17	326 Brophy St	4	0.85	0	0
No. 191	P170718109	Summerside Firehall (Station #1)	18-Jul-17	251 Foundry Street	5	0.50	0	0
No. 192	P170718110	ADL Plant	18-Jul-17	79 Water street	6	0.43	0	0
No. 193	P170718111	Bens Bakery Outlet Store (Bathroom Sink)	18-Jul-17	686 Water Street East	7	0.50	0	0
No. 194	P170718112	Tim Hortons Esso (Bakery Sink)	18-Jul-17	820 Water Street East	8	0.57	0	0
No. 195	P170718113	S1 Well (Well Head)	18-Jul-17	411 Northmarket St	6	1.15	0	0
No. 196	P170718114	Wilmot Wellfield (Well # 3 @ Pipe Gallery)	18-Jul-17	855 Read Drive	8	0.75	0	0
No. 197	P170718115	S10 Well (Well Head)	18-Jul-17	277 Greenwood Dr	2	0.37	0	0
No. 198	P170718116	SE4 (Well Head)	18-Jul-17	26 Briggs St	1	0.97	0	0
No. 199	P170718117	S8 Well (Well Head)	18-Jul-17	507 MacEwen Rd	3	0.66	0	0
No. 200	P170718118	SE #1 (Well Head)	18-Jul-17	156 South Drive	1	2.91	0	0

Summerside

Free Chlorine Residual - Should be a minimum of 0.1 at all locations at all times

E. Coli. Bacteria Colony Count - required to be 0. If non-zero count is present water is deemed unfit for human consumption.

Total Coliforms Bacteria Colony Count - If 10 or less bacteria is present but not sufficient to regard water unfit for drinking. Water must be re-tested.

Background Growth Bacteria Colony Count - Must be below 200 at all times

1-Aug-17								
Sample ID	Location	Date	Address	City Sample Zone	Free Chlorine Residual	Total Coliforms	E. Coli.	Background Growth
No. 201	P170801079	St. Eleanor's Community Center (Kitchen Sink)	1 West Drive	1	0.59	0	0	0
No. 202	P170801080	Illsley's Feed Store (Bathroom Sink)	61 Mill Cr.	2	0.62	0	0	0
No. 203	P170801081	Summerset Manor (Sink off #2 Water Softner)	15 Frank Mellish St	3	0.44	0	0	0
No. 204	P170801082	Lions Club Senior Housing (Common Room Sink)	326 Brophy St	4	0.64	0	0	0
No. 205	P170801083	Summerside Firehall (Station #1)	251 Foundry Street	5	0.61	0	0	0
No. 206	P170801084	ADL Plant	79 Water street	6	0.49	0	0	0
No. 207	P170801085	Bens Bakery Outlet Store (Bathroom Sink)	686 Water Street East	7	0.53	0	0	0
No. 208	P170801086	Tim Hortons Esso (Bakery Sink)	820 Water Street East	8	0.66	0	0	0
No. 209	P170801087	S1 Well (Well Head)	411 Northmarket St	6	0.53	0	0	0
No. 210	P170801088	Wilmot Wellfield (Well # 3 @ Pipe Gallery)	855 Read Drive	8	0.87	0	0	0
No. 211	P170801089	S10 Well (Well Head)	277 Greenwood Dr	2	0.75	0	0	0
No. 212	P170801090	SE4 (Well Head)	26 Briggs St	1	0.86	0	0	0
No. 213	P170801091	S8 Well (Well Head)	507 MacEwen Rd	3	0.83	0	0	0
No. 214	P170801092	Summerset Manor	15 Frank Mellish St	3	0.10	0	0	0
No. 215	P170801093	SE # 1 (Well Head)	156 South Drive	1	0.77	0	0	0
No. 216	P170801094	389 Myrtle Street	389 Myrtle Street	6	0.12	0	0	0

15-Aug-17								
Sample ID	Location	Date	Address	City Sample Zone	Free Chlorine Residual	Total Coliforms	E. Coli.	Background Growth
No. 217	P170815073	St. Eleanor's Community Center (Kitchen Sink)	1 West Drive	1	0.68	0	0	0
No. 218	P170815074	Illsley's Feed Store (Bathroom Sink)	61 Mill Cr.	2	0.97	0	0	0
No. 219	P170815075	Summerset Manor (Sink off #2 Water Softner)	15 Frank Mellish St	3	0.47	0	0	0
No. 220	P170815076	Lions Club Senior Housing (Common Room Sink)	326 Brophy St	4	0.82	0	0	0
No. 221	P170815077	Summerside Firehall (Station #1)	251 Foundry Street	5	0.66	0	0	0
No. 222	P170815078	ADL Plant	79 Water street	6	0.38	0	0	0
No. 223	P170815079	Bens Bakery Outlet Store (Bathroom Sink)	686 Water Street East	7	0.37	0	0	0
No. 224	P170815080	Tim Hortons Esso (Bakery Sink)	820 Water Street East	8	0.47	0	0	0
No. 225	P170815081	S1 Well (Well Head)	411 Northmarket St	6	1.01	0	0	0
No. 226	P170815082	Wilmot Wellfield (Well # 3 @ Pipe Gallery)	855 Read Drive	8	0.70	0	0	0
No. 227	P170815083	S10 Well (Well Head)	277 Greenwood Dr	2	0.65	0	0	0
No. 228	P170815084	SE4 (Well Head)	26 Briggs St	1	0.81	0	0	0
No. 229	P170815085	S8 Well (Well Head)	507 MacEwen Rd	3	1.10	0	0	0
No. 230	P170815086	SE # 1 (Well Head)	156 South Drive	1	0.46	8	0	0
No. 231	P170815087	531 Central Street	531 Central Street	2	0.45	0	0	0

Summerside

Free Chlorine Residual - Should be a minimum of 0.1 at all locations at all times

E. Coli. Bacteria Colony Count - required to be 0. If non-zero count is present water is deemed unfit for human consumption.

Total Coliforms Bacteria Colony Count - If 10 or less bacteria is present but not sufficient to regard water unfit for drinking. Water must be re-tested.

Background Growth Bacteria Colony Count - Must be below 200 at all times

29-Aug-17								
Sample ID	Location	Date	Address	City Sample Zone	Free Chlorine Residual	Total Coliforms	E. Coli.	Background Growth
No. 232	P170829068	St. Eleanor's Community Center (Kitchen Sink)	29-Aug-17	1 West Drive	1	0.90	0	0
No. 233	P170829069	Illsley's Feed Store (Bathroom Sink)	29-Aug-17	61 Mill Cr.	2	0.56	0	0
No. 234	P170829070	Summerset Manor (Sink off #2 Water Softner)	29-Aug-17	15 Frank Mellish St	3	0.55	0	0
No. 235	P170829071	Lions Club Senior Housing (Common Room Sink)	29-Aug-17	326 Brophy St	4	0.60	0	0
No. 236	P170829072	Summerside Firehall (Station #1)	29-Aug-17	251 Foundry Street	5	0.81	0	0
No. 237	P170829073	ADL Plant	29-Aug-17	79 Water street	6	0.66	0	0
No. 238	P170829074	Bens Bakery Outlet Store (Bathroom Sink)	29-Aug-17	686 Water Street East	7	0.53	0	0
No. 239	P170829075	Tim Hortons Esso (Bakery Sink)	29-Aug-17	820 Water Street East	8	0.62	0	0
No. 240	P170829076	S1 Well (Well Head)	29-Aug-17	411 Northmarket St	6	0.90	0	0
No. 241	P170829077	Wilmot Wellfield (Well # 3 @ Pipe Gallery)	29-Aug-17	855 Read Drive	8	0.88	0	0
No. 242	P170829078	S10 Well (Well Head)	29-Aug-17	277 Greenwood Dr	2	0.75	1	0
No. 243	P170829079	SE4 (Well Head)	29-Aug-17	26 Briggs St	1	0.93	0	0
No. 244	P170829080	S8 Well (Well Head)	29-Aug-17	507 MacEwen Rd	3	0.62	0	0
No. 245	P170829081	Summerset Manor	29-Aug-17	15 Frank Mellish St	1	0.25	0	0
No. 246	P170829082	SE # 1 (Well Head)	29-Aug-17	156 South Drive	1	0.54	0	0
No. 247	P170829083	75 McDougall (Martin Lynch)	29-Aug-17	75 McDougall	1	0.23	0	0

19-Sep-17								
Sample ID	Location	Date	Address	City Sample Zone	Free Chlorine Residual	Total Coliforms	E. Coli.	Background Growth
No. 248	P170919036	St. Eleanor's Community Center (Kitchen Sink)	19-Sep-17	1 West Drive	1	1.03	0	0
No. 249	P170919037	Illsley's Feed Store (Bathroom Sink)	19-Sep-17	61 Mill Cr.	2	0.97	0	0
No. 250	P170919038	Summerset Manor (Sink off #2 Water Softner)	19-Sep-17	15 Frank Mellish St	3	0.49	0	0
No. 251	P170919039	Lions Club Senior Housing (Common Room Sink)	19-Sep-17	326 Brophy St	4	1.02	0	0
No. 252	P170919040	Summerside Firehall (Station #1)	19-Sep-17	251 Foundry Street	5	0.46	0	0
No. 253	P170919041	ADL Plant	19-Sep-17	79 Water street	6	0.43	0	0
No. 254	P170919042	Bens Bakery Outlet Store (Bathroom Sink)	19-Sep-17	686 Water Street East	7	0.42	0	0
No. 255	P170919043	Tim Hortons Esso (Bakery Sink)	19-Sep-17	820 Water Street East	8	0.45	0	0
No. 256	P170919044	S1 Well (Well Head)	19-Sep-17	411 Northmarket St	6	0.87	0	0
No. 257	P170919045	Wilmot Wellfield (Well # 3 @ Pipe Gallery)	19-Sep-17	855 Read Drive	8	0.81	0	0
No. 258	P170919046	S10 Well (Well Head)	19-Sep-17	277 Greenwood Dr	2	0.70	0	0
No. 259	P170919047	SE4 (Well Head)	19-Sep-17	26 Briggs St	1	1.05	0	0
No. 260	P170919048	S8 Well (Well Head)	19-Sep-17	507 MacEwen Rd	3	0.76	0	0
No. 261	P170919049	SE # 1 (Well Head)	19-Sep-17	156 South Drive	1	0.65	0	0

Summerside

Free Chlorine Residual - Should be a minimum of 0.1 at all locations at all times

E. Coli. Bacteria Colony Count - required to be 0. If non-zero count is present water is deemed unfit for human consumption.

Total Coliforms Bacteria Colony Count - If 10 or less bacteria is present but not sufficient to regard water unfit for drinking. Water must be re-tested.

Background Growth Bacteria Colony Count - Must be below 200 at all times

3-Oct-17								
Sample ID	Location	Date	Address	City Sample Zone	Free Chlorine Residual	Total Coliforms	E. Coli.	Background Growth
No. 262	P171003050	St. Eleanor's Community Center (Kitchen Sink)	3-Oct-17	1 West Drive	1	0.85	0	0
No. 263	P171003051	Illsley's Feed Store (Bathroom Sink)	3-Oct-17	61 Mill Cr.	2	0.78	0	0
No. 264	P171003052	Summerset Manor (Sink off #2 Water Softner)	3-Oct-17	15 Frank Mellish St	3	0.44	0	0
No. 265	P171003053	Lions Club Senior Housing (Common Room Sink)	3-Oct-17	326 Brophy St	4	0.68	0	0
No. 266	P171003054	Summerside Firehall (Station #1)	3-Oct-17	251 Foundry Street	5	0.69	0	0
No. 267	P171003055	ADL Plant	3-Oct-17	79 Water street	6	0.60	0	0
No. 268	P171003056	Bens Bakery Outlet Store (Bathroom Sink)	3-Oct-17	686 Water Street East	7	0.62	0	0
No. 269	P171003057	Tim Hortons Esso (Bakery Sink)	3-Oct-17	820 Water Street East	8	0.71	0	0
No. 270	P171003058	S1 Well (Well Head)	3-Oct-17	411 Northmarket St	6	0.63	0	0
No. 271	P171003059	Wilmot Wellfield (Well # 3 @ Pipe Gallery)	3-Oct-17	855 Read Drive	8	0.87	0	0
No. 272	P171003060	S10 Well (Well Head)	3-Oct-17	277 Greenwood Dr	2	0.66	0	0
No. 273	P171003061	SE4 (Well Head)	3-Oct-17	26 Briggs St	1	0.90	0	0
No. 274	P171003062	S8 Well (Well Head)	3-Oct-17	507 MacEwen Rd	3	0.59	0	0
No. 275	P171003063	Summerset Manor	3-Oct-17	15 Frank Mellish St	3	0.37	0	0
No. 276	P171003064	SE #1 (Well Head)	3-Oct-17	156 South Drive	1	0.58	0	0

17-Oct-17								
Sample ID	Location	Date	Address	City Sample Zone	Free Chlorine Residual	Total Coliforms	E. Coli.	Background Growth
No. 277	P171017048	St. Eleanor's Community Center (Kitchen Sink)	17-Oct-17	1 West Drive	1	0.63	0	0
No. 278	P171017049	Illsley's Feed Store (Bathroom Sink)	17-Oct-17	61 Mill Cr.	2	0.53	0	0
No. 279	P171017050	Summerset Manor (Sink off #2 Water Softner)	17-Oct-17	15 Frank Mellish St	3	0.47	0	0
No. 280	P171017051	Lions Club Senior Housing (Common Room Sink)	17-Oct-17	326 Brophy St	4	0.77	0	0
No. 281	P171017052	Summerside Firehall (Station #1)	17-Oct-17	251 Foundry Street	5	0.74	0	0
No. 282	P171017053	ADL Plant	17-Oct-17	79 Water street	6	0.66	0	0
No. 283	P171017054	Bens Bakery Outlet Store (Bathroom Sink)	17-Oct-17	686 Water Street East	7	0.62	0	0
No. 284	P171017055	Tim Hortons Esso (Bakery Sink)	17-Oct-17	820 Water Street East	8	0.63	0	0
No. 285	P171017056	S1 Well (Well Head)	17-Oct-17	411 Northmarket St	6	0.57	0	0
No. 286	P171017057	Wilmot Wellfield (Well # 3 @ Pipe Gallery)	17-Oct-17	855 Read Drive	8	0.86	0	0
No. 287	P171017058	S10 Well (Well Head)	17-Oct-17	277 Greenwood Dr	2	0.91	0	0
No. 288	P171017059	SE4 (Well Head)	17-Oct-17	26 Briggs St	1	0.78	0	0
No. 289	P171017060	S8 Well (Well Head)	17-Oct-17	507 MacEwen Rd	3	0.67	0	0
No. 290	P171017061	SE #1 (Well Head)	17-Oct-17	156 South Drive	1	0.47	0	0

Summerside

Free Chlorine Residual - Should be a minimum of 0.1 at all locations at all times

E. Coli. Bacteria Colony Count - required to be 0. If non-zero count is present water is deemed unfit for human consumption.

Total Coliforms Bacteria Colony Count - If 10 or less bacteria is present but not sufficient to regard water unfit for drinking. Water must be re-tested.

Background Growth Bacteria Colony Count - Must be below 200 at all times

31-Oct-17								
Sample ID	Location	Date	Address	City Sample Zone	Free Chlorine Residual	Total Coliforms	E. Coli.	Background Growth
No. 291	P171031036	St. Eleanor's Community Center (Kitchen Sink)	31-Oct-17	1 West Drive	1	0.72	0	0
No. 292	P171031037	Illsley's Feed Store (Bathroom Sink)	31-Oct-17	61 Mill Cr.	2	0.86	0	0
No. 293	P171031038	Summerset Manor (Sink off #2 Water Softner)	31-Oct-17	15 Frank Mellish St	3	0.50	0	0
No. 294	P171031039	Lions Club Senior Housing (Common Room Sink)	31-Oct-17	326 Brophy St	4	0.80	0	0
No. 295	P171031040	Summerside Firehall (Station #1)	31-Oct-17	251 Foundry Street	5	0.51	0	0
No. 296	P171031041	ADL Plant	31-Oct-17	79 Water street	6	0.66	0	0
No. 297	P171031042	Bens Bakery Outlet Store (Bathroom Sink)	31-Oct-17	686 Water Street East	7	0.58	0	0
No. 298	P171031043	Tim Hortons Esso (Bakery Sink)	31-Oct-17	820 Water Street East	8	0.61	0	0
No. 299	P171031044	S1 Well (Well Head)	31-Oct-17	411 Northmarket St	6	0.56	0	0
No. 300	P171031045	Wilmot Wellfield (Well # 3 @ Pipe Gallery)	31-Oct-17	855 Read Drive	8	0.87	0	0
No. 301	P171031046	S10 Well (Well Head)	31-Oct-17	277 Greenwood Dr	2	0.67	0	0
No. 302	P171031047	SE4 (Well Head)	31-Oct-17	26 Briggs St	1	0.86	0	0
No. 303	P171031048	S8 Well (Well Head)	31-Oct-17	507 MacEwen Rd	3	0.64	0	0
No. 304	P171031049	Summerset Manor	31-Oct-17	15 Frank Mellish St	3	0.39	0	0
No. 305	P171031050	SE #1 (Well Head)	31-Oct-17	156 South Drive	1	0.58	0	0

14-Nov-17								
Sample ID	Location	Date	Address	City Sample Zone	Free Chlorine Residual	Total Coliforms	E. Coli.	Background Growth
No. 306	P171114032	St. Eleanor's Community Center (Kitchen Sink)	14-Nov-17	1 West Drive	1	0.76	0	0
No. 307	P171114033	Illsley's Feed Store (Bathroom Sink)	14-Nov-17	61 Mill Cr.	2	0.54	0	0
No. 308	P171114034	Summerset Manor (Sink off #2 Water Softner)	14-Nov-17	15 Frank Mellish St	3	0.43	0	0
No. 309	P171114035	Lions Club Senior Housing (Common Room Sink)	14-Nov-17	326 Brophy St	4	0.38	0	0
No. 310	P171114036	Summerside Firehall (Station #1)	14-Nov-17	251 Foundry Street	5	0.23	0	0
No. 311	P171114037	ADL Plant	14-Nov-17	79 Water street	6	0.44	0	0
No. 312	P171114038	Bens Bakery Outlet Store (Bathroom Sink)	14-Nov-17	686 Water Street East	7	0.52	0	0
No. 313	P171114039	Tim Hortons Esso (Bakery Sink)	14-Nov-17	820 Water Street East	8	0.60	0	0
No. 314	P171114040	S1 Well (Well Head)	14-Nov-17	411 Northmarket St	6	0.55	0	0
No. 315	P171114041	Wilmot Wellfield (Well # 3 @ Pipe Gallery)	14-Nov-17	855 Read Drive	8	0.86	0	0
No. 316	P171114042	S10 Well (Well Head)	14-Nov-17	277 Greenwood Dr	2	0.73	0	0
No. 317	P171114043	SE4 (Well Head)	14-Nov-17	26 Briggs St	1	0.88	0	0
No. 318	P171114044	S8 Well (Well Head)	14-Nov-17	507 MacEwen Rd	3	0.45	0	0
No. 319	P171114045	SE #1 (Well Head)	14-Nov-17	156 South Drive	1	0.91	0	0

Summerside

Free Chlorine Residual - Should be a minimum of 0.1 at all locations at all times

E. Coli. Bacteria Colony Count - required to be 0. If non-zero count is present water is deemed unfit for human consumption.

Total Coliforms Bacteria Colony Count - If 10 or less bacteria is present but not sufficient to regard water unfit for drinking. Water must be re-tested.

Background Growth Bacteria Colony Count - Must be below 200 at all times

29-Nov-17								
Sample ID	Location	Date	Address	City Sample Zone	Free Chlorine Residual	Total Coliforms	E. Coli.	Background Growth
No. 320	P171129026	St. Eleanor's Community Center (Kitchen Sink)	29-Nov-17	1 West Drive	1	0.69	0	0
No. 321	P171129027	Illsley's Feed Store (Bathroom Sink)	29-Nov-17	61 Mill Cr.	2	0.47	0	0
No. 322	P171129028	Summerset Manor (Sink off #2 Water Softner)	29-Nov-17	15 Frank Mellish St	3	0.47	0	0
No. 323	P171129029	Lions Club Senior Housing (Common Room Sink)	29-Nov-17	326 Brophy St	4	0.34	0	0
No. 324	P171129030	Summerside Firehall (Station #1)	29-Nov-17	251 Foundry Street	5	0.29	0	0
No. 325	P171129031	ADL Plant	29-Nov-17	79 Water street	6	0.63	0	0
No. 326	P171129032	Bens Bakery Outlet Store (Bathroom Sink)	29-Nov-17	686 Water Street East	7	0.54	0	0
No. 327	P171129033	Tim Hortons Esso (Bakery Sink)	29-Nov-17	820 Water Street East	8	0.60	0	0
No. 328	P171129034	S1 Well (Well Head)	29-Nov-17	411 Northmarket St	6	0.78	0	0
No. 329	P171129035	Wilmot Wellfield (Well # 3 @ Pipe Gallery)	29-Nov-17	855 Read Drive	8	0.88	0	0
No. 330	P171129036	S10 Well (Well Head)	29-Nov-17	277 Greenwood Dr	2	0.92	0	0
No. 331	P171129037	SE4 (Well Head)	29-Nov-17	26 Briggs St	1	0.55	0	0
No. 332	P171129038	S8 Well (Well Head)	29-Nov-17	507 MacEwen Rd	3	0.80	0	0
No. 333	P171129039	Summerset Manor	29-Nov-17	15 Frank Mellish St	3	0.36	0	0
No. 334	P171129040	SE #1 (Well Head)	29-Nov-17	156 South Drive	1	0.88	0	0

12-Dec-17								
Sample ID	Location	Date	Address	City Sample Zone	Free Chlorine Residual	Total Coliforms	E. Coli.	Background Growth
No. 335	P171212047	St. Eleanor's Community Center (Kitchen Sink)	12-Dec-17	1 West Drive	1	0.56	0	0
No. 336	P171212048	Illsley's Feed Store (Bathroom Sink)	12-Dec-17	61 Mill Cr.	2	0.69	0	0
No. 337	P171212049	Summerset Manor (Sink off #2 Water Softner)	12-Dec-17	15 Frank Mellish St	3	0.49	0	0
No. 338	P171212050	Lions Club Senior Housing (Common Room Sink)	12-Dec-17	326 Brophy St	4	0.45	0	0
No. 339	P171212051	Summerside Firehall (Station #1)	12-Dec-17	251 Foundry Street	5	0.25	0	0
No. 340	P171212052	ADL Plant	12-Dec-17	79 Water street	6	0.53	0	0
No. 341	P171212053	Bens Bakery Outlet Store (Bathroom Sink)	12-Dec-17	686 Water Street East	7	0.60	0	0
No. 342	P171212054	Tim Hortons Esso (Bakery Sink)	12-Dec-17	820 Water Street East	8	0.64	0	0
No. 343	P171212055	S1 Well (Well Head)	12-Dec-17	411 Northmarket St	6	0.69	0	0
No. 344	P171212056	Wilmot Wellfield (Well # 3 @ Pipe Gallery)	12-Dec-17	855 Read Drive	8	0.81	0	0
No. 345	P171212057	S10 Well (Well Head)	12-Dec-17	277 Greenwood Dr	2	0.81	0	0
No. 346	P171212058	SE4 (Well Head)	12-Dec-17	26 Briggs St	1	0.71	0	0
No. 347	P171212059	S8 Well (Well Head)	12-Dec-17	507 MacEwen Rd	3	0.82	0	0
No. 348	P171212060	SE #1 (Well Head)	12-Dec-17	156 South Drive	1	0.90	0	0

Summerside

Free Chlorine Residual - Should be a minimum of 0.1 at all locations at all times

E. Coli. Bacteria Colony Count - required to be 0. If non-zero count is present water is deemed unfit for human consumption.

Total Coliforms Bacteria Colony Count - If 10 or less bacteria is present but not sufficient to regard water unfit for drinking. Water must be re-tested.

Background Growth Bacteria Colony Count - Must be below 200 at all times

27-Dec-17								
Sample ID	Location	Date	Address	City Sample Zone	Free Chlorine Residual	Total Coliforms	E. Coli.	Background Growth
No. 349	P171228019	St. Eleanor's Community Center (Kitchen Sink)	27-Dec-17	1 West Drive	1	0.56	0	0
No. 350	P171228020	Hillsley's Feed Store (Bathroom Sink)	27-Dec-17	61 Mill Cr.	2	0.65	0	0
No. 351	P171228021	Summerset Manor (Sink off #2 Water Softner)	27-Dec-17	15 Frank Mellish St	3	0.55	0	0
No. 352	P171228022	Lions Club Senior Housing (Common Room Sink)	27-Dec-17	326 Brophy St	4	0.53	0	0
No. 353	P171228023	Summerside Firehall (Station #1)	27-Dec-17	251 Foundry Street	5	0.27	0	0
No. 354	P171228024	ADL Plant	27-Dec-17	79 Water street	6	0.61	0	0
No. 355	P171228025	Bens Bakery Outlet Store (Bathroom Sink)	27-Dec-17	686 Water Street East	7	0.66	0	0
No. 356	P171228026	Tim Hortons Esso (Bakery Sink)	27-Dec-17	820 Water Street East	8	0.69	0	0
No. 357	P171228027	S1 Well (Well Head)	27-Dec-17	411 Northmarket St	6	0.74	0	0
No. 358	P171228028	Wilmot Wellfield (Well # 3 @ Pipe Gallery)	27-Dec-17	855 Read Drive	8	0.87	0	0
No. 359	P171228029	S10 Well (Well Head)	27-Dec-17	277 Greenwood Dr	2	0.70	0	0
No. 360	P171228030	SE4 (Well Head)	27-Dec-17	26 Briggs St	1	0.83	0	0
No. 361	P171228031	S8 Well (Well Head)	27-Dec-17	507 MacEwen Rd	3	0.68	0	0
No. 362	P171228032	SE #1 (Well Head)	27-Dec-17	156 South Drive	1	0.65	0	0

Summerside

Guideline to Nitrate Analysis:
Units for Nitrate are mg/L
Nitrate Maximum Allowable Concentration is 10.0 ppm.

Sample ID	Location	Date	Address	City Sample Zone	Nitrate
P170110032	Summerside Firehall (Station #1)	10-Jan-17	251 Foundry Street	6	4.6
P170110033	ADL	10-Jan-17	79 Water Street	6	4.4
P170110037	Wilmot Wellfield Pipe Gallery	10-Jan-17	855 Read Drive	8	5.6
P170124035	Summerside Firehall (Station #1)	24-Jan-17	251 Foundry Street	6	4.9
P170124036	ADL	24-Jan-17	79 Water Street	6	4.3
P170124040	Wilmot Wellfield Pipe Gallery	24-Jan-17	855 Read Drive	8	8.2
P170207054	Summerside Firehall (Station #1)	7-Feb-17	251 Foundry Street	6	4.8
P170207055	ADL	7-Feb-17	79 Water Street	6	5.8
P170207059	Wilmot Wellfield Pipe Gallery	7-Feb-17	855 Read Drive	8	8.4
P17022035	Summerside Firehall (Station #1)	23-Feb-16	251 Foundry Street	6	3.2
P170223036	ADL	23-Feb-16	79 Water Street	6	4.1
P170223040	Wilmot Wellfield Pipe Gallery	23-Feb-16	855 Read Drive	8	8.0
P170307027	Summerside Firehall (Station #1)	7-Mar-17	251 Foundry Street	6	5.5
P170307028	ADL	7-Mar-17	79 Water Street	6	4.1
P170307032	Wilmot Wellfield Pipe Gallery	7-Mar-17	855 Read Drive	8	8.1
P170321047	Summerside Firehall (Station #1)	21-Mar-17	251 Foundry Street	6	4.9
P170321048	ADL	21-Mar-17	79 Water Street	6	4.4
P170321052	Wilmot Wellfield Pipe Gallery	21-Mar-17	855 Read Drive	8	8.1
P170404037	Summerside Firehall (Station #1)	4-Apr-17	251 Foundry Street	6	5.7
P170404038	ADL	4-Apr-17	79 Water Street	6	5.8
P170404042	Wilmot Wellfield Pipe Gallery	4-Apr-17	855 Read Drive	8	7.9
P170418037	Summerside Firehall (Station #1)	3-May-16	251 Foundry Street	6	5.7
P170418038	ADL	3-May-16	79 Water Street	7	5.6
P170418042	Wilmot Wellfield Pipe Gallery	3-May-16	855 Read Drive	8	7.5

Summerside

Guideline to Nitrate Analysis:
Units for Nitrate are mg/L
Nitrate Maximum Allowable Concentration is 10.0 ppm.

Sample ID	Location	Date	Address	City Sample Zone	Nitrate
P170502073	Summerside Firehall (Station #1)	2-May-17	251 Foundry Street	6	3.0
P170502074	ADL	2-May-17	79 Water Street	7	4.9
P170502078	Wilmot Wellfield Pipe Gallery	2-May-17	855 Read Drive	8	7.9
P170516085	Summerside Firehall (Station #1)	16-May-17	251 Foundry Street	6	5.1
P170516086	ADL	16-May-17	79 Water Street	7	4.1
P170516090	Wilmot Wellfield Pipe Gallery	16-May-17	855 Read Drive	8	7.8
P170530092	Summerside Firehall (Station #1)	30-May-17	251 Foundry Street	6	5.0
P170530093	ADL	30-May-17	79 Water Street	7	5.7
P170530097	Wilmot Wellfield Pipe Gallery	30-May-17	855 Read Drive	8	7.6
P170614156	Summerside Firehall (Station #1)	14-Jun-17	251 Foundry Street	6	5.5
P170614157	ADL	14-Jun-17	79 Water Street	7	5.8
P170627116	Summerside Firehall (Station #1)	27-Jun-17	251 Foundry Street	6	5.5
P170627117	ADL	27-Jun-17	79 Water Street	7	5.8
P170627121	Wilmot Wellfield Pipe Gallery	27-Jun-17	855 Read Drive	8	7.5
P170718109	Summerside Firehall (Station #1)	18-Jul-17	251 Foundry Street	6	4.0
P170718110	ADL	18-Jul-17	79 Water Street	7	5.3
P170718114	Wilmot Wellfield Pipe Gallery	18-Jul-17	855 Read Drive	8	6.3
P170801083	Summerside Firehall (Station #1)	1-Aug-17	251 Foundry Street	6	4.2
P170801084	ADL	1-Aug-17	79 Water Street	6	5.3
P170801088	Wilmot Wellfield Pipe Gallery	1-Aug-17	855 Read Drive	8	7.4
P170815077	Summerside Firehall (Station #1)	15-Aug-17	251 Foundry Street	6	6.2
P170815078	ADL	15-Aug-17	79 Water Street	6	5.4
P170815082	Wilmot Wellfield Pipe Gallery	15-Aug-17	855 Read Drive	8	8.1

Summerside

Guideline to Nitrate Analysis:
Units for Nitrate are mg/L
Nitrate Maximum Allowable Concentration is 10.0 ppm.

Sample ID	Location	Date	Address	City Sample Zone	Nitrate
P170829072	Summerside Firehall (Station #1)	29-Aug-17	251 Foundry Street	6	5.3
P170829073	ADL	29-Aug-17	79 Water Street	6	5.1
P170829077	Wilmot Wellfield Pipe Gallery	29-Aug-17	855 Read Drive	8	7.6
P170919040	Summerside Firehall (Station #1)	20-Sep-16	251 Foundry Street	6	3.8
P170919041	ADL	20-Sep-16	79 Water Street	6	5.4
P170919045	Wilmot Wellfield Pipe Gallery	20-Sep-16	855 Read Drive	8	8.2
P171003054	Summerside Firehall (Station #1)	3-Oct-17	251 Foundry Street	6	5.4
P171003055	ADL	3-Oct-17	79 Water Street	6	5.0
P171003059	Wilmot Wellfield Pipe Gallery	3-Oct-17	855 Read Drive	8	7.9
P171017052	Summerside Firehall (Station #1)	17-Oct-17	251 Foundry Street	6	5.2
P171017053	ADL	17-Oct-17	79 Water Street	6	5.7
P171017057	Wilmot Wellfield Pipe Gallery	17-Oct-17	855 Read Drive	8	7.7
P171031040	Summerside Firehall (Station #1)	31-Oct-17	251 Foundry Street	6	5.0
P171031041	ADL	31-Oct-17	79 Water Street	6	5.5
P171031045	Wilmot Wellfield Pipe Gallery	31-Oct-17	855 Read Drive	8	7.4
P171114036	Summerside Firehall (Station #1)	14-Nov-17	251 Foundry Street	6	4.4
P171114037	ADL	14-Nov-17	79 Water Street	6	5.2
P171114041	Wilmot Wellfield Pipe Gallery	14-Nov-17	855 Read Drive	8	7.3
P171129030	Summerside Firehall (Station #1)	29-Nov-16	251 Foundry Street	6	3.5
P171129031	ADL	29-Nov-16	79 Water Street	6	4.7
P171129035	Wilmot Wellfield Pipe Gallery	29-Nov-16	855 Read Drive	8	7.4
P171212051	Summerside Firehall (Station #1)	12-Dec-17	251 Foundry Street	6	3.1
P171212052	ADL	12-Dec-17	79 Water Street	6	4.6



Horizontal Water Chemistry Test Results

January 1, 2017 to December 31, 2017

Health Canada MAC Health Canda AO

Sample ID				P170110033	P170124036	P170207055	P170223036
Location				ADL Plant	ADL Plant	ADL Plant	ADL Plant
Date				10-Jan-17	24-Jan-17	7-Feb-17	23-Feb-17
Address				79 Water Street	79 Water Street	79 Water Street	79 Water Street
City Sample Zone			Units	6	6	6	6
pH for Water	NA	7 to 10.5	pH	7.9	7.9	8.1	8.2
Alkalinity (ppm of CaCO3)	NA	NA	mg/L	155	142	132	163
Chloride	NA	250.0	mg/L	110.5	128.5	95.0	131.5
Barium dis	1	0	mg/L	0.5260	0.5560	0.5040	0.6930
Calcium dis	NA	NA	mg/L	98.04	106.40	95.96	112.90
Potassium dis	NA	NA	mg/L	1.00	1.05	0.92	1.20
Copper dis	NA	1	mg/L	0.0260	0.0240	0.0190	0.0190
Iron dis	NA	0.3	mg/L	<0.009	<0.009	<0.009	<0.0090
Magnesium dis	NA	NA	mg/L	2.55	2.70	2.30	3.34
Manganese dis	NA	0.05	mg/L	<0.0030	<0.0030	<0.0030	<0.0030
Phosphorus dis	NA	NA	mg/L	0.02	0.02	0.02	0.02
Sodium dis	NA	200.0	mg/L	35.55	39.58	30.96	45.55
Sulfate calc from S dis	NA	500	mg/L	14.7	15.27	13.65	15.32
Lead dis	0.01	NA	mg/L	<0.002	<0.0060	<0.0060	<0.0060
Zinc dis	NA	5	mg/L	<0.006	0.0060	<0.0060	>0.0060
Hardness	NA	NA	mg/L	255.3	276.8	249.1	295.6
Arsenic dis	0.01	NA	mg/L	<0.004	<0.0040	<0.0040	<0.0040
Nitrate	10	NA	mg/L	4.4	4.3	5.8	4.1
Selenium	0.05	NA	mg/L	<0.004	<0.0040	<0.0040	<0.0040
Uranium	0.02	NA	mg/L	<0.003	<0.0020	<0.0020	0.0021



Horizontal Water Chemistry Test Results

January 1, 2017 to Decer

Health Canada MAC Health Canda AO

Sample ID				P170223044	P170307028	P170321048	P170404038
Location				Tim Hortons	ADL	ADL	ADL
Date				23-Feb-17	7-Mar-17	21-Mar-17	4-Apr-17
Address				466 Granville Street	79 Water Street	79 Water Street	79 Water Street
City Sample Zone			Units	6	6	6	6
pH for Water	NA	7 to 10.5	pH	8.2	7.9	7.9	8.0
Alkalinity (ppm of CaCO3)	NA	NA	mg/L	140	170	158	147
Chloride	NA	250.0	mg/L	51.1	135.2	133.5	84.6
Barium dis	1	0	mg/L	0.6220	0.6700	0.6480	0.3450
Calcium dis	NA	NA	mg/L	72.69	104.20	96.93	83.57
Potassium dis	NA	NA	mg/L	0.72	1.26	1.29	0.84
Copper dis	NA	1	mg/L	0.087	0.0130	0.0150	0.0220
Iron dis	NA	0.3	mg/L	<0.0090	<0.0090	<0.0090	<0.0090
Magnesium dis	NA	NA	mg/L	1.86	3.47	3.40	1.90
Manganese dis	NA	0.05	mg/L	<0.0030	<0.0030	<0.0030	<0.0030
Phosphorus dis	NA	NA	mg/L	0.02	0.02	0.02	0.03
Sodium dis	NA	200.0	mg/L	15.89	47.05	46.30	27.38
Sulfate calc from S dis	NA	500	mg/L	9.29	16.48	16.05	13.41
Lead dis	0.01	NA	mg/L	<0.0060	<0.0060	<0.0060	<0.0060
Zinc dis	NA	5	mg/L	<0.0060	<0.0060	<0.0060	<0.0060
Hardness	NA	NA	mg/L	189.1	274.5	281.7	216.5
Arsenic dis	0.01	NA	mg/L	<0.0040	<0.0040	<0.0040	<0.0040
Nitrate	10	NA	mg/L	3.8	4.1	4.4	5.8
Selenium	0.05	NA	mg/L	<0.0040	<0.0040	<0.0040	<0.0040
Uranium	0.02	NA	mg/L	0.0008	0.0022	0.0021	0.0005



Horizontal Water Chemistry Test Results

January 1, 2017 to Decer

Health Canada MAC Health Canda AO

Sample ID				P170418038	P170418041	P170418042
Location				ADL	S1 Well	Wilmot Well Field (#3)
Date				18-Apr-17	18-Apr-17	18-Apr-17
Address				79 Water Street	411 North Market St	855 Read Drive
City Sample Zone			Units	6	10	11
pH for Water	NA	7 to 10.5	pH	7.9	7.8	8.0
Alkalinity (ppm of CaCO3)	NA	NA	mg/L	142	178	116
Chloride	NA	250.0	mg/L	76.1	148.6	16.9
Barium dis	1	0	mg/L	0.5258	0.8276	0.4237
Calcium dis	NA	NA	mg/L	83.91	120.70	62.35
Potassium dis	NA	NA	mg/L	0.94	1.39	0.64
Copper dis	NA	1	mg/L	0.0180	0.0020	<0.0020
Iron dis	NA	0.3	mg/L	<0.0020	<0.0020	<0.0020
Magnesium dis	NA	NA	mg/L	2.36	3.97	1.38
Manganese dis	NA	0.05	mg/L	<0.0005	<0.0005	<0.0005
Phosphorus dis	NA	NA	mg/L	0.03	0.02	0.03
Sodium dis	NA	200.0	mg/L	25.52	50.99	6.87
Sulfate calc from S dis	NA	500	mg/L	13.29	17.09	10.12
Lead dis	0.01	NA	mg/L	<0.0001	0.0001	<0.0001
Zinc dis	NA	5	mg/L	0.0030	0.022	<0.0020
Hardness	NA	NA	mg/L	219.2	317.7	161.4
Arsenic dis	0.01	NA	mg/L	0.0003	0.0005	0.0001
Nitrate	10	NA	mg/L	5.6	3.1	7.5
Selenium	0.05	NA	mg/L	<0.0040	<0.0040	<0.0040
Uranium	0.02	NA	mg/L	0.0013	0.0027	0.0004



Horizontal Water Chemistry Test Results

January 1, 2017 to Decer

Health Canada MAC Health Canda AO

Sample ID				P170418043	P170418044	P170418045
Location				S10 Well	SE4 Well	S8 Well
Date				18-Apr-17	18-Apr-17	18-Apr-17
Address				277 Greenwood Drive	26 Briggs St	507 Macewen Road
City Sample Zone			Units	12	13	14
pH for Water	NA	7 to 10.5	pH	7.7	8.0	8.0
Alkalinity (ppm of CaCO3)	NA	NA	mg/L	194	144	152
Chloride	NA	250.0	mg/L	146.7	63.8	48.5
Barium dis	1	0	mg/L	0.2758	0.2470	0.7429
Calcium dis	NA	NA	mg/L	132.20	77.28	73.42
Potassium dis	NA	NA	mg/L	1.08	0.93	0.77
Copper dis	NA	1	mg/L	<0.0020	<0.0020	0.0040
Iron dis	NA	0.3	mg/L	<0.0020	<0.0020	<0.0020
Magnesium dis	NA	NA	mg/L	2.53	1.86	1.98
Manganese dis	NA	0.05	mg/L	<0.0005	<0.0005	<0.0005
Phosphorus dis	NA	NA	mg/L	0.03	0.04	0.03
Sodium dis	NA	200.0	mg/L	48.63	24.85	15.25
Sulfate calc from S dis	NA	500	mg/L	15.48	15.18	8.41
Lead dis	0.01	NA	mg/L	0.0001	<0.0001	0.0001
Zinc dis	NA	5	mg/L	0.1010	0.0300	0.0160
Hardness	NA	NA	mg/L	318.3	200.6	191.5
Arsenic dis	0.01	NA	mg/L	0.0002	0.0005	0.0005
Nitrate	10	NA	mg/L	2.8	5.9	2.7
Selenium	0.05	NA	mg/L	<0.0040	<0.0040	<0.0040
Uranium	0.02	NA	mg/L	0.0004	0.0004	0.0010



Horizontal Water Chemistry Test Results

January 1, 2017 to Decer

Health Canada MAC Health Canda AO

Sample ID				P170418046	P170418047	P170418048
Location				Loyalist (Kitchen Sink)	Wilmot Well Field (#1)	Wilmot Well Field (#2)
Date				18-Apr-17	18-Apr-17	18-Apr-17
Address				195 Heather Moyse Dr	855 Read Drive	855 Read Drive
City Sample Zone			Units	16	17	18
pH for Water	NA	7 to 10.5	pH	8.3	8.1	8.0
Alkalinity (ppm of CaCO3)	NA	NA	mg/L	173	116	116
Chloride	NA	250.0	mg/L	142.3	16.9	16.8
Barium dis	1	0	mg/L	0.7799	0.4115	0.4038
Calcium dis	NA	NA	mg/L	118.90	61.20	60.89
Potassium dis	NA	NA	mg/L	1.35	0.62	0.65
Copper dis	NA	1	mg/L	0.0170	<0.0020	<0.0020
Iron dis	NA	0.3	mg/L	<0.0020	<0.0020	<0.0020
Magnesium dis	NA	NA	mg/L	3.75	1.41	1.39
Manganese dis	NA	0.05	mg/L	<0.0005	<0.0005	<0.0005
Phosphorus dis	NA	NA	mg/L	0.02	0.03	0.03
Sodium dis	NA	200.0	mg/L	48.12	6.83	6.80
Sulfate calc from S dis	NA	500	mg/L	16.68	10.30	10.20
Lead dis	0.01	NA	mg/L	<0.0001	<0.0001	<0.0001
Zinc dis	NA	5	mg/L	<0.0020	0.0020	0.0210
Hardness	NA	NA	mg/L	295.9	158.6	157.8
Arsenic dis	0.01	NA	mg/L	0.0006	0.0002	0.0002
Nitrate	10	NA	mg/L	3.2	7.4	7.5
Selenium	0.05	NA	mg/L	<0.0040	<0.0040	<0.0040
Uranium	0.02	NA	mg/L	0.0024	0.0004	0.0004



Horizontal Water Chemistry Test Results

January 1, 2017 to Decer

Health Canada MAC Health Canda AO

Sample ID				P170418049	P170502074	P170516086
Location				Wilmot Well Field (#4)	ADL	ADL
Date				18-Apr-17	2-May-17	16-May-17
Address				855 Read Drive	79 Water Street	79 Water Street
City Sample Zone			Units	19	6	6
pH for Water	NA	7 to 10.5	pH	7.8	7.9	7.9
Alkalinity (ppm of CaCO3)	NA	NA	mg/L	150	158	165
Chloride	NA	250.0	mg/L	21.6	109.7	130.7
Barium dis	1	0	mg/L	0.3191	0.5069	0.6969
Calcium dis	NA	NA	mg/L	79.72	96.19	98.31
Potassium dis	NA	NA	mg/L	0.74	1.04	1.22
Copper dis	NA	1	mg/L	<0.0020	0.0170	0.0270
Iron dis	NA	0.3	mg/L	<0.0020	<0.0020	<0.0020
Magnesium dis	NA	NA	mg/L	1.71	2.89	3.18
Manganese dis	NA	0.05	mg/L	0.0012	0.0005	<0.0005
Phosphorus dis	NA	NA	mg/L	0.04	0.02	0.02
Sodium dis	NA	200.0	mg/L	10.56	35.21	45.35
Sulfate calc from S dis	NA	500	mg/L	12.92	14.32	16.14
Lead dis	0.01	NA	mg/L	<0.0001	<0.0001	0.0001
Zinc dis	NA	5	mg/L	0.0040	0.0030	0.0040
Hardness	NA	NA	mg/L	206.1	252.1	258.6
Arsenic dis	0.01	NA	mg/L	0.0002	0.0005	0.0005
Nitrate	10	NA	mg/L	8.8	5.9	4.1
Selenium	0.05	NA	mg/L	<0.0040	0.0002	0.0003
Uranium	0.02	NA	mg/L	0.0003	0.0017	0.0020



Horizontal Water Chemistry Test Results

January 1, 2017 to Decer

Health Canada MAC Health Canda AO

Sample ID				P170530093	P170627117	P170801084	P170815078
Location				ADL Plant	ADL Plant	ADL Plant	ADL Plant
Date				30-May-17	27-Jun-17	21-Aug-17	15-Aug-17
Address				79 Water Street	79 Water Street	79 Water Street	79 Water Street
City Sample Zone			Units	6	6	6	6
pH for Water	NA	7 to 10.5	pH	7.7	8.0	7.8	7.9
Alkalinity (ppm of CaCO3)	NA	NA	mg/L	134	133	154	148
Chloride	NA	250.0	mg/L	71.8	65.9	102.4	105.8
Barium dis	1	0	mg/L	0.5099	0.5141	0.6394	0.5601
Calcium dis	NA	NA	mg/L	80.32	76.50	98.85	93.13
Potassium dis	NA	NA	mg/L	0.94	0.91	1.16	1.04
Copper dis	NA	1	mg/L	0.0220	0.0220	0.0230	0.0190
Iron dis	NA	0.3	mg/L	<0.0020	<0.0020	<0.0020	<0.0020
Magnesium dis	NA	NA	mg/L	2.26	2.15	2.93	2.66
Manganese dis	NA	0.05	mg/L	<0.0005	<0.0005	<0.0005	<0.0005
Phosphorus dis	NA	NA	mg/L	0.03	0.03	0.03	0.02
Sodium dis	NA	200.0	mg/L	25.41	23.38	35.84	33.02
Sulfate calc from S dis	NA	500	mg/L	14.96	12.48	14.78	14.07
Lead dis	0.01	NA	mg/L	0.0002	0.0002	<0.0001	<0.0001
Zinc dis	NA	5	mg/L	0.0030	0.0030	0.0040	0.0030
Hardness	NA	NA	mg/L	209.9	199.9	258.9	243.5
Arsenic dis	0.01	NA	mg/L	0.0004	0.0005	0.0004	0.0005
Nitrate	10	NA	mg/L	5.7	5.8	5.3	5.4
Selenium	0.05	NA	mg/L	<0.0002	<0.0002	0.0002	0.0002
Uranium	0.02	NA	mg/L	0.0010	0.0010	0.0015	0.0014



Horizontal Water Chemistry Test Results

January 1, 2017 to Decer

Health Canada MAC Health Canda AO

Sample ID				P170829073	P170919041	P171003055	P171017053
Location				ADL Plant	ADL Plant	ADL Plant	ADL Plant
Date				29-Aug-17	19-Sep-17	3-Oct-17	17-Oct-17
Address				79 Water Street	79 Water Street	79 Water Street	79 Water Street
City Sample Zone			Units	6	6	6	6
pH for Water	NA	7 to 10.5	pH	7.4	7.9	7.8	7.7
Alkalinity (ppm of CaCO3)	NA	NA	mg/L	156	154	151	142
Chloride	NA	250.0	mg/L	113.7	116.8	117.2	84.9
Barium dis	1	0	mg/L	0.5670	0.5986	0.5762	0.5557
Calcium dis	NA	NA	mg/L	96.32	93.20	99.53	88.60
Potassium dis	NA	NA	mg/L	1.22	1.12	1.14	0.96
Copper dis	NA	1	mg/L	0.0260	0.0220	0.0230	0.0310
Iron dis	NA	0.3	mg/L	<0.0020	<0.0020	<0.0020	<0.0020
Magnesium dis	NA	NA	mg/L	2.81	2.93	2.90	2.46
Manganese dis	NA	0.05	mg/L	<0.0005	<0.0005	<0.0005	<0.0005
Phosphorus dis	NA	NA	mg/L	0.03	0.02	0.02	0.03
Sodium dis	NA	200.0	mg/L	37.72	35.21	39.07	28.91
Sulfate calc from S dis	NA	500	mg/L	15.19	14.23	15.35	13.4
Lead dis	0.01	NA	mg/L	0.0001	0.0001	<0.0001	0.0004
Zinc dis	NA	5	mg/L	0.0030	<0.0020	0.0050	0.0040
Hardness	NA	NA	mg/L	252.1	244.8	260.5	231.3
Arsenic dis	0.01	NA	mg/L	0.0004	0.0005	0.0004	0.0005
Nitrate	10	NA	mg/L	5.1	5.4	5.0	5.7
Selenium	0.05	NA	mg/L	0.0002	0.0002	0.0002	<0.0002
Uranium	0.02	NA	mg/L	0.0014	0.0017	0.0016	0.0013



Horizontal Water Chemistry Test Results

January 1, 2017 to Decer

Health Canada MAC Health Canda AO

Sample ID				P171031041	P171114037	P171129031	P171212052
Location				ADL Plant	ADL Plant	ADL Plant	ADL Plant
Date				31-Oct-17	14-Nov-17	29-Nov-17	12-Dec-17
Address				79 Water Street	79 Water Street	79 Water Street	79 Water Street
City Sample Zone			Units	6	6	6	6
pH for Water	NA	7 to 10.5	pH	7.9	8.0	7.6	7.6
Alkalinity (ppm of CaCO3)	NA	NA	mg/L	146	142	161	156
Chloride	NA	250.0	mg/L	90.1	88.5	115.0	120.4
Barium dis	1	0	mg/L	0.5542	0.5991	0.6785	0.6827
Calcium dis	NA	NA	mg/L	93.08	89.43	95.13	92.30
Potassium dis	NA	NA	mg/L	0.99	0.96	1.17	1.12
Copper dis	NA	1	mg/L	0.0200	0.0200	0.0210	0.0230
Iron dis	NA	0.3	mg/L	<0.0020	<0.0020	<0.0020	<0.0020
Magnesium dis	NA	NA	mg/L	2.45	2.51	2.97	3.04
Manganese dis	NA	0.05	mg/L	<0.0005	<0.0005	<0.0005	<0.0005
Phosphorus dis	NA	NA	mg/L	0.03	0.02	0.02	0.02
Sodium dis	NA	200.0	mg/L	29.66	29.19	40.49	38.76
Sulfate calc from S dis	NA	500	mg/L	13.98	13.12	14.78	14.54
Lead dis	0.01	NA	mg/L	0.0003	0.0001	0.0001	0.0001
Zinc dis	NA	5	mg/L	0.0030	<0.0020	0.0040	0.0030
Hardness	NA	NA	mg/L	242.5	233.6	249.8	265.7
Arsenic dis	0.01	NA	mg/L	0.0004	0.0004	0.0006	0.0005
Nitrate	10	NA	mg/L	5.5	5.2	4.7	4.6
Selenium	0.05	NA	mg/L	0.0002	0.0002	0.0003	0.0003
Uranium	0.02	NA	mg/L	0.0014	0.0015	0.0020	0.0021



Horizontal Water Chemistry Test Results

January 1, 2017 to Decer

Health Canada MAC Health Canda AO

Sample ID				P171227024
Location				ADL Plant
Date				27-Dec-17
Address				79 Water Street
City Sample Zone			Units	6
pH for Water	NA	7 to 10.5	pH	7.9
Alkalinity (ppm of CaCO3)	NA	NA	mg/L	152
Chloride	NA	250.0	mg/L	107.9
Barium dis	1	0	mg/L	0.6217
Calcium dis	NA	NA	mg/L	93.73
Potassium dis	NA	NA	mg/L	1.19
Copper dis	NA	1	mg/L	0.0200
Iron dis	NA	0.3	mg/L	<0.0020
Magnesium dis	NA	NA	mg/L	3.26
Manganese dis	NA	0.05	mg/L	<0.0005
Phosphorus dis	NA	NA	mg/L	0.02
Sodium dis	NA	200.0	mg/L	39.27
Sulfate calc from S dis	NA	500	mg/L	15.55
Lead dis	0.01	NA	mg/L	<0.0001
Zinc dis	NA	5	mg/L	0.0040
Hardness	NA	NA	mg/L	247.5
Arsenic dis	0.01	NA	mg/L	0.0004
Nitrate	10	NA	mg/L	4.7
Selenium	0.05	NA	mg/L	0.0003
Uranium	0.02	NA	mg/L	0.0018