



City of Summerside
Waste Water Treatment and Collection Facilities
Report for 2020

Date Submitted: January, 2021

Submitted by: City of Summerside Sewer Utility

1. Introduction

The City of Summerside operates a Treatment Facility that services approximately 15,000 people within the city. The plant is a tertiary BNR system that removes ammonia, phosphorus, and nitrogen from the water before it leaves the facility. The utility includes 116,077.3 meters of gravity sewer main, 9,927.9 meters of sewer force main, and 12 lift stations. This report is prepared to give the public a clear understanding of the facilities operation over the past year, 2020.

2. Summary of Wastewater Effluent Data Operation

The City of Summerside is required to meet maximum concentrations of 25mg/L of carbonaceous Biochemical Oxygen Demand (cBOD) and 25 mg/L of Total Suspended Solids (TSS) with Faecal Coliform of 200 Most Probable Number (MPN) / 100ml. These parameters are as per our Certificate of Approval from the Province of Prince Edward Island.

3. Summary of Discharge Notifications

During the calendar year 2020 there was 1 discharge event. The event was due to poor settling secondary sludge at the wastewater treatment plant. The event began on December 13 2020 and lasted until January 6 2021.

4. Major Operational Modifications

There were no operational modifications to the Summerside WWTP in 2020.

5. Major Construction WWTP Projects

There were no construction projects at the Summerside WPCC in 2020.

6. Summary of Biosolids Production

The City of Summerside produced a total of 4666 metric tons of fertilizer product through their N-Viro system during 2020. See table 4 for the breakdown of product used.

7. Summary of Flow Metering

The flow at the City of Summerside WWTP is measured using a Parshall flume and electronic instrument and recorded on our SCADA system. See Appendix D for daily flow readings.

8. Summary of Waste Water Collection System

In 2020 the City of Summerside continued to operate a modern Waste Water Collection System including gravity mains, force mains, and lift stations. Below is a list of lift stations under the care of the City of Summerside which all continued to receive maintenance as per usual in 2020:

Summerside Lift Station ID number	Location
LS 1	Northumberland Street
LS 2	Eustane Street
LS 3	Read's Corner
LS 4	Red Bridge
LS 5	Crozier Drive
LS 6	Glover's Shore Road
LS 7	Whitecap Drive
LS 8	Heather Moyse Drive
LS 9	MacKenzie Drive
LS 10	Briggs Street
LS 11	Granville Street
LS 12	MacKenzie Drive #2

Table 1: Summary of Wastewater Effluent Data

Date Sampled	Sample Location (WWTP)	ID #	cBOD (mg/L)	TSS (mg/L)	Faecal (MPN/100mL)
	Regulated Maximum Limits		25.0	25.0	200
January 8 2020	After UV Outfall	W200108002	<10	7	<2
January 22, 2020	After UV Outfall	W200122001	<10	7	<2
February 2, 2020	After UV Outfall	W200205007	<10	8	2
February 19, 2020	After UV Outfall	W200219005	<10	7	<2
February 26, 2020	After UV Outfall	W200226005	<10	9	2
March 4 2020	After UV Outfall	W200304002	<10	8	<2
April 6 2020	After UV Outfall		Na	Na	4
May 4 2020	After UV Outfall	W200504003	Na	Na	<2
May 20 2020	After UV Outfall	W200520005	<10	5	<2
June 2 2020	After UV Outfall	W200602004	<10	6	<2
June 17 2020	After UV Outfall		<10	6	<2
June 24 2020	After UV Outfall	W200624001	<10	5	<2
July 8 2020	After UV Outfall	W200708002	<10	13	2
July 22 2020	After UV Outfall	W200722003	<10	7	<2
August 5 2020	After UV Outfall	W200805001	<10	5	<2
August 19 2020	After UV Outfall	W200819008	<10	6	<2
September 2 2020	After UV Outfall	W200902002	<10	4	<2
September 16 2020	After UV Outfall	W200916006	<10	4	<2
September 30 2020	After UV Outfall	W200930002	<10	2	4
October 14 2020	After UV Outfall	W201014002	<10	5	<2
October 28 2020	After UV Outfall	W201028007	<10	4	<2
November 12 2020	After UV Outfall	W201112003	<10	7	2
November 18 2020	After UV Outfall	W201118003	<10	5	2
December 2 2020	After UV Outfall	W201202004	<10	4	<2
December 14 2020	After UV Outfall	W201214001, W201214002, W201214003	Na	75	3
December 16 2020	After UV Outfall	W201216003	24	80	<2
December 23 2020	After UV Outfall	W201223001		54	<2
December 30 2020	After UV Outfall	W201230002	14	35	4

Please note the gap in data occurring between March 4 and May 4 was due to restrictions imposed due to the COVID 19 pandemic. During this period the plant operated as normal and in house (non-accredited) lab data was used to confirm effluent quality.

Table 2: Summary of Wastewater Effluent Chemistry Data

Date Sampled	Sample Location (WWTP)	ID #	Ammonia-N (ppm)	pH	Total Nitrogen (ppm)	Total Phosphorus (ppb)
January 22, 2020	After UV Outfall	W200122001	0.106	7.0	2.2	217
June 17 2020	After UV Outfall		<0.1	7.2	1.4	166
August 22 2020	After UV Outfall	W200819008	0.174	7.3	2.8	234
November 12 2020	After UV Outfall	W201112003	<0.100	7.7	2.8	144

Table 3: Summary of Discharge Notifications for WPCC and Lift Stations

Date	Time	WW Type	Location	Period of Discharge	Total Discharge	Reason for Discharge
December 13, 2020	3:00 p.m.	Release of Partially treated wastewater	Summerside WWTP	Until January 6 2021	192,000 cubic meters	Poor settling secondary sludge resulting in high effluent TSS.

Table 4: Summary of Biosolids Production Data

Sludge Total (Kg)	Lime Total (Kg)	Lime Dust Total (Kg)	Dewatered Sludge Cake % Solids Average	Final Product % Solids Average	Product Total (tonnes)
5,921,066	101,844	1,836,814	26.69	62.20	4666

Appendix A: Effluent Wastewater Lab Reports

See data in Table 1 of this report. For original copies of PEI Analytical Laboratories Reports please see Appendix F.

Appendix C: Biosolids Quality Lab Reports

	Exceptional Quality Limit, ACWWA	April 3 2020	July 10 2020	August 19 2020	October 2 2020
E. Coli	<1000 MPN/g	<2	<2	<2	<2
Salmonella	<3 MPN/4g	Absent	Absent	Absent	Absent
Arsenic	41 mg/kg	5.00	3.00	6.00	6.69
Cadmium	39 mg/kg	<0.50	<0.50	0.50	0.32
Chromium	1200 mg/kg	9.1	5.3	10.8	13.4
Copper	1500 mg/kg	51.0	53.0	102	57.5
Mercury	17 mg/kg	<0.2	<0.15	0.2	0.1
Molybdenum	75 mg/kg	2.75	1.59	3.91	4.86
Nickel	420 mg/kg	6.4	4.2	9.3	12.1
Lead	300 mg/kg	81.7	25.4	84.9	107
Selenium	100 mg/kg	3.00	2	4	4.4
Zinc	2800 mg/kg	62.8	75	121	126

Appendix D: Daily Flow Meter Readings for Summerside WPCC 2020

Note: Readings are in cubic meters per day

Day	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec
1	9534	8799	8335	10644	10018	9440	8135	7300	7442	7479	8137	7095
2	10195	9058	9096	13005	9898	9673	8314	7118	7624	7399	7780	7649
3	10022	9618	9705	14054	9695	9086	8321	7889	7623	6738	7629	7244
4	9332	9217	13173	11968	10686	8961	7750	7740	7572	6824	7320	7207
5	9551	9340	9815	12001	10926	9028	7901	7819	6632	7439	7535	8992
6	9968	9021	9308	13082	10174	8715	8243	7573	6663	7265	7516	8025
7	9717	9127	8987	12555	10127	8953	8194	7572	7216	7989	6835	8301
8	9689	8434	8216	11924	10108	9449	9434	6825	7601	7369	6897	8036
9	9696	8392	9148	11657	10660	8887	7838	7026	7394	7381	7700	7804
10	9532	9025	9434	12936	9996	9019	8155	7975	7042	7818	7275	7454
11	12126	9124	9065	11482	10268	8640	7692	7882	7017	6941	7152	7554
12	9989	9019	8656	10910	11712	9268	7780	8218	6587	7158	7092	7084
13	9898	8720	10110	12795	10692	8165	8146	7855	6888	7114	7350	8118
14	10125	8445	9163	12310	9838	8250	8198	7753	7617	8662	6762	8076
15	10017	8089	8762	11998	10112	8663	8160	7659	7281	7408	6730	7764
16	9913	8391	9342	11327	9494	8904	8106	7345	7482	7337	8430	7706
17	9588	8713	9205	11257	9238	8572	8106	7811	7031	8649	7382	7179
18	9153	8875	8932	10415	9670	8363	7437	7644	7252	7841	7200	7526
19	9154	9074	9056	10538	9762	8484	7231	7658	6546	8215	6874	7142
20	9423	8189	14994	10935	9736	7931	7150	7274	6619	8238	7415	7122
21	9259	8446	12261	10614	9646	7961	6865	7430	7189	8034	6802	9130
22	9647	7860	10254	10914	9856	8685	7205	6627	11628	7667	6884	8503
23	9199	8067	10251	10230	8932	8767	7659	6722	10718	7862	9595	7990
24	9160	8841	10588	10292	8916	8649	7554	7354	7622	7257	7865	7456
25	8410	8916	10341	9859	9661	8278	7150	10379	7914	7259	7695	6622
26	11092	8914	10378	9625	9607	8426	7429	7596	7375	8017	7638	9286
27	10481	8725	10529	10165	9515	7909	7837	7366	7491	8012	7782	8037
28	9744	9033	9797	10021	9102	8013	8841	7342	7872	7686	7004	8806
29	9427	8297	10136	9922	9356	8476	7738	8265	7814	7266	7206	8374
30	9133		10827	9420	8939	8526.5	8392	7509	8294	6754	6772	8147
31	9443		10377		8971		7850	7703		8137		8207

Appendix E Ortho Map





PEI Analytical Laboratories - Water Quality Test Report
23 Innovation Way, Charlottetown, PE

Page 1 of 1

Client Name: City of Summerside: Wastewater Treatment
Sample Point: Summerside Water Pollution Control Plant
Date Sampled: 1/8/2020
Date Received: 1/8/2020

Sample Number: W200108002
Sample Location: After UV Outfall
Sampler: Chad Fraser
Water Type: Wastewater - WWTP - Effluent

Water Microbiology Results

(analysed at 23 Innovation Way)

<u>Method ID</u>	<u>Parameter</u>	<u>Results</u>	<u>Units</u>	<u>Detection Limit</u>
WML_09M *	Faecal coliforms A1	<2	MPN	2.00
Approved By:	Patti Larsen	Date: 1/9/2020		
WML_04M *	TSS	7	mg/L	1.00
Approved By:	Scott Brown	Date: 1/9/2020		
WML_07M *	CBOD	<10	mg/L	10.00
Approved By:	Steven Nguyen	Date: 1/14/2020		

Date of Analysis available upon request.

Legend: MPN = Most Probable Number

cfu/100 mls = colony forming unit per 100 millilitres

* = method accredited by Standards Council of Canada;

mg/L = milligrams per litre

nd = not detected; na = not analysed

Results in this report relate only to those parameters tested. This report may not be reproduced except in full, without written approval from the laboratory.



Tel 902 368 5044
Toll free 1 866 368 5044
Fax 902 368 5830
www.gov.pe.ca/enveng

City of Summerside: Wastewater Treatment Plant
275 Fitzroy St
Summerside, PE
Canada
C1N 1H9

Environment, Labour and Justice

Environment Division

PO Box 2000
Charlottetown
Prince Edward Island

WATER QUALITY ASSESSMENT

1/14/2020

Sample Number: W200108002

Client Name: City of Summerside: Wastewater Treatment Plant

Sample Point: Summerside Water Pollution Control Plant

Sample Location: After UV Outfall

Client Phone No.: 902-432-1274

Civic Address:

Community: PE

Sample Information:

Date Sampled: Wednesday, January 8, 2020

PP_NO: 68,726.00

Sampler:

Reference: Andrew MacDonald

Watertype: WasteWater

Field Notes:

Interpretation of Results:

Note: Please see reverse side for the results for specific parameters analysed.

The results and interpretation contained in this report relate only to those parameters tested.

For your information and interpretation. If you have any questions please contact the PEI
Drinking Water and Wastewater Management Section at 902-368-5043.

Approved by: Steven Nguyen



PEI Analytical Laboratories - Water Quality Test Report

23 Innovation Way, Charlottetown, PE C1E 0B7

Page 1 of 1

Client Name: City of Summerside: Wastewater Treatment Plant **Sample Number:** W200122001
Sample Point: Summerside Water Pollution Control Plant **Sample Location:** After UV Outfall
Date Sampled: January 22, 2020 **Sampler:** Winston Gallant
Date Received: January 22, 2020 **Water Type:** Wastewater - WWTP

Water Chemistry Results

(analysed at 23 Innovation Way)

<u>Method ID</u>	<u>Parameter</u>	<u>Results</u>	<u>Units</u>	<u>Detection Limit</u>
WCL_08M	* Total Phosphorus	217	ppb	10.00
WCM_05M	* Total Nitrogen	2.2	ppm	0.50
WCL_02M	* Ammonia-N	0.106	ppm	0.10
WCL_04M	* pH for Water	7.0	pH (pH Units)	0.00
Approved By: Lori Brine		Date:	January 30, 2020	

Date of Analysis available upon request.

Water Microbiology Results

(analysed at 23 Innovation Way)

<u>Method ID</u>	<u>Parameter</u>	<u>Results</u>	<u>Units</u>	<u>Detection Limit</u>
WML_09M	* Faecal coliforms A1	<2	MPN	2.00
Approved By: Scott Brown		Date:	January 23, 2020	
WML_04M	* TSS	7	mg/L	1.00
WML_07M	* CBOD	<10	mg/L	10.00
Approved By: Sandra Pinkham		Date:	January 28, 2020	

Date of Analysis available upon request.

Legend: MPN = Most Probable Number
cfu/100 mls = colony forming unit per 100 millilitres
* = method accredited by Standards Council of Canada;
ppm = parts per million
Ammonia is equivalent to (Ammonia + Ammonium)-N
mg/L = milligrams per litre
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Toll free 1 866 368 5044
Fax 902 368 5830
www.gov.pe.ca/enveng

Environment, Water and Climate Change

PO Box 2000
Charlottetown
Prince Edward Island
Canada C1A 7N8

WATER QUALITY ASSESSMENT

City of Summerside: Wastewater Treatment Plant
275 Fitzroy St
Summerside, PE
Canada
C1N 1H9

3/10/2020

Sample Number: W200122001

Client Name: City of Summerside: Wastewater Treatment Plant
Sample Point: Summerside Water Pollution Control Plant
Sample Location: After UV Outfall
Client Phone No.: 902-432-1274
Civic Address: 15 Seaweed Rd
Community: Summerside

Sample Information:

Date Sampled: Wednesday, January 22, 2020
PP_NO: 68,726.00 Sampler: Winston Gallant Reference: Ben Lanigan
Watertype: WasteWater
Field Notes:

Interpretation of Results:

Note: Please see reverse side for the results for specific parameters analysed.
The results and interpretation contained in this report relate only to those parameters tested.

For your information and interpretation. If you have any questions please contact the PEI
Drinking Water and Wastewater Management Section at 902-368-5043.

Approved by: **Steven Nguyen**





PEI Analytical Laboratories - Water Quality Test Report
23 Innovation Way, Charlottetown, PE

Page 1 of 1

Client Name: City of Summerside: Wastewater Treatment
Sample Point: Summerside Water Pollution Control Plant
Date Sampled: 2/5/2020
Date Received: 2/5/2020

Sample Number: W200205007
Sample Location: After UV Outfall
Sampler: Sam Arsenault
Water Type: Wastewater - WWTP - Effluent

Water Microbiology Results

(analysed at 23 Innovation Way)

<u>Method ID</u>	<u>Parameter</u>	<u>Results</u>	<u>Units</u>	<u>Detection Limit</u>
WML_09M *	Faecal coliforms A1	2	MPN	2.00
Approved By:	Patti Larsen	Date: 2/6/2020		
WML_04M *	TSS	8	mg/L	1.00
Approved By:	Scott Brown	Date: 2/6/2020		
WML_07M *	CBOD	<10	mg/L	10.00
Approved By:	Sandra Pinkham	Date: 2/11/2020		

Date of Analysis available upon request.

Legend: MPN = Most Probable Number

cfu/100 mls = colony forming unit per 100 millilitres

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Environment, Labour and Justice

Environment Division

PO Box 2000
Charlottetown
Prince Edward Island

WATER QUALITY ASSESSMENT

2/11/2020

City of Summerside: Wastewater Treatment Plant
275 Fitzroy St
Summerside, PE
Canada
C1N 1H9

Sample Number: W200205007

Client Name: City of Summerside: Wastewater Treatment Plant
Sample Point: Summerside Water Pollution Control Plant
Sample Location: After UV Outfall
Client Phone No.: 902-432-1274
Civic Address:
Community: PE

Sample Information:

Date Sampled: Wednesday, February 5, 2020

PP_NO: 68,726.00

Sampler:

Reference: Andrew MacDonald

Watertype: WasteWater

Field Notes:

Interpretation of Results:

Note: Please see reverse side for the results for specific parameters analysed.

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Drinking Water and Wastewater Management Section at 902-368-5043.

Approved by: _____
Sandra Pinkham



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23 Innovation Way, Charlottetown, PE C1E 0B7

Page 1 of 1

Client Name: City of Summerside: Wastewater Treatment Plant **Sample Number:** W200219005
Sample Point: Summerside Water Pollution Control Plant **Sample Location:** After UV Outfall
Date Sampled: February 19, 2020 **Sampler:** Sam Arsenault
Date Received: February 19, 2020 **Water Type:** Wastewater - WWTP - Effluent

Water Microbiology Results (analysed at 23 Innovation Way)

<u>Method ID</u>	<u>Parameter</u>	<u>Results</u>	<u>Units</u>	<u>Detection Limit</u>
WML_04M	* TSS	7	mg/L	1.00
Approved By: Patti Larsen		Date:	February 21, 2020	
WML_07M	* CBOD	<10	mg/L	10.00
WML_09M	* Faecal coliforms A1	<2	MPN	2.00
Approved By: Scott Brown		Date:	February 20, 2020	

Date of Analysis available upon request.

Legend: MPN = Most Probable Number
cfu/100 mls = colony forming unit per 100 millilitres
* = method accredited by Standards Council of Canada;
ppm = parts per million
Ammonia is equivalent to (Ammonia + Ammonium)-N
mg/L = milligrams per litre
nd = not detected; na = not analysed
ppb = parts per billion

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PO Box 2000
Charlottetown
Prince Edward Island
Canada C1A 7N8

WATER QUALITY ASSESSMENT

2/25/2020

City of Summerside: Wastewater Treatment Plant
275 Fitzroy St
Summerside, PE
Canada
C1N 1H9

Sample Number: W200219005

Client Name: City of Summerside: Wastewater Treatment Plant
Sample Point: Summerside Water Pollution Control Plant
Sample Location: After UV Outfall
Client Phone No.: 902-432-1274
Civic Address: 15 Seaweed Rd
Community: Summerside

Sample Information:

Date Sampled: Wednesday, February 19, 2020

PP_NO: 68,726.00 Sampler: Sam Arsenault

Reference: Ben Lanigan

Watertype: WasteWater

Field Notes:

Interpretation of Results:

Note: Please see reverse side for the results for specific parameters analysed.
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Drinking Water and Wastewater Management Section at 902-368-5043.

Approved by: **Scott Brown**





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Client Name: City of Summerside: Wastewater Treatment Plant **Sample Number:** W200226005
Sample Point: Summerside Water Pollution Control Plant **Sample Location:** After UV Outfall
Date Sampled: February 26, 2020 **Sampler:** Chad Fraser
Date Received: February 26, 2020 **Water Type:** Wastewater - Effluent

Water Microbiology Results (analysed at 23 Innovation Way)

<u>Method ID</u>	<u>Parameter</u>	<u>Results</u>	<u>Units</u>	<u>Detection Limit</u>
WML_07M	* CBOD	<10	mg/L	10.00
Approved By: Patti Larsen		Date:	March 03, 2020	
WML_09M	* Faecal coliforms A1	2	MPN	2.00
WML_04M	* TSS	9	mg/L	1.00
Approved By: Sandra Pinkham		Date:	March 03, 2020	

Date of Analysis available upon request.

Legend: MPN = Most Probable Number
cfu/100 mls = colony forming unit per 100 millilitres
* = method accredited by Standards Council of Canada;
ppm = parts per million
Ammonia is equivalent to (Ammonia + Ammonium)-N
mg/L = milligrams per litre
nd = not detected; na = not analysed
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PO Box 2000
Charlottetown
Prince Edward Island
Canada C1A 7N8

WATER QUALITY ASSESSMENT

City of Summerside: Wastewater Treatment Plant
275 Fitzroy St
Summerside, PE
Canada
C1N 1H9

3/3/2020

Sample Number: W200226005

Client Name: City of Summerside: Wastewater Treatment Plant
Sample Point: Summerside Water Pollution Control Plant
Sample Location: After UV Outfall
Client Phone No.: 902-432-1274
Civic Address: 15 Seaweed Rd
Community: Summerside

Sample Information:

Date Sampled: Wednesday, February 26, 2020

PP_NO: 68,726.00 Sampler: Chad Fraser

Reference: Ben Lanigan

Watertype: WasteWater

Field Notes:

Interpretation of Results:

Note: Please see reverse side for the results for specific parameters analysed.
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For your information and interpretation. If you have any questions please contact the PEI
Drinking Water and Wastewater Management Section at 902-368-5043.

Approved by: **Patti Larsen**





PEI Analytical Laboratories - Water Quality Test Report

23 Innovation Way, Charlottetown, PE C1E 0B7

Page 1 of 1

Client Name: City of Summerside: Wastewater Treatment Plant **Sample Number:** W200304002
Sample Point: Summerside Water Pollution Control Plant **Sample Location:** After UV Outfall
Date Sampled: March 04, 2020 **Sampler:** Winston Gallant
Date Received: March 04, 2020 **Water Type:** Wastewater - WWTP - Effluent

Water Microbiology Results (analysed at 23 Innovation Way)

<u>Method ID</u>	<u>Parameter</u>	<u>Results</u>	<u>Units</u>	<u>Detection Limit</u>
WML_09M	* Faecal coliforms A1	<2	MPN	2.00
Approved By:	Scott Brown	Date:	March 05, 2020	
WML_07M	* CBOD	<10	mg/L	10.00
Approved By:	Steven Nguyen	Date:	March 10, 2020	
WML_04M	* TSS	8	mg/L	1.00
Approved By:	Sandra Pinkham	Date:	March 06, 2020	

Date of Analysis available upon request.

Legend: MPN = Most Probable Number
cfu/100 mls = colony forming unit per 100 millilitres
* = method accredited by Standards Council of Canada;
ppm = parts per million
Ammonia is equivalent to (Ammonia + Ammonium)-N
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Canada C1A 7N8

WATER QUALITY ASSESSMENT

City of Summerside: Wastewater Treatment Plant
275 Fitzroy St
Summerside, PE
Canada
C1N 1H9

3/10/2020

Sample Number: W200304002

Client Name: City of Summerside: Wastewater Treatment Plant
Sample Point: Summerside Water Pollution Control Plant
Sample Location: After UV Outfall
Client Phone No.: 902-432-1274
Civic Address: 15 Seaweed Rd
Community: Summerside

Sample Information:

Date Sampled: Wednesday, March 4, 2020
PP_NO: 68,726.00 Sampler: Winston Gallant Reference: Ben Lanigan
Watertype: WasteWater
Field Notes:

Interpretation of Results:

Note: Please see reverse side for the results for specific parameters analysed.
The results and interpretation contained in this report relate only to those parameters tested.

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Drinking Water and Wastewater Management Section at 902-368-5043.

Approved by: **Sandra Pinkham**





**PEI Analytical Laboratories
Water Quality Test Report**

23 Innovation Way, Charlottetown, PE C1E 0B7



Client Name: City of Summerside: Water Department

Sampler: Chad Fraser

Sample Location: Summerside Water Pollution Control Plant

Sample Point: After UV Outfall

Water Type: WasteWater

Wastewater - WWTP - Effluent

Sample Number: W200406004

Date Sampled: 06-Apr-2020

Received Date: 06-Apr-2020

Reported Date: 07-Apr-2020

Water Microbiology Results

<u>Method ID</u>	<u>Parameter</u>	<u>Results</u>	<u>Units</u>	<u>Detection Limits</u>	<u>Date of Analysis</u>
WML_09M*	Faecal coliforms A1*	4	MPN	2	07-Apr-2020

Lab Results Approved By: Scott Brown - Laboratory Technologist

Date: 07-Apr-2020

Legend: MPN = Most Probable Number

cfu/100 mls = colony forming units per 100 millilitres

* = method accredited by Standards Council of Canada;

Ammonia is equivalent to (Ammonia + Ammonium)-N

mg/L = milligrams per litre

nd = not detected; na = not analysed

< = less than

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Department of Environment, Water and Climate Change

PO Box 2000
Charlottetown
Prince Edward Island

WATER QUALITY ASSESSMENT

Sample Code: W200406004
07-Apr-2020

City of Summerside: Water Department
Owen MacDonald
275 Fitzroy St
Summerside, PE
Canada
C1N 1H9

Client Name: City of Summerside: Water Department
Sample Point: Summerside Water Pollution Control Plant
Sample Location: After UV Outfall
Client Phone No: 902-439-5322
Civic Address: 15 Seaweed Rd
Community: Summerside

Sample Information:

Date Sampled: Apr 06, 2020

PP_NO: 68726

Sampler: Chad Fraser

Reference: Ben Lanigan

Water Type: Wastewater - WWTP - Effluent

Interpretation of Results:

Note: Please see reverse side for the results for specific parameters analysed.

The results and interpretation contained in this report relate only to those parameters tested.

For your information and interpretation. If you have any questions please contact the PEI Drinking Water and Wastewater Management Section at 902-368-5043.

Approved By:

Scott Brown - Laboratory Technologist

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PEI Analytical Laboratories - Water Quality Test Report

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Page 1 of 1

Client Name: City of Summerside: Wastewater Treatment Plant **Sample Number:** W200504003
Sample Point: Summerside Water Pollution Control Plant **Sample Location:** After UV Outfall
Date Sampled: May 04, 2020 **Sampler:** Winston Gallant
Date Received: May 04, 2020 **Water Type:** Wastewater - WWTP - Effluent

Water Microbiology Results (analysed at 23 Innovation Way)

<u>Method ID</u>	<u>Parameter</u>	<u>Results</u>	<u>Units</u>	<u>Detection Limit</u>
WML_09M	* Faecal coliforms A1	<2	MPN	2.00
Approved By:	Scott Brown	Date:	May 05, 2020	

Date of Analysis available upon request.

Legend: MPN = Most Probable Number
cfu/100 mls = colony forming unit per 100 millilitres
* = method accredited by Standards Council of Canada;
ppm = parts per million
Ammonia is equivalent to (Ammonia + Ammonium)-N
mg/L = milligrams per litre
nd = not detected; na = not analysed
ppb = parts per billion

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Environment, Water and Climate Change

PO Box 2000
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Prince Edward Island
Canada C1A 7N8

WATER QUALITY ASSESSMENT

City of Summerside: Wastewater Treatment Plant
275 Fitzroy St
Summerside, PE
Canada
C1N 1H9

5/5/2020

Sample Number: W200504003

Client Name: City of Summerside: Wastewater Treatment Plant
Sample Point: Summerside Water Pollution Control Plant
Sample Location: After UV Outfall
Client Phone No.: 902-432-1274
Civic Address: 15 Seaweed Rd
Community: Summerside

Sample Information:

Date Sampled: Monday, May 4, 2020

PP_NO: 68,726.00 Sampler: Winston Gallant

Reference: Ben Lanigan

Watertype: WasteWater

Field Notes:

Interpretation of Results:

Note: Please see reverse side for the results for specific parameters analysed.
The results and interpretation contained in this report relate only to those parameters tested.

For your information and interpretation. If you have any questions please contact the PEI
Drinking Water and Wastewater Management Section at 902-368-5043.

Approved by: **Scott Brown**





PEI Analytical Laboratories - Water Quality Test Report

23 Innovation Way, Charlottetown, PE C1E 0B7

Page 1 of 1

Client Name: City of Summerside: Wastewater Treatment Plant **Sample Number:** W200520005
Sample Point: Summerside Water Pollution Control Plant **Sample Location:** After UV Outfall
Date Sampled: May 20, 2020 **Sampler:** Sam Arsenault
Date Received: May 20, 2020 **Water Type:** Wastewater - WWTP - Effluent

Water Microbiology Results (analysed at 23 Innovation Way)

<u>Method ID</u>	<u>Parameter</u>	<u>Results</u>	<u>Units</u>	<u>Detection Limit</u>
Steven Nguyen				
WML_09M	* Faecal coliforms A1	<2	MPN	2.00
WML_04M	* TSS	5	mg/L	1.00
WML_07M	* CBOD	<10	mg/L	10.00

Approved By: Steven Nguyen Laboratory Technician

Date of Analysis available upon request.

Legend: MPN = Most Probable Number
cfu/100 mls = colony forming unit per 100 millilitres mg/L = milligrams per litre
* = method accredited by Standards Council of Canada; nd = not detected; na = not analysed
ppm = parts per million ppb = parts per billion
Ammonia is equivalent to (Ammonia + Ammonium)-N

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Communities, Land and Environment

PO Box 2000
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Prince Edward Island
Canada C1A 7N8

WATER QUALITY ASSESSMENT

5/26/2020

City of Summerside: Wastewater Treatment Plant
275 Fitzroy St
Summerside, PE
Canada
C1N 1H9

Sample Number: W200520005

Client Name: City of Summerside: Wastewater Treatment Plant

Sample Point: Summerside Water Pollution Control Plant

Sample Location: After UV Outfall

Client Phone No.: 902-432-1274

Civic Address: 15 Seaweed Rd

Community: Summerside

Sample Information:

Date Sampled: Wednesday, May 20, 2020

PP_NO: 68,726.00 Sampler: Sam Arsenault

Reference: Ben Lanigan

Watertype: WasteWater

Field Notes:

Interpretation of Results:

Note: Please see reverse side for the results for specific parameters analysed.
The results and interpretation contained in this report relate only to those parameters tested.

For your information and interpretation. If you have any questions please contact the PEI
Drinking Water and Wastewater Management Section at 902-368-5043.

Approved by: **Steven Nguyen**



PEI Analytical Laboratories - Water Quality Test Report

23 Innovation Way, Charlottetown, PE C1E 0B7

Page 1 of 1

Client Name: City of Summerside: Wastewater Treatment Plant **Sample Number:** W200602004
Sample Point: Summerside Water Pollution Control Plant **Sample Location:** After UV Out Fall
Date Sampled: June 02, 2020 **Sampler:** Winston Gallant
Date Received: June 02, 2020 **Water Type:** Wastewater - WWTP - Effluent

Water Microbiology Results (analysed at 23 Innovation Way)

<u>Method ID</u>	<u>Parameter</u>	<u>Results</u>	<u>Units</u>	<u>Detection Limit</u>
WML_04M	* TSS	6	mg/L	1.00
Approved By:	Patti Larsen	Date:	June 05, 2020	
WML_09M	* Faecal coliforms A1	<2	MPN	2.00
Approved By:	Scott Brown	Date:	June 03, 2020	
WML_07M	* CBOD	<10	mg/L	10.00
Approved By:	Steven Nguyen	Date:	June 09, 2020	

Date of Analysis available upon request.

Legend: MPN = Most Probable Number
cfu/100 mls = colony forming unit per 100 millilitres
* = method accredited by Standards Council of Canada;
ppm = parts per million
Ammonia is equivalent to (Ammonia + Ammonium)-N
mg/L = milligrams per litre
nd = not detected; na = not analysed
ppb = parts per billion

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Canada C1A 7N8

WATER QUALITY ASSESSMENT

6/9/2020

City of Summerside: Wastewater Treatment Plant
275 Fitzroy St
Summerside, PE
Canada
C1N 1H9

Sample Number: W200602004

Client Name: City of Summerside: Wastewater Treatment Plant
Sample Point: Summerside Water Pollution Control Plant
Sample Location: After UV Out Fall
Client Phone No.: 902-432-1274
Civic Address: 15 Seaweed Rd
Community: Summerside

Sample Information:

Date Sampled: Tuesday, June 2, 2020

PP_NO: 68,726.00 Sampler: Winston Gallant

Reference: Andrew MacDonald

Watertype: WasteWater

Field Notes:

Interpretation of Results:

Note: Please see reverse side for the results for specific parameters analysed.
The results and interpretation contained in this report relate only to those parameters tested.

For your information and interpretation. If you have any questions please contact the PEI
Drinking Water and Wastewater Management Section at 902-368-5043.

Approved by: **Steven Nguyen**





**PEI Analytical Laboratories
Water Quality Test Report**

23 Innovation Way, Charlottetown, PE C1E 0B7



Client Name: City of Summerside

Sampler: Mike Harris

Sample Location: Summerside Water Pollution Control Plant

Sample Point: After UV Outfall

Water Type: WasteWater

Wastewater - WWTP - Effluent

Sample Number: W200617001

Date Sampled: 17-Jun-2020

Received Date: 17-Jun-2020

Reported Date: 09-Jul-2020

Water Microbiology Results

<u>Method ID</u>	<u>Parameter</u>	<u>Results</u>	<u>Units</u>	<u>Detection Limits</u>	<u>Date of Analysis</u>
WML_07M*	CBOD*	<10	mg/L	10.00	23-Jun-2020
WML_09M*	Faecal coliforms A1*	<2	MPN	2	18-Jun-2020
WML_04M*	TSS*	6	mg/L	1	18-Jun-2020

Water Chemistry Results

<u>Method ID</u>	<u>Parameter</u>	<u>Results</u>	<u>Units</u>	<u>Detection Limits</u>	<u>Date of Analysis</u>
WCL_02M*	Ammonia-N*	<0.100	ppm	0.1000	26-Jun-2020
WCL_04M*	pH for Water*	7.2	pH (pH Units)	0.0000	17-Jun-2020
WCM_05M*	Total Nitrogen*	1.4	ppm	0.5000	29-Jun-2020
WCL_08M*	Total Phosphorus*	166	ppb	0.0100	23-Jun-2020

Lab Results Approved By: Lori Brine - Laboratory Manager

Date: 08-Jul-2020

Legend: MPN = Most Probable Number

cfu/100 mls = colony forming units per 100 millilitres

* = method accredited by Standards Council of Canada;

Ammonia is equivalent to (Ammonia + Ammonium)-N

mg/L = milligrams per litre

nd = not detected; na = not analysed

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Department of Environment, Water and Climate Change

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Prince Edward Island

WATER QUALITY ASSESSMENT

Sample Code: W200617001
09-Jul-2020

City of Summerside
275 Fitzroy St
Summerside, PE
Canada
C1N 1H9

Client Name: City of Summerside

Sample Point: Summerside Water Pollution Control Plant

Sample Location: After UV Outfall

Client Phone No: 902-432-1274

Civic Address: 15 Seaweed Rd

Community: Summerside

Sample Information:

Date Sampled: Jun 17, 2020

PP_NO: 68726

Sampler: Mike Harris

Reference: Ben Lanigan

Water Type: Wastewater - WWTP - Effluent

Interpretation of Results:

Note: Please see reverse side for the results for specific parameters analysed.

The results and interpretation contained in this report relate only to those parameters tested.

For your information and interpretation. If you have any questions please contact the PEI Drinking Water and Wastewater Management Section at 902-368-5043.

Approved By:

Steven Nguyen - Laboratory Technician

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PEI Analytical Laboratories - Water Quality Test Report

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Page 1 of 1

Client Name: City of Summerside: Wastewater Treatment Plant **Sample Number:** W200624001
Sample Point: Summerside Water Pollution Control Plant **Sample Location:** After U.V. Outfall
Date Sampled: June 24, 2020 **Sampler:** Mike Harris
Date Received: June 24, 2020 **Water Type:** Wastewater - WWTP - Effluent

Water Microbiology Results (analysed at 23 Innovation Way)

<u>Method ID</u>	<u>Parameter</u>	<u>Results</u>	<u>Units</u>	<u>Detection Limit</u>
WML_07M	* CBOD	<10	mg/L	10.00
Approved By: Patti Larsen		Date:	June 30, 2020	
WML_09M	* Faecal coliforms A1	<2	MPN	2.00
WML_04M	* TSS	5	mg/L	1.00
Approved By: Steven Nguyen		Date:	June 26, 2020	

Date of Analysis available upon request.

Legend: MPN = Most Probable Number
cfu/100 mls = colony forming unit per 100 millilitres
* = method accredited by Standards Council of Canada;
ppm = parts per million
Ammonia is equivalent to (Ammonia + Ammonium)-N
mg/L = milligrams per litre
nd = not detected; na = not analysed
ppb = parts per billion

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WATER QUALITY ASSESSMENT

City of Summerside: Wastewater Treatment Plant
275 Fitzroy St
Summerside, PE
Canada
C1N 1H9

6/30/2020

Sample Number: W200624001

Client Name: City of Summerside: Wastewater Treatment Plant
Sample Point: Summerside Water Pollution Control Plant
Sample Location: After U.V. Outfall
Client Phone No.: 902-432-1274
Civic Address: 15 Seaweed Rd
Community: Summerside

Sample Information:

Date Sampled: Wednesday, June 24, 2020

PP_NO: 68,726.00 Sampler: Mike Harris

Reference: Ben Lanigan

Watertype: WasteWater

Field Notes:

Interpretation of Results:

Note: Please see reverse side for the results for specific parameters analysed.
The results and interpretation contained in this report relate only to those parameters tested.

For your information and interpretation. If you have any questions please contact the PEI
Drinking Water and Wastewater Management Section at 902-368-5043.

Approved by: **Patti Larsen**





PEI Analytical Laboratories
Water Quality Test Report
23 Innovation Way, Charlottetown, PE C1E 0B7



Client Name: City of Summerside: Wastewater Treatment Plant

Sampler: Sam Arsenault

Sample Location: After UV Outfall

Sample Point: Summerside Water Pollution Control Plant

Water Type: WasteWater

Wastewater - WWTP - Effluent

Sample Number: W200708002

Date Sampled: 08-Jul-2020

Received Date: 08-Jul-2020

Reported Date:

Water Microbiology Results

<u>Method ID</u>	<u>Parameter</u>	<u>Results</u>	<u>Units</u>	<u>Detection Limits</u>	<u>Date of Analysis</u>
WML_07M*	CBOD*	<10	mg/L	10.00	14-Jul-2020
WML_09M*	Faecal coliforms A1*	2	MPN	2	09-Jul-2020
WML_04M*	TSS*	13	mg/L	1	10-Jul-2020

Lab Results Approved By: Steven Nguyen - Laboratory Technician

Date: 14-Jul-2020

Legend: MPN = Most Probable Number

cfu/100 mls = colony forming units per 100 millilitres

* = method accredited by Standards Council of Canada;

Ammonia is equivalent to (Ammonia + Ammonium)-N

mg/L = milligrams per litre

nd = not detected; na = not analysed

< = less than

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PO Box 2000
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WATER QUALITY ASSESSMENT

Sample Code: W200708002

City of Summerside: Wastewater Treatment Plant
Sam Arsenault
275 Fitzroy St
Summerside, PE
Canada
C1N 1H9

Client Name: City of Summerside: Wastewater Treatment Plant

Sample Point: Summerside Water Pollution Control Plant

Sample Location: After UV Outfall

Client Phone No: 902-432-1274

Civic Address: 15 Seaweed Rd

Community: Summerside

Sample Information:

Date Sampled: Jul 08, 2020

PP_NO: 68726

Sampler: Sam Arsenault

Reference: Ben Lanigan

Water Type: Wastewater - WWTP - Effluent

Interpretation of Results:

Note: Please see reverse side for the results for specific parameters analysed.

The results and interpretation contained in this report relate only to those parameters tested.

For your information and interpretation. If you have any questions please contact the PEI Drinking Water and Wastewater Management Section at 902-368-5043.

Approved By:

Steven Nguyen - Laboratory Technician

End of Report

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**PEI Analytical Laboratories
Water Quality Test Report**

23 Innovation Way, Charlottetown, PE C1E 0B7



Client Name: City of Summerside: Wastewater Treatment Plant

Sampler: Sam Arsenault

Sample Location: After UV Outfall

Sample Point: Summerside Water Pollution Control Plant

Water Type: WasteWater

Wastewater - WWTP - Effluent

Sample Number: W200722003

Date Sampled: 22-Jul-2020

Received Date: 22-Jul-2020

Reported Date:

Water Microbiology Results

<u>Method ID</u>	<u>Parameter</u>	<u>Results</u>	<u>Units</u>	<u>Detection Limits</u>	<u>Date of Analysis</u>
WML_07M*	CBOD*	<10	mg/L	10.00	28-Jul-2020
WML_09M*	Faecal coliforms A1*	<2	MPN	2	23-Jul-2020
WML_04M*	TSS*	7	mg/L	1	24-Jul-2020

Lab Results Approved By: Scott Brown - Laboratory Technologist

Date: 28-Jul-2020

Legend: MPN = Most Probable Number

cfu/100 mls = colony forming units per 100 millilitres

* = method accredited by Standards Council of Canada;

Ammonia is equivalent to (Ammonia + Ammonium)-N

mg/L = milligrams per litre

nd = not detected; na = not analysed

< = less than

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WATER QUALITY ASSESSMENT

Sample Code: W200722003

City of Summerside: Wastewater Treatment Plant
Sam Arsenault
275 Fitzroy St
Summerside, PE
Canada
C1N 1H9

Client Name: City of Summerside: Wastewater Treatment Plant

Sample Point: Summerside Water Pollution Control Plant

Sample Location: After UV Outfall

Client Phone No: 902-432-1274

Civic Address: 15 Seaweed Rd

Community: Summerside

Sample Information:

Date Sampled: Jul 22, 2020

PP_NO: 68726

Sampler: Sam Arsenault

Reference: Ben Lanigan

Water Type: Wastewater - WWTP - Effluent

Interpretation of Results:

Note: Please see reverse side for the results for specific parameters analysed.

The results and interpretation contained in this report relate only to those parameters tested.

For your information and interpretation. If you have any questions please contact the PEI Drinking Water and Wastewater Management Section at 902-368-5043.

Approved By:

Scott Brown - Laboratory Technologist

End of Report

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PEI Analytical Laboratories
Water Quality Test Report
23 Innovation Way, Charlottetown, PE C1E 0B7



Client Name: City of Summerside: Wastewater Treatment Plant

Sampler: Signed by sampler

Sample Location: After UV Outfall

Sample Point: Summerside Water Pollution Control Plant

Water Type: WasteWater

Wastewater - WWTP - Effluent

Sample Number: W200805001

Date Sampled: 05-Aug-2020

Received Date: 05-Aug-2020

Reported Date:

Water Microbiology Results

<u>Method ID</u>	<u>Parameter</u>	<u>Results</u>	<u>Units</u>	<u>Detection Limits</u>	<u>Date of Analysis</u>
WML_07M*	CBOD*	<10	mg/L	10.00	11-Aug-2020
WML_09M*	Faecal coliforms A1*	<2	MPN	2	06-Aug-2020
WML_04M*	TSS*	5	mg/L	1	06-Aug-2020

Lab Results Approved By: Steven Nguyen - Laboratory Technician

Date: 11-Aug-2020

Legend: MPN = Most Probable Number

cfu/100 mls = colony forming units per 100 millilitres

* = method accredited by Standards Council of Canada;

Ammonia is equivalent to (Ammonia + Ammonium)-N

mg/L = milligrams per litre

nd = not detected; na = not analysed

< = less than

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WATER QUALITY ASSESSMENT

Sample Code: W200805001

City of Summerside: Wastewater Treatment Plant
Sam Arsenault
275 Fitzroy St
Summerside, PE
Canada
C1N 1H9

Client Name: City of Summerside: Wastewater Treatment Plant

Sample Point: Summerside Water Pollution Control Plant

Sample Location: After UV Outfall

Client Phone No: 902-432-1274

Civic Address: 15 Seaweed Rd

Community: Summerside

Sample Information:

Date Sampled: Aug 05, 2020

PP_NO: 68726

Sampler: Signed by sampler

Reference: Andrew MacDonald

Water Type: Wastewater - WWTP - Effluent

Interpretation of Results:

Note: Please see reverse side for the results for specific parameters analysed.

The results and interpretation contained in this report relate only to those parameters tested.

For your information and interpretation. If you have any questions please contact the PEI Drinking Water and Wastewater Management Section at 902-368-5043.

Approved By:

Steven Nguyen - Laboratory Technician

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**PEI Analytical Laboratories
Water Quality Test Report**

23 Innovation Way, Charlottetown, PE C1E 0B7



Client Name: City of Summerside: Wastewater Treatment Plant

Sampler: Sam Arsenault

Sample Location: After UV outfall

Sample Point: Summerside Water Pollution Control Plant

Water Type: WasteWater

Wastewater - WWTP - Influent

Sample Number: W200819008

Date Sampled: 19-Aug-2020

Received Date: 19-Aug-2020

Reported Date:

Water Microbiology Results

<u>Method ID</u>	<u>Parameter</u>	<u>Results</u>	<u>Units</u>	<u>Detection Limits</u>	<u>Date of Analysis</u>
WML_07M*	CBOD*	<10	mg/L	10.00	25-Aug-2020
WML_09M*	Faecal coliforms A1*	<2	MPN	2	20-Aug-2020
WML_04M*	TSS*	6	mg/L	1	24-Aug-2020

Water Chemistry Results

<u>Method ID</u>	<u>Parameter</u>	<u>Results</u>	<u>Units</u>	<u>Detection Limits</u>	<u>Date of Analysis</u>
WCL_02M*	Ammonia-N*	0.174	ppm	0.1000	14-Sep-2020
WCL_04M*	pH for Water*	7.3	pH (pH Units)	0.0000	02-Sep-2020
WCM_05M*	Total Nitrogen*	2.8	ppm	0.5000	23-Sep-2020
WCL_08M*	Total Phosphorus*	234	ppb	0.0100	15-Sep-2020

Lab Results Approved By: Lori Brine - Laboratory Manager

Date: 23-Sep-2020

Legend: MPN = Most Probable Number

cfu/100 mls = colony forming units per 100 millilitres

* = method accredited by Standards Council of Canada;

Ammonia is equivalent to (Ammonia + Ammonium)-N

mg/L = milligrams per litre

nd = not detected; na = not analysed

< = less than

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Department of Environment, Water and Climate Change

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Prince Edward Island

WATER QUALITY ASSESSMENT

Sample Code: W200819008

City of Summerside: Wastewater Treatment Plant
Sam Arsenault
275 Fitzroy St
Summerside, PE
Canada
C1N 1H9

Client Name: City of Summerside: Wastewater Treatment Plant

Sample Point: Summerside Water Pollution Control Plant

Sample Location: After UV outfall

Client Phone No: 902-432-1274

Civic Address: 15 Seaweed Rd

Community: Summerside

Sample Information:

Date Sampled: Aug 19, 2020

PP_NO: 68726

Sampler: Sam Arsenault

Reference: Andrew MacDonald

Water Type: Wastewater - WWTP - Influent

Interpretation of Results:

Note: Please see reverse side for the results for specific parameters analysed.

The results and interpretation contained in this report relate only to those parameters tested.

For your information and interpretation. If you have any questions please contact the PEI Drinking Water and Wastewater Management Section at 902-368-5043.

Approved By:

Steven Nguyen - Laboratory Technician

End of Report

Results in this report relate only to the actual submitted and tested sample. This report may not be reproduced except in full, without written approval from the laboratory. Please take a moment to complete our customer satisfaction survey at <https://www.surveymonkey.com/r/PEIAL>



PEI Analytical Laboratories
Water Quality Test Report
23 Innovation Way, Charlottetown, PE C1E 0B7



Client Name: City of Summerside: Wastewater Treatment Plant

Sampler: Winston Gallant

Sample Location: After UV outfall

Sample Point: WWTP

Water Type: WasteWater

Wastewater - WWTP

Sample Number: W200902002

Date Sampled: 02-Sep-2020

Received Date: 02-Sep-2020

Reported Date:

Water Microbiology Results

<u>Method ID</u>	<u>Parameter</u>	<u>Results</u>	<u>Units</u>	<u>Detection Limits</u>	<u>Date of Analysis</u>
WML_07M*	CBOD*	<10	mg/L	10.00	08-Sep-2020
WML_09M*	Faecal coliforms A1*	<2	MPN	2	03-Sep-2020
WML_04M*	TSS*	4	mg/L	1	04-Sep-2020

Lab Results Approved By: Patti Larsen - Laboratory Technologist

Date: 08-Sep-2020

Legend: MPN = Most Probable Number
cfu/100 mls = colony forming units per 100 millilitres
* = method accredited by Standards Council of Canada;
Ammonia is equivalent to (Ammonia + Ammonium)-N

mg/L = milligrams per litre
nd = not detected; na = not analysed
< = less than

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Department of Environment, Water and Climate Change

PO Box 2000
Charlottetown
Prince Edward Island

WATER QUALITY ASSESSMENT

Sample Code: W200902002

City of Summerside: Wastewater Treatment Plant
Sam Arsenault
275 Fitzroy St
Summerside, PE
Canada
C1N 1H9

Client Name: City of Summerside: Wastewater Treatment Plant

Sample Point: WWTP

Sample Location: After UV outfall

Client Phone No: 902-432-1274

Civic Address: 15 Seaweed Rd

Community: Summerside

Sample Information:

Date Sampled: Sep 02, 2020

PP_NO: 68726

Sampler: Winston Gallant

Reference: Andrew MacDonald

Water Type: Wastewater - WWTP

Interpretation of Results:

Note: Please see reverse side for the results for specific parameters analysed.

The results and interpretation contained in this report relate only to those parameters tested.

For your information and interpretation. If you have any questions please contact the PEI Drinking Water and Wastewater Management Section at 902-368-5043.

Approved By:

Patti Larsen - Laboratory Technologist

End of Report

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PEI Analytical Laboratories
Water Quality Test Report
23 Innovation Way, Charlottetown, PE C1E 0B7



Client Name: City of Summerside: Wastewater Treatment Plant

Sampler: Mike Harris

Sample Location: After UV Outfall

Sample Point: Summerside Water Pollution Control Plant

Water Type: WasteWater

Wastewater - WWTP - Effluent

Sample Number: W200916006

Date Sampled: 16-Sep-2020

Received Date: 16-Sep-2020

Reported Date:

Water Microbiology Results

<u>Method ID</u>	<u>Parameter</u>	<u>Results</u>	<u>Units</u>	<u>Detection Limits</u>	<u>Date of Analysis</u>
WML_07M*	CBOD*	<10	mg/L	10.00	22-Sep-2020
WML_09M*	Faecal coliforms A1*	<2	MPN	2	17-Sep-2020
WML_04M*	TSS*	4	mg/L	1	18-Sep-2020

Lab Results Approved By: Patti Larsen - Laboratory Technologist

Date: 22-Sep-2020

Legend: MPN = Most Probable Number
cfu/100 mls = colony forming units per 100 millilitres
* = method accredited by Standards Council of Canada;
Ammonia is equivalent to (Ammonia + Ammonium)-N

mg/L = milligrams per litre
nd = not detected; na = not analysed
< = less than

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Department of Environment, Water and Climate Change

PO Box 2000
Charlottetown
Prince Edward Island

WATER QUALITY ASSESSMENT

Sample Code: W200916006

City of Summerside: Wastewater Treatment Plant
Sam Arsenault
275 Fitzroy St
Summerside, PE
Canada
C1N 1H9

Client Name: City of Summerside: Wastewater Treatment Plant

Sample Point: Summerside Water Pollution Control Plant

Sample Location: After UV Outfall

Client Phone No: 902-432-1274

Civic Address: 15 Seaweed Rd

Community: Summerside

Sample Information:

Date Sampled: Sep 16, 2020

PP_NO: 68726

Sampler: Mike Harris

Reference: Andrew MacDonald

Water Type: Wastewater - WWTP - Effluent

Interpretation of Results:

Note: Please see reverse side for the results for specific parameters analysed.

The results and interpretation contained in this report relate only to those parameters tested.

For your information and interpretation. If you have any questions please contact the PEI Drinking Water and Wastewater Management Section at 902-368-5043.

Approved By:

Patti Larsen - Laboratory Technologist

End of Report

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**PEI Analytical Laboratories
Water Quality Test Report**

23 Innovation Way, Charlottetown, PE C1E 0B7



Client Name: City of Summerside: Wastewater Treatment Plant

Sampler: Mike Harris

Sample Location: After U.V. Outfall

Sample Point: Summerside Water Pollution Control Plant

Water Type: WasteWater

Wastewater - WWTP - Effluent

Sample Number: W200930002

Date Sampled: 30-Sep-2020

Received Date: 30-Sep-2020

Reported Date:

Water Microbiology Results

<u>Method ID</u>	<u>Parameter</u>	<u>Results</u>	<u>Units</u>	<u>Detection Limits</u>	<u>Date of Analysis</u>
WML_07M*	CBOD*	<10	mg/L	10.00	06-Oct-2020
WML_09M*	Faecal coliforms A1*	4	MPN	2	01-Oct-2020
WML_04M*	TSS*	2	mg/L	1	02-Oct-2020

Lab Results Approved By: Patti Larsen - Laboratory Technologist

Date: 06-Oct-2020

Legend: MPN = Most Probable Number
cfu/100 mls = colony forming units per 100 millilitres
* = method accredited by Standards Council of Canada;
Ammonia is equivalent to (Ammonia + Ammonium)-N

mg/L = milligrams per litre
nd = not detected; na = not analysed
< = less than

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Department of Environment, Water and Climate Change

PO Box 2000
Charlottetown
Prince Edward Island

WATER QUALITY ASSESSMENT

Sample Code: W200930002

City of Summerside: Wastewater Treatment Plant
Sam Arsenault
275 Fitzroy St
Summerside, PE
Canada
C1N 1H9

Client Name: City of Summerside: Wastewater Treatment Plant

Sample Point: Summerside Water Pollution Control Plant

Sample Location: After U.V. Outfall

Client Phone No: 902-432-1274

Civic Address: 15 Seaweed Rd

Community: Summerside

Sample Information:

Date Sampled: Sep 30, 2020

PP_NO: 68726

Sampler: Mike Harris

Reference: Ben Lanigan

Water Type: Wastewater - WWTP - Effluent

Interpretation of Results:

Note: Please see reverse side for the results for specific parameters analysed.

The results and interpretation contained in this report relate only to those parameters tested.

For your information and interpretation. If you have any questions please contact the PEI Drinking Water and Wastewater Management Section at 902-368-5043.

Approved By:

Patti Larsen - Laboratory Technologist

End of Report

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PEI Analytical Laboratories
Water Quality Test Report
23 Innovation Way, Charlottetown, PE C1E 0B7



Client Name: City of Summerside: Wastewater Treatment Plant
Sampler: Sam Arsenault
Sample Location: After UV Outfall
Sample Point: Summerside Water Pollution Control Plant
Water Type: WasteWater
Wastewater - WWTP - Effluent

Sample Number: W201014002
Date Sampled: 14-Oct-2020
Received Date: 14-Oct-2020
Reported Date:

Water Microbiology Results

<u>Method ID</u>	<u>Parameter</u>	<u>Results</u>	<u>Units</u>	<u>Detection Limits</u>	<u>Date of Analysis</u>
WML_07M*	CBOD*	<10	mg/L	10.00	20-Oct-2020
WML_09M*	Faecal coliforms A1*	<2	MPN	2	15-Oct-2020
WML_04M*	TSS*	5	mg/L	1	15-Oct-2020

Lab Results Approved By: Steven Nguyen - Laboratory Technician

Date: 20-Oct-2020

Legend: MPN = Most Probable Number
cfu/100 mls = colony forming units per 100 millilitres
* = method accredited by Standards Council of Canada;
Ammonia is equivalent to (Ammonia + Ammonium)-N

mg/L = milligrams per litre
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< = less than

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Charlottetown
Prince Edward Island

WATER QUALITY ASSESSMENT

Sample Code: W201014002

City of Summerside: Wastewater Treatment Plant
Sam Arsenault
275 Fitzroy St
Summerside, PE
Canada
C1N 1H9

Client Name: City of Summerside: Wastewater Treatment Plant

Sample Point: Summerside Water Pollution Control Plant

Sample Location: After UV Outfall

Client Phone No: 902-432-1274

Civic Address: 15 Seaweed Rd

Community: Summerside

Sample Information:

Date Sampled: Oct 14, 2020

PP_NO: 68726

Sampler: Sam Arsenault

Reference: Ben Lanigan

Water Type: Wastewater - WWTP - Effluent

Interpretation of Results:

Note: Please see reverse side for the results for specific parameters analysed.

The results and interpretation contained in this report relate only to those parameters tested.

For your information and interpretation. If you have any questions please contact the PEI Drinking Water and Wastewater Management Section at 902-368-5043.

Approved By:

Steven Nguyen - Laboratory Technician

End of Report

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**PEI Analytical Laboratories
Water Quality Test Report**

23 Innovation Way, Charlottetown, PE C1E 0B7



Client Name: City of Summerside: Wastewater Treatment Plant

Sampler: Mike Harris

Sample Location: After U.V. Outfall

Sample Point: Summerside Water Pollution Control Plant

Water Type: WasteWater

Wastewater - WWTP - Effluent

Sample Number: W201028007

Date Sampled: 28-Oct-2020

Received Date: 28-Oct-2020

Reported Date:

Water Microbiology Results

<u>Method ID</u>	<u>Parameter</u>	<u>Results</u>	<u>Units</u>	<u>Detection Limits</u>	<u>Date of Analysis</u>
WML_07M*	CBOD*	<10	mg/L	10.00	03-Nov-2020
WML_09M*	Faecal coliforms A1*	<2	MPN	2	29-Oct-2020
WML_04M*	TSS*	4	mg/L	1	30-Oct-2020

Lab Results Approved By: Patti Larsen - Laboratory Technologist

Date: 03-Nov-2020

Legend: MPN = Most Probable Number
cfu/100 mls = colony forming units per 100 millilitres
* = method accredited by Standards Council of Canada;
Ammonia is equivalent to (Ammonia + Ammonium)-N

mg/L = milligrams per litre
nd = not detected; na = not analysed
< = less than

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Department of Environment, Water and Climate Change

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Prince Edward Island

WATER QUALITY ASSESSMENT

Sample Code: W201028007

City of Summerside: Wastewater Treatment Plant
Sam Arsenault
275 Fitzroy St
Summerside, PE
Canada
C1N 1H9

Client Name: City of Summerside: Wastewater Treatment Plant

Sample Point: Summerside Water Pollution Control Plant

Sample Location: After U.V. Outfall

Client Phone No: 902-432-1274

Civic Address: 15 Seaweed Rd

Community: Summerside

Sample Information:

Date Sampled: Oct 28, 2020

PP_NO: 68726

Sampler: Mike Harris

Reference: Ben Lanigan

Water Type: Wastewater - WWTP - Effluent

Interpretation of Results:

Note: Please see reverse side for the results for specific parameters analysed.

The results and interpretation contained in this report relate only to those parameters tested.

For your information and interpretation. If you have any questions please contact the PEI Drinking Water and Wastewater Management Section at 902-368-5043.

Approved By:

Patti Larsen - Laboratory Technologist

End of Report

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**PEI Analytical Laboratories
Water Quality Test Report**

23 Innovation Way, Charlottetown, PE C1E 0B7



Client Name: City of Summerside: Wastewater Treatment Plant

Sampler: Winston Gallant

Sample Location: After UV Outfall

Sample Point: Summerside Water Pollution Control Plant

Water Type: WasteWater

Wastewater - WWTP - Effluent

Sample Number: W201112003

Date Sampled: 12-Nov-2020

Received Date: 12-Nov-2020

Reported Date:

Water Microbiology Results

<u>Method ID</u>	<u>Parameter</u>	<u>Results</u>	<u>Units</u>	<u>Detection Limits</u>	<u>Date of Analysis</u>
WML_07M*	CBOD*	<10	mg/L	10.00	17-Nov-2020
WML_09M*	Faecal coliforms A1*	2	MPN	2	16-Nov-2020
WML_04M*	TSS*	7	mg/L	1	12-Nov-2020

Water Chemistry Results

<u>Method ID</u>	<u>Parameter</u>	<u>Results</u>	<u>Units</u>	<u>Detection Limits</u>	<u>Date of Analysis</u>
WCL_02M*	Ammonia-N*	<0.100	ppm	0.1000	18-Nov-2020
WCL_04M*	pH for Water*	7.7	pH (pH Units)	0.0000	01-Dec-2020
WCM_05M*	Total Nitrogen*	2.8	ppm	0.5000	01-Dec-2020
WCL_08M*	Total Phosphorus*	144	ppb	0.0100	27-Nov-2020

Lab Results Approved By: Lori Brine - Laboratory Manager

Date: 02-Dec-2020

Legend: MPN = Most Probable Number

cfu/100 mls = colony forming units per 100 millilitres

* = method accredited by Standards Council of Canada;

Ammonia is equivalent to (Ammonia + Ammonium)-N

mg/L = milligrams per litre

nd = not detected; na = not analysed

< = less than

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Department of Environment, Water and Climate Change

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Prince Edward Island

WATER QUALITY ASSESSMENT

Sample Code: W201112003

City of Summerside: Wastewater Treatment Plant
Sam Arsenault
275 Fitzroy St
Summerside, PE
Canada
C1N 1H9

Client Name: City of Summerside: Wastewater Treatment Plant

Sample Point: Summerside Water Pollution Control Plant

Sample Location: After UV Outfall

Client Phone No: 902-432-1274

Civic Address: 15 Seaweed Rd

Community: Summerside

Sample Information:

Date Sampled: Nov 12, 2020

PP_NO: 68726

Sampler: Winston Gallant

Reference: Ben Lanigan

Water Type: Wastewater - WWTP - Effluent

Interpretation of Results:

Note: Please see reverse side for the results for specific parameters analysed.

The results and interpretation contained in this report relate only to those parameters tested.

For your information and interpretation. If you have any questions please contact the PEI Drinking Water and Wastewater Management Section at 902-368-5043.

Approved By:

Steven Nguyen - Laboratory Technician

End of Report

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**PEI Analytical Laboratories
Water Quality Test Report**

23 Innovation Way, Charlottetown, PE C1E 0B7



Client Name: City of Summerside: Wastewater Treatment Plant

Sampler: Chad Fraser

Sample Location: After UV outfall

Sample Point: WWTP

Water Type: WasteWater

Wastewater - WWTP - Effluent

Sample Number: W201118003

Date Sampled: 18-Nov-2020

Received Date: 18-Nov-2020

Reported Date:

Water Microbiology Results

<u>Method ID</u>	<u>Parameter</u>	<u>Results</u>	<u>Units</u>	<u>Detection Limits</u>	<u>Date of Analysis</u>
WML_07M*	CBOD*	<10	mg/L	10.00	24-Nov-2020
WML_09M*	Faecal coliforms A1*	2	MPN	2	19-Nov-2020
WML_04M*	TSS*	5	mg/L	1	19-Nov-2020

Lab Results Approved By: Patti Larsen - Laboratory Technologist

Date: 24-Nov-2020

Legend: MPN = Most Probable Number

cfu/100 mls = colony forming units per 100 millilitres

* = method accredited by Standards Council of Canada;

Ammonia is equivalent to (Ammonia + Ammonium)-N

mg/L = milligrams per litre

nd = not detected; na = not analysed

< = less than

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Department of Environment, Water and Climate Change

PO Box 2000
Charlottetown
Prince Edward Island

WATER QUALITY ASSESSMENT

Sample Code: W201118003

City of Summerside: Wastewater Treatment Plant
Sam Arsenault
275 Fitzroy St
Summerside, PE
Canada
C1N 1H9

Client Name: City of Summerside: Wastewater Treatment Plant

Sample Point: WWTP

Sample Location: After UV outfall

Client Phone No: 902-432-1274

Civic Address: 15 Seaweed Rd

Community: Summerside

Sample Information:

Date Sampled: Nov 18, 2020

PP_NO: 68726

Sampler: Chad Fraser

Reference: Ben Lanigan

Water Type: Wastewater - WWTP - Effluent

Interpretation of Results:

Note: Please see reverse side for the results for specific parameters analysed.

The results and interpretation contained in this report relate only to those parameters tested.

For your information and interpretation. If you have any questions please contact the PEI Drinking Water and Wastewater Management Section at 902-368-5043.

Approved By:

Patti Larsen - Laboratory Technologist

End of Report

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**PEI Analytical Laboratories
Water Quality Test Report**

23 Innovation Way, Charlottetown, PE C1E 0B7



Client Name: City of Summerside: Wastewater Treatment Plant

Sampler: Mike Harris

Sample Location: After U.V. Outfall

Sample Point: Summerside Water Pollution Control Plant

Water Type: WasteWater

Wastewater - WWTP - Effluent

Sample Number: W201202004

Date Sampled: 02-Dec-2020

Received Date: 02-Dec-2020

Reported Date:

Water Microbiology Results

<u>Method ID</u>	<u>Parameter</u>	<u>Results</u>	<u>Units</u>	<u>Detection Limits</u>	<u>Date of Analysis</u>
WML_07M*	CBOD*	<10	mg/L	10.00	08-Dec-2020
WML_09M*	Faecal coliforms A1*	<2	MPN	2	03-Dec-2020
WML_04M*	TSS*	4	mg/L	1	04-Dec-2020

Lab Results Approved By: Patti Larsen - Laboratory Technologist

Date: 08-Dec-2020

Legend: MPN = Most Probable Number

cfu/100 mls = colony forming units per 100 millilitres

* = method accredited by Standards Council of Canada;

Ammonia is equivalent to (Ammonia + Ammonium)-N

mg/L = milligrams per litre

nd = not detected; na = not analysed

< = less than

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Department of Environment, Water and Climate Change

PO Box 2000
Charlottetown
Prince Edward Island

WATER QUALITY ASSESSMENT

Sample Code: W201202004

City of Summerside: Wastewater Treatment Plant
Sam Arsenault
275 Fitzroy St
Summerside, PE
Canada
C1N 1H9

Client Name: City of Summerside: Wastewater Treatment Plant

Sample Point: Summerside Water Pollution Control Plant

Sample Location: After U.V. Outfall

Client Phone No: 902-432-1274

Civic Address: 15 Seaweed Rd

Community: Summerside

Sample Information:

Date Sampled: Dec 02, 2020

PP_NO: 68726

Sampler: Mike Harris

Reference: Ben Lanigan

Water Type: Wastewater - WWTP - Effluent

Interpretation of Results:

Note: Please see reverse side for the results for specific parameters analysed.

The results and interpretation contained in this report relate only to those parameters tested.

For your information and interpretation. If you have any questions please contact the PEI Drinking Water and Wastewater Management Section at 902-368-5043.

Approved By:

Patti Larsen - Laboratory Technologist

End of Report

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PEI Analytical Laboratories - Water Quality Test Report

23 Innovation Way, Charlottetown, PE

Page 1 of 1

Client Name: City of Summerside: Wastewater Treatment
Sample Point: Summerside Water Pollution Control Plant
Date Sampled: 12/14/2020
Date Received: 12/14/2020

Sample Number: W201214001
Sample Location: After UV Outfall
Sampler: Chad Fraser
Water Type: Wastewater - WWTP - Effluent

Water Microbiology Results

(analysed at 23 Innovation Way)

<u>Method ID</u>	<u>Parameter</u>	<u>Results</u>	<u>Units</u>	<u>Detection Limit</u>
WML_09M *	Faecal coliforms A1	<2	MPN	2.00
WML_04M *	TSS	63	mg/L	1.00

Approved By: Scott Brown

Date: 12/14/2020

Date of Analysis available upon request.

Legend: MPN = Most Probable Number

cfu/100 mls = colony forming unit per 100 millilitres

* = method accredited by Standards Council of Canada;

mg/L = milligrams per litre

nd = not detected; na = not analysed

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City of Summerside: Wastewater Treatment Plant
275 Fitzroy St
Summerside, PE
Canada
C1N 1H9

Environment, Labour and Justice

Environment Division

PO Box 2000
Charlottetown
Prince Edward Island

WATER QUALITY ASSESSMENT

12/15/2020

Sample Number: W201214001

Client Name: City of Summerside: Wastewater Treatment Plant

Sample Point: Summerside Water Pollution Control Plant

Sample Location: After UV Outfall

Client Phone No.: 902-432-1274

Civic Address:

Community: PE

Sample Information:

Date Sampled: Monday, December 14, 2020

PP_NO: 68,726.00

Sampler:

Reference: Ben Lanigan

Watertype: WasteWater

Field Notes: * Grab Sample

Interpretation of Results:

Note: Please see reverse side for the results for specific parameters analysed.

The results and interpretation contained in this report relate only to those parameters tested.

For your information and interpretation. If you have any questions please contact the PEI
Drinking Water and Wastewater Management Section at 902-368-5043.

Approved by: Steven Nguyen



PEI Analytical Laboratories - Water Quality Test Report

23 Innovation Way, Charlottetown, PE

Page 1 of 1

Client Name: City of Summerside: Wastewater Treatment
Sample Point: Summerside Water Pollution Control Plant
Date Sampled: 12/14/2020
Date Received: 12/14/2020

Sample Number: W201214002
Sample Location: After UV Outfall
Sampler: Chad Fraser
Water Type: Wastewater - WWTP - Effluent

Water Microbiology Results

(analysed at 23 Innovation Way)

<u>Method ID</u>	<u>Parameter</u>	<u>Results</u>	<u>Units</u>	<u>Detection Limit</u>
WML_09M *	Faecal coliforms A1	4	MPN	2.00
WML_04M *	TSS	79	mg/L	1.00

Approved By: Scott Brown Date: 12/14/2020

Date of Analysis available upon request.

Legend: MPN = Most Probable Number
cfu/100 mls = colony forming unit per 100 millilitres
mg/L = milligrams per litre
* = method accredited by Standards Council of Canada; nd = not detected; na = not analysed

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City of Summerside: Wastewater Treatment Plant
275 Fitzroy St
Summerside, PE
Canada
C1N 1H9

Environment, Labour and Justice

Environment Division

PO Box 2000
Charlottetown
Prince Edward Island

WATER QUALITY ASSESSMENT

12/15/2020

Sample Number: W201214002

Client Name: City of Summerside: Wastewater Treatment Plant

Sample Point: Summerside Water Pollution Control Plant

Sample Location: After UV Outfall

Client Phone No.: 902-432-1274

Civic Address:

Community: PE

Sample Information:

Date Sampled: Monday, December 14, 2020

PP_NO: 68,726.00

Sampler:

Reference: Ben Lanigan

Watertype: WasteWater

Field Notes: * Grab Sample

Interpretation of Results:

Note: Please see reverse side for the results for specific parameters analysed.

The results and interpretation contained in this report relate only to those parameters tested.

For your information and interpretation. If you have any questions please contact the PEI
Drinking Water and Wastewater Management Section at 902-368-5043.

Approved by: Steven Nguyen



PEI Analytical Laboratories - Water Quality Test Report

23 Innovation Way, Charlottetown, PE

Page 1 of 1

Client Name: City of Summerside: Wastewater Treatment
Sample Point: Summerside Water Pollution Control Plant
Date Sampled: 12/14/2020
Date Received: 12/14/2020

Sample Number: W201214003
Sample Location: After UV Outfall
Sampler: Chad Fraser
Water Type: Wastewater - WWTP - Effluent

Water Microbiology Results

(analysed at 23 Innovation Way)

<u>Method ID</u>	<u>Parameter</u>	<u>Results</u>	<u>Units</u>	<u>Detection Limit</u>
WML_09M *	Faecal coliforms A1	2	MPN	2.00
WML_04M *	TSS	82	mg/L	1.00

Approved By: Scott Brown

Date: 12/14/2020

Date of Analysis available upon request.

Legend: MPN = Most Probable Number

cfu/100 mls = colony forming unit per 100 millilitres

* = method accredited by Standards Council of Canada;

mg/L = milligrams per litre

nd = not detected; na = not analysed

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City of Summerside: Wastewater Treatment Plant
275 Fitzroy St
Summerside, PE
Canada
C1N 1H9

Environment, Labour and Justice

Environment Division

PO Box 2000
Charlottetown
Prince Edward Island

WATER QUALITY ASSESSMENT

12/15/2020

Sample Number: W201214003

Client Name: City of Summerside: Wastewater Treatment Plant

Sample Point: Summerside Water Pollution Control Plant

Sample Location: After UV Outfall

Client Phone No.: 902-432-1274

Civic Address:

Community: PE

Sample Information:

Date Sampled: Monday, December 14, 2020

PP_NO: 68,726.00

Sampler:

Reference: Ben Lanigan

Watertype: WasteWater

Field Notes: * Grab Sample

Interpretation of Results:

Note: Please see reverse side for the results for specific parameters analysed.

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For your information and interpretation. If you have any questions please contact the PEI
Drinking Water and Wastewater Management Section at 902-368-5043.

Approved by: Steven Nguyen



PEI Analytical Laboratories
Water Quality Test Report
23 Innovation Way, Charlottetown, PE C1E 0B7



Client Name: City of Summerside: Wastewater Treatment Plant
Sampler: Winston Gallant
Sample Location: After UV outfall
Sample Point: Summerside Water Pollution Control Plant
Water Type: WasteWater
Wastewater - WWTP - Effluent

Sample Number: W201216003
Date Sampled: 16-Dec-2020
Received Date: 16-Dec-2020
Reported Date:

Water Microbiology Results

<u>Method ID</u>	<u>Parameter</u>	<u>Results</u>	<u>Units</u>	<u>Detection Limits</u>	<u>Date of Analysis</u>
WML_07M*	CBOD*	24	mg/L	10.00	22-Dec-2020
WML_09M*	Faecal coliforms A1*	<2	MPN	2	17-Dec-2020
WML_04M*	TSS*	80	mg/L	1	17-Dec-2020

Lab Results Approved By: Steven Nguyen - Laboratory Technician

Date: 22-Dec-2020

Legend: MPN = Most Probable Number
cfu/100 mls = colony forming units per 100 millilitres
* = method accredited by Standards Council of Canada;
Ammonia is equivalent to (Ammonia + Ammonium)-N

mg/L = milligrams per litre
nd = not detected; na = not analysed
< = less than

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Department of Environment, Water and Climate Change

PO Box 2000
Charlottetown
Prince Edward Island

WATER QUALITY ASSESSMENT

Sample Code: W201216003

City of Summerside: Wastewater Treatment Plant
Sam Arsenault
275 Fitzroy St
Summerside, PE
Canada
C1N 1H9

Client Name: City of Summerside: Wastewater Treatment Plant

Sample Point: Summerside Water Pollution Control Plant

Sample Location: After UV outfall

Client Phone No: 902-432-1274

Civic Address: 15 Seaweed Rd

Community: Summerside

Sample Information:

Date Sampled: Dec 16, 2020

PP_NO: 68726

Sampler: Winston Gallant

Reference: Ben Lanigan

Water Type: Wastewater - WWTP - Effluent

Interpretation of Results:

Note: Please see reverse side for the results for specific parameters analysed.

The results and interpretation contained in this report relate only to those parameters tested.

For your information and interpretation. If you have any questions please contact the PEI Drinking Water and Wastewater Management Section at 902-368-5043.

Approved By:

Steven Nguyen - Laboratory Technician

End of Report

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PEI Analytical Laboratories
Water Quality Test Report
23 Innovation Way, Charlottetown, PE C1E 0B7



Client Name: City of Summerside: Wastewater Treatment Plant
Sampler: Mike Harris
Sample Location: After UV Outfall
Sample Point: Summerside Water Pollution Control Plant
Water Type: WasteWater
Wastewater - WWTP - Effluent

Sample Number: W201223001
Date Sampled: 23-Dec-2020
Received Date: 23-Dec-2020
Reported Date:

Water Microbiology Results

<u>Method ID</u>	<u>Parameter</u>	<u>Results</u>	<u>Units</u>	<u>Detection Limits</u>	<u>Date of Analysis</u>
WML_09M*	Faecal coliforms A1*	<2	MPN	2	24-Dec-2020
WML_04M*	TSS*	54	mg/L	1	24-Dec-2020

Lab Results Approved By: Steven Nguyen - Laboratory Technician

Date: 24-Dec-2020

Legend: MPN = Most Probable Number
cfu/100 mls = colony forming units per 100 millilitres
* = method accredited by Standards Council of Canada;
Ammonia is equivalent to (Ammonia + Ammonium)-N

mg/L = milligrams per litre
nd = not detected; na = not analysed
< = less than

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Department of Environment, Water and Climate Change

PO Box 2000
Charlottetown
Prince Edward Island

WATER QUALITY ASSESSMENT

Sample Code: W201223001

City of Summerside: Wastewater Treatment Plant
Sam Arsenault
275 Fitzroy St
Summerside, PE
Canada
C1N 1H9

Client Name: City of Summerside: Wastewater Treatment Plant

Sample Point: Summerside Water Pollution Control Plant

Sample Location: After UV Outfall

Client Phone No: 902-432-1274

Civic Address: 15 Seaweed Rd

Community: Summerside

Sample Information:

Date Sampled: Dec 23, 2020

PP_NO: 68726

Sampler: Mike Harris

Reference: Ben Lanigan

Water Type: Wastewater - WWTP - Effluent

Interpretation of Results:

Note: Please see reverse side for the results for specific parameters analysed.

The results and interpretation contained in this report relate only to those parameters tested.

For your information and interpretation. If you have any questions please contact the PEI Drinking Water and Wastewater Management Section at 902-368-5043.

Approved By:

Steven Nguyen - Laboratory Technician

End of Report

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**PEI Analytical Laboratories
Water Quality Test Report**

23 Innovation Way, Charlottetown, PE C1E 0B7



Client Name: City of Summerside: Wastewater Treatment Plant

Sampler: Mike Harris

Sample Location: After UV Outfall

Sample Point: Summerside Water Pollution Control Plant

Water Type: WasteWater

Wastewater - WWTP - Effluent

Sample Number: W201230002

Date Sampled: 30-Dec-2020

Received Date: 30-Dec-2020

Reported Date:

Water Microbiology Results

<u>Method ID</u>	<u>Parameter</u>	<u>Results</u>	<u>Units</u>	<u>Detection Limits</u>	<u>Date of Analysis</u>
WML_07M*	CBOD*	14	mg/L	10.00	05-Jan-2021
WML_09M*	Faecal coliforms A1*	4	MPN	2	31-Dec-2020
WML_04M*	TSS*	35	mg/L	1	31-Dec-2020

Lab Results Approved By: Patti Larsen - Laboratory Technologist

Date: 05-Jan-2021

Legend: MPN = Most Probable Number
cfu/100 mls = colony forming units per 100 millilitres
* = method accredited by Standards Council of Canada;
Ammonia is equivalent to (Ammonia + Ammonium)-N

mg/L = milligrams per litre
nd = not detected; na = not analysed
< = less than

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Department of Environment, Water and Climate Change

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Prince Edward Island

WATER QUALITY ASSESSMENT

Sample Code: W201230002

City of Summerside: Wastewater Treatment Plant
Sam Arsenault
275 Fitzroy St
Summerside, PE
Canada
C1N 1H9

Client Name: City of Summerside: Wastewater Treatment Plant

Sample Point: Summerside Water Pollution Control Plant

Sample Location: After UV Outfall

Client Phone No: 902-432-1274

Civic Address: 15 Seaweed Rd

Community: Summerside

Sample Information:

Date Sampled: Dec 30, 2020

PP_NO: 68726

Sampler: Mike Harris

Reference: Ben Lanigan

Water Type: Wastewater - WWTP - Effluent

Interpretation of Results:

Note: Please see reverse side for the results for specific parameters analysed.

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For your information and interpretation. If you have any questions please contact the PEI Drinking Water and Wastewater Management Section at 902-368-5043.

Approved By:

Patti Larsen - Laboratory Technologist

End of Report

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