

# **PORT COLBORNE WATER TREATMENT PLANT**

## **ANNUAL SUMMARY REPORT**

(Prepared under Ontario Regulation 170/03)

**January 1 to December 31, 2018**

**Ministry of the Environment, Conservation and Parks**

**Drinking Water Works Permit # 007-201**  
**Municipal Drinking Water License # 007-101**

1. Failure to meet with the requirements of the Act, the regulation, the system's approval:

The Port Colborne Water Treatment Plant was operated in such a way that at no time did it fail to meet or exceed the requirements of the Act, the regulation, the system's approval or any order that may have been issued for this reporting period.

2. A summary of flows for the reporting period January 1, 2018 – December 31, 2018:

2018	TOTAL FLOW		AVERAGE DAY		MAX. DAY	MIN. DAY	MAX. FLOW RATE	MIN. FLOW RATE	WASTE SLUDGE
Date	Raw (ML)	Treated (ML)	Raw (ML)	Treated (ML)	Treated (ML)	Treated (ML)	Treated (ML/d)	Treated (ML/d)	(ML)
Jan	332.370	313.200	10.722	10.103	14.160	8.660	18.759	3.815	2.297
Feb	301.360	284.260	10.763	10.152	12.510	7.860	20.892	3.692	2.187
Mar	320.380	303.640	10.335	9.795	11.500	8.150	18.872	3.395	2.747
Apr	311.730	290.285	10.391	9.676	10.930	8.150	17.979	3.015	2.473
May	321.830	304.945	10.382	9.837	11.650	7.560	18.492	2.526	2.113
Jun	306.590	285.670	10.220	9.522	11.160	7.520	21.364	3.169	1.861
Jul	316.950	298.470	10.224	9.628	11.510	7.830	18.441	5.128	1.766
Aug	276.600	260.500	8.923	8.403	10.640	5.880	17.272	3.128	1.629
Sep	237.750	222.560	7.925	7.419	9.090	4.210	21.333	3.282	1.590
Oct	232.580	221.480	7.503	7.145	9.520	5.820	17.600	3.262	1.663
Nov	227.729	216.300	7.591	7.210	8.273	5.670	16.400	3.210	1.521
Dec	241.340	231.870	7.785	7.480	10.310	6.020	16.554	2.887	1.612
<b>TOTAL</b>	<b>3427.209</b>	<b>3233.180</b>							<b>23.459</b>
<b>MIN</b>						<b>4.210</b>		<b>2.526</b>	<b>1.521</b>
<b>MAX</b>					<b>14.160</b>		<b>21.364</b>		<b>23.459</b>
<b>AVG</b>			<b>9.397</b>	<b>8.864</b>					<b>1.955</b>

\*The flow rates are moments in time, and can be affected by various circumstances, such as pump changes or valve position and therefore not unusual to have higher or lower than normal flow.

3. A comparison of actual flows to that of the flow rates set out in the system's approval:

Flow rates as set in:

- Drinking Water Works Permit # 007-201
- Municipal Drinking Water License # 007-101

Maximum daily flow        36.000 ML  
Maximum flow rate        36.000 ML/day

<b>2018</b>	<b>AVERAGE DAY</b>	<b>% OF RATED CAPACITY</b>	<b>MAX. DAY</b>	<b>% OF RATED CAPACITY</b>	<b>MAX. FLOW RATE</b>	<b>% OF RATED CAPACITY</b>
<b>Date</b>	<b>Treated (ML)</b>		<b>Treated (ML)</b>		<b>Treated (ML/d)</b>	
<b>Jan</b>	10.103	<b>28.1%</b>	14.160	<b>39.3%</b>	18.759	<b>52.1%</b>
<b>Feb</b>	10.152	<b>28.2%</b>	12.510	<b>34.8%</b>	20.892	<b>58.0%</b>
<b>Mar</b>	9.795	<b>27.2%</b>	11.500	<b>31.9%</b>	18.872	<b>52.4%</b>
<b>Apr</b>	9.676	<b>26.9%</b>	10.930	<b>30.4%</b>	17.979	<b>49.9%</b>
<b>May</b>	9.837	<b>27.3%</b>	11.650	<b>32.4%</b>	18.492	<b>51.4%</b>
<b>Jun</b>	9.522	<b>26.5%</b>	11.160	<b>31.0%</b>	21.364	<b>59.3%</b>
<b>Jul</b>	9.628	<b>26.7%</b>	11.510	<b>32.0%</b>	18.441	<b>51.2%</b>
<b>Aug</b>	8.403	<b>23.3%</b>	10.640	<b>29.6%</b>	17.272	<b>48.0%</b>
<b>Sep</b>	7.419	<b>20.6%</b>	9.090	<b>25.3%</b>	21.333	<b>59.3%</b>
<b>Oct</b>	7.145	<b>19.8%</b>	9.520	<b>26.4%</b>	17.600	<b>48.9%</b>
<b>Nov</b>	7.210	<b>20.0%</b>	8.273	<b>23.0%</b>	16.400	<b>45.6%</b>
<b>Dec</b>	7.480	<b>20.8%</b>	10.310	<b>28.6%</b>	16.554	<b>46.0%</b>