



Port Colborne Water Treatment Plant

Regional Municipality of Niagara

2025 Summary Report

(Prepared under Ontario Regulation 170/03)

January 1 to December 31, 2025

Ministry of the Environment, Conservation and Parks

Municipal Drinking Water License # 007-101

Drinking Water Works Permit # 007-201

Port Colborne Water Treatment Plant - 2025 Summary Report

This report summarizes the water flows for the Port Colborne Water Treatment Plant, drinking water system number 220002075, from January 1 to December 31, 2025.

This report satisfies the requirements of Ontario Regulation 170/03 – Drinking Water Systems.

Inspection Rating

The Port Colborne Water Treatment Plant was granted a 100% inspection rating during the 2025-2026 Ministry of Environment, Conservation and Parks annual drinking water system inspection.

Summary of Non-Compliance

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 Safe Drinking Water Act, associated regulations, the system's approval or any order that may have been issued for this reporting period.

Summary of Water Treatment Plant Flows

The flow rates captured below are moments in time, and can be affected by various circumstances, such as pump changes or valve position. It is not unusual to have higher or lower than normal flows for this reason.

Month	Total Flow Raw (ML)	Total Flow Treated (ML)	Average Day Raw (ML)	Average Day Treated (ML)	Maximum Daily Treated (ML)	Minimum Day Treated (ML)	Maximum Flow Rate Treated (ML/d)	Minimum Flow Rate Treated (ML/d)	Total Waste Sludge (ML)
Jan	318.570	308.193	10.276	9.942	14.090	6.790	17.108	7.610	1.587
Feb	320.798	309.332	11.457	11.048	13.010	8.997	15.046	5.518	1.910
Mar	339.272	326.445	10.944	10.530	13.320	8.540	27.309	7.867	2.198
Apr	283.930	274.370	9.464	9.146	11.100	7.380	17.231	5.651	1.971
May	282.422	264.924	9.110	8.546	9.920	6.658	27.014	7.882	1.767
Jun	279.148	266.416	9.305	8.881	10.550	7.135	17.908	7.979	1.517
Jul	279.460	266.170	9.015	8.586	10.597	6.665	17.210	7.364	2.344
Aug	257.200	240.610	8.297	7.762	9.973	5.910	19.631	6.789	2.088
Sep	231.850	220.160	7.728	7.339	8.980	5.650	20.088	5.979	2.002
Oct	244.860	230.540	7.899	7.437	8.973	6.099	17.338	7.566	1.752
Nov	262.750	244.190	8.758	8.140	10.615	6.280	26.753	8.059	1.674
Dec	253.940	237.270	8.192	7.654	9.900	5.530	17.755	6.756	1.278

Month	Total Flow Raw (ML)	Total Flow Treated (ML)	Average Day Raw (ML)	Average Day Treated (ML)	Maximum Day Treated (ML)	Minimum Day Treated (ML)	Maximum Flow Rate Treated (ML/d)	Minimum Flow Rate Treated (ML/d)	Total Waste Sludge (ML)
Total	3354.200	3188.620							22.088
Min						5.530		5.518	1.278
Max					14.090		27.309		2.344
Avg			9.204	8.751					1.841

Comparison of Actual to System Approved Flow

Flow rates are required by Municipal Drinking Water Licence number 007-101.

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

Month	Average Day Treated (ML)	% of Rated Capacity	Maximum Day Treated (ML)	% of Rated Capacity	Maximum Flow Rate Treated (ML/d)	% of Rated Capacity
Jan	9.942	28%	14.090	39%	17.108	48%
Feb	11.048	31%	13.010	36%	15.046	42%
Mar	10.530	29%	13.320	37%	27.309	76%
Apr	9.146	25%	11.100	31%	17.231	48%
May	8.546	24%	9.920	28%	27.014	75%
Jun	8.881	25%	10.550	29%	17.908	50%
Jul	8.586	24%	10.597	29%	17.210	48%
Aug	7.762	22%	9.973	28%	19.631	55%
Sep	7.339	20%	8.980	25%	20.088	56%
Oct	7.437	21%	8.973	25%	17.338	48%
Nov	8.140	23%	10.615	29%	26.753	74%
Dec	7.654	21%	9.900	28%	17.755	49%