



Welland 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 # 007-104

Drinking Water Works Permit # 007-204

Welland Water Treatment Plant - 2025 Summary Report

This report summarizes the water flows for the Welland Water Treatment Plant, drinking water system number 220002048, from January 1 to December 31, 2025.

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

Inspection Rating

The Welland 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 Welland 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 Day Treated (ML)	Minimum Day Treated (ML)	Maximum Flow Rate Treated (ML/d)	Minimum Flow Rate Treated (ML/d)	Total Waste Sludge (ML)
Jan	806.670	787.068	26.022	25.389	29.868	22.288	43.475	24.845	28.304
Feb	767.390	745.012	27.407	26.608	38.060	20.812	46.094	24.769	33.091
Mar	810.270	785.448	26.138	25.337	27.920	22.868	43.625	24.665	36.429
Apr	784.360	743.652	26.145	24.788	27.464	21.877	42.963	24.114	52.881
May	827.110	795.460	26.681	25.660	30.964	22.054	43.338	19.275	40.096
Jun	932.660	904.640	31.089	30.155	37.502	24.804	46.835	23.837	44.828
Jul	1000.570	968.188	32.276	31.232	38.676	26.336	45.612	20.636	49.329
Aug	970.800	938.020	31.316	30.259	37.480	22.882	43.213	12.837	49.928
Sep	864.020	835.108	28.801	27.837	31.440	24.728	43.244	19.969	42.606
Oct	806.700	787.182	26.023	25.393	29.286	23.252	42.894	17.869	25.675
Nov	752.830	726.570	25.094	24.219	27.988	18.660	42.538	23.955	31.880
Dec	829.040	799.772	26.743	25.799	27.710	20.920	42.006	26.194	39.153

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	10152.420	9816.120							474.200
Min						18.660		18.856	25.675
Max					38.676		46.835		49.928
Avg.			27.811	26.890					39.517

Comparison of Actual to System Approved Flow

Flow rates are required by Municipal Drinking Water Licence number 007-104.

- Maximum daily flow: 65.000 ML
- Maximum flow rate: 65.000 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	25.389	39%	29.868	46%	43.475	67%
Feb	26.608	41%	38.060	59%	46.094	71%
Mar	25.337	39%	27.920	43%	43.625	67%
Apr	24.788	38%	27.464	42%	42.963	66%
May	25.660	39%	30.964	48%	43.338	67%
Jun	30.155	46%	37.502	58%	46.835	72%
Jul	31.232	48%	38.676	60%	45.612	70%
Aug	30.259	47%	37.480	58%	43.213	66%
Sep	27.837	43%	31.440	48%	43.244	67%
Oct	25.393	39%	29.286	45%	42.894	66%
Nov	24.219	37%	27.988	43%	42.538	65%
Dec	25.799	40%	27.710	43%	42.006	65%