



Grimsby Water Treatment Plant

Regional Municipality of Niagara

2024 Summary Report

(Prepared under Ontario Regulation 170/03)

January 1 to December 31, 2024

Ministry of the Environment, Conservation and Parks

Municipal Drinking Water License # 007-102

Drinking Water Works Permit # 007-202

Grimsby Water Treatment Plant - 2024 Summary Report

This report summarizes the water flows for Grimsby Water Treatment Plant, drinking water system number 220007150, from January 1 to December 31, 2024. This report satisfies the requirements of Ontario Regulation 170/03 – Drinking Water Systems.

Inspection Rating

During the preparation of this report, the Grimsby Water Treatment Plant is presently undergoing its Ministry of Environment, Conservation and Parks (MECP) annual drinking water system inspection. Upon completion of the MECP inspection, the findings of Inspection Ratings Report (IRR) report will be prepared, distributed and made available as public record in accordance with O. Reg. 170/03, s. 11 (1); O. Reg. 247/06, s. 10 (1).

Summary of Non-Compliance

Upon completion of the Grimsby Water Treatment Plant MECP inspection, the findings of the Inspection Ratings Report (IRR) will be prepared, distributed, and made available for public record in accordance with O. Reg. 170/03, s. 11 (1); O. Reg. 247/06, s. 10 (1).

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)	Max Day Treated (ML)	Min Day Treated (ML)	Max Flow Rate Treated (ML/d)	Min Flow Rate Treated (ML/d)	Total Waste Sludge (ML)
Jan	427.645	403.175	13.795	13.053	13.833	12.039	19.325	0.000	0.780
Feb	408.250	386.497	14.078	13.373	14.704	11.329	18.655	4.464	0.824
Mar	432.203	405.866	13.942	13.142	14.321	11.849	17.836	7.762	2.992
Apr	432.712	410.969	14.424	13.750	15.004	12.349	17.878	6.884	0.780
May	527.007	501.832	17.000	16.252	19.948	13.886	24.809	0.000	1.821
Jun	544.137	520.404	18.138	17.418	21.082	14.930	25.426	0.000	1.518
Jul	552.252	531.045	17.815	17.195	20.543	13.759	24.334	0.000	0.780
Aug	535.186	515.459	17.264	16.670	19.557	13.517	24.328	0.000	0.780
Sep	487.988	467.879	16.266	15.637	17.130	14.361	20.525	11.411	0.780
Oct	466.924	441.750	15.062	14.292	16.705	11.450	25.850	8.272	2.341
Nov	420.695	400.755	14.023	13.399	15.375	11.580	17.904	0.000	0.564
Dec	444.143	421.602	14.327	13.639	15.241	12.440	21.788	6.917	0.737

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Total	5,679.142	5,407.233							
Min						11.329		0.000	
Max					21.082		25.850		
Avg			15.511	14.818					131.814

Comparison of Actual to System Approved Flow

Flow rates are required by Municipal Drinking Water Licence number 007-105.

- Maximum daily flow: 44.000 ML
- Maximum flow rate: 44.000 ML/day

Month	Average Day Treated (ML)	% of Rated Capacity	Max Day Treated (ML)	% of Rated Capacity	Max Flow Rate Treated (ML/d)	% of Rated Capacity
Jan	13.053	29.65%	13.833	31.36%	19.325	43.86%
Feb	13.373	30.38%	14.704	33.40%	18.655	42.27%
Mar	13.142	36.50%	14.321	32.54%	17.836	40.45%
Apr	13.750	31.13%	15.004	34.09%	17.878	40.45%
May	16.252	36.93%	19.948	45.22%	24.809	56.36%
Jun	17.418	39.56%	21.082	27.90%	25.426	57.72%
Jul	17.195	39.06%	20.543	46.59%	24.334	55.29%
Aug	16.670	37.88%	19.557	44.43%	24.328	55.22%
Sep	15.637	35.61%	17.130	38.93%	20.525	46.59%
Oct	14.292	32.48%	16.705	37.95%	25.850	58.75%
Nov	13.399	31.79%	15.375	34.77%	17.904	40.68%
Dec	13.639	30.97%	15.241	34.54%	21.788	49.31%