



Rosehill 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 # 007-103

Drinking Water Works Permit # 007-203

Rosehill Water Treatment Plant - 2024 Summary Report

This report summarizes the water flows for the Rosehill Water Treatment Plant, drinking water system number 220002020, 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 Rosehill Water Treatment Plant has not completed its 2024 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). This facility inspection has been scheduled between February 1st-15th of 2025.

Summary of Non-Compliance

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 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)	Minimum Day Treated (ML)	Maximum Day Treated (ML)	Minimum Flow Rate Treated (ML/d)	Maximum Flow Rate Treated (ML/d)	Total Waste Sludge (ML)
Jan	358.406	344.961	11.561	11.128	10.105	13.474	3.172	22.653	21.944
Feb	336.626	321.756	11.608	11.095	10.211	12.202	3.878	24.917	19.184
Mar	347.745	336.150	11.218	10.844	10.199	11.471	4.936	22.977	17.301
Apr	353.775	342.459	11.792	11.415	10.631	13.398	5.454	22.828	22.222
May	422.514	412.373	13.629	13.302	11.905	15.487	5.842	30.849	23.678
Jun	463.632	447.765	15.454	14.926	12.587	20.188	6.512	28.394	22.670
Jul	487.683	464.467	15.732	14.983	12.426	17.950	5.672	27.429	20.307
Aug	467.017	436.739	15.065	14.088	12.418	15.817	5.413	28.852	19.908
Sep	435.901	416.927	14.530	13.898	11.793	16.268	5.310	25.842	13.547
Oct	392.886	368.599	12.674	11.890	10.838	15.014	4.544	26.644	13.887
Nov	359.393	334.517	11.980	11.151	10.503	12.094	4.346	22.645	16.985
Dec	370.769	350.211	11.960	11.297	10.375	11.887	4.540	24.899	20.307

Month	Total Flow Raw (ML)	Total Flow Treated (ML)	Average Day Raw (ML)	Average Day Treated (ML)	Minimum Day Treated (ML)	Maximum Day Treated (ML)	Minimum Flow Rate Treated (ML/d)	Maximum Flow Rate Treated (ML/d)	Total Waste Sludge (ML)
Total	4,796.347	4,576.924							231.940
Min						10.105		3.172	13.547
Max					20.188		30.849		23.678
Avg			13.100	12.501					19.328

Comparison of Actual to System Approved Flow

Flow rates are required by Municipal Drinking Water Licence number 007-103.

- Maximum daily flow: 50.000 ML
- Maximum flow rate: 50.000 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	11.128	22.24%	13.474	26.94%	22.653	45.30%
Feb	11.095	22.18%	12.202	24.04%	24.917	49.72%
Mar	10.844	21.68%	11.471	22.94%	22.977	45.94%
Apr	11.415	22.90%	13.398	26.78%	22.828	45.54%
May	13.302	26.06%	15.487	30.96%	30.849	61.68%
Jun	14.926	29.84%	20.188	40.36%	28.394	56.78%
Jul	14.983	29.96%	17.950	35.82%	27.429	54.84%
Aug	14.088	28.16%	15.817	31.62%	28.852	57.70%
Sep	13.898	27.78%	16.268	32.52%	25.842	51.68%
Oct	11.890	23.78%	15.014	30.02%	26.644	53.28%
Nov	11.151	22.30%	12.094	24.18%	22.645	45.28%
Dec	11.297	22.58%	11.887	23.76%	24.899	49.78%