



Rosehill Water Treatment Plant

Regional Municipality of Niagara

2022 Summary Report

(Prepared under Ontario Regulation 170/03)

January 1 to December 31, 2022

Ministry of the Environment, Conservation and Parks

Municipal Drinking Water License # 007-103

Drinking Water Works Permit # 007-203

Rosehill Water Treatment Plant - 2022 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, 2022.

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

Inspection Rating

The Rosehill Water Treatment Plant was granted a 100% inspection rating during the 2022 Ministry of Environment, Conservation and Parks annual drinking water system inspection.

Summary of Non-Compliance

The Rosehill 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)	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	384.788	354.042	12.413	11.421	10.169	13.296	7.74	21.96	18.233
Feb	351.384	323.296	12.549	11.546	10.653	12.39	9.591	23.28	13.735
Mar	362.813	338.308	11.704	10.913	10.107	12.114	6.764	22.433	13.718
Apr	351.415	342.685	11.714	11.423	10.338	12.293	9.503	22.457	16.758
May	415.31	409.935	13.397	13.224	10.759	15.816	6.348	23.946	13.809
Jun	455.069	458.351	15.169	15.278	12.61	17.379	3.293	33.678	19.320
Jul	513.361	517.772	16.560	16.702	13.096	19.509	8.165	25.941	12.448
Aug	494.273	492.608	15.944	15.891	13.79	18.202	0.354	24.79	19.320
Sep	419.034	412.525	13.968	13.751	12.244	16.181	7.144	24.412	16.766
Oct	394.383	380.966	12.722	12.289	11.34	13.372	6.055	23.985	16.840
Nov	356.614	339.866	11.89	11.329	10.519	12.465	0.094	24.547	16.668
Dec	412.463	383.906	13.305	12.384	10.264	19.542	7.715	24.177	15.345

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	4910.907	4754.26							192.960
Min					10.107		0.094		12.448
Max						19.509		33.678	19.320

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)
Avg		396.18	13.44	13.012					16.080

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	24.049	48%	10.169	20%	21.96	44%
Feb	24.233	48%	10.653	21%	23.28	47%
Mar	22.676	45%	10.107	20%	22.433	45%
Apr	22.672	45%	10.338	21%	22.457	45%
May	25.957	52%	10.759	22%	23.946	48%
Jun	29.359	59%	12.61	25%	33.678	67%
Jul	32.085	64%	13.096	26%	25.941	52%
Aug	30.892	62%	13.79	28%	24.79	50%
Sep	27.034	54%	12.244	24%	24.412	49%
Oct	24.649	49%	11.34	23%	23.985	48%
Nov	23.007	46%	10.264	21%	24.547	49%
Dec	25.779	52%	10.264	21%	24.177	48%