



REGIONAL MUNICIPALITY OF NIAGARA
Public Works Department
Water & Wastewater Services Division

ROSEHILL WATER TREATMENT PLANT

ANNUAL SUMMARY REPORT

(prepared under Ontario Regulation 170/03)

January 1 to December 31, 2020

Ministry of the Environment, Conservation and Parks

Drinking Water Works Permit # 007-203
Municipal Drinking Water License # 007-103

1. Failure to meet with the requirements of the Act, the regulation, the system's approval:

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.

2. A summary of flows for the reporting period January 1, 2020 – December 31, 2020:

2020	TOTAL FLOW		AVERAGE DAY		MAX. DAY	MIN. DAY	MAX. FLOW RATE	MIN. FLOW RATE	WASTE SLUDGE
Date	Raw (ML)	Treated (ML)	Raw (ML)	Treated (ML)	Treated (ML)	Treated (ML)	Treated (ML/d)	Treated (ML/d)	(ML)
Jan	339.055	275.839	10.937	8.898	9.686	8.256	22.170	1.435	34.755
Feb	296.089	261.299	10.210	9.010	9.923	8.120	20.652	2.717	14.030
Mar	323.797	280.169	10.445	9.038	9.586	8.648	17.288	1.392	19.000
Apr	327.233	280.169	10.908	9.434	10.478	8.948	17.056	1.294	17.595
May	377.629	324.015	12.182	10.452	13.559	8.777	22.344	1.424	8.045
Jun	450.367	404.627	15.012	13.488	16.845	10.771	26.728	2.515	12.689
Jul	493.977	463.690	15.935	14.958	19.034	12.106	30.280	1.674	9.999
Aug	456.198	423.322	14.716	13.656	17.242	11.107	26.685	5.048	14.456
Sep	398.632	370.516	13.288	12.351	13.894	10.481	24.604	1.583	22.469
Oct	371.413	342.143	11.981	11.037	13.383	9.828	22.818	2.245	21.401
Nov	332.073	300.525	11.069	10.018	11.134	8.793	20.146	1.984	20.113
Dec	354.110	305.561	11.423	9.857	10.832	8.727	22.332	5.005	38.941
TOTAL	4,520.573	4,031.875							233.493
MIN						8.120		1.294	8.045
MAX					19.034		30.280		38.941
AVG			12.342	11.016					19.458

*The flow rates are moments in time, and can be affected by various circumstances, such as pump changes or valve position and therefore not unusual to have higher or lower than normal flows.

3. A comparison of actual flows to that of the flow rates set out in the system's approval:

Flow rates as set in:

- Drinking Water Works Permit # 007-203
- Municipal Drinking Water License # 007-103

Maximum daily flow: 50.000 ML

Maximum flow rate: 50.000 ML/day

2020	AVERAGE DAY	% OF RATED CAPACITY	MAX. DAY	% OF RATED CAPACITY	MAX. FLOW RATE	% OF RATED CAPACITY
Date	Treated (ML)		Treated (ML)		Treated (ML/d)	
Jan	8.898	17.8%	9.686	19.4%	22.170	44.3%
Feb	9.010	18.0%	9.923	19.8%	20.652	41.3%
Mar	9.038	18.1%	9.586	19.2%	17.288	34.6%
Apr	9.434	18.9%	10.478	21.0%	17.056	34.1%
May	10.452	20.9%	13.559	27.1%	22.344	44.7%
Jun	13.488	27.0%	16.845	33.7%	26.728	53.5%
Jul	14.958	29.9%	19.034	38.1%	30.280	60.6%
Aug	13.656	27.3%	17.242	34.5%	26.685	53.4%
Sep	12.351	24.7%	13.894	27.8%	24.604	49.2%
Oct	11.037	22.1%	13.383	26.8%	22.818	45.6%
Nov	10.018	20.0%	11.134	22.3%	20.146	40.3%
Dec	9.857	19.7%	10.832	21.7%	22.332	44.7%