

ROSEHILL WATER TREATMENT PLANT

ANNUAL SUMMARY REPORT

(prepared under Ontario Regulation 170/03)

January 1 to December 31, 2018

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 Act, the regulation, 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, 2018 – December 31, 2018:

2018	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	395.899	368.676	12.771	11.893	13.479	10.874	19.932	4.100	10.098
Feb	345.991	322.718	12.357	11.526	12.058	10.416	20.359	4.250	8.060
Mar	378.718	353.500	12.217	11.403	11.887	10.817	15.812	3.830	9.676
Apr	374.992	349.987	12.500	11.666	12.529	10.803	18.701	4.080	6.263
May	436.606	408.701	14.084	13.184	16.190	11.413	26.171	4.140	6.751
Jun	476.494	447.357	15.883	14.912	18.756	12.890	26.667	4.250	13.131
Jul	551.854	519.173	17.802	16.748	19.878	13.137	29.521	4.640	10.021
Aug	477.970	443.090	15.418	14.293	17.699	12.547	25.214	5.810	6.936
Sep	423.099	390.400	14.103	13.013	15.016	11.671	22.855	4.830	9.892
Oct	405.164	376.458	13.070	12.144	16.511	11.186	25.692	5.600	11.773
Nov	381.242	358.273	12.702	11.942	13.440	11.167	28.051	5.420	9.527
Dec	392.357	360.077	15.213	11.615	12.556	10.790	19.658	3.740	15.213
TOTAL	5,040.386	4,698.410							117.341
MIN						10.416		3.740	6.263
MAX					19.878		29.521		15.213
AVG			14.010	12.862					9.778

*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

2018	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	11.893	24%	13.479	27%	19.932	40%
Feb	11.526	23%	12.058	24%	20.359	41%
Mar	11.403	23%	11.887	24%	15.812	32%
Apr	11.666	23%	12.529	25%	18.701	37%
May	13.184	26%	16.190	32%	26.171	52%
Jun	14.912	30%	18.756	38%	26.667	53%
Jul	16.748	33%	19.878	40%	29.521	59%
Aug	14.293	29%	17.699	35%	25.214	50%
Sep	13.013	26%	15.016	30%	22.855	46%
Oct	12.144	24%	16.511	33%	25.692	51%
Nov	11.942	24%	13.440	27%	28.051	56%
Dec	11.615	23%	12.556	25%	19.658	39%