

DECEW FALLS 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

**Municipal Drinking Water License # 007-102
Drinking Water Works Permit # 007-202**

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

The Decew Falls 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 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, 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	1747.219	1554.102	56.362	50.132	52.878	47.948	79.436	23.199	0.780
Feb	1564.273	1374.048	55.867	49.073	52.782	46.148	102.588	17.566	0.824
Mar	1729.191	1529.487	55.780	49.338	51.362	47.224	74.101	22.622	0.824
Apr	1677.964	1489.972	55.932	49.666	53.904	47.001	72.347	20.722	0.824
May	1900.540	1728.820	61.308	55.924	78.354	28.757	94.029	10.472	9.062
Jun	2190.617	2039.161	73.021	67.972	94.908	54.981	101.540	23.311	6.417
Jul	2383.023	2314.860	76.872	74.673	93.786	63.726	112.529	35.124	0.727
Aug	2210.630	2055.174	71.311	66.296	74.668	57.917	130.316	36.187	0.564
Sep	1971.414	1814.582	65.714	60.486	68.567	55.336	90.257	34.811	0.520
Oct	1752.368	1616.921	56.528	52.159	54.237	49.514	77.662	25.595	9.279
Nov	1613.699	1478.511	53.790	49.284	51.976	47.055	78.401	22.996	3.165
Dec	1630.932	1490.453	52.611	48.079	50.940	42.939	101.623	16.124	1.084
TOTAL	22371.870	20486.091							34.071
MIN						28.757		10.472	0.520
MAX					94.908		130.316		9.279
AVG			61.258	56.090					2.839

* 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:

- Municipal Drinking Water License # 007-102
- Drinking Water Works Permit # 007-202

Maximum daily flow: 227.300 ML

Maximum flow rate: 227.300 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	50.132	22.1%	52.878	23.3%	79.436	34.9%
Feb	49.073	21.6%	52.782	23.2%	102.588	45.1%
Mar	49.338	21.7%	51.362	22.6%	74.101	32.6%
Apr	49.666	21.9%	53.904	23.7%	72.347	31.8%
May	55.924	24.6%	78.354	34.5%	94.029	41.4%
Jun	67.972	29.9%	94.908	41.8%	101.540	44.7%
Jul	74.673	32.9%	93.786	41.3%	112.529	49.5%
Aug	66.296	29.2%	74.668	32.8%	130.316	57.3%
Sep	60.486	26.6%	68.567	30.2%	90.257	39.7%
Oct	52.159	22.9%	54.237	23.9%	77.662	34.2%
Nov	49.284	21.7%	51.976	22.9%	78.401	34.5%
Dec	48.079	21.2%	50.940	22.4%	101.623	44.7%