



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

DECEW FALLS 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

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
2. 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 Safe Drinking Water Act, associated regulations, the system's approval or any order that may have been issued for this reporting period.
3. A summary of flows for the reporting period January 1, 2020 – December 31, 2020

2020	TOTAL FLOW Raw (ML)	TOTAL FLOW Treated (ML)	AVERAGE DAY Raw (ML)	AVERAGE DAY Treated (ML)	MAX. DAY Treated (ML)	MIN. DAY Treated (ML)	MAX. FLOW RATE Treated (ML/d)	MIN. FLOW RATE Treated (ML/d)	WASTE SLUDGE Treated (ML)
Jan	1653.744	1463.184	53.347	47.199	58.952	48.232	70.797	19.404	0.607
Feb	1535.691	1362.808	52.955	46.993	59.038	45.649	85.214	24.411	3.772
Mar	1700.193	1450.207	54.845	46.781	59.645	52.007	91.181	18.465	3.209
Apr	1583.666	1360.697	52.789	45.357	56.979	48.343	74.223	17.228	3.252
May	1759.617	1541.978	56.762	49.741	71.748	46.067	91.741	12.735	1.561
Jun	2072.657	1883.427	69.089	62.781	82.544	56.849	106.460	28.356	4.900
Jul	2548.323	2291.738	82.204	73.927	99.240	66.344	140.656	37.164	1.734
Aug	2352.984	2135.813	75.903	68.897	92.054	61.948	103.081	37.616	2.688
Sep	2015.590	1817.720	67.186	60.591	78.071	56.100	176.072	27.349	2.211
Oct	1707.174	1535.289	55.070	49.525	61.086	50.900	90.646	20.936	1.171
Nov	1554.888	1380.278	51.830	46.009	55.824	48.936	88.154	20.673	4.640
Dec	1542.423	1317.753	49.756	42.508	56.189	45.957	73.868	12.366	0.520
TOTAL	22026.950	19540.892							30.265
MIN						45.649		12.366	0.520
MAX					99.240		176.072		4.900
AVG			60.144	53.359					2.522

* 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

2020	AVERAGE DAY Treated (ML)	% OF RATED CAPACITY	MAX. DAY Treated (ML)	% OF RATED CAPACITY	MAX. FLOW RATE Treated (ML/d)	% OF RATED CAPACITY
Jan	47.199	20.8%	58.952	26.0%	70.797	31.2%
Feb	46.993	20.7%	59.038	26.0%	85.214	37.5%
Mar	46.781	20.6%	59.645	26.3%	91.181	40.2%
Apr	45.357	20.0%	56.979	25.1%	74.223	32.7%
May	49.741	21.9%	71.748	31.6%	91.741	40.4%
Jun	62.781	27.7%	82.544	36.4%	106.460	46.9%
Jul	73.927	32.6%	99.240	43.7%	140.656	62.0%
Aug	68.897	30.4%	92.054	40.6%	103.081	45.4%
Sep	60.591	26.7%	78.071	34.4%	176.072	77.6%
Oct	49.525	21.8%	61.086	26.9%	90.646	39.9%
Nov	46.009	20.3%	55.824	24.6%	88.154	38.8%
Dec	42.508	18.7%	56.189	24.8%	73.868	32.5%