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, 2019

Ministry of the Environment, Conservation and Parks

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

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

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.

2. <u>A summary of flows for the reporting period January 1, 2019 – December 31, 2019:</u>

2019	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 (ML)
Jan	1735.021	1531.421	55.968	49.401	55.623	44.721	76.092	20.658	5.160
Feb	1595.115	1412.763	56.968	50.456	59.060	47.780	103.349	24.362	3.252
Mar	1665.812	1538.403	53.736	49.626	73.436	47.283	73.436	21.968	0.737
Apr	1685.577	1476.536	56.186	49.218	51.210	47.820	72.277	23.349	3.035
May	1744.874	1589.728	56.286	51.386	56.474	47.943	75.842	26.873	6.027
Jun	1936.416	1700.061	64.547	56.669	64.650	51.059	86.721	28.907	2.211
Jul	2344.420	2069.512	75.626	66.758	75.011	58.736	101.124	37.797	0.954
Aug	2175.377	1940.639	70.173	62.601	73.656	55.667	115.876	33.229	3.599
Sep	1909.547	1715.474	63.652	57.182	60.769	52.774	86.699	28.537	5.160
Oct	1741.500	1554.755	56.177	50.153	54.750	45.524	85.326	17.336	3.122
Nov	1607.327	1454.225	53.578	48.474	51.846	44.309	108.257	16.393	0.737
Dec	1609.801	1472.137	51.929	47.488	50.095	40.484	73.370	17.031	0.520
TOTAL	21750.787	19455.654							34.515
MIN						40.484		16.393	0.520
MAX					75.011		115.876		6.027
AVG			59.569	53.284					2.876

* 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

2019	AVERAGE DAY Treated (ML)	% OF RATED CAPACITY	MAX. DAY Treated (ML)	% OF RATED CAPACITY	MAX. FLOW RATE Treated (ML/d)	% OF RATED CAPACITY
Jan	49.401	21.7%	55.623	24.5%	76.092	33.5%
Feb	50.456	22.2%	59.06	26.0%	103.349	45.5%
Mar	49.626	21.8%	73.436	32.3%	73.436	32.3%
Apr	49.218	21.7%	51.21	22.5%	72.277	31.8%
May	51.386	22.6%	56.474	24.8%	75.842	33.4%
Jun	56.669	24.9%	64.65	28.4%	86.721	38.2%
Jul	66.758	29.4%	75.011	33.0%	101.124	44.5%
Aug	62.601	27.5%	73.656	32.4%	115.876	51.0%
Sep	57.182	25.2%	60.769	26.7%	86.699	38.1%
Oct	50.153	22.1%	54.75	24.1%	85.326	37.5%
Nov	48.474	21.3%	51.846	22.8%	108.257	47.6%
Dec	47.488	20.9%	50.095	22.0%	73.37	32.3%