

Effluent Criteria Comparison of Wastewater Treatment Plants Discharging to Lake Ontario

Description	Plant Name and Location							
	Duffin Creek WPCP Pickering	Duffin Creek WPCP Pickering	Mid-Halton WWTP Halton Region	Ravensview WPCP County of Frontenac	Ashbridges Bay TP City of Toronto	Humber WPCP City of Toronto	Lakeview WPCP Peel	Highland Creek TP
Plant Flow								
Average Day Flow (m ³ /day)	420000	630000	50000	95000	818000	473000	448000	219000
Criteria								
CBOD ₅ Objective	15	15	15	15	15	15	15	8
CBOD ₅ Limit	25	25	25	25	25	25	25	10
Suspended Solids Objective	15	15	15	15	15	15	15	5
Suspended Solids Limit	25	25	25	25	25	25	25	10
Total Phosphorous Objective	1	0.6	1	0.8	1	1	0.8	0.3
Total Phosphorous Limit	1	0.8	1	1	1	1	1	0.5
Total Ammonia as N Objective	16	5/5 ¹	18/10 ¹	12/7/5 ²	No Limit	No Limit	17/8 ¹	4.5/2.3 ¹
Total Ammonia as N Limit	No Limit	10/6 ¹	21/13 ¹	No Limit	No Limit	No Limit	34/16 ¹	5.6/2.8 ¹

Notes

All plants listed in the table discharge to Lake Ontario

Skyway WWTP is the only plant listed that discharges to a designated RAP area Hamilton Harbour Remedial Action Plan (RAP)

Total Ammonia¹
Winter/Summer

Total Ammonia²

Oct 1 - May 31/June + September/July 1 - August 31