

Flow and Operating Data

Flow Data MAY	Units	2017		2018		2019		2020	
Total Raw Water	m ³		196210		191512		162710		162350
Raw Maximum Day	m ³		7080		6780		6180		5410
Raw Minimum Day	m ³		5830		4970		4760		4910
Raw Average Daily Consumption	m ³		6330		5310		5250		5240
Total Treated Water	m ³		116990		112970		105850		111690
Treated Water Maximim Day Consumption	m ³		5040		4130		4180		4960
Treated Water Minimim Day Consumption	m ³		2820		3060		2760		2840
Treated Water Average Day Consumption	m ³		3770		3640		3410		3600
Daily Average Per Household Consumption Rate	m ³		1.00		0.96		0.90		
* Daily Average Per Person Consumption Rate	m ³		0.47		0.46		0.43		0.45
Monthly Averages - Operating Parameters WTP:									
FAC Residual - Treated Water	mg/L		2.23		2.07		2.15		1.94
Total Chlorine Residual - Treated Water	mg/L		2.45		2.30		2.38		2.22
Aluminum Sulphate - Raw Water	mg/L		35.00		35.00		35.00		34.13
Aluminum Sulphate - Treated Water Residual	mg/L		0.03		0.03		0.03		0.04
Fluoride - Treated Water	mg/L		0.59		0.71		0.73		0.72
Soda Ash - Raw Water	mg/L		35.00		35.00		35.00		36.74
pH - Adjusted			7.19		7.11		7.03		6.71
Temperature	°C		9.90		9.50		8.84		10.77
Quantity of Chemical Used:									
Aluminum Sulphate	kg		6867.35		7416.50		5694.90		5964.61
Polyelectrolyte	kg		87.5		112.5		87.5		62.5
Chlorine Gas	kg		811		671		676		666
Soda Ash - Used for pH Adjustment	kg		6867.35		7416.50		5694.90		5541.07
Fluoride	kg		547		583		478		734

* The Canadian Average is 450 Litres (0.45 m³) per day.

* Population is 7986

* Number of Households is 3783