

Flow and Operating Data

Flow Data APRIL	Units	2018		2019		2020	
Total Raw Water	m ³	153240	146840	149220			
Raw Maximum Day	m ³	7070	6220	5770			
Raw Minimum Day	m ³	4940	4060	3820			
Raw Average Daily Consumption	m ³	5280	5060	5150			
Total Treated Water	m ³	117850	106270	96350			
Treated Water Maximim Day Consumption	m ³	6460	4330	3640			
Treated Water Minimim Day Consumption	m ³	3230	2910	2730			
Treated Water Average Day Consumption	m ³	3930	3540	3210			
Daily Average Per Household Consumption Rate	m ³	1.04	0.94	0.85			
* Daily Average Per Person Consumption Rate	m ³	0.49	0.44	0.40			
Monthly Averages - Operating Parameters WTP:							
FAC Residual - Treated Water	mg/L	2.14	2.13	2.20			
Total Chlorine Residual - Treated Water	mg/L	2.37	2.36	2.28			
Aluminum Sulphate - Raw Water	mg/L	35.00	35.00	35.00			
Aluminum Sulphate - Treated Water Residual	mg/L	0.03	0.03				
Fluoride - Treated Water	mg/L	0.66	0.63	0.72			
Soda Ash - Raw Water	mg/L	35.00	35.00	35.00			
pH - Adjusted		7.08	6.99	6.94			
Temperature	°C	3.20	4.10	5.40			
Quantity of Chemical Used:	kg						
Aluminum Sulphate	kg	5544.7	5312.3	53988.8			
Polyelectrolyte	kg	87.5	75.0	62.5			
Chlorine Gas	kg	609	579	605			
Soda Ash - Used for pH Adjustment	kg	5544.7	5312.3	53988.8			
Fluoride	kg	645	442	736			

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

* Population is 7986

* Number of Households is 3783