

Flow and Operating Data

Flow Data MARCH	Units	2018	2019	2020
Total Raw Water	m ³	160430	158980	155940
Raw Maximum Day	m ³	5470	5380	6000
Raw Minimum Day	m ³	4800	4680	4690
Raw Average Daily Consumption	m ³	5180	5130	5030
Total Treated Water	m ³	124800	121380	105300
Treated Water Maximim Day Consumption	m ³	4640	4880	4490
Treated Water Minimim Day Consumption	m ³	3170	3440	2790
Treated Water Average Day Consumption	m ³	4030	3920	3400
Daily Average Per Household Consumption Rate	m ³	1.07	1.04	0.90
* Daily Average Per Person Consumption Rate	m ³	0.50	0.49	0.43
Monthly Averages - Operating Parameters WTP:				
FAC Residual - Treated Water	mg/L	2.15	2.14	2.08
Total Chlorine Residual - Treated Water	mg/L	2.38	2.33	2.31
Aluminum Sulphate - Raw Water	mg/L	35.0	35.0	35.0
Aluminum Sulphate - Treated Water Residual	mg/L	0.03	0.03	0.06
Fluoride - Treated Water	mg/L	0.60	0.6	0.75
Soda Ash - Raw Water	mg/L	35.0	35.0	35.0
pH - Adjusted		7.16	6.83	6.93
Temperature	°C	2.0	2.1	2.2
Quantity of Chemical Used:				
Aluminum Sulphate	kg	5615.1	5564.3	5457.9
Polyelectrolyte	kg	75.0	75.0	75.0
Chlorine Gas	kg	615	590	588
Soda Ash - Used for pH Adjustment	kg	5615.1	5564.3	5457.9
Fluoride	kg	504	563	707

See note 1 below.

See note 2 below.

- * The Canadian Average is 450 Litres (0.45 m³) per day.
- * Population is 7986
- * Number of Households is 3783

Note 1: After discussing with ORO Brad Webb, 6000 m3 for peak day in March 2020 is believed to be a manual calculation error or read error when reading the plant totalizer gauge. The next closest reading is 5320 m3.

Note 2: Treated water (and raw water) flows have been on a steady, gradual decline going back to the start of 2015. See attached graph. Based on the data, it can be said that, on average, the gap between raw water and treated water has remained consistent over the period graphed.

Raw Water vs. Treated Water Flows

