

Flow and Operating Data

Flow Data	MARCH	Units	2016		2017		2018	
			Day of the Month		Day of the Month		Day of the Month	
Total Raw Water	m <sup>3</sup>			156060		171720		160430
Raw Maximum Day	m <sup>3</sup>	Friday 25th		5200	Sunday 19th	5760	Sunday 25th	5470
Raw Minimum Day	m <sup>3</sup>	Saturday 26th		4500	Saturday 04th	5280	Monday 12th	4800
Raw Average Daily Consumption	m <sup>3</sup>			5030		5540		5180
* Daily Instantaneous Peak Flow	L/min.							
Total Treated Water	m <sup>3</sup>			118060		113560		124800
Treated Water Maximum Day Consumption	m <sup>3</sup>	Friday 04th		5040	Friday 31st	4600	Sunday 25th	4640
Treated Water Minimum Day Consumption	m <sup>3</sup>	Sat. 12th & Sun. 27th		3540	Thursday 23rd	2950	Saturday 24th	3170
Treated Water Average Day Consumption	m <sup>3</sup>			3810		3660		4030
Daily Average Per Household Consumption Rate	m <sup>3</sup>			1.01		0.97		1.07
* Daily Average Per Person Consumption Rate	m <sup>3</sup>			0.48		0.46		0.50
Monthly Averages - Operating Parameters WTP:								
FAC Residual - Treated Water	mg/L			2.16		2.22		2.15
Total Chlorine Residual - Treated Water	mg/L			2.46		2.41		2.38
Aluminum Sulphate - Raw Water	mg/L			35.0		35.0		35.0
Aluminum Sulphate - Treated Water Residual	mg/L			0.05		0.05		0.03
Fluoride - Treated Water	mg/L			0.64		0.56		0.60
Soda Ash - Raw Water	mg/L			35.0		35.0		35.0
PH - Adjusted	mg/L			7.27		7.20		7.16
Temperature	C			3.1		2.4		2.0
Quantity of Chemical Used:								
Aluminum Sulphate	kg			5462.1		6010.2		5615.1
Polyelectrolyte	kg			62.5		62.5		75.0
Chlorine Gas	kg			624		674		615
Soda Ash - Used for PH Adjustment	kg			5462.1		6010.2		5615.1
Fluoride	kg			549		580		504

- \* The Canadian Average is 450 Litres (0.45 m<sup>3</sup>) per day.
- \* Population is 7986
- \* Number of Households is 3783