

Flow and Operating Data

Flow Data	MARCH	Units	2015		2016		2017	
			Day of the Month		Day of the Month		Day of the Month	
Total Raw Water	m ³			168790		156060		171720
Raw Maximum Day	m ³		Saturday 14th	5970	Friday 25th	5200	Sunday 19th	5760
Raw Minimum Day	m ³		Sunday 01st	4890	Saturday 26th	4500	Saturday 04th	5280
Raw Average Daily Consumption	m ³			5440		5030		5540
* Daily Instantaneous Peak Flow	L/min.							
Total Treated Water	m ³			126450		118060		113560
Treated Water Maximim Day Consumption	m ³		Tuesday 10th	5230	Friday 04th	5040	Friday 31st	4600
Treated Water Minimim Day Consumption	m ³		Sat. 28th & Tues. 31st	3630	Sat. 12th & Sun. 27th	3540	Thursday 23rd	2950
Treated Water Average Day Consumption	m ³			4080		3810		3660
Daily Average Per Household Consumption Rate	m ³			1.08		1.01		0.97
* Daily Average Per Person Consumption Rate	m ³			0.51		0.48		0.46
Monthly Averages - Operating Parameters WTP:								
FAC Residual - Treated Water	mg/L			1.91		2.16		2.22
Total Chlorine Residual - Treated Water	mg/L			2.21		2.46		2.41
Aluminum Sulphate - Raw Water	mg/L			35.6		35.0		35.0
Aluminum Sulphate - Treated Water Residual	mg/L			0.06		0.05		0.05
Fluoride - Treated Water	mg/L			0.60		0.64		0.56
Soda Ash - Raw Water	mg/L			36.4		35.0		35.0
PH - Adjusted	mg/L			7.13		7.27		7.2
Temperature	C			2.6		3.1		2.4
Quantity of Chemical Used:								
Aluminum Sulphate	kg			6000.6		5462.1		6010.2
Polyelectrolyte	kg			75.0		62.5		62.5
Chlorine Gas	kg			614		624		674
Soda Ash - Used for PH Adjustment	kg			6144.7		5462.1		6010.2
Fluoride	kg			363		549		580

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

* Population is 7986

* Number of Households is 3783