

Town of Fort Frances - WTP - 220000978
January 2016/17 vs. January 2018
Flow and Operating Data

Flow Data January	Units	2016		2017		2018	
		Day of the Month		Day of the Month		Day of the Month	
Total Raw Water	m ³		158340		168830		161760
Raw Maximum Day	m ³	Friday 01st	5440	Monday 14th	5640	Tuesday 02nd	5460
Raw Minimum Day	m ³	Monday 25th	4820	Tuesday 26th	5140	Thursday 25th	4930
Raw Average Daily Consumption	m ³		5110		5450		5220
Total Treated Water	m ³		118110		114550		119180
Treated Water Maximim Day Consumption	m ³	Monday 18th	4130	Friday 05th	4130	Monday 15th	4110
Treated Water Minimim Day Consumption	m ³	Saturday 02nd	3340	Sunday 02nd & 25th	3460	Wednesday 24th	3590
Treated Water Average Day Consumption	m ³		3810		3700		3850
Daily Average Per Household Consumption Rate	m ³		1.007		0.978		1.018
* Daily Average Per Person Consumption Rate	m ³		0.477		0.463		0.482
Monthly Averages - Operating Parameters WTP:							
FAC Residual - Treated Water	mg/L		2.18		2.25		2.22
Total Chlorine Residual - Treated Water	mg/L		2.38		2.46		2.41
Aluminum Sulphate - Raw Water	mg/L		35.0		35.0		35.0
Aluminum Sulphate - Treated Water Residual	mg/L		0.04		0.04		0.04
Fluoride - Treated Water	mg/L		0.61		0.54		0.55
Soda Ash - Raw Water	mg/L		35.0		35.0		35.0
PH - Adjusted	mg/L		7.32		7.24		7.18
Temperature	C		2.1		2.5		2.0
Quantity of Chemical Used:	kg						
Aluminum Sulphate	kg		5541.9		5909.1		5661.6
Polyelectrolyte	kg		62.5		75.0		62.5
Chlorine Gas	kg		617		647		623
Soda Ash - Used for PH Adjustment	kg		5541.9		5909.1		5661.6
Fluoride	kg		470		553		604

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

* Population is 7986

* Number of Households is 3783