

Town of Fort Frances - WTP - 220000978  
May 2015/2016 vs 2017 Flow and Operating Data

Flow Data MAY	Units	2015		2016		2017	
		Day of the Month		Day of the Month		Day of the Month	
Total Raw Water	m <sup>3</sup>		175810		163490		196210
Raw Maximum Day	m <sup>3</sup>	Saturday 02nd	5940	Saturday 28th	5520	Monday 22nd	7080
Raw Minimum Day	m <sup>3</sup>	Friday 01st	5260	Monday 09th	5090	Sunday 21st	5830
Raw Average Daily Consumption	m <sup>3</sup>		5670		5270		6330
Total Treated Water	m <sup>3</sup>		12010		118580		116990
Treated Water Maximum Day Consumption	m <sup>3</sup>	Sunday 03rd	4380	Tuesday 31st	4340	Wednesday 24th	5040
Treated Water Minimum Day Consumption	m <sup>3</sup>	Monday 18th	3450	Tuesday 17th	3240	Sunday 21st	2820
Treated Water Average Day Consumption	m <sup>3</sup>		3870		3830		3770
Daily Average Per Household Consumption Rate	m <sup>3</sup>		1.02		1.01		1.00
* Daily Average Per Person Consumption Rate	m <sup>3</sup>		0.48		0.48		0.47
Monthly Averages - Operating Parameters WTP:							
FAC Residual - Treated Water	mg/L		2.05		2.05		2.23
Total Chlorine Residual - Treated Water	mg/L		2.28		2.39		2.45
Aluminum Sulphate - Raw Water	mg/L		35.1		35.0		35.0
Aluminum Sulphate - Treated Water Residual	mg/L		0.05		0.04		0.03
Fluoride - Treated Water	mg/L		0.62		0.65		0.59
Soda Ash - Raw Water	mg/L		35.5		35.0		35.0
PH - Adjusted	mg/L		7.17		7.47		7.19
Temperature	C		10.4		10.5		9.9
Quantity of Chemical Used:	kg						
Aluminum Sulphate	kg		6182.4		5722.1		6867.35
Polyelectrolyte	kg		50.0		87.5		87.5
Chlorine Gas	kg		709		688		811
Soda Ash - Used for PH Adjustment	kg		6255.1		5722.1		6867.35
Fluoride	kg		427		547		547

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