

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

Flow Data August	Units	2015		2016		2017	
		Day of the Month		Day of the Month		Day of the Month	
Total Raw Water	m ³		195880		178410		204690
Raw Maximum Day	m ³	Tuesday 4th & Sunday 23rd	6620	Thursday 11th	6010	Monday 28th	6900
Raw Minimum Day	m ³	Monday 31st	5370	Wednesday 24th	5170	Sunday 13th	6290
Raw Average Daily Consumption	m ³		6320		5760		6600
Total Treated Water	m ³		130290		137500		123420
Treated Water Maximim Day Consumption	m ³	Sunday 16th	5030	Wednesday 03rd	5500	Tuesday 01st	5680
Treated Water Minimim Day Consumption	m ³	Sunday 23rd	3510	Sunday 07th	3370	Sunday 27th	3300
Treated Water Average Day Consumption	m ³		4200		4440		3980
Daily Average Per Household Consumption Rate	m ³		1.11		1.17		1.05
* Daily Average Per Person Consumption Rate	m ³		0.53		0.56		0.50
Monthly Averages - Operating Parameters WTP:							
FAC Residual - Treated Water	mg/L		2.10		2.24		2.25
Total Chlorine Residual - Treated Water	mg/L		2.38		2.50		2.43
Aluminum Sulphate - Raw Water	mg/L		35.0		35.0		35.0
Aluminum Sulphate - Treated Water Residual	mg/L		0.03		0.02		0.02
Fluoride - Treated Water	mg/L		0.56		0.63		0.70
Soda Ash - Raw Water	mg/L		35.0		35.0		35.0
PH - Adjusted	mg/L		7.20		7.19		7.31
Temperature	C		20.1		22.2		21.5
Quantity of Chemical Used:							
Aluminum Sulphate	kg		6855.8		6244.4		7164.2
Polyelectrolyte	kg		62.5		75.0		75.0
Chlorine Gas	kg		947		894		1036
Soda Ash - Used for PH Adjustment	kg		6855.8		6244.4		7164.2
Fluoride	kg		600		542		654

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

* Population is 7986

* Number of Households is 3783