

Town of Fort Frances - WTP - 220000978

August 2015/2016 vs. August 2018 Flow and Operating Data

Flow Data	August	Units	2016		2017		2018	
			Day of the Month		Day of the Month		Day of the Month	
Total Raw Water	m ³			178410		204690		185980
Raw Maximum Day	m ³		Thursday 11th	6010	Monday 28th	6900	Sunday 19th	6740
Raw Minimum Day	m ³		Wednesday 24th	5170	Sunday 13th	6290	Mon 6th & Sat 11th	5280
Raw Average Daily Consumption	m ³			5760		6600		6000
Total Treated Water	m ³			137500		123420		132730
Treated Water Maximim Day Consumption	m ³		Wednesday 03rd	5500	Tuesday 01st	5680	Monday 13th	5780
Treated Water Minimim Day Consumption	m ³		Sunday 07th	3370	Sunday 27th	3300	Monday 6th	3340
Treated Water Average Day Consumption	m ³			4440		3980		4280
Daily Average Per Household Consumption Rate	m ³			1.17		1.05		1.13
* Daily Average Per Person Consumption Rate	m ³			0.56		0.50		0.54
Monthly Averages - Operating Parameters WTP:								
FAC Residual - Treated Water	mg/L			2.24		2.25		2.16
Total Chlorine Residual - Treated Water	mg/L			2.50		2.43		2.42
Aluminum Sulphate - Raw Water	mg/L			35.0		35.0		35.0
Aluminum Sulphate - Treated Water Residual	mg/L			0.02		0.02		0.02
Fluoride - Treated Water	mg/L			0.63		0.70		0.72
Soda Ash - Raw Water	mg/L			35.0		35.0		35.0
PH - Adjusted	mg/L			7.19		7.31		6.97
Temperature	C			22.2		21.5		21.7
Quantity of Chemical Used:								
Aluminum Sulphate	kg			6244.4		7164.2		6509.3
Polyelectrolyte	kg			75.0		75.0		75.0
Chlorine Gas	kg			894		1036		919
Soda Ash - Used for PH Adjustment	kg			6244.4		7164.2		6509.3
Fluoride	kg			542		654		656

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

* Population is 7986

* Number of Households is 3783