

2021 Fort Frances Wastewater

Month	Sewage Flows Year 2020					Usage	Calculated	Sludge	Removal Efficiency	
	Avg. Day	Max Day	Total	Total	Total	% Plant	Volume	Bins	CBOD5 0.977048417	
	Flow	Flow	Treated	ByPass	Volume	Capacity	Hauled	Hauled	Suspended Solids 0.985617155	
	m3	m3	Volume ML	Volume ML	ML		M3		Total Phosphorus 0.974048443	
January	5015.0	5375	155465		155465	56%	134.4	13		
February	5244.0	5551	146883		146883	58%	116.6	11		
March						0%				
April						0%				
May						0%				
June						0%				
July						0%				
August						0%				
September						0%				
October						0%				
November						0%				
December						0%				
Sum				0	302348		251	24		
Average	5130		151174		151174	57%	125.5	12.0		
Max		5551	155465		155465			13		
ECA	9000	18000								

Month	BOD5/CBOD5			Suspended Solids			Total Phosphorus			Nitrogen		E. Coli	pH	
	Avg. Raw	Avg. Eff.	Avg. Load	Avg. Raw	Avg. Eff.	Avg. Load	Avg. Raw	Avg. Eff.	Avg. Load	Avg. Raw	Avg. Eff.	Geo Mean	Monthly	Monthly
	BOD (mg/L)	CBOD (mg/L)	CBOD (kg/day)	S.S (mg/L)	S.S (mg/L)	S.S (kg/day)	T.P (mg/L)	T.P (mg/L)	T.P (kg/day)	TKN (mg/L)	Total N (mg/L)	Counts /100ml	Minimum	Maximum
January	123.8	2.2	11.1	196.5	2.5	12.7	2.99	0.07	0.33	26.2	11.8	10.0	6.6	7.0
February	91.0	2.7	14.3	185.9	3.0	15.9	2.79	0.08	0.41	22.7	15.1	10	6.6	7.1
March														
April														
May														
June														
July														
August														
September														
October														
November														
December														
Average	107.4	2.5	12.7	191.2	2.8	14.3	2.89	0.08	0.37	24.5	13.5	10.0	6.6	7.1
Max	123.8	2.7	14.3	196.5	3	15.9	2.99	0.08	0.41	26.2	15.1	10.0	6.6	7.1
ECA		25	225		25	225		1.0	9.0			200	6.0	9.5