

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 0.973903509	
	Flow	Flow	Treated	ByPass	Volume	Capacity	Hauled	Hauled	Suspended Solids 0.983793411	
	m3	m3	Volume ML	Volume ML	ML		M3		Total Phosphorus 0.971674877	
January	5015.0	5375	155465		155465	56%	134.4	13		
February	5244.0	5551	146883		146883	58%	116.6	11		
March	5141.9	5653	159400		159400	57%	145.6	14		
April						0%				
May						0%				
June						0%				
July						0%				
August						0%				
September						0%				
October						0%				
November						0%				
December						0%				
Sum				0	461748		396.6	38		
Average	5134		153916		153916	57%	132.2	12.7		
Max		5653	159400		159400			14		
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	10.0	6.6	7.1
March	104.4	3.4	17.6	179.1	3.6	18.5	2.34	0.08	0.40	18.6	15.0	12.5	7.0	7.4
April														
May														
June														
July														
August														
September														
October														
November														
December														
Average	106.4	2.8	14.3	187.2	3.0	15.7	2.71	0.08	0.38	22.5	14.0	10.8	6.7	7.2
Max	123.8	3.4	17.6	196.5	3.6	18.5	2.99	0.08	0.41	26.2	15.1	12.5	7.0	7.4
ECA		25	225		25	225		1.0	9.0			200	6.0	9.5