

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	0.973666266
	Flow	Flow	Treated	ByPass	Volume	Capacity	Hauled	Hauled	Suspended Solids	0.979624001
	m3	m3	Volume ML	Volume ML	ML		M3		Total Phosphorus	0.966903073
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	7538.1	11729	226144		226144	84%	125.7	13		
May	5788.8	6607	179453		179453	64%	118.3	11		
June						0%				
July						0%				
August						0%				
September						0%				
October						0%				
November						0%				
December						0%				
Sum				0	867345		640.6	62		
Average	5746		173469		173469	60%	128.1	12.4		
Max		11729	226144		226144			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	91.8	2.5	20.0	160.7	5.0	40.5	2.23	0.08	0.63	15.8	12.6	17.8	7.1	7.5
May	87.6	2.3	13.3	166.1	4.0	23.5	2.34	0.11	0.61	18.0	13.9	22.2	7.2	7.4
June														
July														
August														
September														
October														
November														
December														
Average	99.7	2.6	15.3	177.7	3.6	22.2	2.54	0.08	0.48	20.3	13.7	14.5	6.9	7.3
Max	123.8	3.4	20.0	196.5	5	40.5	2.99	0.11	0.63	26.2	15.1	22.2	7.2	7.5
ECA		25	225		25	225		1.0	9.0			200	6.0	9.5