

2020 Fort Frances Wastewater

Month	Sewage Flows Year 2020					Usage % Plant Capacity	Calculated Volume Hauled	Sludge Bins Hauled	Removal Efficiency	
	Avg. Day Flow	Max Day Flow	Total Treated	Total ByPass	Total Volume				Suspended Solids	CBOD5
	m3	m3	Volume ML	Volume ML	ML					
January	5733.8	6060	177747		177747	64%	113.2	12		0.952271231
February	5477.0	5861	158832		158832	61%	108.2	11		0.968379447
March	5852.1	8845	181415		181415	65%	117.1	12		
April						0%				
May						0%				
June						0%				
July						0%				
August						0%				
September						0%				
October						0%				
November						0%				
December						0%				
Sum				0	517994		338.5	35		
Average	5688		172665		172665	64%	112.8	11.7		
Max		8845	181415		181415			12		
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.	Avg. Load	Avg. Raw	Avg. Eff.	Avg. Load	Avg. Raw	Avg. Eff.	Geo Mean	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)	S.S. (kg/day)	T.P. (mg/L)	T.P. (mg/L)	T.P. (kg/day)	TKN (mg/L)	Total N (mg/L)	(mg/L)	Counts /100ml	Minimum	Maximum						
January	92.6	2.9	16.4	167.8	4.9	28.2	2.59	0.14	0.82	16.2	12.5	12.5	16.2	12.5	12.5	44.6	6.3	6.6						
February	112.0	9.0	15.9	163.1	5.0	27.2	3.38	0.12	0.67	16.4	13.0	22.1	16.4	13.0	13.0	6.4	7.5	7.6						
March	99.2	2.6	16.2	149.8	5.3	31.4	2.68	0.11	0.68	21.9	12.4	0.68	21.9	12.4	12.4	33.1	7	7.6						
April																								
May																								
June																								
July																								
August																								
September																								
October																								
November																								
December																								
Average	101.3	4.8	16.2	160.2	5.1	28.9	2.9	0.12	0.72	18.2	12.6	12.6	18.2	12.6	12.6	33.3	6.6	7.2						
Max	112	9	16.4	167.8	5.3	31.4	3.4	0.14	0.82	21.9	13	13	21.9	13	13	44.6	7	7.6						
ECA		25	225		25	225		1.0	9.0			9.0				200	6.0	9.5						