

2020 Fort Frances Wastewater

Month	Sewage Flows Year 2020					Usage	Calculated		Sludge		Removal Efficiency		
	Avg. Day	Max Day	Total	Total	Total		% Plant	Volume	Bins	CBOD5	Suspended Solids	Total Phosphorus	
	Flow	Flow	Treated	ByPass	Volume		Capacity	Hauled	Hauled				
	m3	m3	Volume ML	Volume ML	ML		M3						
January	5733.8	6060	177747		177747	64%	113.2	12					
February	5477.0	5861	158832		158832	61%	108.2	11					
March	5852.1	8845	181415		181415	65%	117.1	12					
April	8705.3	12162	261159		261159	97%	149.3	15					
May	6468.6	7612	200528		200528	72%	124.4	12					
June						0%							
July						0%							
August						0%							
September						0%							
October						0%							
November						0%							
December						0%							
Sum				0	979681		612.2	62					
Average	6447		195936		195936	64%	122.4	12.4					
Max		12162	261159		261159			15					
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	Geo Mean	Minimum	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)	Total N (kg/day)	/100ml			
January	92.6	2.9	16.4	167.8	4.9	28.2	2.59	0.14	0.82	16.2	12.5	44.6	44.6	6.3	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	22.1	6.4	6.4	7.5
March	99.2	2.6	16.2	149.8	5.3	31.4	2.68	0.11	0.68	21.9	12.4	33.1	33.1	7.0	7.0	7.6
April	69.8	2.9	24.2	106.4	5.1	45.8	1.88	0.11	0.96	14.5	10.1	49.0	49.0	7.0	7.0	7.4
May	75.8	2.2	14.2	133.1	3.9	25.2	1.90	0.10	0.63	16.2	12.3	14.1	14.1	7.0	7.0	7.3
June																
July																
August																
September																
October																
November																
December																
Average	89.9	3.9	17.4	144.0	4.8	31.6	2.5	0.12	0.75	17.0	12.1	32.6	32.6	6.7	6.7	7.3
Max	112	9	24.2	167.8	5.3	45.8	3.4	0.14	0.96	21.9	13	49	49	7	7	7.6
ECA		25	225		25	225		1.0	9.0			200	200	6.0	6.0	9.5