

2020 Fort Frances Wastewater

Month	Sewage Flows Year 2020						Usage		Calculated		Sludge		Removal Efficiency	
	Avg. Day	Max Day	Total	Total	Total	Total	% Plant	Capacity	Volume	Volume	Bins	Bins	CBO D5	0.95860134
	Flow	Flow	Treated	ByPass	Volume	ML			Hauled	Hauled			Suspended Solids	0.968003657
January	5733.8	6060	177747	Volume ML	177747	ML	64%		113.2		12		Total Phosphorus	0.94935806
February	5477.0	5861	158832	Volume ML	158832	ML	61%		108.2		11			
March	5852.1	8845	181415	Volume ML	181415	ML	65%		117.1		12			
April	8705.3	12162	261159	Volume ML	261159	ML	97%		149.3		15			
May	6468.6	7612	200528	Volume ML	200528	ML	72%		124.4		12			
June	6308.4	10580	189252	Volume ML	189252	ML	70%		131		13			
July				Volume ML		ML	0%							
August				Volume ML		ML	0%							
September				Volume ML		ML	0%							
October				Volume ML		ML	0%							
November				Volume ML		ML	0%							
December				Volume ML		ML	0%							
Sum				0	1168933				743.2		75			
Average	6424		194822		194822		67%		123.9		12.5			
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.	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)	Counts /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	6.3	6.3	6.5
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	6.4	7.5	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	7.0	7.6	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	7.0	7.4	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	7.0	7.3	7.3
June	79.6	2.3	13.7	154.9	3.8	23.7	1.59	0.13	0.81	17.5	12.5	15.2	6.9	7.2	7.2
July															
August															
September															
October															
November															
December															
Average	88.2	3.7	16.8	145.9	4.7	30.3	2.3	0.12	0.76	17.1	12.1	29.7	6.8	7.3	7.3
Max	112	9	24.2	167.8	5.3	45.8	3.4	0.14	0.96	21.9	13	49	7	7.6	7.6
ECA		25	225		25	225		1.0	9.0			200	6.0	9.5	9.5