

2020 Fort Frances Wastewater

Avg. Day Flow m3	Sewage Flows Year 2020				Usage % Plant Capacity	Calculated Volume Hauled M3	Sludge Bins Hauled	Removal Efficiency	
	Max Day Flow m3	Total Treated Volume ML	ByPass Volume ML	Total Volume ML				Suspended Solids	Total Phosphorus
5733.8	6060	177747		177747	64%	113.2	12	0.964868256	0.975146509
5477.0	5861	158832		158832	61%	108.2	11		
5852.1	8845	181415		181415	65%	117.1	12		
8705.3	12162	261159		261159	97%	149.3	15		
6468.6	7612	200528		200528	72%	124.4	12		
6308.4	10580	189252		189252	70%	131.0	13		
5376.8	6039	166681		166681	60%	110.5	11		
5641.0	8831	174870		174870	63%	89.9	9		
5464.9	6696	163947		163947	61%	114.8	11		
					0%				
					0%				
					0%				
6114		186048	0	1674431		1058.4	106		
	12162	261159		186048	62%	117.6	11.8		
9000	18000			261159			15		

BOD5/CBOD5				Suspended Solids				Total Phosphorus				Nitrogen			E. Coli		pH	
Avg. Raw BOD (mg/L)	Avg. Eff. CBOD (mg/L)	Avg. Load CBOD (kg/day)	Avg. Raw S.S (mg/L)	Avg. Eff. S.S (mg/L)	Avg. Load S.S (kg/day)	Avg. Raw T.P (mg/L)	Avg. Eff. T.P (mg/L)	Avg. Load T.P (kg/day)	Avg. Raw TKN (mg/L)	Avg. Eff. Total N (mg/L)	Geo Mean Counts /100ml	Monthly Minimum	Monthly Maximum					
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	6.6					
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					
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					
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					
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					
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					
86.3	2.1	11.5	182.9	2.6	14.1	2.34	0.11	0.61	19.3	8.1	10.0	6.9	7.1					
82.4	2.0	11.4	186.8	2.5	14.2	2.46	0.17	0.96	17.3	6.8	11.5	6.7	7.1					
99.3	2.0	10.6	171.5	2.1	11.6	2.61	0.17	0.96	18.4	7.4	10.0	6.7	7.1					

88.6	3.1	14.9	157.4	3.9	24.6	2.4	0.13				0.79	0.13	17.5	0.79	17.5	10.6	23.3		10.6	17.5	17.5	6.8	7.2
112	9	24.2	186.8	5.3	45.8	3.4	0.17				0.96	0.17	21.9	0.96	21.9	13	49		13	21.9	21.9	7	7.6
	25	225		25	225		1.0				9.0	1.0		9.0		200	6.0					6.0	9.5