

2022 Fort Frances Wastewater

Month	Sewage Flows Year 2022					Usage	Calculated	Sludge	Removal Efficiency	
	Avg. Day	Max Day	Total	Total	Total	% Plant	Volume	Bins	CBOD5 0.959909783	
	Flow	Flow	Treated	ByPass	Volume	Capacity	Hauled	Hauled	Suspended Solids 0.970567526	
	m3	m3	Volume ML	Volume ML	ML		M3		Total Phosphorus 0.963041183	
January	5347.3	5710	165767		165767	59%	111.0	12		
February	5220.0	7432	146159		146159	58%	96.8	10		
March	5843.3	6920	181143		181143	65%	118.9	11		
April	12204.4	19452	366133	27675.2	393808.2	136%	102.4	10		
May	16832.1	19000	521795	16930.4	538725.4	187%	91.3	9		
June	11416.7	19000	342500	286.0	342786	127%	69.6	7		
July	10496.0	17983	325376	582.9	325958.9	117%	79.6	7		
August						0%				
September						0%				
October						0%				
November						0%				
December						0%				
Sum				45474.5	2094347.5		669.6	66		
Average	9623		292696		299193	88%	95.7	9.4		
Max		19452	521795		538725.4			12		
ECA	9000	18000								

	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
Month	BOD	CBOD	CBOD	S.S	S.S	S.S	T.P	T.P	T.P	TKN	Total N	Counts	Minimum	Maximum
	(mg/L)	(mg/L)	(kg/day)	(mg/L)	(mg/L)	(kg/day)	(mg/L)	(mg/L)	(kg/day)	(mg/L)	(mg/L)	/100ml		
January	111.3	4.5	24.1	185.2	3.5	18.7	2.92	0.14	0.75	19.5	13.1	49.7	7.0	7.5
February	139.0	4.0	20.8	212.5	3.3	17.8	3.18	0.13	0.66	20.8	16.0	13.2	7.1	7.4
March	106.5	3.0	17.0	192.5	2.8	16.9	26.50	0.18	1.06	16.4	15.5	34.8	7.1	7.3
April	59.3	2.8	31.0	105.9	3.7	44.4	1.55	0.33	3.81	10.4	9.9	742.1	7.3	7.5
May	30.6	2.8	49.7	62.8	5.7	95.6	1.04	0.23	3.90	6.0	7.0	107.0	7.3	7.5
June	27.1	2.2	28.4	68.5	4.3	51.2	0.94	0.19	2.18	7.8	7.7	70.7	7.3	7.6
July	58.3	2.0	21.8	95.7	3.9	40.6	1.75	0.20	2.14	11.5	6.8	31.5	7.3	7.7
August														
September														
October														
November														
December														
Average	76.0	3.0	27.5	131.9	3.9	40.7	5.41	0.20	2.07	13.2	10.9	149.9	7.2	7.5
Max	139	4.53	49.7	212.5	5.7	95.6	26.50	0.33	3.90	20.8	16.0	742.1	7.3	7.7
ECA		25	225		25	225		1.0	9.0			200	6.0	9.5