

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				CBOD5	Suspended Solids
5733.8	6060	177747		177747	64%	113.2	12	0.968922715	0.977863182
5477.0	5861	158832		158832	61%	108.2	11		Total Phosphorus 0.948726542
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		
5753.3	7408	178352		178352	64%	105.8	11		
5635.0	5997	169049		169049	63%	152.5	15		
5183.9	5424	160702		160702	58%	123.9	13		
			0	2182534		1440.6	145		
5967		181878		181878	61%	120.1	12.1		
	12162	261159		261159			15		
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	Monthly	Monthly
BOD	CBOD	CBOD	S.S	S.S	S.S	T.P	T.P	T.P	TKN	Total N	Counts	Minimum	Maximum	Maximum	Maximum
(mg/L)	(mg/L)	(kg/day)	(mg/L)	(mg/L)	(kg/day)	(mg/L)	(mg/L)	(kg/day)	(mg/L)	(mg/L)	/100ml				
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		
90.8	2.1	11.6	163.9	2.3	13.4	2.50	0.13	0.75	19.7	7.4	15.7	6.6	7.0		
92.6	2.0	11.3	183.0	3.3	18.4	2.89	0.16	0.91	19.1	8.6	33.8	6.6	7.1		
123.3	2.2	11.2	188.3	2.4	12.4	3.02	0.08	0.40	19.7	8.4	10.0	6.6	7.1		
92.0	2.9	14.0	162.6	3.6	22.1	2.5	0.13	0.76	18.0	10.0	22.4	6.7	7.2		
123.3	9	24.2	188.3	5.3	45.8	3.4	0.17	0.96	21.9	13	49	7	7.6		
	25	225		25	225		1.0	9.0			200	6.0	9.5		