

2020 Fort FrancesWastewater

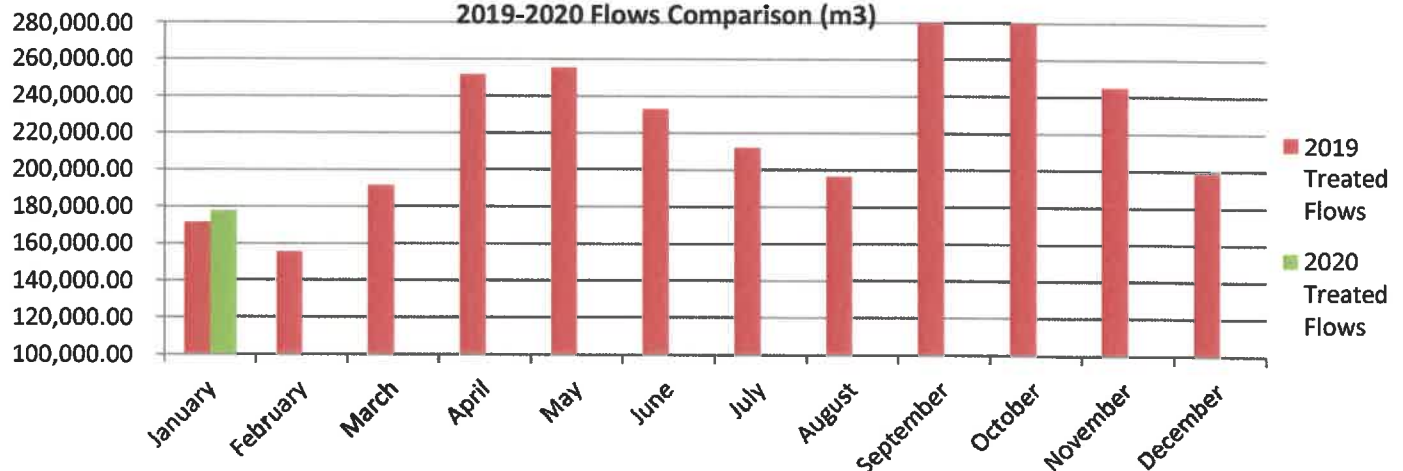
Month	Sewage Flows Year 2020					Usage	Calculated	Sludge	Removal Efficiency	
	Avg. Day	MaxDay	Total	Total	Total	%Plant	Volume	Bins	CBODS 0,96868250	
	Flow	Flow	Treated	ByPass	Volume	Coactiv	Hauled	Hauled	Suspended Solids 0,97079857	
	m3	m3	Volume ML	Volume ML	ML		M3		Total Phosphorus 0,94594594	
January	5733.8	6060	177747		177747	64%	113.2	12		
February						0%				
March						0%				
April						0%				
May						0%				
June						0%				
July						0%				
August						0%				
September						0%				
October						0%				
November						0%				
December						0%				
Sum				0	177747		113.2	12		
Average	5734		177747		177747	64%	113.2	12.0		
Max		6060	177747		177747			12		
ECA	9000	18000								

Month	BOD5/CBDD5			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
	800	CBDD	CBDD	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)	Img/L)	(kg/day)	(mg/L)	(mg/L)	(kg/day)	(mg/L)	(mg/L)	/ 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	6.6
February														
March														
April														
May														
June														
July														
August														
September														
October														
November														
December														
Average	92.6	2.9	16.4	167.8	4.9	28.2	2.6	0.14	0.82	16.2	12.5	44.6	6.3	6.6
Max	92.6	2.9	16.4	167.8	4.9	28.2	2.6	0.14	0.82	16.2	12.5	44.6	6.3	6.6
ECA		25	225		25	225		1.0	9.0			200	6.0	9.5

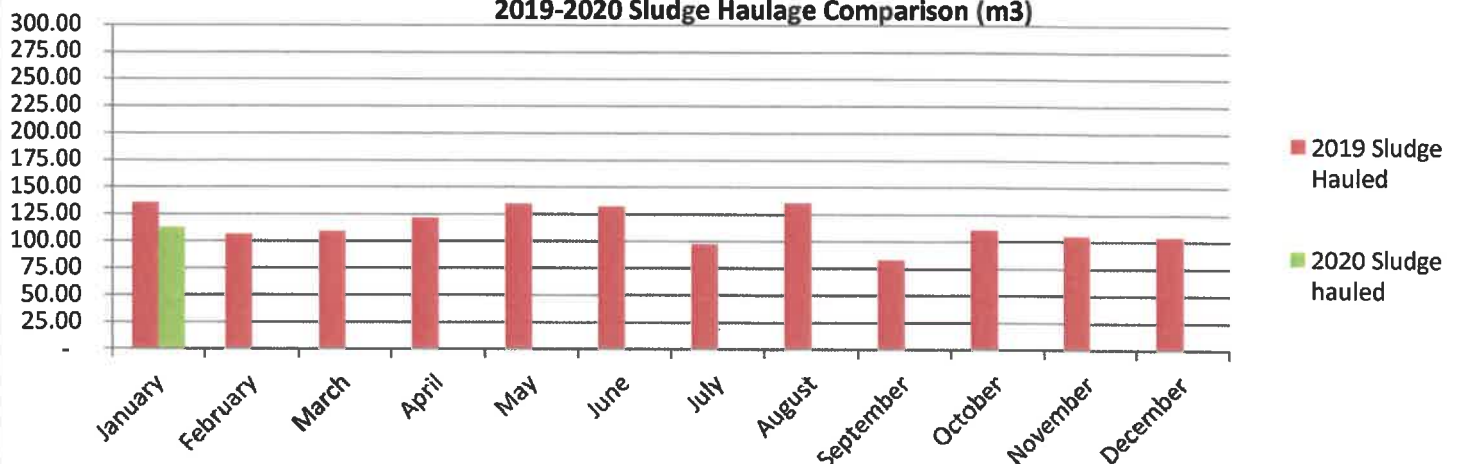
2019-2020 Comparison Chart

Month	2019 Treated Sewage	2020 Treated Sewage	% Variance 2019 to 2020	2019 Hauled Sludge	2020 Hauled Sludge	% Variance 2019 to 2020
	m3	m3	m3	m3 (calculated)	m3 (calculated)	m3
January	171,621.00	177,747.00	3%	136.00	113.20	-17%
February	155,707.00		#DIV/0!	106.70		-100%
March	191,603.00		#DIV/0!	109.20		-100%
April	251,711.00		#DIV/0!	121.60		-100%
May	255,574.00		#DIV/0!	135.00		-100%
June	233,001.00		#DIV/0!	132.60		-100%
July	212,351.00		#DIV/0!	97.70		-100%
August	196,772.00		#DIV/0!	136.00		-100%
September	315,918.00		#DIV/0!	83.10		-100%
October	441,076.00		#DIV/0!	111.10		-100%
November	245,097.00		#DIV/0!	105.70		-100%
December	199,047.00		#DIV/0!	104.50		-100%
Totals	2,869,478.00	177,747.00	-1514%	1,379.20	113.20	-92%

2019-2020 Flows Comparison (m3)



2019-2020 Sludge Haulage Comparison (m3)



Workorder Summary Report

Report Start Date: Jan 1, 2020 12:00 AM
 Report End Date: Jan 31, 2020 11:59 PM
 Location: 1103*
 Work Order Type: ADMIN,CALL,CAP,CORR,EMER,OPER,PM
 Work Order Class:

				WorkOrder		PM Schedule		Workorder Details					WorkLog Detail
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finish	
1579048	0000227376	PANEL ALARM/DIALER	1103, Fort Frances WPCP, Process, Process Control & Monitoring	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 1103	COMP	1/1/20 12:00 AM	1/30/20 02:55 PM	1/30/20 02:55 PM	
1579052			1103, Fort Frances WPCP	PM	Refurbish/Replace/Repair	1	MONTHS	Diesel Gensets Inspection/Functional Tests (1m) 1103	COMP	1/1/20 12:00 AM	1/27/20 09:00 AM	1/27/20 11:00 AM	Monthly Gensets -I ran all gensets under load for 1 hour.
1579069			1103, Fort Frances WPCP	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 1103	COMP	1/1/20 12:00 AM	1/27/20 07:00 AM	1/27/20 08:00 AM	Monthly H&S -No issues at this time.
1579080			1103, Fort Frances WPCP	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 1103	COMP	1/1/20 12:00 AM	2/2/20 03:35 PM	2/2/20 03:35 PM	
1579450			1103, Fort Frances WPCP	PM	Inspection	1	MONTHS	Blowers/Motors Inspection/Service (1m/3m) 1103	COMP	1/1/20 12:00 AM	1/30/20 08:00 AM	1/30/20 09:00 AM	Monthly Blower Maint. -I changed oil and greased in blowers 3 & 4.
1579458	0000246402	CENTRIFUGE GS2-2-1 TEACUP/GRIT SNAIL	1103, Fort Frances WPCP, Process, Primary Treatment, Primary Sludge Degritting	PM	Inspection	1	MONTHS	Teacup Centrifuge Inspection/Service (1m/3m/1y) 1103	COMP	1/1/20 12:00 AM	1/27/20 08:00 AM	1/27/20 09:00 AM	Teacup Inspection -I hosed the unit.