

TOWN OF FORT FRANCES

Operations and Facilities Executive Committee

AGENDA - April 18, 2018, 8:30 AM

MEETING - Civic Centre

Session #006

	Page
1. <u>Call to Order</u>	
2. <u>Disclosure of pecuniary interest and the general nature thereof</u>	
3. <u>Approval of Previous Committee Minutes</u>	
3.1 Minutes from the previous meeting on April 4, 2018.	3 - 4
4. <u>Non-agenda Items</u>	
5. <u>New Business</u>	
5.1 Application to the Municipal Asset Management Program	5 - 8
5.2 Enterprise Car Rental Airport Counter Lease Renewal	9 - 12
5.3 February 2018 Drinking Water Systems Monthly Summary Report	13 - 20
5.4 March 2018 Drinking Water Systems Monthly Summary Report	21 - 28
6. <u>Outstanding Items</u>	
6.1 Sewer and Water Installation Costs	
7. <u>Information</u>	
7.1 Fort Frances Wastewater Treatment Facility March 2018 Monthly Report.	29 - 38
7.2 Operations and Facilities Division - Environmental Area - Operations Statistics - January 2018	39 - 41
7.3 Operations and Facilities Division - Environmental Area - February 2018	42 - 44
7.4 Tonnage at the Landfill Site - updated April 13, 2018	45
7.5 Sewer and Water Data for 2018 - updated April 13, 2018	46
7.6 Airport Statistics 2018 - updated April 13, 2018	47 - 48
8. <u>Adjourn / Next Meeting Date</u>	

TOWN OF FORT FRANCES

MINUTES

SESSION NO. #005

April 4, 2018

The meeting of Operations & Facilities Executive Committee of the Town of Fort Frances was held in the Civic Centre on April 4, 2018 from 8:30 a.m. to 9:29 a.m.

PRESENT: Paul Ryan, Chairperson, June Caul, Doug Brown, CAO and Travis Rob.

ALSO PRESENT: Mayor Roy Avis, Greg Wiedenhoeft and Linda Carmody and Doug Herr (8:30 a.m. to 9:13 a.m.) and Tess Coish (8:30 a.m. to 9:00 a.m.)

1. Call to Order

1.1 The meeting was called to order at 8:31 a.m.

2. Disclosure of pecuniary interest and the general nature thereof

2.1 None

3. Approval of Previous Committee Minutes

3.1 Minutes from the previous meeting on March 21, 2018 - the minutes were approved as previously circulated.

4. Non-agenda Items

4.1 None

5. New Business

5.1 Request from Property Owners at 1212 Olde Shambles Road - Invoice Consideration - the recommendation was approved as presented.

5.2 Request for support - 2018 Fort Frances Canadian Bass Championship - the recommendation will be forwarded to the Administration and Finance Executive Committee.

5.3 Award of Tender 17-OF-07 Phase 2 - 2018 Third Street Road Reconstruction - the recommendation was approved as presented.

6. Outstanding Items

- 6.1 Request from EDAC - Sewer and Water Installation Rates - Report 3 - The recommendation was approved as presented.

7. Information

- 7.1 There were no information items

8. Adjourn / Next Meeting Date

- 8.1 The meeting adjourned at 9:29 a.m.

Executive Committee Chair

T. Rob, Manager of Operations & Facilities

April 18, 2018

Report To: Mayor and Council

From: Travis Rob, Manager of Operations and Facilities

RE: Application to the Municipal Asset Management Program

In the middle of 2016, the Federation of Canadian Municipalities (FCM) launched a finding program to help municipalities to bring their asset management program up to meeting the new asset management regulation O. Reg. 588/17. The funding program will pay 80% of eligible expenses up to \$80,000.00 for asset management work, staff or materials. The works under the funding model are required to be completed in 11 months and have to be supported by a resolution of Council, see draft attached.

In the 2018 operating budget the Town of Fort Frances budgeted \$6500.00 to undertake a pilot project whereby the Town would complete zoom camera type inspection of their storm sewer lines. Zoom camera utilizes a high-resolution camera with powerful lights, inserted in a manhole or catch basin where it zooms in to quickly inspect the pipe. Zoom camera inspection does not give the same level of detail as CCTV but is substantially cheaper than CCTV. Zoom camera inspections of sanitary mains is not known to be an effective method as this type of inspection does not work well if the pipe segment has horizontal or vertical alignment issues, particularly in smaller diameter pipes, and you can not get a good picture of the service attachments. Because of these shortfalls with this type of inspection, paired with the larger size of pipe within the storm network, this should provide sufficient level of detail to further the Town's Asset Condition Dataset. The Town will be applying for funds for zoom camera inspection through this program where we will utilize the \$6500 budgeted as our 20% contribution.

In addition to the work on the storm network, the Town is currently working to expand our asset database to include all of our assets including facilities. The Town's asset management software has the technical capability to, through a mobile app, scan a barcode on an asset and pull up that asset in the dataset allowing the town to make updates or changes to the asset or condition rating quickly and easily. The Town will also be applying for funds to purchase the hardware to print barcode labels to label our assets to work better with our software platform.

With the availability of a mobile app, the Town is also looking to buy a tablet to aid in the collection of condition data as well as moving forward to better track asset changes and work. The third portion of our application for FCM funding would be to offset the costs of purchasing a tablet.

The total amount of funding that the Town is applying for is \$33,200.00 whereby the Town's 20% contribution, \$6640.00 will be funded out of the Operations and Facilities operating budget.

The Operations and Facilities Executive Committee recommends that:

1. The Town apply for funding to further its work in Asset Management under the Federation of Canadian Municipalities Municipal Asset Management Program.
2. That the Town commit their 20% contribution share totalling \$6640.00 from the Operations and Facilities Division Operating Budget.
3. Council, by way of resolution, support the application to the program.

Respectfully Submitted



Travis Rob, P.Eng

Council approval of this report will ensure that

- 1. The Town apply for funding to further its work in Asset Management under the Federation of Canadian Municipalities Municipal Asset Management Program.**
- 2. That the Town commit their 20% contribution share totalling \$6640.00 from the Operations and Facilities Division Operating Budget.**
- 3. Council, by way of resolution, support the application to the program.**

Manager of Operations and Facilities

2018April MAMP Application report

Sample –Resolution

Instructions

In order to be eligible for Municipal Asset Management Program funding you will need to have a resolution drafted and adopted by your council, band council, or board of directors. When submitting your application to FCM, please include proof that the resolution was adopted by submitting *one* of the following:

- a formal copy of the resolution (on letterhead with a seal or signature and date);
- a signed and dated copy of the minutes at which the motion was adopted (including the text of the resolution); or
- a signed and dated copy of the text of the resolution, with confirmation from the applicant that the text is identical to that adopted by council.

Council Resolution Requirements

If you choose to draft your own resolution, it must include the following points:

- Acknowledgement that staff is submitting the application;
- Commitment to undertake the activities proposed in the application to FCM, should the application be approved;
- Declaration of your municipality's financial contribution (unless you have secured alternate sources of funding to cover 100% of total project costs); and
- Signature or official seal, resolution number, date passed, and confirmation that the resolution passed.

Sample Council Resolution Text

Be it resolved that <Council / Band Council / Board> directs staff to apply for a grant opportunity from the Federation of Canadian Municipalities' Municipal Asset Management Program for <Project Title>.

Be it therefore resolved that the <Municipality / Organization> commits to conducting the following activities in its proposed project submitted to the Federation of Canadian Municipalities' Municipal Asset Management Program to advance our asset management program:

- <Activity 1>
- <Activity 2>, and
- <Activity 3>.

Be it further resolved that the <Municipality / Organization> commits \$XXXX from its budget toward the costs of this initiative.

Workplan and Budget - MIAMP Funding Offer							Instructions	
Lead applicant:		The Corporation of The Town of Fort Frances					This is the legal name of your organization.	
Project title:		2018 Asset Condition Investigation					This is the title describing your project in 10 words or less.	
Activity		Start date	End date	Eligible cost (\$)	Ineligible cost (\$)	Total cost (\$)		
Activity 1: Zoom Camera		01/06/2018	01/08/2018				Notes: Activities should match those in Section C of the Application Form. Project timeline may not exceed 11 months.	
Storm Sewer network inspection - Phase 1				\$31,000	\$0	\$31,000	We are looking to undertake a phase 1 zoom camera inspection program of our storm sewer network. We currently operate under a 10 year cycle for CCTV inspection of our sanitary sewer network and are starting a similar system for our storm sewer network. Upon grant approval we will finalize our map of mains to be evaluated and obtain quotes from those who provide this service.	
[Add task description here]				\$0	\$0	\$0		
[Add task description here]				\$0	\$0	\$0		
[Add task description here]				\$0	\$0	\$0		
Activity 1 Subtotals				\$31,000	\$0	\$31,000		
Activity 2: Facility Asset Capture and Identification		01/06/2018	01/10/2018					
Capture and labelling of Facility Assets into database				\$800	\$0	\$800	We are gathering the asset information from all of our facilities for all capital assets. To make this task easier now and in the future we are looking to purchase a tablet computer to assist us. In addition we have been working with our asset management software vendor to look into the ability to barcode label the assets and be able to mobility gather the information on the assets for future condition assessments and updates.	
Data Capture Tablet				\$1,400	\$0	\$1,400		
[Add task description here]				\$0	\$0	\$0		
[Add task description here]				\$0	\$0	\$0		
[Add task description here]				\$0	\$0	\$0		
Activity 2 Subtotals				\$2,200	\$0	\$2,200		
Activity 3: (please insert name of activity)		mm/yyyy	mm/yyyy					
[Add task description here]				\$0	\$0	\$0		
[Add task description here]				\$0	\$0	\$0		
[Add task description here]				\$0	\$0	\$0		
[Add task description here]				\$0	\$0	\$0		
Activity 3 Subtotals				\$33,200	\$0	\$33,200		
Total costs				\$33,200	\$0	\$33,200		
				Total eligible costs		\$33,200		
							Calculate Budget	
NB: Click on the Calculate Budget button to round off all figures to the nearest \$100.								
Contingency costs: Have you included room for contingencies in some or all of your task costs? Please explain.							With the phase 1 approach to the zoom camera works, we have the ability to defer sections of sewer to next year should costs come in high or we find priority areas. With asset capture materials, we have obtained quotations already for these materials and are ready to purchase upon grant approval.	
[Add explanation about contingency here.]								
Other Notes:								
[Add any other relevant details about your workplan and budget here.]								

April 18, 2018

Report To: Mayor and Council

From: Travis Rob, Manager of Operations and Facilities

RE: Enterprise Car Rental Airport Counter Lease Renewal

Please find attached letter from Mr. Tom Batiuk, Airport Supervisor, outlining the annual lease agreement for counter space at the Fort Frances Municipal Airport Terminal. The lease agreements are required to be executed by the Corporation at this time. The rates in the agreement reflect the fees in the 2018 User Fee By-Law being \$1264.40 for the 2018 year.

The Operations and Facilities Executive Committee recommends that the lease agreement with Enterprise Rent-A-Car Canada Limited be executed and further that Mayor and Clerk be authorized to execute the lease agreements on behalf of the corporation.

Respectfully Submitted

A handwritten signature in black ink, appearing to read 'Travis Rob', with a stylized flourish at the end.

Travis Rob, P.Eng

Council approval of this report will ensure that the lease agreement with Enterprise Rent-A-Car Canada Limited be executed and further that Mayor and Clerk be authorized to execute the lease agreements on behalf of the corporation.

Manager of Operations and Facilities

2018April Enterprise Lease Agreement



2018-04-06

To: Travis Rob, O&F Division Manager

From: Tom Batiuk

Re: Enterprise Car Rental Lease Renewal

Attached are the lease renewal documents for Enterprise Car Rental. These lease documents are set to commence on January 1, 2018 and expire on December 31st, 2018. Please review the attached documentation with my recommendation for approval by Town Council.

Kind Regards,

Tom Batiuk
Airport Supervisor

THIS AGREEMENT made this 1st day of January, Two Thousand and Eighteen

BETWEEN:

THE CORPORATION OF THE TOWN OF FORT FRANCES
(The “Town”)

-And-

ENTERPRISE RENT-A-CAR CANADA LIMITED
(The “Tenant”)

WHEREAS:

- A. The Town and the Tenant hereinafter collectively referred to as the “Parties” entered into an agreement of lease (the “Lease”) dated January 1, 2006 with respect to the property (“Demised Premises”) described as: Counter space comprising of a total area of 3.3 square metres at the Fort Frances Airport.
- B. The copy of the lease dated January 1, 2006, in each of the Parties possession forms Part of this Agreement as Schedule “A”.
- C. The term (the “Term”) of this lease and subsequent renewals is due to expire and end December 31, 2017.
- D. The Town desires to lease to the Tenant and the Tenant desires to lease from the Town the Demised Premises for a further Term, namely, from January 1, 2018 to and including December 31, 2018 on substantially the same terms and conditions as set out in the Lease, save and excepting the additional clause E, as set out below.
- E. The annual rental fee will be annually increased on renewal by the greater of the amounts calculated as follows:
 - 1) An amount equal to that produced by applying the Previous year’s Ontario consumer price index to the previous year’s annual rental fee;
 - 2) An amount calculated as 1.5% over the previous year’s annual rental fee

NOW THEREFORE the Parties agree as follows:

- 1. The Town agrees to lease to the Tenant and the Tenant agrees to lease from the Town the Demised Premises for a further Term from and including January 1, 2018 to December 31, 2018.
- 2. The amount payable by the Tenant to the Town in respect of the Tenant’s lease of the Demised Premises for the Term January 1, 2018 to December 31, 2018 shall be the sum of \$1264.40, plus applicable taxes, which amount shall be payable by the Tenant to the Town upon the signing of this lease agreement.
- 3. Except as set out in this agreement, the Lease by the Tenant of the Demised Premises from the Town for the term shall be upon the same terms and conditions as set out in the Lease.

IN WITNESS WHERE OF the Parties have executed this Agreement.

For the Corporation of the Town of Fort Frances:

Per: _____
Mayor

Per: _____
Clerk

For Enterprise Rent-A-Car Canada Limited:

Witness: _____ Per: _____

“I have the authority to bind the corporation”

April 18, 2018

Report To: Mayor & Council

From: Travis Rob, Manager of Operations & Facilities

SUBJECT: February 2018 Drinking Water Systems Monthly Summary Report

Please find attached the February 2018 Summary Report on the drinking water systems, prepared by Randy White, Senior WTP Operator.

Your Administration recommends that Operations & Facilities Executive Committee accept the February 2018 report as presented.

Respectfully submitted,
Operations & Facilities Division

Travis Rob, E.I.T.
Manager of Operations & Facilities

Council approval of this report will accept the February 2018 report prior to it being made available to the general public.

c.c. – Doug Herr, Environmental & Facilities Supt.
Randy White, Senior WTP Operator

03CouncilwaterreportMarch 2015

February, 2018

**Monthly Summary Report
Water Systems**

**Prepared by: Randy White, ORO
Senior Water Treatment Plant Operator**

Dated: March 07, 2018

1) **Introduction:**

This report contains the major maintenance activities and operational events that occurred during the month of February 2018 at the Water Treatment Plant - Water Works # 220000978 and the Airport Groundwater Well Water Works No. 849N7DGE0 (Precedes Airport Groundwater Well Water Works No. 26002736). This information report has been prepared for Council to better understand how the water systems they own and operate are maintained on a monthly basis. Also, this report will assist Council as Directors of the Corporation in exercising its obligation to meet a reasonable Standard of Care as outlined in Section 19 of the Safe Drinking Water Act.

A NEW drinking water system at the Airport was put into service August 01, 2017. The system is classified as a Small Drinking Water System, System No. 849N7DGE0 which falls under the requirements of Ontario Regulation 319/08 – Small Drinking Water Systems. The old drinking water system, Airport Groundwater Well Water Works # 26002736 has been decommissioned.

2) **Flow Data:**

Water Treatment Plant: See attached spreadsheet.

Airport Groundwater Well – Raw water flow data: 54.8 m3 as of March 01, 2018. (4.8 m3 used in February).

3) **Microbiological (Health Related) Water Analysis - Main Water System No. 220000978:**

Water Treatment Plant (treated): 4 samples taken no adverse results

Water Treatment Plant (raw): 4 samples taken no adverse results

Water Distribution System: 16 samples taken where 25% of samples were tested for heterotrophic plate count (HPC) - no adverse results.

We take microbiological samples on a weekly basis, which includes 1 raw sample, 1 treated sample and 4 distribution samples. The 4 distribution samples are taken at different locations throughout the distribution system.

Water distribution samples taken at the following locations:

- | | | | |
|----------------------|------------------------|-----------------------|--------------|
| 1. 740 Scott St. | 2. 1036 Victoria Ave. | 3. 901 Wright Ave. | 4. W. Tower |
| 5. 1111 First St. E. | 6. 523 First St. E. | 7. 1103 Victoria Ave. | 8. W. Tower |
| 9. 740 Scott St. | 10. 1036 Victoria Ave | 11. 901 Wright Ave. | 12. W. Tower |
| 13. 122 Scott St. | 14. 1036 Victoria Ave. | 15. 901 Wright Ave. | 16. W. Tower |

4) Microbiological (Health Related) Water Analysis - Airport Groundwater Well No. 849N7DGE0:

New drinking water system put on line August 01, 2017. No treatment required as the Airport groundwater tested negative for bacteria.

The Airport drinking water system is to be sampled and tested for bacteria once every three (3) months in accordance with Section 25 – Microbiological Sampling and Testing of the Small Drinking Water Systems Regulation, O. Reg. 319/08.

Water distribution sample taken January 15, 2018 – no adverse results.

5) Free Available Chlorine Residual (FAC) - Main Water System No. 220000978:

FAC residuals are taken at a minimum daily at both the Water Treatment Plant and within the Water Distribution System.

6) Free Available Chlorine Residual (FAC) - Airport Groundwater Well System No. 849N7DGE0:

New drinking water system put on line August 01, 2017. No treatment required as the Airport groundwater well tested negative for bacteria.

7) Maintenance Activities at the WTP:

Feb. 02nd - cleaned top and bottom tanks on the poly unit.
- cleaned all four (4) check valves on the poly unit.

Feb. 06th - calibrated the Distribution Chlorine Analyzer.
- painted water treatment plant floor.

Feb. 07th - painted water treatment plant floor.

Feb. 08th - worked on distribution analyzers and calibrated them.

Feb. 13th - took Reservoir No. 2 off line for inspection.

Feb. 22nd - cleaned top and bottom tanks on the poly unit.
- cleaned all four (4) check valves on the poly unit.

Feb. 28th - ran emergency generator for an hour.
- worked on Reservoir No. 2 influent valve.
- calibrated distribution chlorine analyzer.

8) **Water Complaints:**

- Poor Pressure – 0 complaints:
- Water quality – 0 complaints:

9) **Other Miscellaneous Information:**

Feb. 05th - took weekly routine micro samples.

Feb. 08th - took grab samples off the filters.

Feb. 12th - took weekly routine micro samples.

Feb. 13th - received a shipment of chlorine tonners.

Feb. 20th - took weekly routine micro samples.

Feb. 26th - took weekly routine micro samples.

Feb. 27th - received a shipment of Aluminum Sulphate.

Feb. 28th - took grab samples off the filters.

10) In order to acknowledge that all levels of responsibility within the Corporation of the Town of Fort Frances have received and reviewed this monthly report, it is necessary to sign-off in the appropriate location below:

- Randy White, ORO, Senior WTP Operator: _____
- Doug Herr, Environmental & Facilities Supt.: _____
- Travis Rob, Manager of Operations & Facilities: _____
- Doug Brown, CAO: _____
- Paul Ryan, Chair O& F Exec Committee: _____
- Roy Avis, Mayor: _____
- June Caul, Councillor: _____
- John Albanese, Councillor: _____
- Wendy Brunetta, Councillor: _____
- Doug Kitowski, Councillor: _____
- Ken Perry, Councillor: _____

Note: Once all signatures have been obtained, the report will be distributed and made available to the public. If you have any questions, please feel free to contact myself or Randy White, Senior WTP Operator at 274-2325.

Monthly Report February 2018

Town of Fort Frances - Water treatment Plant - Water Works # 220000978
Monitoring Record
February 2018

Operating Data	Units	*MAC	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	Total	Average
		or Range																															
Flow rates																																	
Raw Water	10^3 M^3	17	5.26	5.23	5.28	5.29	5.34	5.20	5.10	5.37	5.14	5.27	5.46	5.08	5.26	5.22	5.04	5.43	5.30	5.33	5.13	5.14	5.22	5.19	5.20	5.22	5.43	5.07	5.23	5.19		146.62	5.24
Peak Instantaneous - Raw Water	L/s	n/a	61.53	61.50	61.53	61.51	61.39	61.42	61.39	61.38	61.37	61.41	61.44	61.28	61.26	61.30	61.36	61.21	61.13	61.16	61.17	61.08	61.11	61.17	61.15	61.13	61.07	61.12	61.03	60.94		1715.54	61.27
Treated Water	10^3 M^3	17	3.53	3.89	3.75	3.88	4.03	3.81	3.71	3.91	3.69	3.50	4.09	3.93	3.92	3.83	3.61	3.97	3.97	3.89	3.73	3.85	3.84	3.83	3.84	3.80	4.01	3.84	3.89	3.87		107.41	3.84
Peak Instantaneous - Treated Water	L/s	n/a	64.01	63.79	64.44	64.32	63.17	64.25	63.87	64.44	64.30	63.89	63.78	63.66	64.97	64.53	64.58	64.18	64.49	63.63	63.97	62.47	64.25	63.52	64.63	64.25	65.01	62.96	64.71	64.72		1794.79	64.10
BackWash Water	10^3 M^3	n/a	0.274	0.239	0.279			0.271	0.257	0.282	0.270	0.237	0.278		0.270	0.239	0.277	0.267	0.230	0.276	0.267	0.237	0.278	0.272	0.236	0.279			0.271	0.237		6.02	0.262
Fluoride Information																																	
Fluoride Residual - Treated Water	mg/l	0.5 to 0.8	0.57	0.58	0.58	0.57	0.57	0.57	0.57	0.58	0.57	0.58	0.58	0.57	0.55	0.52	0.51	0.55	0.56	0.56	0.55	0.55	0.50	0.50	0.57	0.60	0.62	0.62	0.62	0.61		15.88	0.57
Turbidity Information																																	
Raw Water	NTU	n/a	0.45	0.44	0.44	0.51	0.41	0.44	0.43	0.40	0.64	0.58	0.54	0.51	0.55	0.59	0.50	0.57	0.52	0.60	0.60	0.63	0.58	0.60	0.55	0.51	0.45	0.48	0.47	0.45		14.44	0.52
Settled Water	NTU	n/a	0.13	0.14	0.13	0.12	0.13	0.14	0.14	0.13	0.12	0.11	0.10	0.10	0.12	0.14	0.14	0.12	0.14	0.14	0.12	0.13	0.12	0.11	0.13	0.11	0.14	0.13	0.14	0.13		3.55	0.13
Treated Water	NTU	1	0.06	0.06	0.07	0.06	0.06	0.06	0.06	0.07	0.06	0.06	0.06	0.05	0.07	0.09	0.10	0.10	0.11	0.09	0.06	0.08	0.06	0.05	0.05	0.09	0.11	0.10	0.10	0.09		2.08	0.07
Other Operating Parameters																																	
pH - Treated Water	no units	6.5 to 8.5	7.18	7.21	7.16	7.16	7.12	7.15	7.14	7.19	7.15	7.22	7.26	7.24	7.21	7.22	7.25	7.14	7.19	7.25	7.28	7.15	7.24	7.23	7.20	7.21	7.20	7.22	7.18	7.12		201.47	7.20
pH - Settled water	no units	n/a	6.27	6.23	6.17	6.18	6.17	6.2	6.23	6.30	6.26	6.27	6.30	6.27	6.25	6.19	6.11	6.18	6.22	6.17	6.19	6.14	6.19	6.19	6.20	6.16	6.17	6.19	6.15	6.16		173.71	6.20
pH - Raw Water	no units	n/a	6.93	6.97	6.91	6.93	6.91	6.93	6.94	7.10	7.07	7.10	7.01	7.06	7.10	7.14	7.20	7.15	7.19	7.10	7.11	6.91	6.93	6.94	6.93	6.90	6.94	6.95	6.91	6.91		196.17	7.01
FAC - Treated Water	mg/l	0.2 to 4	2.15	2.13	2.22	2.10	2.26	2.30	2.16	2.16	2.16	2.19	2.22	2.20	2.17	2.21	2.10	2.14	2.20	2.15	1.97	2.38	2.32	2.30	2.14	2.05	1.84	1.87	2.00	2.07		60.16	2.15
Total Chlorine Residual Treated	mg/l	0.3 to 7	2.38	2.28	2.46	2.34	2.40	2.46	2.46	2.32	2.36	2.38	2.46	2.46	2.28	2.40	2.24	2.36	2.32	2.26	2.20	2.60	2.50	2.54	2.38	2.30	2.20	2.28	2.26	2.32		66.20	2.36
Temperature	C	15	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0		56.0	2.00	
Fluoride used (Total Daily Consumption)	kg	n/a	22.0	21.0	21.0	22.0	21.0	20.0	21.0	20.0	20.0	20.0	22.0	19.0	15.0		9.0	14.0	13.0	14.0	13.0	12.0	13.0	15.0	20.0	21.0	22.0	22.0	21.0	21.0		494.0	18.30
Chlorine used (Total Daily Consumption)	kg	n/a	20.0	20.0	20.0	21.0	20.0	21.0	20.0	21.0	20.0	21.0	23.0	19.0	22.0	21.0	20.0	22.0	21.0	21.0	21.0	20.0	21.0	21.0	20.0	19.0	20.0	19.0	19.0	21.0		574.0	20.50
Soda ash (Total Daily Consumption)	kg	n/a	184.1	183.1	184.8	185.2	186.9	182.0	178.5	188.0	179.9	184.5	191.1	177.8	184.1	182.7	176.4	190.1	185.5	186.6	179.6	179.9	182.7	181.7	182.0	182.7	190.1	177.5	183.1	181.7		5131.7	183.28
Soda Ash - Dosage	mg/l	n/a	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0		980.0	35.00	
Alum residual - (Total Daily Consumption)	kg	n/a	184.1	183.1	184.8	185.2	186.9	182.0	178.5	188.0	179.9	184.5	191.1	177.8	184.1	182.7	176.4	190.1	185.5	186.6	179.6	179.9	182.7	181.7	182.0	182.7	190.1	177.5	183.1	181.7		5131.7	183.28
Alum residual - Dosage	mg/l	n/a	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0		980.0	35.00	
Alum residual - Treated Water	mg/l	0.1	0.03	0.04	0.02	0.03	0.03	0.03	0.03	0.03	0.01	0.06	0.06	0.06	0.04	0.05	0.01	0.02	0.01	0.04	0.05	0.03	0.04	0.04	0.03	0.03	0.0	0.04	0.04		0.97	0.03	
Poly bags added (25 kg bags)	kg			0.5				0.5										0.5					0.5				0.5					62.5	

Flow Data FEBRUARY	Units	2016		2017		2018	
		Day of the Month		Day of the Month		Day of the Month	
Total Raw Water	m ³		147910		150010		146620
Raw Maximum Day	m ³	Monday 1st	5930	Wednesday 22nd	5640	Sunday 11th	5460
Raw Minimum Day	m ³	Tuesday 16th	4900	Monday 27th	4300	Thursday 15th	5040
Raw Average Daily Consumption	m ³		5100		5360		5240
Total Treated Water	m ³		110250		103680		107410
Treated Water Maximum Day Consumption	m ³	Monday 29th	4190	Sunday 26th	4300	Sunday 11th	4090
Treated Water Minimum Day Consumption	m ³	Saturday 20th	3590	Tuesday 21st	3350	Saturday 10th	3500
Treated Water Average Day Consumption	m ³		3800		3700		3840
Daily Average Per Household Consumption Rate	m ³		1.004		0.978		1.015
* Daily Average Per Person Consumption Rate	m ³		0.476		0.463		0.481
Monthly Averages - Operating Parameters WTP:							
FAC Residual - Treated Water	mg/L		2.19		2.15		2.15
Total Chlorine Residual - Treated Water	mg/L		2.41		2.34		2.36
Aluminum Sulphate - Raw Water	mg/L		35.0		35.0		35.0
Aluminum Sulphate - Treated Water Residual	mg/L		0.05		0.05		0.03
Fluoride - Treated Water	mg/L		0.60		0.56		0.57
Soda Ash - Raw Water	mg/L		35.0		35.0		35.0
PH - Adjusted	mg/L		7.25		7.19		7.20
Temperature	C		2.38		2.68		2.0
Quantity of Chemical Used:	kg						
Aluminum Sulphate	kg		5176.9		5099.9		5131.7
Polyelectrolyte	kg		50.0		75.0		62.5
Chlorine Gas	kg		567		571		574
Soda Ash - Used for PH Adjustment	kg		5176.9		5099.9		5131.7
Fluoride	kg		446		467		494

* The Canadian Average is 450 Litres (0.45 m³) per day.

* Population is 7986

* Number of Households is 3783

April 18, 2018

Report To: Mayor & Council

From: Travis Rob, Manager of Operations & Facilities

SUBJECT: March 2018 Drinking Water Systems Monthly Summary Report

Please find attached the March 2018 Summary Report on the drinking water systems, prepared by Randy White, Senior WTP Operator.

Your Administration recommends that Operations & Facilities Executive Committee accept the March 2018 report as presented.

Respectfully submitted,
Operations & Facilities Division

Travis Rob, E.I.T.
Manager of Operations & Facilities

Council approval of this report will accept the March 2018 report prior to it being made available to the general public.
--

c.c. – Doug Herr, Environmental & Facilities Supt.
Randy White, Senior WTP Operator

03CouncilwaterreportMarch 2015

March, 2018

**Monthly Summary Report
Water Systems**

**Prepared by: Randy White, ORO
Senior Water Treatment Plant Operator**

Dated: April 9, 2018

1) **Introduction:**

This report contains the major maintenance activities and operational events that occurred during the month of March 2018 at the Water Treatment Plant - Water Works # 220000978 and the Airport Groundwater Well Water Works No. 849N7DGE0 (Precedes Airport Groundwater Well Water Works No. 26002736). This information report has been prepared for Council to better understand how the water systems they own and operate are maintained on a monthly basis. Also, this report will assist Council as Directors of the Corporation in exercising its obligation to meet a reasonable Standard of Care as outlined in Section 19 of the Safe Drinking Water Act.

A NEW drinking water system at the Airport was put into service August 01, 2017. The system is classified as a Small Drinking Water System, System No. 849N7DGE0 which falls under the requirements of Ontario Regulation 319/08 – Small Drinking Water Systems. The old drinking water system, Airport Groundwater Well Water Works # 26002736 has been decommissioned.

2) **Flow Data:**

Water Treatment Plant: See attached spreadsheet.

Airport Groundwater Well – Raw water flow data: **54.8** m3 as of April 05, 2018. (4.8 m3 used in March).

3) **Microbiological (Health Related) Water Analysis - Main Water System No. 220000978:**

Water Treatment Plant (treated): 4 samples taken no adverse results

Water Treatment Plant (raw): 4 samples taken no adverse results

Water Distribution System: 16 samples taken where 25% of samples were tested for heterotrophic plate count (HPC) - no adverse results.

We take microbiological samples on a weekly basis, which includes 1 raw sample, 1 treated sample and 4 distribution samples. The 4 distribution samples are taken at different locations throughout the distribution system.

Water distribution samples taken at the following locations:

- | | | | |
|----------------------|------------------------|-----------------------|--------------|
| 1. 1111 First St. E. | 2. 1104 Church St. | 3. 1036 Victoria Ave. | 4. W. Tower |
| 5. 523 Church St. | 6. 1103 Victoria Ave. | 7. 800 Fifth St. W. | 8. W. Tower |
| 9. 740 Scott St. | 10. 1036 Victoria Ave. | 11. 901 Wright Ave. | 12. W. Tower |
| 13. 740 Scott St. | 14. 901 Wright Ave. | 15. 810 King's Hwy. | 16. W. Tower |

4) Microbiological (Health Related) Water Analysis - Airport Groundwater Well No. 849N7DGE0:

New drinking water system put on line August 01, 2017. No treatment required as the Airport groundwater tested negative for bacteria.

The Airport drinking water system is to be sampled and tested for bacteria once every three (3) months in accordance with Section 25 – Microbiological Sampling and Testing of the Small Drinking Water Systems Regulation, O. Reg. 319/08.

Water distribution sample taken January 15, 2018 – no adverse results.

5) Free Available Chlorine Residual (FAC) - Main Water System No. 220000978:

FAC residuals are taken at a minimum daily at both the Water Treatment Plant and within the Water Distribution System.

6) Free Available Chlorine Residual (FAC) - Airport Groundwater Well System No. 849N7DGE0:

New drinking water system put on line August 01, 2017. No treatment required as the Airport groundwater well tested negative for bacteria.

7) Maintenance Activities at the WTP:

Mar. 01st - cleaned top and bottom tanks on the poly unit.
- cleaned all four (4) check valves on the poly unit.

Mar. 04th - installed a new poly pump line from the pump to the clarifier.

Mar. 07th - installed new filters in the dust collector.

Mar. 08th - calibrated the Distribution Chlorine Analyzer.

Mar. 09th - repaired the chlorine tonner hoist.

Mar. 13th - changed the sensor on Filter No. 4 Turbidity Meter.

Mar. 16th - calibrated the Distribution Chlorine Analyzer.

Mar. 23rd - calibrated all the Filter Turbidity Meters.

Mar. 24th - worked on Filter No. 1 Turbidity Meters.

Mar. 29th - cleaned top and bottom tanks on the poly unit.
- cleaned all four (4) check valves on the poly unit.
- ran standby generator for one (1) hour.

8) **Water Complaints:**

- Poor Pressure – 0 complaints:
- Water quality – 0 complaints:

9) **Other Miscellaneous Information:**

Mar. 05th - took weekly routine micro samples.

Mar. 06th - took total suspended solid (T.S.S.) samples off the filters.

Mar. 08th - QMS meeting.
- WHMIS Training.

Mar. 12th - received a shipment of soda ash.
- took weekly routine micro samples.

Mar. 19th - Training course “O & M of Water Distribution Systems”. Put on by the Keewaytinook Centre of Excellence at the Nanicost Building on Couchiching F.N.

Mar. 20th - Training course “O & M of Water Distribution Systems”. Put on by the Keewaytinook Centre of Excellence at the Nanicost Building on Couchiching F.N.

Mar. 21st - Training course “O & M of Water Distribution Systems”. Put on by the Keewaytinook Centre of Excellence at the Nanicost Building on Couchiching F.N.

Mar. 26th - took weekly routine micro samples.
- water service repair at 615/618 Second St. E. - micro samples.
- Municipal Lead Testing Program

Mar. 27th - Municipal Lead Testing Program.

Mar. 28th - Municipal Lead Testing Program.

10) In order to acknowledge that all levels of responsibility within the Corporation of the Town of Fort Frances have received and reviewed this monthly report, it is necessary to sign-off in the appropriate location below:

- Randy White, ORO, Senior WTP Operator: _____
- Doug Herr, Environmental & Facilities Supt.: _____
- Travis Rob, Manager of Operations & Facilities: _____
- Doug Brown, CAO: _____
- Paul Ryan, Chair O& F Exec Committee: _____
- Roy Avis, Mayor: _____
- June Caul, Councillor: _____
- John Albanese, Councillor: _____
- Wendy Brunetta, Councillor: _____
- Doug Kitowski, Councillor: _____
- Ken Perry, Councillor: _____

Note: Once all signatures have been obtained, the report will be distributed and made available to the public. If you have any questions, please feel free to contact myself or Randy White, Senior WTP Operator at 274-2325.

Monthly Report March 2018

Town of Fort Frances - Water treatment Plant - Water Works # 220000978
Monitoring Record
March 2018

Operating Data	Units	*MAC	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total	Average
		or Range																																	
Flow rates																																			
Raw Water	10^3 M^3	17	5.12	5.25	5.01	5.39	5.24	5.24	5.19	5.15	5.18	5.43	5.17	4.80	5.08	5.29	5.06	5.30	5.08	5.19	5.04	5.08	5.16	5.44	5.17	4.90	5.47	5.15	5.19	5.20	5.09	5.20	5.17	160.43	5.18
Peak Instantaneous - Raw Water	L/s	n/a	61.00	60.94	60.93	60.89	60.79	60.87	60.73	60.74	60.79	60.80	60.68	60.69	60.65	60.64	60.55	60.56	60.56	60.61	60.64	60.60	60.57	60.56	60.57	60.50	60.49	60.52	60.45	60.41	60.45	60.46	60.43	1880.07	60.65
Treated Water	10^3 M^3	17	3.82	4.04	3.86	4.22	4.20	4.25	4.20	4.15	4.25	4.49	3.92	3.90	3.81	4.39	3.98	3.92	4.00	4.16	4.12	3.86	3.89	4.03	4.05	3.17	4.64	4.01	4.00	3.65	3.91	3.91	4.00	124.80	4.03
Peak Instantaneous - Treated Water	L/s	n/a	64.26	64.24	64.77	63.63	63.76	83.87	83.14	82.30	82.99	82.94	82.59	80.32	81.37	79.98	81.80	81.41	80.71	83.95	80.59	84.99	63.28	64.94	64.87	64.27	63.35	63.25	65.80	64.46	64.88	64.53	62.89	2260.13	72.91
BackWash Water	10^3 M^3	n/a	0.276	0.273	0.239	0.276	0.271	0.242	0.270	0.273		0.239	0.274	0.271		0.276	0.238	0.268	0.236			0.277	0.269	0.239	0.276	0.237	0.272		0.277	0.270	0.240	0.275	0.270	6.824	0.262
Fluoride Information																																			
Fluoride Residual - Treated Water	mg/l	0.5 to 0.8	0.62	0.63	0.62	0.63	0.62	0.63	0.62	0.63	0.62	0.60	0.57	0.59	0.58	0.58	0.58	0.58	0.59	0.58	0.56	0.56	0.55	0.56	0.56	0.55	0.57	0.61	0.64	0.64	0.65	0.64	0.60	18.56	0.60
Turbidity Information																																			
Raw Water	NTU	n/a	0.41	0.44	0.51	0.48	0.45	0.44	0.47	0.47	0.47	0.41	0.44	0.43	0.41	0.43	0.51	0.44	0.42	0.45	0.44	0.56	0.49	0.44	0.51	0.44	0.49	0.45	0.46	0.49	0.44	0.41	0.40	14.10	0.45
Settled Water	NTU	n/a	0.16	0.16	0.14	0.12	0.12	0.14	0.13	0.14	0.15	0.16	0.12	0.19	0.19	0.17	0.16	0.16	0.15	0.15	0.14	0.12	0.10	0.12	0.11	0.10	0.10	0.11	0.12	0.10	0.10	0.12	0.14	4.19	0.14
Treated Water	NTU	1	0.06	0.07	0.06	0.06	0.05	0.06	0.05	0.05	0.06	0.09	0.09	0.12	0.15	0.14	0.14	0.13	0.13	0.12	0.09	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.07	0.08	0.07	0.09	0.11	2.70	0.09
Other Operating Parameters																																			
pH - Treated Water	no units	6.5 to 8.5	7.26	7.23	7.24	7.27	7.00	7.08	7.14	7.15	7.08	7.10	7.21	7.14	7.07	7.11	7.18	7.17	7.16	7.17	7.19	7.22	7.27	7.15	7.20	7.26	7.27	7.15	7.07	7.10	7.09	7.15	7.19	222.07	7.16
pH - Settled water	no units	n/a	6.30	6.28	6.34	6.31	6.11	6.14	6.12	6.17	6.18	6.21	6.37	6.18	6.12	6.14	6.12	6.15	6.13	6.14	6.15	6.26	6.20	6.18	6.16	6.19	6.13	6.15	6.08	6.13	6.05	6.17	6.21	191.57	6.18
pH - Raw Water	no units	n/a	6.99	6.96	6.92	6.92	6.93	6.97	6.94	6.96	6.98	7.01	7.09	6.92	6.93	6.97	6.94	6.98	6.96	7.00	6.99	7.06	7.02	6.96	6.99	7.03	7.00	6.96	7.08	6.94	6.99	7.01	7.05	216.45	6.98
FAC - Treated Water	mg/l	0.2 to 4	2.13	2.20	2.11	2.10	2.30	2.10	2.17	2.08	2.15	2.27	1.96	2.29	2.15	2.18	2.17	2.12	2.15	2.10	2.22	2.16	2.16	2.18	2.14	2.16	2.18	2.15	2.20	2.13	2.09	1.93	2.22	66.65	2.15
Total Chlorine Residual Treated	mg/l	0.3 to 7	2.28	2.40	2.26	2.28	2.52	2.32	2.50	2.42	2.40	2.46	2.20	2.44	2.46	2.34	2.40	2.36	2.50	2.34	2.52	2.32	2.30	2.48	2.36	2.42	2.44	2.42	2.40	2.32	2.38	2.20	2.44	73.88	2.38
Temperature	C	15	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	62.0	2.0	
Fluoride used (Total Daily Consumption)	kg	n/a	20.0	22.0	20.0	21.0	21.0	21.0	19.0	20.0	15.0	15.0	13.0	12.0	12.0	13.0	12.0	13.0	12.0	13.0	11.0	12.0	12.0	11.0	12.0	11.0	16.0	20.0	22.0	21.0	21.0	21.0	20.0	504.0	16.3
Chlorine used (Total Daily Consumption)	kg	n/a	20.0	20.0	19.0	21.0	20.0	20.0	20.0	20.0	20.0	21.0	20.0	18.0	19.0	21.0	19.0	21.0	19.0	19.0	20.0	19.0	20.0	21.0	20.0	19.0	21.0	19.0	20.0	20.0	19.0	20.0	20.0	615.0	19.8
Soda ash (Total Daily Consumption)	kg	n/a	179.2	183.8	175.4	188.7	183.4	183.4	181.7	180.3	181.3	190.1	181.0	168.0	177.8	185.2	177.1	185.5	177.8	181.7	176.4	177.8	180.6	190.4	181.0	171.5	191.5	180.3	181.7	182.0	178.2	182.0	181.0	5615.1	181.1
Soda Ash - Dosage	mg/l	n/a	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	1085.0	35.0
Alum residual - (Total Daily Consumption)	kg	n/a	179.2	183.8	175.4	188.7	183.4	183.4	181.7	180.3	181.3	190.1	181.0	168.0	177.8	185.2	177.1	185.5	177.8	181.7	176.4	177.8	180.6	190.4	181.0	171.5	191.5	180.3	181.7	182.0	178.2	182.0	181.0	5615.1	181.1
Alum residual - Dosage	mg/l	n/a	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	1085.0	35.0
Alum residual - Treated Water	mg/l	0.1	0.02	0.03	0.01	0.04	0.04	0.04	0.03	0.03	0.03	0.04	0.04	0.08	0.04	0.04	0.05	0.04	0.04	0.04	0.05	0.02	0.01	0.04	0.02	0.01	0.01	0.04	0.03	0.02	0.03	0.04	0.04	1.04	0.03
Poly bags added (25 kg bags)	kg		1.0														0.5					0.5						0.5		0.5			75.0		

Flow and Operating Data

Flow Data	MARCH	Units	2016		2017		2018	
			Day of the Month		Day of the Month		Day of the Month	
Total Raw Water	m ³			156060		171720		160430
Raw Maximum Day	m ³	Friday 25th		5200	Sunday 19th	5760	Sunday 25th	5470
Raw Minimum Day	m ³	Saturday 26th		4500	Saturday 04th	5280	Monday 12th	4800
Raw Average Daily Consumption	m ³			5030		5540		5180
* Daily Instantaneous Peak Flow	L/min.							
Total Treated Water	m ³			118060		113560		124800
Treated Water Maximim Day Consumption	m ³	Friday 04th		5040	Friday 31st	4600	Sunday 25th	4640
Treated Water Minimim Day Consumption	m ³	Sat. 12th & Sun. 27th		3540	Thursday 23rd	2950	Saturday 24th	3170
Treated Water Average Day Consumption	m ³			3810		3660		4030
Daily Average Per Household Consumption Rate	m ³			1.01		0.97		1.07
* Daily Average Per Person Consumption Rate	m ³			0.48		0.46		0.50
Monthly Averages - Operating Parameters WTP:								
FAC Residual - Treated Water	mg/L			2.16		2.22		2.15
Total Chlorine Residual - Treated Water	mg/L			2.46		2.41		2.38
Aluminum Sulphate - Raw Water	mg/L			35.0		35.0		35.0
Aluminum Sulphate - Treated Water Residual	mg/L			0.05		0.05		0.03
Fluoride - Treated Water	mg/L			0.64		0.56		0.60
Soda Ash - Raw Water	mg/L			35.0		35.0		35.0
PH - Adjusted	mg/L			7.27		7.20		7.16
Temperature	C			3.1		2.4		2.0
Quantity of Chemical Used:								
Aluminum Sulphate	kg			5462.1		6010.2		5615.1
Polyelectrolyte	kg			62.5		62.5		75.0
Chlorine Gas	kg			624		674		615
Soda Ash - Used for PH Adjustment	kg			5462.1		6010.2		5615.1
Fluoride	kg			549		580		504

- * The Canadian Average is 450 Litres (0.45 m³) per day.
- * Population is 7986
- * Number of Households is 3783

April 10, 2018

Town of Fort Frances
320 Portage Avenue
Fort Frances Ontario
P9A 3M5

Attention: Mr. Doug Herr
Environmental and Facilities Superintendent

Dear Doug:

**Re: Fort Frances Wastewater Treatment Facility
March 2018 Monthly Report**

As per the operating agreement, the attached document is the March 2018 monthly report for the Fort Frances Wastewater Treatment Facility.

The report highlights the influent and effluent quality and the process parameters. Additionally, the routine operation and maintenance activities conducted by the operators are summarized.

If you have any questions regarding this report do not hesitate to contact Mr. Larry Wachter – Sr. Operations Manager.

Yours truly,



Kelly Cunningham
Team Lead

For Larry Wachter
Sr. Operations Manager

**The Corporation of the Town of Fort Frances
Wastewater Treatment Plant
(Sewage Plant)
March 2018 Monthly Operations Report**

INTRODUCTION

In accordance with the Agreement between the Ontario Clean Water Agency (Operating Authority) and the Town of Fort Frances, the Fort Frances Sewage Treatment Plant is required to prepare a monthly report. This document covers the reporting month of March 2018; the facility performance report summarizes important information regarding the quality of the effluent, wastewater, analytical test results, maintenance operations, and relevant activities of the WWTP.

DESCRIPTION OF WORKS

Capacity of Works	9000 m ³ /day (average flow)
Service Area	Town of Fort Frances and Couchiching Reserve
Service Population	9000
Effluent Receiver	Rainy River
Major Process	Secondary treatment facility complete with a phosphorus removal system; ultra violet disinfection; aerobic sludge stabilization and dewatering

The Fort Frances Sewage Treatment Plant operates under *Environmental Compliance Approval Number 6786-A44PWG*. The ECA outlines the terms and conditions, and the report captures these terms and conditions in the following sections.

LABORATORY

ALS Laboratory Group – Thunder Bay is contracted to conduct the required analytical tests of the influent (raw) and effluent samples; weekly requirement.

MARCH 2018 EFFLUENT QUALITY

<i>Parameters</i>	<i>Monthly Actual Concentration mg/L</i>	<i>Compliance Criteria Concentration mg/L</i>	<i>Performance Objective Concentration mg/L</i>	<i>Monthly Actual Loading, kg/d</i>	<i>Compliance Criteria Loading kg/d</i>	<i>Performance Objective Loading kg/d</i>
CBOD ₅	3.1 mg/L	25 mg/L	15 mg/L	16.7 kg/d	225 kg/d	135 kg/d
Total Suspended Solids	7.6 mg/L	25 mg/L	15 mg/L	41.4 kg/d	225 kg/d	135 kg/d
Total Phosphorus	0.16 mg/L	1.0 mg/L	0.9 mg/L	0.86 kg/d	9 kg/d	8.1 kg/d
Total Nitrogen Nitrate Nitrogen	12.6 mg/L 3.42 mg/L					
Total Cl ₂ Residual		<0.01 mg/L (when in use)				
E-Coli		14.1 count/100 ml (geometric mean)		200 count/100ml (geometric mean)		E-coli not to exceed 150 organisms/100ml (monthly geometric mean density)
pH				pH range 6.9 to 7.5; average pH was 7.2		
Temperature degrees C				Temperatures ranged from 7.5 to 8.0 C; average temperature of effluent was 7.9 C		

Compliance criteria are mandatory requirements of the ECA and performance objectives are a goal to be achieved using best reasonable efforts.

WASTEWATER LIQUID PROCESS

The average daily flow for March was 5409.9 m³/day. This represents 60% of the design average flow. Total treated flow for the month was 167707 m³.

The Fort Frances WWTP met all effluent compliance criteria for the parameters listed above and additionally was well within the recommended more stringent monthly performance objective levels as outlined in the Environmental Compliance Approval.

**The Town of Fort Frances accepted an additional 163.7 m³ of sewage from the New Gold mine site into the collection system in March. Dates of discharge and lab analysis has not been provided.

INVENTORY

Chemical	End of Month Status	Units
Hypochlorite	980 +/- @ 8.0% +3x205 L @ 12%	Liters
Alum	10.2 +/- @ 55 %	Cubic meters
Polymer	1 x 205 L drums	Liters

MAINTENANCE

The operators performed the routine operations and maintenance at the treatment plant and pumping stations. The activities are highlighted as follows and a summary will be included:

Treatment Plant:

- Alternated lead/lag pumps
- Adjusted fluidizing water to head cell and grit snail as needed
- Greased all blowers
- Regular cleaning of head works EW basket strainer
- Greased Grit Snail and lubricated drive chain
- Monthly inspection of spiral screen access hatch, removed wrapped debris
- Weekly manifold wash on the Fournier press
- Cleaned DO probes
- Drained and inspected teacup
- Replaced belts exhaust fans EF 01 and EF 02
- Pulled main building sump pump 2
- Replaced belts blower 4
- Greased flocculator seal bearing
- Pumped out digester sump pit

Pump Stations:

- Ran gensets
- Changed seal water strainers
- Pulled and cleaned Pump 1 at Central Avenue lift station
- Installed rebuilt pump 2 at Central Avenue lift station
- Pulled pump 3 at Fifth Street lift station and sent out for repair

PROCESS AND OPTIMIZATION ISSUES

We would like a Fournier press technician to come back to complete optimization as the polymer water booster pump has been installed and 18% TS cake has not been produced.

SLUDGE SUMMARY

Asselin Storage and Transportation Limited hauled a calculated total of 95.0 m³ (9 bins) of thickened digested sludge to the Town of Fort Frances landfill site. The hauled sludge averaged 17.3 % TS for the month which is under the 18% guideline and slump test results from the landfill have not been provided.

COMPLAINTS

There were no complaints during the report period.

BYPASS/OVERFLOW REPORT(S)

There were no bypass or overflow events during the reporting period.

COMMENTS

Plant power consumption for the month was 605 (x 180 multiplier) kWh.
The Town has asked Associated Engineering to arrange for a Fournier press technician to come back to complete optimization as the polymer water booster pump has been installed and 18% TS cake has not been produced.

REPORTS

ALS – Environmental Analytical Reports (on-file at plant)
Fort Frances WPCP Equipment Run Time Report (on-file at plant)
Bypass Report (on-file at plant as per occurrence)
Incident Report (on-file at plant as per occurrence)

Month	Sewage Flows Year 2018					Usage	Calculated	Sludge	Removal Efficiency	
	Avg. Day	Max Day	Total	Total	Total	% Plant	Volume	Bins	CBOD5 0.972109057	
	Flow	Flow	Treated	ByPass	Volume	Capacity	Hauled	Hauled	Suspended Solids 0.956975506	
	m3	m3	Volume ML	Volume ML	ML		M3		Total Phosphorus 0.932844933	
January	5458.1	5955	169201		169201	61%	128.9	13		
February	5267.8	5685	147497		147497	59%	108.3	11		
March	5409.9	6024	167707		167707	60%	95.0	9		
April						0%				
May						0%				
June						0%				
July						0%				
August						0%				
September						0%				
October						0%				
November						0%				
December						0%				
Sum				0	484405		332.2	33		
Average	5379		161468		161468	60%	110.7	11.0		
Max		6024	169201		169201			13		
C of A	9000	18000								

	BOD5/CBOD5			Suspended Solids			Total Phosphorus			Nitrogen		E. Coli
	Avg. Raw	Avg. Eff.	Avg. Load	Avg. Raw	Avg. Eff.	Avg. Load	Avg. Raw	Avg. Eff.	Avg. Load	Avg. Raw	Avg. Eff.	Geo Mean
	BOD	CBOD	CBOD	S.S	S.S	S.S	T.P	T.P	T.P	TKN	Total N	Counts
	(mg/L)	(mg/L)	(kg/day)	(mg/L)	(mg/L)	(kg/day)	(mg/L)	(mg/L)	(kg/day)	(mg/L)	(mg/L)	/100ml
January	102.6	3.3	18.1	155.8	6.4	34.8	2.64	0.22	1.19	19.4	8.1	69.5
February	112.0	2.5	13.0	157.2	6.2	32.5	2.82	0.17	0.87	21.8	11.1	14.1
March	104.5	3.1	16.7	156.5	7.6	41.4	2.73	0.16	0.86	19.1	12.6	14.1
April												
May												
June												
July												
August												
September												
October												
November												
December												
Average	106.4	3.0	15.9	156.5	6.7	36.2	2.7	0.18	0.97	20.1	10.6	32.6
Max	112	3.3	18.1	157.2	7.6	41.4	2.8	0.22	1.19	21.8	12.6	69.5
C of A		25	225		25	225		1.0	9.0	200	6.0	200

Workorder Summary Report

Report Start Date: Feb 1, 2018 12:00 AM

Report End Date: Feb 28, 2018 11:59 PM

Location: 1103*

Work Order Type: ADMIN,CALL,CAP,CORR,EMER,OPER,PM

Work Order Class:

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
664493	0000227429	PUMP CENT VERTICAL NON CLOG SEWAGE #3 P3 FIFTH ST	1103, 5th St. Pumping Station, Process	CALL	REFURBISH/REPLACE/REPAIR	0		Fifth Street Pump Fail Alarm 1103	COMP		2/21/18 10:15 PM	2/22/18 02:15 AM	Fifth Street Pump Fail Alarm -I arrived at the lift station to find no issues so I reset the main beakers and pump resets. I then pumped all three pumps on hand and watched one cycle. All was good.
664577	0000227429	PUMP CENT VERTICAL NON CLOG SEWAGE #3 P3 FIFTH ST	1103, 5th St. Pumping Station, Process	CALL	REFURBISH/REPLACE/REPAIR	0		Fifth Street Pump Fail Alarm 1103	COMP		2/22/18 08:45 PM	2/22/18 09:45 PM	Fifth Street Pump Fail Alarm -I arrived at the lift station to find all pumps to be functioning fine. I reset all pumps then pumped each on hand to find all to be normal. I then powered down the PLC for a reboot and repowered after one minute and it repowered fine. After returning to the plant and watching a few pump cycles and looking at SCADA trending nothing stood out .

Workorder Summary Report

Report Start Date: Feb 1, 2018 12:00 AM

Report End Date: Feb 28, 2018 11:59 PM

Location: 1103*

Work Order Type: ADMIN,CALL,CAP,CORR,EMER,OPER,PM

Work Order Class:

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
664677			1103, Fort Frances WPCP, Facility, Power Distribution	CAP	REFURBISH/ REPLACE/ REPAIR	0		Plant power failure call in	COMP		2/25/18 02:50 AM	2/25/18 06:00 AM	Plant power failure call in - I was called by the auto dialer for a plant power failure at 0250 hours. I called communique Action and drove to the plant, arriving at 0335. I reset the phase loss protection, reset power and brought all equipment back on line. While monitoring plant process and acknowledging alarms I noted that the generator at Central Avenue lift station was still running. I drove to the station to check on the situation and found that a Fort Frances Power Corporation crew and the fire department were onsite as there had been a fire on the pole feeding power to the station. After speaking to the crew it became obvious that it could be many hours before power was restored so I called our fuel supplier to top up the generator fuel tank. I left messages with Doug Herr from the town and Larry Wachter and also spoke to Brad McMahon about the power situation. Power was restored by end of normal day shift.
658018			1103, Fort Frances WPCP	OPER	COMPLIANCE	1	MONTHS	WISKI Review (1m) 1103	COMP	2/1/18 12:00 AM	3/9/18 08:17 AM	3/9/18 08:17 AM	
657982	0000227376	PANEL ALARM/ DIALER	1103, Fort Frances WPCP, Process, Process Control & Monitoring	PM	INSPECTION	1	MONTHS	Critical Alarm/Dialer Testing (1m) 1103	COMP	2/1/18 12:00 AM	2/19/18 10:00 AM	2/19/18 11:21 AM	We test alarm daily -We test alarm daily.
657986			1103, Fort Frances WPCP	PM	REFURBISH/ REPLACE/ REPAIR	1	MONTHS	Diesel Gensets Inspection/ Functional Tests (1m) 1103	COMP	2/1/18 12:00 AM	2/16/18 08:48 AM	2/16/18 08:48 AM	Diesel Gensets Inspection/ Functional Tests (1m) 1103 -Exercised gensets. Fluids good.
658002			1103, Fort Frances WPCP	PM	HEALTH AND SAFETY	1	MONTHS	Health And Safety Inspection (1m) 1103	COMP	2/1/18 12:00 AM	2/19/18 08:30 AM	2/19/18 09:30 AM	Monthly H&S -Still outstanding construction issues.
658013			1103, Fort Frances WPCP	PM	INSPECTION	1	MONTHS	TPM Inspection/Maintenance (1m) 1103	COMP	2/1/18 12:00 AM	3/5/18 07:56 AM	3/5/18 07:56 AM	

Workorder Summary Report

Report Start Date: Feb 1, 2018 12:00 AM

Report End Date: Feb 28, 2018 11:59 PM

Location: 1103*

Work Order Type: ADMIN,CALL,CAP,CORR,EMER,OPER,PM

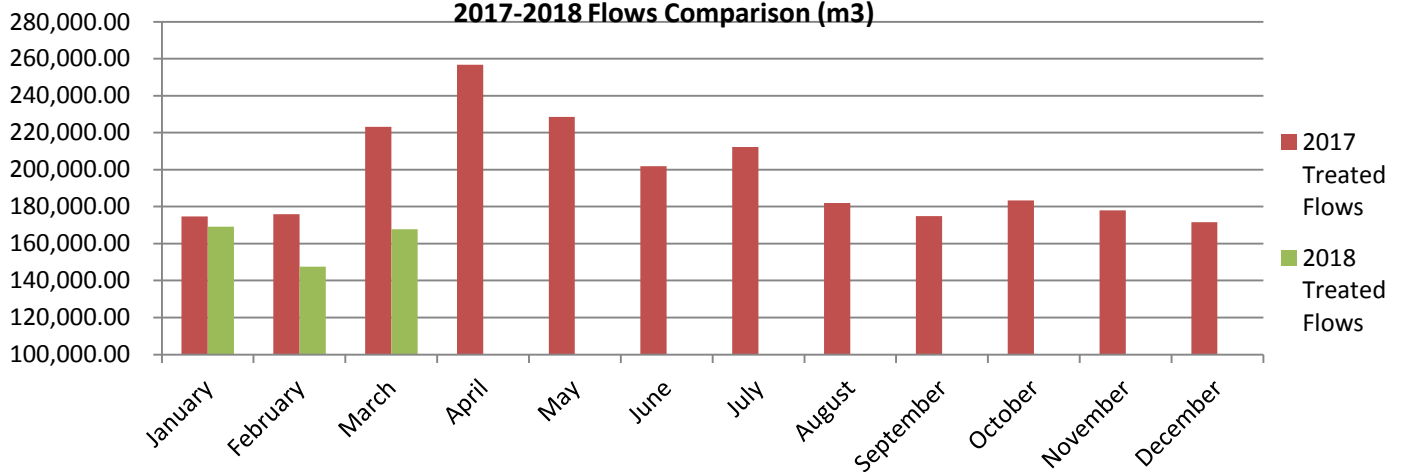
Work Order Class:

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
658387			1103, Fort Frances WPCP	PM	INSPECTION	1	MONTHS	Blowers/Motors Inspection/Service (1m/3m) 1103	COMP	2/1/18 12:00 AM	2/18/18 12:15 PM	2/18/18 01:15 PM	Monthly Blowers -Changed oil in blowers 3 & 4 and checked air filters.
658395	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	2/1/18 12:00 AM	3/5/18 07:47 AM	3/5/18 07:47 AM	Drain/Inspect teacup and snail -There was no debris in the snail when inspected. Lubrication and tensioning of drive chain was completed on February 16th.

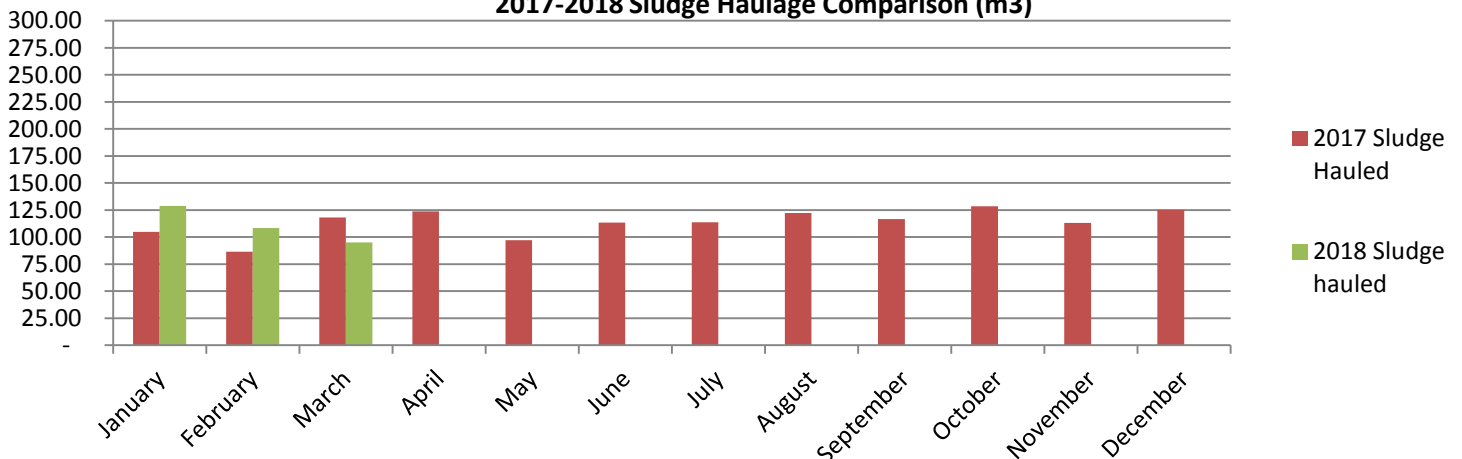
2017-2018 Comparison Chart

Month	2017 Treated Sewage	2018 Treated Sewage	% Variance 2017 to 2018	2017 Hauled Sludge	2018 Hauled Sludge	% Variance 2017 to 2018
	m3	m3	m3	m3 (calculated)	m3 (calculated)	m3
January	174,745.00	169,201.00	-3%	104.90	128.90	23%
February	175,956.00	147,497.00	-19%	86.50	108.30	25%
March	223,183.00	167,707.00	-33%	118.10	95.00	-20%
April	256,759.00			123.70		
May	228,551.00			97.20		
June	201,914.00			113.50		
July	212,264.00			113.80		
August	181,956.00			122.20		
September	174,796.00			116.50		
October	183,450.00			128.50		
November	177,999.00			113.10		
December	171,598.00			125.10		
Totals	2,363,171.00	484,405.00	-388%	1,363.10	332.20	-76%

2017-2018 Flows Comparison (m3)



2017-2018 Sludge Haulage Comparison (m3)



TOWN OF FORT FRANCES
Operations and Facilities Division - Environmental Area - Operations Statistics
(January 2018)

STAFFING:

See Operations Statistics (January) 2018 prepared by M. Strachan, Superintendent of Transportation

OVERTIME HOURS - Equivalent Straight Time Hours

See Operations Statistics (January) 2018 prepared by M. Strachan, Superintendent of Transportation

WATER DISTRIBUTION:

Water Main Breaks:

- Number of water main breaks: One (1)
- Intersection of Church St. at Mosher Ave.

Hydrant Repairs:

- Number of hydrant repairs: None

Hydrant Replacements:

- Number of hydrant replacements: None

Hydrant Installations (NEW):

- Number of new hydrant installations: None

Main Valve Repairs:

- Number of water main valve repairs: None

Water Service Breaks:

- Number of water service breaks: None

Water Service Repairs:

- Number of water service repairs: None

Main Valve Replacements:

- Number of main valve replacements: None

Water Service Turn "Off/On":

- Number of water service turn "Off/On": Sixteen (16)
 - 812 Nelson St., 828 Victoria Ave., 508 Front St. (2), 1140 First St. E. (2), 1315 Emo Rd. (2),
 - 1702 Colonization Rd. W., 8 Armstrong Pl., 413 Crowe Ave. (2), 937 Banta Blvd. (2), 629 Nelson St.
 - and 631 Nelson St.

Frozen Water Services:

- Number of frozen water services: One (1)
 - 415 Third St. E.

Water Meter Repairss:

- Number of water meter installations/replacements: One (1)
- 1230 Second St. E.

Water Meter Installations/Replacements:

- Number of water meter installations/replacements: None

Backflow Preventer Installations/Replacements:

- Number of backflow preventer installations/replacements: None

Backflow Prevention - Testing:

- Number of backflow preventers tested: Two (2)
- 851 McIrvine Rd., 210 Third St. E.

Other Information:

- Replaced damaged fire hydrant markers
- January 22 - 26, 2018 - J. Bruyere and L. Carmody attended a Water Treatment and Distribution I-II-III course (Class 2 and Class 1, respectively) at the Keewaytinook Centre in Dryden.

WATER TREATMENT PLANT:

- January 2018 - In receipt of the Water Treatment Plant Monthly Report.
- January 22 - 23, 2018 - Ministry of the Environment and Climate Change (MOECC) inspection (Focused Inspection).

SEWERAGE COLLECTION:

Wastewater Main Backups:

- Number of wastewater main backup: None

Sewer Manhole Repairs:

- Number of sewer manhole repairs: None

Sewer Service Breaks:

- Number of sewer service repairs: None

Sewer Service Repairs:

- Number of sewer service repairs: None

Other Information:

- Summarized final costs for invoicing of private works associated with private works
- Televised the sanitary sewer service for the Owners at these locations: 396 Scott St.
- Cleaned Twenty-two (22) plugged sewer services at the following locations:
 - 1375 Colonization Rd. W., 411 Mosher Ave., 1123 Scott St., 1113 Fifth St. E., 614 Second St. E. (2), 610 Second St. W., 514 Central Ave., 316 Armit Ave., 561 Elm Ave., 1210 Fifth St. E., 1024 Colonization Rd. W. (2), 1003 First St. E., 314 First St. E., 200 Sixth St. E., 559 Church St., 418 Second St. E., 396 Scott St., 1017 Second St. E., 1146 Fourth St. E. and 1013 Second St. E.

WASTE-WATER TREATMENT FACILITY:

- January, 2018 - Received the Wastewater Treatment Facility Monthly Report.

WASTE MANAGEMENT:

Garbage Collection:

- Number of complaints regarding garbage collection:
 - Town - 0 complaints, Asselin's - 0 complaints

Sanitary Landfill (Waste Disposal Site):

Landfill Scales functioning properly during this period.

- Amount of residential waste delivered to the landfill:
 - 139,640 kgs (139.64 tonnes)
- Amount of ICI waste delivered to the landfill:
 - 345,270 kgs (345.27 tonnes)

- January 8, 2018 - Jon Galbraith, CANNECT Electric checked the weigh scales for electrical issues?
Determined the issue to be a load cell. Scale still functioning fine.

Recycling:

- Number of complaints regarding recycled materials:
 - Town - 0 complaints, Asselin's - 0 complaints
- Amount of recycled waste diverted from the landfill:
 - Emterra - No data

Prepared By: _____

Environmental & Facilities Superintendent

Date: _____

Operations and Facilities Division - Environmental Area - Operations Statistics (February 2018)

STAFFING:

See Operations Statistics (February) 2018 prepared by M. Strachan, Superintendent of Transportation

OVERTIME HOURS - Equivalent Straight Time Hours

See Operations Statistics (February) 2018 prepared by M. Strachan, Superintendent of Transportation

WATER DISTRIBUTION:

Water Main Breaks:

- Number of water main breaks: None

Hydrant Repairs:

- Number of hydrant repairs: None

Hydrant Replacements:

- Number of hydrant replacements: None

Hydrant Installations (NEW):

- Number of new hydrant installations: None

Main Valve Repairs:

- Number of water main valve repairs: None

Water Service Breaks:

- Number of water service breaks: None

Water Service Repairs:

- Number of water service breaks: None

Water Service Turn "Off/On":

- Number of water service turn "Off/On": Eight (8)
 - 545 Elm Ave., 809 Christie Ave., 820 Huffman Ct., 237 Church St. (3), 825 Cornwall Ave.
 - 920 Williams Ave.

Frozen Water Services:

- Number of frozen water services: Twenty-seven (27)
 - 1702 Colonization Rd. W., 1103 River Rd. W., 1617 Colonization Rd. W. (2), 833 Armit Ave. (2),
 - 143 Fourth St. W., 1123 Scott St., 127 Sixth St. E., 1004 Crowe Ave., 1012 Victoria Ave. N.,
 - 621 Scott St., 426 Third St. W., 909 Christie Ave. N. (2), 513 Armit Ave., 913 McKenzie Ave. N.,
 - 1227 Third St. E., 1337 Emo Rd., 237 Church St., 415 Third St. W., 1115 River Rd. W.,
 - 1032 Victoria Ave. N., 271 Scott St., 825 Crowe Ave., 1104 Victoria Ave. N.
 - and 1411 Colonization Rd. W.

Water Meter Installations/Replacements:

- Number of water meter installations/replacements: One (1)
 - 710 Fifth St. W.

Backflow Preventer Installations/Replacements:

- Number of backflow preventer installations/replacements: One (1)
- 710 Fifth St. W.

Backflow Prevention - Testing:

- Number of backflow preventers tested: One (1)
- 710 Fifth St. W.

Other Information:

- Summarized final costs for invoicing, associated with private works
- Delivered sixteen (16) delinquent account notices.
- February 12 & 13, 2018 - G. Wiedenhoeft and L. Carmody attended a Red Cross First Aid Training Standard First Aid & CPR Level 'C'. Held in the Memorial Sportsplex - Training Room, Fort Frances.
- February 15, 2018 - G. Wiedenhoeft, T. George, J. Bruyere and L. Carmody attended the mandatory water operator course "Safe Drinking Water Operators Essentials". Held in the Shaw Room, F.F. Library.
- Replaced damaged and faded hydrant markers.

WATER TREATMENT PLANT:

- February 2018 - In receipt of the Water Treatment Plant Monthly Report.
- February 15, 2018 - R. White and B. Webb attended the mandatory water operator course "Safe Drinking Water Operators Essentials". Held in the Shaw Room, F.F. Library.

SEWERAGE COLLECTION:

Wastewater Main Backups:

- Number of wastewater main backup: None

Wastewater Manhole Repairs:

- Number of wastewater manhole repairs: None

Sewer Service Repairs:

- Number of sewer service repairs: None

Other Information:

- Cleaned Twenty (20) plugged sewer services at the following locations:
 - 613 Second St. E., 1150 Walker Ave., 601 Second St. E., 340 Church St., 318 Second St. E.,
 - 1132 First St. E., 907 Fifth St. E., 514 Central Ave., 904 Third St. E., 819 Victoria Ave.,
 - 934 Victoria Ave. N., 316 Second St. E., 634 Riverview Dr., 532 Second St. W., 724 Nelson St.,
 - 239 Fifth St. E., 1123 First St. E., 1617 Colonization Rd. W., 521 Second St. W. and
 - 411 B Third St. E.

Private Works:

- CCTV inspected building sewer services at 1201 Idywild Dr., 924 Fifth St. E. and 808 Wright Ave.
- February 20, 2018 - 904 third St. E. - completed a connection inspection of the sanitary service.
- Performed locates for other utilities.

WASTE-WATER TREATMENT FACILITY:

- In receipt of the Wastewater Treatment Facility Monthly Report for February 2018.

WASTE MANAGEMENT:

Garbage Collection:

- Number of complaints regarding garbage collection:
 - Town - 0 complaints, Asselin's - 2 complaints

Sanitary Landfill (Waste Disposal Site):

Landfill Scales functioning properly during this period.

- Amount of residential waste delivered to the landfill:
 - 125,000 kgs (125.00 tonnes)
- Amount of ICI waste delivered to the landfill:
 - 272,440 kgs (272.44 tonnes)

Recycling:

- Number of complaints regarding recycled materials:
 - Town - 0 complaints, Asselin's - 1 complaint
- Amount of recycled waste diverted from the landfill:
 - Emterra - No data

Prepared By: _____ Environmental & Facilities Superintendent

Date: _____

MONTH	Residential Waste tonnes	Res %	ICI Waste tonnes	ICI %	Non Community Waste tonnes	Non Com %	Covering Material tonnes	2017			2017		2018		
								2017 Total Tonne	Average last 10 years Total Tonne	2018 Total Tonne	Total Fees	Average last 10 years Fees 2008 to 2017	Total Fees	2018-2017 Tonnes	2017-2016 Fees
JAN	139.64	28.17	345.27	69.65	10.78	2.17	0.00	450.85	360.13	495.69	\$26,266.82	\$17,849.10	\$30,177.28	44.84	\$3,910.46
FEB	125.00	30.75	272.44	67.03	9.02	2.22	0.00	349.66	306.73	406.46	\$20,191.04	\$15,355.62	\$23,347.65	56.80	\$3,156.61
MAR	153.37	33.09	297.91	64.27	12.26	2.64	0.00	466.01	411.69	463.54	\$28,951.58	\$21,321.44	\$27,716.10	-2.47	-\$1,235.48
APRIL		#DIV/0!		#DIV/0!		#DIV/0!		630.91	574.04	0.00	\$40,385.84	\$30,505.60		-630.91	-\$40,385.84
MAY		#DIV/0!		#DIV/0!		#DIV/0!		741.59	719.34	0.00	\$43,112.32	\$36,978.61		-741.59	-\$43,112.32
JUNE		#DIV/0!		#DIV/0!		#DIV/0!		663.02	846.85	0.00	\$40,162.52	\$38,270.35		-663.02	-\$40,162.52
JULY		#DIV/0!		#DIV/0!		#DIV/0!		588.46	673.76	0.00	\$37,823.17	\$37,267.74		-588.46	-\$37,823.17
AUG		#DIV/0!		#DIV/0!		#DIV/0!		671.06	657.07	0.00	\$39,355.84	\$34,723.56		-671.06	-\$39,355.84
SEPT		#DIV/0!		#DIV/0!		#DIV/0!		637.12	651.51	0.00	\$41,057.14	\$34,879.94		-637.12	-\$41,057.14
OCT		#DIV/0!		#DIV/0!		#DIV/0!		655.43	803.03	0.00	\$40,341.88	\$40,187.03		-655.43	-\$40,341.88
NOV		#DIV/0!		#DIV/0!		#DIV/0!		370.13	569.91	0.00	\$24,926.28	\$29,432.34		-370.13	-\$24,926.28
DEC		#DIV/0!		#DIV/0!		#DIV/0!		330.97	416.38	0.00	\$19,868.57	\$21,716.47		-330.97	-\$19,868.57
Average per monthly	139.34	29.46	305.21	68.34	10.69	2.20	0.00	546.27	582.54	113.81	\$33,536.92	\$29,873.98	\$27,080.34	-531.74	-117,829.09
Total	418.02		915.62		32.06		0.00	6555.20	6990.45	1365.70	\$402,443.00	\$358,487.81	\$81,241.03	-5189.51	-\$321,201.97
Town of Fort Frances Tonnage	1333.64										\$402,443.00 Actual		\$81,241.03		
											\$391,084.00 Budget		\$396,950.00		
Total Tonnage	1365.70										\$402,443.00 Forecasted		\$324,964.12		
Residential Tonnage	418.02	30.61%													
ICI Tonnage	915.62	67.04%													
Coverage material	0.00														

Sewer & Water Data for 2018

up-datedApril 13, 2018

Month	Days per month	2018	2018	2018	2018	2018	2018	2018	2018	2018	2018	2018-2017	2018-2017	2018	2018
		Total	daily	Couch.	Couch.	Couch.	Total	daily	Couch.	Couch.	Couch.	Diff	Diff	Difference	Infiltration
		Sewage	Sewage	Sewage	Sewage	Sewage	Treated	Treated	2 Water	2 Water	Water	Treated	Wastewater	STP-WTP	daily average
		STP	STP	Meters	Meters	%	WTP	WTP	Meters	Meters	%	WTP	STP		
		cu. meters monthly	cu. meters daily	cu. meters monthly	cu. meters daily		cu. meters monthly	cu. meters daily	cu. meters monthly	cu. meters daily					
January	31	169201	5458.10	10220	329.68	6.04%	119180.0	3844.5	8275.0	266.9	6.94%	4630.0	-5544.0	50021.0	1613.6
February	28	147497	5267.75	8365	298.75	5.67%	107410.0	3836.1	8275.0	295.5	7.70%	3730.0	-27459.0	40087.0	1431.7
March	31	167707	5409.90	10261	331.00	6.12%	124800.0	4025.8		0.0	0.00%	11240.0	-55476.0	42907.0	1384.1
April	30		0.00		0.00	#DIV/0!		0.0		0.0	#DIV/0!	-108330.0	-256759.0	0.0	0.0
May	31		0.00		0.00	#DIV/0!		0.0		0.0	#DIV/0!	-116990.0	-228551.0	0.0	0.0
June	30		0.00		0.00	#DIV/0!		0.0		0.0	#DIV/0!	-114210.0	-201914.0	0.0	0.0
July	31		0.00		0.00	#DIV/0!		0.0		0.0	#DIV/0!	-126300.0	-212264.0	0.0	0.0
August	31		0.00		0.00	#DIV/0!		0.0		0.0	#DIV/0!	-123420.0	-181956.0	0.0	0.0
September	30		0.00		0.00	#DIV/0!		0.0		0.0	#DIV/0!	-107620.0	-174796.0	0.0	0.0
October	31		0.00		0.00	#DIV/0!		0.0		0.0	#DIV/0!	-109480.0	-183450.0	0.0	0.0
November	30		0.00		0.00	#DIV/0!		0.0		0.0	#DIV/0!	-102850.0	-177999.0	0.0	0.0
December	31		0.00		0.00	#DIV/0!		0.0		0.0	#DIV/0!	-105970.0	-171598.0	0.0	0.0
Total	365	484405		28846			351390.0		16550.0			-1016350.0	-1980173.0	133015.0	364.4
Monthly Average		161468.3	1344.65	9615.333	79.95		117130.0	975.5	8275.0	46.9		-82964.2	-156480.5	11084.6	369.1

Aircraft Landings 2018
As of April 13, 2018 Statistics - Page 1/2

Month	Bearskin Flights			Bearskin- Passengers			Government			Private			Med-I-vacs			International			Commercial			Totals			Variance
	2018	2017	2016	2018	2017	2016	2018	2017	2016	2018	2017	2016	2018	2017	2016	2018	2017	2016	2018	2017	2016	2018	2017	2016	2018-2017
January	68	76	70	198	308	261	0	0	1	3	2	3	55	42	30	2	4	3	73	48	36	201	143	177	58
February	66	80	69	187	334	233	0	1	1	2	1	1	57	32	35	3	0	1	56	39	49	184	156	155	28
March	73	90	69	249	336	199	0	10	0	5	4	17	43	50	34	6	14	3	57	51	55	184	178	192	6
1/4 Total	207	246	208	634	978	693	0	11	2	10	7	21	155	124	99	11	18	7	186	138	140	569	477	524	92
April		67	81		289	288		0	7		18	8		40	47		4	3		41	40	0	186	201	-186
May		87	88		389	309		8	4		8	9		50	37		0	32		54	59	0	229	259	-229
June		82	76		324	273		10	0		16	30		38	38		14	77		63	52	0	273	328	-273
1/2 Total	207	482	453	634	1980	1563	0	29	13	10	49	68	155	252	221	11	36	119	186	296	291	569	1165	1312	-596
July		70	72		224	221		3	2		26	48		52	51		76	66		54	47	0	286	324	-286
August		82	84		292	256		4	6		27	42		46	66		80	71		50	53	0	322	313	-322
September		79	78		267	277		7	1		14	15		40	40		42	45		39	51	0	230	249	-230
3/4 Total	207	713	687	634	2763	2317	0	43	22	10	116	173	155	390	378	11	234	301	186	439	442	569	2003	2198	-1434
October		72	85		255	357		6	2		16	10		44	41		18	18		42	47	0	203	214	-203
November		71	72		281	328		0	3		2	20		28	28		0	7		40	38	0	168	146	-168
December		62	64		199	231		0	0		2	0		36	29		0	0		40	29	0	122	139	-122
Total	207	918	908	634	3498	3233	0	49	27	10	136	203	155	498	476	11	252	326	186	561	556	569	2496	2697	-1927

Fort Frances Airport- Page 2/2 - Fuel Sales - As ofApril 13, 2018																				
Fuel Sales Recap - 2018										2018	2017	2016	2015	2014	2013	2012	2011	2010	9 year	Variance
	100LL		Jet Trk		Jet Cab		Month	Year		per	per	per	per	per	per	per	per	per	Average	2018-2017
Month	Liters	Total	Liters	Total	Liters	Total	Total	Total		month	month	month	month	month	month	month	month	month	2018 to 2009	month
January	269	269	16,228	16,228	100	100	16,597	16,597		16,597	25,675	7,528	8,692	11,543	7,216	10,252	7,308	10,971	13,924	-9,078
February	363	632	15,923	32,151	0	100	16,286	32,883		16,286	12,503	11,904	11,231	12,304	6,197	6,918	3,687	5,782	16,068	3,783
March	226	858	9,572	41,723	0	100	9,798	42,681		9,798	21,928	13,255	17,795	10,508	12,077	9,329	10,390	15,539	23,413	-12,130
April		858		41,723		100	0	42,681			13,102	8,592	13,219	8,377	4,453	8,251	5,294	24,825	29,302	-13,102
May		858		41,723		100	0	42,681			21,362	24,681	16,161	29,753	18,350	21,891	19,790	25,375	47,114	-21,362
June		858		41,723		100	0	42,681			27,380	26,015	45,698	30,789	22,786	23,537	25,723	27,768	60,775	-27,380
July		858		41,723		100	0	42,681			24,642	29,002	28,150	14,441	19,232	32,650	19,124	30,455	68,788	-24,642
August		858		41,723		100	0	42,681			23,029	21,119	36,638	20,450	20,075	30,783	21,467	33,139	80,752	-23,029
September		858		41,723		100	0	42,681			13,489	21,325	24,238	21,837	18,005	19,431	22,511	23,363	84,571	-13,489
October		858		41,723		100	0	42,681			16,604	30,655	8,216	15,472	13,109	11,325	13,677	15,033	87,897	-16,604
November		858		41,723		100	0	42,681			9,924	22,349	11,616	7,238	6,398	8,170	6,785	17,747	89,273	-9,924
December		858		41,723		100	0	42,681			6,560	13,797	7,592	6,849	2,028	8,179	2,446	7,641	89,639	-6,560
Total	858		41,723		100		42,681				216,198	230,222	229,246	189,561	149,926	190,716	158,202	237,638	691,516	-173,517
							Jan to Feb		42,681	60,106	32,687	37,718	34,355	25,490	26,499	21,385	32,292	53,406		17,425

Lowest month in last 9 years

Highest month in last 9 years

Highest month

lowest month