

TOWN OF FORT FRANCES

Operations and Facilities Executive Committee

AGENDA - February 5, 2020, 8:30 AM

MEETING - Civic Centre

Session #003

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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 January 22, 2020.	3 - 4
4. <u>Non-agenda Items</u>	
5. <u>Items Referred from Council</u>	
5.1 Request dated January 9, 2020 - Installation of a memorial bench at the McIrvine Park.	5 - 8
5.2 Request dated January 22, 2020 to Stop up and Close Portions of Emo Road and Pit Road #2	9 - 10
6. <u>New Business</u>	
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6.2 October 2019 Drinking Water Systems Monthly Summary Report	17 - 25
6.3 November 2019 Drinking Water Systems Monthly Summary Report	26 - 34
6.4 December 2019 Drinking Water Systems Monthly Summary Report	35 - 42
7. <u>Information</u>	
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8. <u>Adjourn / Next Meeting Date</u>	

TOWN OF FORT FRANCES

MINUTES

SESSION NO. #002

January 22, 2020

The meeting of Operations & Facilities Executive Committee of the Town of Fort Frances was held in the Civic Centre on January 22, 2020 from 8:30 a.m. to 9:25 a.m.

PRESENT: Chairperson R. Wiedenhoeft - Councillor, M. Behan - Councillor, J. McTaggart - Councillor

ALSO PRESENT: T. Rob, Manager of Operations & Facilities, Doug Brown, CAO and Doug Judson (8:30 a.m. to 8:54 a.m.)

1 Call to Order

1.1 The meeting was called to order at 8:30 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 held January 8, 2020 - the minutes were approved as circulated.

4 Non-agenda Items

4.1 None

5 New Business

5.1 Amending Agreement with Automotive Materials Stewardship - the administration report was approved as recommending.

5.2 Award of Tender 19-OF-18 - 2020 Scott Street Reconstruction - the administration report was approved as recommended.

5.3 Geospatial Data Share Agreement with Hilderman Thomas Frank and Cram - the data share agreement was approved as recommended.

5.4 Application to the Investing in Canada Infrastructure Program Green Infrastructure

Stream - the administration report was approved as recommended.

6 Information

- 6.1 Fort Frances Wastewater Treatment Facility - the wastewater monthly report for December 2019 was reviewed and will be forwarded on to Council as information only. No action required.
- 6.2 Sewer and Water Data for 2019 - the water and sewer statistics were reviewed and will be forwarded on to Council for information only. No action required.
- 6.3 2019 Tonnage at the Landfill Site - updated January 16, 2020 - the landfill statistics were reviewed and will be forwarded to Council as information only. No action required.
- 6.4 Airport Statistics 2019 as of December 31, 2019 - the Airport Statistics were reviewed and will be forwarded to Council as information only. No action required.

7 Adjourn / Next Meeting Date

- 7.1 The meeting adjourned at 9:25 a.m.
Next meeting February 5, 2020

Executive Committee Chair

T. Rob, Manager of Operations & Facilities

February 5, 2020

Report To: Mayor and Council

From: Travis Rob, Manager of Operations and Facilities

RE: Request dated January 9, 2020 – Installation of a memorial bench at the McIrvine Park

A letter was received from Ms. Shelly Gustafson requesting to have a bench installed in the McIrvine Road Park in honor of her late father, Mr. Dennis (Archie) Livingstone. See attached letter.

A little history on the benches installed in Town, historically benches were installed along the Waterfront Parkway; in 2003 & 2004 several citizens and organizations purchased a bench at a price of \$1600 which included the cost of the plaque. The bench & plaque were installed for the commemoration of the Town of Fort Frances 100th anniversary. The last bench purchased was in May of 2004 by the Evergreen Chapter No. 80 – order of the Eastern Star. The paperwork was handled out of the CAO's office where the park's crew installed the plaque. Since Fort Frances 100th Birthday event, six additional benches (Mr. & Mrs. Allison 2013 & Bob Ward 2014 & Tammy Wihnan, Anne Gladu (Boon) 2016, and Mr. & Mrs. Cupp 2017, Mr. & Mrs. Weir 2017) have been approved by Council where the requests were directed to the O & F executive committee.

Since the last request in February of 2017, the manufacturer of the benches has gone out of business and those benches are no longer available. The costs for the benches and shipping were around \$1100.00. I have sourced a new bench, constructed of cast aluminum with slats of recycled plastic composite made by a Canadian Company called Barco Products. We have ordered composite picnic tables from this company in the past and the product quality is excellent. There are a number of colour choices for these benches so we can match the colour to other aspects of the location where the bench will be located. The bench cost is \$1110.89 plus shipping.

Historically these benches have been limited to installation along the Riverfront, however we are at a point where there is limited space left along the riverfront for additional benches to be installed without the benches being crowded, the Town's parks are the next logical location for the installations of these types of benches.

The Operations & Facilities Executive Committee recommends the following;

- 1) That Ms. Shelly Gustafson would be responsible for all the costs of the following materials;
 - "Sterling Bench" complete with Composite slats manufactured by Barco Products
 - Freight costs to transport the bench materials to Fort Frances.
 - The plaque supplied by General Supply-purchased on her own.
- 2) That the Town will supply the labour & materials to construct the foundation for the bench.
- 3) That the Town will supply the labour to install the new Sterling Bench and plaque.

Respectfully Submitted



Travis Rob, P.Eng

Council approval of this report will agree with the recommendation of the Operations and Facilities Executive Committee that

- 1) Ms. Shelly Gustafson would be responsible for all the costs of the following materials;**
 - “Sterling Bench” complete with Composite slats manufactured by Barco Products**
 - Freight costs to transport the bench materials to Fort Frances.**
 - The plaque supplied by General Supply-purchased on her own.**
- 2) The Town will supply the labour & materials to construct the foundation for the bench.**
- 3) The Town will supply the labour to install the new Sterling Bench and plaque.**

Manager of Operations and Facilities

2020Feb5 Request for Bench at McIrvine Park

31.5% Off

[Home](#) | [Outdoor Furniture](#) | [Tables & Seating](#) | [Park Benches](#) | Product SKU # KBC1350-GY

Sterling Bench/ 6' Bench/ Gray

AS LOW AS
\$878.85

SAVE 21% (1110.89)



W
a
-tc

January 9, 2020

To Whom It May Concern

Attention: Travis Rob

I am writing to you in regards to purchasing a bench for Mclrvine Park in memory of my late father Dennis (Archie) Livingstone. The park is located on Colonization Road West and Daniel Avenue. Dennis grew up In the Mclrvine area which is now a part of Fort Frances. He attended Mclrvine School and his mother Bertha Livingstone taught at that school. Dennis had lived the majority of his life in the Mclrvine area. He bought his last home on Colonization Road West and Daniel Avenue over looking Mclrvine School which is now the park. That is the reason we have chosen that location.

If you have any questions we can be reached by e-mail at greatbear.greg@gmail.com Shelly's cell 807-275-9461 or home 807-274-9461.

Any mail correspondence to

Shirley Livingstone
1036 Colonization Road West
Fort Frances, Ontario P9A 2T4

Looking forward to hearing from you. Thank you in advance from the Livingstone Family.

Sincerely

Shelly Gustafson

February 5, 2020

Report To: Mayor and Council

From: Travis Rob, Manager of Operations and Facilities

RE: Request Dated January 22, 2020 to Stop up and Close Portions of Emo Road and Pit Road #2

On January 22, 2020 a request was received from George Armstrong Company to stop up and close a portion of Emo Road, from Oakwood Road to Pit Road #2 and Pit Road #2 from the South property line of 300 Pit Road #2 south to Emo Road.

This roadway is a gravel road servicing primarily George Armstrong Company as well as a second business and one residential property, the road segments in question service Armstrong's shop, office, storage yard and it is their primary access to their property on the west side of Oakwood Road.

George Armstrong Company, when asked would be interested, as well, in purchasing a portion of the stopped-up roadway as well as putting up gates to control access. Given that the road area in question's sole purpose is to access their properties, it is suggested that the condition placed on stopping up this road is that George Armstrong Co purchase all of the stopped-up roadway. Fort Frances Power Corporation has some infrastructure down that roadway and the Town has 2 streetlight fixtures, arms and associated wiring that would have to be considered as we move forward.

Currently the Town plows the snow, grades the road and adds gravel as required to maintain the road. The closing of this roadway would reduce our ongoing operating costs; however, provision would have to be made to ensure that the drainage infrastructure in place is maintained on the sold portions of the roadway so as to not impact adjacent property owners.

It is the recommendation of the Operations and Facilities Executive Committee that:

1. A sale price be developed for the sale of the road allowance
2. George Armstrong Company be advised of the cost and that the road would only be stopped up and closed providing they would buy the property.
3. Pending a sale, a By-Law be passed to stop-up and close the associated road segments.

Respectfully Submitted



Travis Rob, P.Eng

Council approval of this report will agree with the recommendation of the Operations and Facilities Executive Committee that

- 1. A sale price be developed for the sale of the road allowance**
- 2. George Armstrong Company be advised of the cost and that the road would only be stopped up and closed providing they would buy the property.**
- 3. Pending a sale, a By-Law be passed to stop-up and close the associated road segments.**

Manager of Operations and Facilities



Regards,

Hi Travis on reading your letter to council on your reasons to not open Keating on our request so to do away with unnecessary roads in town we are asking you to close 2000 feet of road that saves no purpose than a HOT RODDERS RACE TRACK AND THEY RIP UP THE ROAD AND TEAR OUR PARKING LOT UP, we use it to get to our property in ALBERTON SO WE WILL LOOK AFTER THAT SO I THINK IT IS A GREAT IDEA AND GET RID OF THE RACEING AT NIGHT. we hope you will approve this request and we would look after the gates.

Larry Armstrong
President



George Armstrong Co. Limited
Office: 807.274.3294
Fax: 807.274.8469
Cell: 807.275.9900
email: Jan.y@gem.geannstrong.ca

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February 5, 2020

Report To: Mayor and Council

From: Travis Rob, Manager of Operations and Facilities

RE: Blue Box Program Transition – Preferred date of transition

Over the past number of years, the government has been working through the transition of the Blue Box program to full producer responsibility. The Operations and Facilities Executive Committee and Council have been getting updates on the progress periodically from both administration and AMO.

At this point a new regulation has not been developed or released in Draft to municipalities, but the likely regulation will look similar to that of the new Tire recycle regulation, Household Hazardous and Special Waste and Waste Electronic regulation. These regulations require producers to not only collect a prescribed percentage of materials they produce but require that any program in existence at the time of the passing of the regulation must remain at the current service level. What this will mean for the Town of Fort Frances is that the Blue Box program post transition will look, to the residents, the same as it does now. From the Town's perspective what the program will look like is unknown. Likely producers will band together and form an organization to look after the collecting and producing of all of their products because it will be too costly for each producer to try to look after their products independently. The Town will, at some point be in negotiations with this entity to determine what our role in blue box will be post transition. This component of the Blue Box transition is all still evolving currently.

One of the questions that AMO is asking, to better understand the current state of municipalities Blue Box programs and capacities is, will our municipality be interested in continuing to provide some of the component services related to Blue Box in the future. For the Town of Fort Frances, given our location and the distance of haulage and limited service providers, our blue box program is very costly to run. Under the current Blue Box Program we should be funded at 50% of cost recovery. Given the high cost for our program, our funding only covers about 34% of our true costs. In addition, the Town owns few assets relating to blue box, 2 stationary compactors and related bins at our depot and a garage for material drop off. Given these facts, it is not in the Town's best interest to remain in the Blue Box business post transition.

Further, AMO has asked Municipalities, in an effort to streamline the transition, to declare their preferred date of transition by council resolution between January 1, 2023 and December 30, 2025. Attached to this report you will find information correspondence from AMO surrounding the request.

Currently the Town has contracts with two parties affecting blue box:

1. Asselin Transportation – Curbside Collection - November 1, 2019 to October 31, 2024
2. Emterra Group – Blue Box material transportation – September 14, 2015 to September 13, 2020
3. Emterra Group – Blue Box material processing - September 14, 2015 to September 13, 2020

Our new agreement for curbside collection includes a clause relating specifically to the upcoming transition and affords the Town the ability to sever that contract in the event of a transition before the ending of the agreement upon suitable notice by the Town. However, given the forecasted transition horizon from AMO and our upcoming current contract expiries, we are well situated to, as we tender for the transportation and processing services, align all of our contracts to expire on October 31, 2024 and transition at that time.

Given the remote nature of Fort Frances, the act of declaring a preferred date of transition will be helpful in our negotiations, however our transition date will likely be tied with the transition of other similar programs in the area, such as Dryden and Kenora.

It is the recommendation of the Operations and Facilities Executive Committee that a separate resolution be passed by Council addressed to AMO and the Ministry of Environment Conservation and Parks stating the following:

1. The Town's preferred date of transition of their blue box program to full producer responsibility is October 31, 2024.
2. This transition date has been selected as it is the current termination of our collection contract and we will be able to align our transportation and processing contracts to that date when put out to tender this year.
3. The Town of Fort Frances is not interested in continuing to provide services beyond the Blue Box transition date.
4. Any questions regarding the resolution be directed to the Manager of Operations and Facilities.

Respectfully Submitted



Travis Rob, P.Eng

Council approval of this report will agree with the recommendation of the Operations and Facilities Executive Committee that:

- 1. The Town's preferred date of transition of their blue box program to full producer responsibility is October 31, 2024.**
- 2. This transition date has been selected as it is the current termination of our collection contract and we will be able to align our transportation and processing contracts to that date when put out to tender this year.**
- 3. The Town of Fort Frances is not interested in continuing to provide services beyond the Blue Box transition date.**
- 4. Any questions regarding the resolution be directed to the Manager of Operations and Facilities.**

Manager of Operations and Facilities

Attachment 1: Background on Transition to Full Producer Responsibility

Municipal governments have been advocating for over a decade for producers to have full fiscal and operational responsibility for end of life management of their packaging, printed paper and paper products. Producers are best positioned to reduce waste, increase the resources that are recovered and reincorporated into the economy and enable a consistent province-wide system that makes recycling easier and more accessible.

In August 2019, Minister Yurek announced that municipal Blue Box programs will be transitioned to full producer responsibility over a three-year period based on the recommendations from the Special Advisor's report titled, "Renewing the Blue Box: Final report on the blue box mediation process." Municipal governments played a key role in helping to develop the recommendations within this report. These recommendations broadly reflected the positions advocated by AMO and there was also a great deal of alignment with producers on how the Blue Box should be transitioned.

The municipal transition is proposed to occur between 2023 and the end of 2025, as shown in the table below:

Date	Description
Sept. 2019 → Dec. 2020	Blue Box wind-up plan developed for Stewardship Ontario
	Development of a Regulation under the <i>Resource Recovery and Circular Economy Act</i> , 2016
Jan. 2021 → Dec. 2022	Producers prepare to assume control and operation of system and work with municipal governments and service providers
Jan. 1, 2023 → Dec. 31, 2025	Transition of individual municipal Blue Box programs to full producer responsibility. Occurs in phases over three years with a rolling total of up to one-third of the Provincial program transitioning annually

The Minister wants to ensure that the transitioned Blue Box system is affordable for producers, workable for the waste processing sector, and effective and accessible for residents. AMO and municipal representatives are involved in the consultation process to develop a new regulation for the Blue Box. The Province's intent is to finalize a Regulation by the end of 2020.

AMO staff held in-person workshops on the Blue Box transition across the Province through October and November 2019 to discuss this topic with municipal waste management staff. Over 165 staff and elected officials attended the sessions in Vaughan, London, Smiths Falls, North Bay and Dryden. The workshops provided an opportunity to engage directly with our sector to build understanding about this transition process and the level of engagement from attendees was excellent.

We also began the discussion about what municipal governments should take into consideration about how to prepare for this change and what factors might be considered as to when a Council might want to transition.

HOW YOUR RESOLUTION WILL HELP INFORM THE DISCUSSION:

The resolutions will be used to map out an ideal transition timeline, and determine whether there are years that are over or under subscribed, as it has been dictated that a rolling total of up to one-third of Blue Box programs can transition each year. This information will also allow AMO and the Province to better understand whether there are conflicts. If there are too many conflicts, the Province may still need to retain a third-party expert to develop a methodology as to how municipal Blue Box programs will transition.

However, rather than deferring to the Province to retain an expert immediately, we think this information would provide a good basis for a more informed decision to be made.

Attachment 2: Sample Resolution

Your Council's stated preference may not be the final determination of your transition date, nor are you obligated in any way by the date that is specified. The resolution will be used to map out an ideal transition timeline, and determine whether there are years that are over or under subscribed, as it has been dictated that a rolling total of up to one-third of Blue Box programs can transition each year. This information will also allow AMO and the Province to better understand whether there are conflicts. If there are too many conflicts, the Province may still need to retain a third-party expert to develop a methodology as to how municipal Blue Box programs will transition.

Resolution on Transition to Full Producer Responsibility

WHEREAS the amount of single-use plastics leaking into our lakes, rivers, waterways is a growing area of public concern;

WHEREAS reducing the waste we generate and reincorporating valuable resources from our waste stream into new goods can reduce GHGs significantly;

WHEREAS the transition to full producer responsibility for packaging, paper and paper products is a critical to reducing waste, improving recycling and driving better economic and environmental outcomes;

WHEREAS the move to a circular economy is a global movement, and that the transition of Blue Box programs would go a long way toward this outcome;

WHEREAS the **Municipality of X** is supportive of a timely, seamless and successful transition of Blue Box programs to full financial and operational responsibility by producers of packaging, paper and paper products;

AND WHEREAS the Association of Municipalities of Ontario has requested municipal governments with Blue Box programs to provide an indication of the best date to transition our Blue Box program to full producer responsibility;

THEREFORE BE IT RESOLVED:

THAT the **Municipality of X** would like to transition their Blue Box program to full producer responsibility [month] [date], [year] (between January 1, 2023 and December 31, 2025).

AND THAT this decision is based on the following rationale:

1. **Insert rationale based on analysis of contracts, assets, integrated waste management system or other considerations (e.g., our collection contract for Blue Box material expires December 31, 2024 and our processing contract for Blue Box material also expires December 31, 2024.)**

AND THAT the **Municipality of X** would be interested in providing collection services to Producers should we be able to arrive at mutually agreeable commercial terms.

AND FURTHER THAT any questions regarding this resolution can be directed to **Jane Doe, City Manager at xxx-xxx-xxxx or jane.doe@municipalityx.ca**

AND FURTHER THAT the resolution be forwarded to the Association of Municipalities of Ontario and the Ontario Ministry of the Environment, Conservation and Parks.

EXAMPLE

December 3, 2019

Report To: Mayor & Council

From: Travis Rob, P.Eng., Manager of Operations & Facilities

SUBJECT: October 2019 Drinking Water Systems Monthly Summary Report

Please find attached the October 2019 Summary Report on the drinking water systems, prepared by Brad Webb, Senior WTP Operator.

Your Administration recommends that Operations & Facilities Executive Committee accept the October 2019 report as presented.

Respectfully submitted,
Operations & Facilities Division

Travis Rob, P.Eng.
Manager of Operations & Facilities

Council approval of this report will accept the October 2019 report prior to it being made available to the general public.
--

c.c. – Craig Miller, P.Eng., Environmental Superintendent
Brad Webb, ORO, Senior WTP Operator

October 2018

Monthly Summary Report
Water Systems

Prepared by: Brad Webb, ORO
Senior Water Treatment Plant Operator

Dated: November 01, 2019

1) **Introduction:**

This report contains the major maintenance activities and operational events that occurred during the month of October 2019 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. The water treatment plant falls under the requirements of Ontario Regulation 170/03 – Drinking Water Systems.

The Airport Small Drinking Water System, System No. 849N7DGE0, was put into service August 01, 2017. The system falls under the requirements of Ontario Regulation 319/08 – Small Drinking Water Systems.

2) **Flow Data:**

Water Treatment Plant: See attached spreadsheet.

Airport Groundwater Well :

Estimated Daily Usage	0.21 m3
Estimated December Usage	6.5 m3

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. 901 Wright Ave.	2. 746 6 th St. West.	3. 1533 King's Hwy.	4. W. Tower
5. 901 Wright Ave.	6. 401 King's Hwy.	7. 320 Portage Ave.	8. W. Tower
9. 1111 First St. E.	10. 746 6 th St. West.	11. 901 Wright Ave.	12. W. Tower
13. 1111 First St. E.	14. 940 Third St. E.	15. 921 6 St. W.	16. W. Tower

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

New drinking water system put online 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 August 22, 2019 – 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 online August 01, 2017. No treatment required as the Airport groundwater well tested negative for bacteria.

7) Maintenance Activities at the WTP:

Oct 01st Installed new filtered water sample pump.

Oct 02nd Changed filters in soda ash dust collector.

Oct 03rd - Cleaned top and bottom tanks on poly unit
Cleaned all 4 check valves on the poly unit

Oct 04th -Honeywell installed data loggers on high lifts #1 & # 4.
-Changed oil and filters on both compressors.

Oct 10th -Cleaned top and bottom tanks on the poly unit.
- Cleaned all 4 check valves on the poly unit.

Oct 15th -Canect Electric & Pryde's Plumbing here working on boiler.

Oct 17th -Calibrated the distribution chlorine analyzer.
-Cleaned top and bottom tanks on the poly unit.
- Cleaned all 4 check valves on the poly unit.
-Received a load of Alum.

Oct 22nd - Greased both clarifier's chains, bearings and gears.

Oct 24th -Changed out compressor # 1.

Oct 30th -Changed poly water mixing valve.

Oct 31st -Cleaned top and bottom tanks on the poly unit.
- Cleaned all 4 check valves on the poly unit.

8) **Water Complaints:**

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

9) **Other Miscellaneous Information**

Oct 01st - Lead sampling.

Oct 02nd - Lead sampling.

Oct 03rd -Sunny Cove Monthly samples.

Oct 03rd -Hydrant replacement samples for Huffman Court. 1st set.

Oct 03rd -Bacti samples for new O.P.P. station.

Oct 07th - Routine micro sample collection
-Hydrant replacement samples for Huffman Court. 2nd set.
-Hydrant replacement samples for Frenette Ave. 1st set.
-Valve replacement samples Scott& Mosher Ave. 1st set.

Oct 08th -Hydrant replacement samples for Frenette Ave. 2nd set.
-Valve replacement samples Scott& Mosher Ave. 2nd set.

Oct 09th -Hydrant replacement samples for Nelson & Armit Ave. 1st set.

Oct 10th -Hydrant replacement samples for Nelson & Armit Ave. 2nd set.

Oct 15th -Routine micro sample collection.
-Received a load of soda ash.

Oct 22nd ESA Inspection (Electrical Safety Authority).

Oct 22nd - Routine micro sample collection.

Oct 23rd -Started winterizing Sunny Cove Camp.

Oct 24th -Winterizing Sunny Cove Camp.
-Lakeside here doing computer upgrade.

Oct 28th - Took grab samples off filters.
-Calibrated fluoride meter.

Oct 29th -Routine micro sample collection.

Oct 31st -Ran back up generator for 1 hour.

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:

- Brad Webb, ORO, Senior WTP Operator: _____
- Craig Miller, Environmental Superintendent: _____
- Travis Rob, Manager of Operations & Facilities: _____
- Doug Brown, P. Eng. CAO: _____
- Rick Wiedenhoeft, Chair O & F Exec Committee: _____
- June Caul, Mayor: _____
- John McTaggart, Councillor: _____
- Mike Behan, Councillor: _____
- Wendy Brunetta, Councillor: _____
- Doug Judson, Councillor: _____
- Andrew Hallikas, 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 Brad Webb, Senior WTP Operator at 274-2325.

Town of Fort Frances - Water treatment Plant - Water Works # 220000978
Monitoring Record
October 2019

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	5.00	4.90	5.00	5.00	5.00	5.10	4.86	4.99	4.97	5.13	4.94	4.88	5.00	4.96	4.84	4.80	5.04	4.96	4.82	4.97	5.22	4.94	4.80	4.91	4.54	5.20	5.00	4.60	5.08	4.91	4.94	153.30	4.95
Peak Instantaneous - Raw Water	L/s	n/a	57.78	57.67	58.16	58.17	58.11	58.71	58.64	58.69	58.67	58.25	58.23	57.90	57.93	57.99	57.93	57.98	57.95	57.87	57.80	57.83	57.78	57.80	57.85	57.83		57.80	57.71	57.80	57.65	57.68	57.51	1739.67	57.99
Treated Water	10^3 M^3	17	3.20	3.20	3.40	2.80	3.30	3.20	2.98	3.48	3.25	3.62	3.33	3.18	2.95	3.23	2.90	3.11	3.37	2.82	3.11	2.93	3.24	3.20	2.97	2.92	3.23	3.65	2.81	2.98	3.24	3.01	3.03	97.64	3.15
Peak Instantaneous - Treated Water	L/s	n/a		65.67	65.48	67.68	64.34	66.38	63.44	64.47	68.18	65.03	75.53	64.00	65.32	64.81	63.02	64.21	63.44	63.34	63.72	63.45	62.58	62.86	63.52	64.09		61.35	62.69	64.41	63.96	63.34	63.29	1873.60	64.61
BackWash Water	10^3 M^3	n/a	0.250	0.280	0.260	0.250	0.280	0.270	0.250	0.267	0.251	0.287	0.268	0.254	0.289	0.271	0.254	0.288	0.271	0.252	0.289	0.271	0.259	0.288	0.268	0.249	0.288	0.270	0.250	0.289	0.270	0.252	0.288	8.323	0.268
Fluoride Information																																			
Fluoride Residual - Treated Water	mg/l	0.5 to 0.8	0.73	0.73	0.73	0.72	0.73	0.74	0.74	0.74	0.74	0.75	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.75	0.75	0.76	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.76	0.75	0.75	0.74	23.04	0.74
Turbidity Information																																			
Raw Water	NTU	n/a	1.71	1.42	1.61	1.39	1.51	1.41	1.42	1.38	1.44	1.47	1.50	1.38	1.44	1.30	1.26	1.78	1.16	1.47	1.28	1.35	1.23	1.53	1.22	1.37	1.47	1.18	1.32	1.24	1.19	1.14	1.93	43.50	1.40
Settled Water	NTU	n/a	0.26	0.09	0.08	0.05	0.06	0.09	0.12	0.11	0.10	0.11	0.11	0.11	0.12	0.11	0.11	0.07	0.08	0.12	0.08	0.10	0.12	0.13	0.11	0.07	0.10	0.09	0.09	0.05	0.09	0.06	0.04	3.03	0.10
Treated Water	NTU	1	0.09	0.09	0.05	0.06	0.08	0.07	0.03	0.04	0.04	0.04	0.05	0.05	0.05	0.04	0.05	0.03	0.04	0.04	0.04	0.04	0.07	0.09	0.08	0.05	0.09	0.10	0.10	0.09	0.05	0.08	0.01	1.83	0.06
Other Operating Parameters																																			
pH - Treated Water	no units	6.5 to 8.5	7.38	7.50	7.55	7.54	7.52	7.54	7.50	7.48	7.52	7.53	7.47	7.42	7.44	7.52	7.48	7.48	7.49	7.53	7.49	7.55	7.31	7.40	7.34	7.36	7.34	7.34	7.36	7.51	7.59	7.56	7.55	231.59	7.47
pH - Settled water	no units	n/a	6.49	6.48	6.37	6.40	6.47	6.43	6.41	6.38	6.36	6.41	6.43	6.41	6.37	6.41	6.43	6.32	6.40	6.35	6.37	6.18	6.45	6.45	6.38	6.40	6.33	6.34	6.31	6.39	6.46	6.42	6.45	198.25	6.40
pH - Raw Water	no units	n/a	7.34	7.38	7.38	7.37	7.34	7.36	7.20	7.31	7.24	7.27	7.30	7.22	7.26	7.14	7.19	7.18	7.19	7.19	7.19	7.20	7.35	7.30	7.28	7.16	7.19	7.19	7.18	7.19	7.04	7.06	6.96	224.15	7.23
FAC - Treated Water	mg/l	0.2 to 4	2.14	2.08	2.16	2.26	2.26	2.16	2.38	2.30	2.36	2.32	2.27	2.36	2.28	2.20	2.17	2.34	2.26	2.32	2.38	2.38	2.80	2.26	2.18	2.10	2.44	2.36	2.32	2.40	2.08	2.26	2.28	70.86	2.29
Total Chlorine Residual Treated	mg/l	0.3 to 7	2.40	2.42	2.46	2.46	2.48	2.60	2.62	2.52	2.56	2.58	2.48	2.52	2.42	2.44	2.32	2.60	2.56	2.56	2.68	2.56	3.00	2.56	2.54	2.60	2.80	2.72	2.50	2.72	2.78	2.74	2.78	79.98	2.58
Temperature	C	15	14.0	14.0	13.0	13.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	11.0	11.0	11.0	11.0	10.0	10.0	11.0	11.0	11.0	10.0	10.0	10.0	10.0	10.0	9.0	8.0	7.0	7.0	340.0	11.0
Fluoride used (Total Daily Consumption)	kg	n/a	21.0	21.0	21.0	20.0	22.0	25.0	23.0	24.0	24.0	24.0	23.0	22.0	23.0	22.0	22.0	22.0	22.0	21.0	21.0	22.0	20.0	19.0	21.0	30.0	26.0	24.0	21.0	24.0	23.0	22.0	696.0	22.5	
Chlorine used (Total Daily Consumption)	kg	n/a	22.0	23.0	23.0	24.0	22.0	24.0	23.0	23.0	23.0	24.0	23.0	23.0	23.0	23.0	22.0	24.0	22.0	22.0	23.0	24.0	23.0	23.0	23.0	21.0	24.0	24.0	21.0	24.0	23.0	23.0	712.0	23.0	
Soda ash (Total Daily Consumption)	kg	n/a	175.0	171.5	175.0	175.0	175.0	178.5	170.1	174.7	174.0	179.6	172.9	170.8	175.0	173.6	169.4	168.0	176.4	173.6	168.7	174.0	182.7	172.9	168.0	171.9	158.9	182.0	175.0	161.0	177.8	171.9	172.9	5365.5	173.1
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	175.0	171.5	175.0	175.0	175.0	178.5	170.1	174.7	174.0	179.6	172.9	170.8	175.0	173.6	169.4	168.0	176.4	173.6	168.7	174.0	182.7	172.9	168.0	171.9	158.9	182.0	175.0	161.0	177.8	171.9	172.9	5365.5	173.1
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	0.04	0.05	0.04	0.06	0.06	0.03	0.05	0.05	0.03	0.03	0.03	0.01	0.02	0.01	0.01	0.05	0.05	0.04	0.05	0.06	0.03	0.03	0.03	0.04	0.04	0.05	0.05	0.02	0.06	0.06	0.05	1.23	0.04
Poly bags added (25 kg bags)	kg			0.5								0.5	0.6										0.5				0.5							64.5	

Flow Data	October	Units	2017		2018		2019	
			Day of the Month		Day of the Month		Day of the Month	
Total Raw Water	m ³			173660		167050		153300
Raw Maximum Day	m ³		Oct 10th	5990	Oct 6th	5720	Monday 21st	5220
Raw Minimum Day	m ³		Oct 13th	5280	Oct 29th & 31st	5010	Friday 25th	4540
Raw Average Daily Consumption	m ³			5600		5390		4950
Total Treated Water	m ³			109480		103780		97640
Treated Water Maximum Day Consumption	m ³		Oct 7th	4280	Oct 8th	4450	Saturday 26th	3650
Treated Water Minimum Day Consumption	m ³		Oct 22nd	3110	Oct 4th	2930	Friday 04th	2800
Treated Water Average Day Consumption	m ³			3530		3350		3150
Daily Average Per Household Consumption Rate	m ³			0.93		0.89		0.83
* Daily Average Per Person Consumption Rate	m ³			0.44		0.42		0.39
Monthly Averages - Operating Parameters WTP:								
FAC Residual - Treated Water	mg/L			2.27		2.15		2.29
Total Chlorine Residual - Treated Water	mg/L			2.47		2.42		2.58
Aluminum Sulphate - Raw Water	mg/L			35.0		35.0		35
Aluminum Sulphate - Treated Water Residual	mg/L			0.02		0.02		0.04
Fluoride - Treated Water	mg/L			0.56		0.70		0.74
Soda Ash - Raw Water	mg/L			35.0		35.0		35
PH - Adjusted	mg/L			7.24		7.09		7.47
Temperature	C			11.9		8.6		11
Quantity of Chemical Used:								
Aluminum Sulphate	kg			6078.1		5846.8		5365.5
Polyelectrolyte	kg			75.0		75.0		64.5
Chlorine Gas	kg			807		707		712
Soda Ash - Used for PH Adjustment	kg			6078.1		5846.8		5365.5
Fluoride	kg			686		617		696

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

* Population is 7986

* Number of Households is 3783

December 3, 2019

Report To: Mayor & Council

From: Travis Rob, P.Eng., Manager of Operations & Facilities

SUBJECT: November 2019 Drinking Water Systems Monthly Summary Report

Please find attached the November 2019 Summary Report on the drinking water systems, prepared by Brad Webb, Senior WTP Operator.

Your Administration recommends that Operations & Facilities Executive Committee accept the November 2019 report as presented.

Respectfully submitted,
Operations & Facilities Division

Travis Rob, P.Eng.
Manager of Operations & Facilities

Council approval of this report will accept the November 2019 report prior to it being made available to the general public.

c.c. – Craig Miller, P.Eng., Environmental Superintendent
Brad Webb, ORO, Senior WTP Operator

November 2019

**Monthly Summary Report
Water Systems**

**Prepared by: Brad Webb, ORO
Senior Water Treatment Plant Operator**

Dated: December 02, 2019

1) **Introduction:**

This report contains the major maintenance activities and operational events that occurred during the month of November 2019 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. The water treatment plant falls under the requirements of Ontario Regulation 170/03 – Drinking Water Systems.

The Airport Small Drinking Water System, System No. 849N7DGE0, was put into service August 01, 2017. The system falls under the requirements of Ontario Regulation 319/08 – Small Drinking Water Systems.

2) **Flow Data:**

Water Treatment Plant: See attached spreadsheet.

Airport Groundwater Well:

Estimated Daily Usage	m3
Estimated November Usage	m3

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. 601 Reid Ave.	2. 1001 King's Hwy.	3. 800 Sixth St.	4. W. Tower
5. 500 Keating Ave.	6. 1509 School Rd.	7. 800 Fifth St.	8. W. Tower
9. 1111 First St. E.	10. 746 Sixth St.	11. 901 Wright Ave.	12. W. Tower
13. 943 Third St.	14. 1324 Kings Hwy.	15. 901 Wright Ave.	16. W. Tower

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

New drinking water system put online 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 August 22, 2019 – 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 online August 01, 2017. No treatment required as the Airport groundwater well tested negative for bacteria.

7) Maintenance Activities at the WTP:

Nov. 1st - Calibrated distribution chlorine analyzer.

Nov. 4th - Calibrated distribution chlorine analyzer.

Nov. 7th - Cleaned top and bottom tanks on poly unit.
Cleaned all 4 check valves on the poly unit.

Nov. 10th - Calibrated distribution chlorine analyzer.

Nov. 13th - Calibrated the distribution chlorine analyzer.

Nov. 14th - Cleaned top and bottom tanks on poly unit.
Cleaned all 4 check valves on the poly unit.

Nov. 15th - Repaired coupler on clarifier #1 mixer.

Nov. 18th - Cleaned top and bottom tanks on poly unit.
Cleaned all 4 check valves on the poly unit.

Nov. 20th - Calibrated the distribution chlorine analyzer.

Nov. 21st - Cleaned top and bottom tanks on poly unit.
Cleaned all 4 check valves on the poly unit.

Nov. 26th -Took grab samples off the filters.

Nov. 26th -calibrated fluoride analyzer.

Nov. 27th -calibrated # 3 poly pump.

Nov. 28th - Cleaned top and bottom tanks on poly unit.
Cleaned all 4 check valves on the poly unit.

Nov. 28th - Ran standby generator for 1 hour

Nov. 29th -changed soda ash pump # 7 to pump # 3.

8) **Water Complaints:**

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

9) **Other Miscellaneous Information:**

Nov. 4th - Routine micro samples collection.

Nov. 4th -Canect electric here working on alarm system.

Nov. 5th -Fire and Security here forking on fire alarms.

Nov. 5th - Landfill site samples taken.

Nov. 5th- Took DWSP samples

Nov. 12th - Routine micro sample collection

Nov. 14th -shipped back 8 fluoride barrels to Clear-Tech.

Nov. 18th -shipped back 8 fluoride barrels to Clear-Tech.

Nov. 18th - Routine micro sample collection.

Nov. 19th -Received 4 tonners of chlorine.

Nov. 25th - Routine micro sample collection.

Nov 27th -Munich RE inspected boiler, generator and high lift # 3.

Nov. 28th - ESA Inspection (Electrical Safety Authority). At water rower.

Nov. 29th - Prydes Plumbing here changing out hot water tank.

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:

- Brad Webb, ORO, Senior WTP Operator: _____
- Craig Miller, Environmental Superintendent: _____
- Travis Rob, Manager of Operations & Facilities: _____
- Doug Brown, CAO: _____
- Rick Wiedenhoeft, Chair O & F Exec Committee: _____
- June Caul, Mayor: _____
- John McTaggart, Councillor: _____
- Mike Behan, Councillor: _____
- Wendy Brunetta, Councillor: _____
- Doug Judson, Councillor: _____
- Andrew Hallikas, 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 Brad Webb, Senior WTP Operator at 274-2325.

Town of Fort Frances - Water treatment Plant - Water Works # 220000978
Monitoring Record
November 2019

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	Total	Average
		or Range																																
Flow rates																																		
Raw Water	10^3 M^3	17	4.93	4.96	5.12	4.91	4.80	4.95	4.93	4.97	4.88	4.92	4.91	4.94	5.06	4.95	4.90	4.78	4.97	5.08	5.00	5.04	4.96	4.81	5.12	5.08	4.80	5.05	5.02	4.99	5.02	5.17	149.02	4.97
Peak Instantaneous - Raw Water	L/s	n/a	57.66	57.67	57.57	57.56	57.63	57.55	57.57	57.50	57.66	57.51	57.55	57.86	57.80	57.67	57.60	59.32	58.36	58.31	58.30	58.25	58.24	58.23	58.13	58.04	58.06	58.59	58.78	58.58	58.59	58.83	1740.97	58.03
Treated Water	10^3 M^3	17	3.22	2.69	3.28	3.00	2.96	3.10	3.01	3.38	2.65	3.21	3.38	2.76	3.29	2.98	3.26	3.02	3.28	3.08	3.26	3.37	2.79	3.06	3.41	2.99	3.12	3.18	3.22	2.87	3.25	2.75	92.82	3.09
Peak Instantaneous - Treated Water	L/s	n/a	63.96	63.40	62.82	62.05	64.03	63.84	63.58	64.07	64.65	63.69	62.48	62.78	63.78	63.75	63.25	64.84	63.48	63.48	63.45	63.51	63.72		63.35	62.44	62.28	63.87	63.37	62.91	63.46	63.83	1840.12	63.45
BackWash Water	10^3 M^3	n/a	0.270	0.252	0.288	0.273	0.258	0.288	0.273	0.258	0.289	0.275	0.261	0.289	0.273	0.259	0.288	0.273	0.264	0.289	0.275	0.258	0.290	0.276	0.268	0.288	0.272	0.255	0.290	0.275	0.258	0.291	8.216	0.274
Fluoride Information																																		
Fluoride Residual - Treated Water	mg/l	0.5 to 0.8	0.74	0.74	0.75	0.76	0.75	0.75	0.74	0.75	0.74	0.74	0.74	0.72	0.71	0.71	0.70	0.70	0.70	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.72	0.72	0.72	0.71	0.71	0.71	21.70	0.72
Turbidity Information																																		
Raw Water	NTU	n/a	1.26	0.91	0.91	1.22	1.27	1.23	1.33	1.26	1.29	1.32	1.36	1.05	1.05	1.28	1.04	0.99	1.06	1.31	1.05	1.27	1.12	1.14	0.90	0.96	1.20	0.85	1.35	1.11	1.01	0.89	33.99	1.13
Settled Water	NTU	n/a	0.18	0.15	0.11	0.10	0.12	0.11	0.12	0.11	0.14	0.11	0.12	0.17	0.14	0.16	0.29	0.16	0.16	0.13	0.18	0.14	0.17	0.20	0.18	0.23	0.23	0.13	0.29	0.18	0.21	0.22	4.94	0.16
Treated Water	NTU	1	0.16	0.10	0.10	0.13	0.11	0.11	0.10	0.10	0.10	0.1	0.10	0.11	0.13	0.15	0.20	0.16	0.17	0.16	0.13	0.14	0.15	0.15	0.13	0.22	0.14	0.13	0.17	0.20	0.01	0.17	4.03	0.13
Other Operating Parameters																																		
pH - Treated Water	no units	6.5 to 8.5	7.43	7.53	7.51	7.48	7.41	7.27	7.38	7.37	7.44	7.42	7.35	7.35	7.39	7.44	7.36	7.35	7.44	7.39	7.52	7.49	7.50	7.44	7.40	7.38	7.31	7.44	7.41	7.37	7.36	7.31	222.24	7.41
pH - Settled water	no units	n/a	6.50	6.52	6.46	6.45	6.39	6.42	6.41	6.40	6.43	6.39	6.31	6.66	6.47	6.59	6.69	6.67	6.52	6.66	6.89	6.46	6.20	6.42	6.54	6.54	6.62	6.49	6.54	6.66	6.45	6.60	195.35	6.51
pH - Raw Water	no units	n/a	7.02	7.19	7.02	7.00	7.17	7.14	7.21	7.19	7.21	7.19	7.18	7.31	7.40	7.39	7.39	7.35	7.33	7.26	7.29	7.27	7.29	7.28	7.38	7.27	7.30	7.17	7.29	7.21	7.17	7.23	217.10	7.24
FAC - Treated Water	mg/l	0.2 to 4	2.28	2.32	2.20	2.30	2.26	2.22	2.20	2.26	2.30	2.34	2.44	2.42	2.68	2.70	2.68	2.58	2.44	2.40	2.42	2.28	2.24	2.28	2.24	2.28	2.26	2.28	2.30	2.24	2.32	2.12	70.28	2.34
Total Chlorine Residual Treated	mg/l	0.3 to 7	2.86	2.64	2.62	2.64	2.58	2.48	2.50	2.48	2.56	2.62	2.60	2.98	3.00	3.00	2.90	3.04	2.92	2.72	2.86	2.46	2.66	2.68	2.64	2.52	2.64	2.56	2.64	2.46	2.44	2.42	80.12	2.67
Temperature	C	15	7.0	7.0	7.0	7.0	6.0	5.0	5.0	5.0	4.0	4.0	3.0	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	98.0	3.3
Fluoride used (Total Daily Consumption)	kg	n/a	24.0	21.0	23.0	22.0	21.0	21.0	21.0	24.0	22.0	23.0	23.0	23.0	23.0	23.0	22.0	21.0	21.0	22.0	22.0	21.0	21.0	23.0	25.0	25.0	24.0	24.0	24.0	23.0	23.0	24.0	679.0	22.6
Chlorine used (Total Daily Consumption)	kg	n/a	23.0	23.0	24.0	23.0	23.0	23.0	23.0	21.0	22.0	24.0	23.0	22.0	23.0	23.0	23.0	22.0	22.0	24.0	22.0	22.0	21.0	21.0	22.0	22.0	20.0	22.0	22.0	22.0	22.0	22.0	671.0	22.4
Soda ash (Total Daily Consumption)	kg	n/a	172.6	173.6	179.2	171.9	168.0	173.3	172.6	174.0	170.8	172.2	171.9	172.9	177.1	173.3	171.5	167.3	174.0	177.8	175.0	176.4	173.6	168.4	179.2	177.8	168.0	176.8	175.7	174.7	175.7	181.0	5215.7	173.9
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	1050.0	35.0
Alum residual - (Total Daily Consumption)	kg	n/a	172.6	173.6	179.2	171.9	168.0	173.3	172.6	174.0	170.8	172.2	171.9	172.9	177.1	173.3	171.5	167.3	174.0	177.8	175.0	176.4	173.6	168.4	179.2	177.8	168.0	176.8	175.7	174.7	175.7	181.0	5215.7	173.9
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	1050.0	35.0
Alum residual - Treated Water	mg/l	0.1	0.07	0.09	0.06	0.06	0.05	0.06	0.05	0.06	0.03	0.03	0.02	0.05	0.04	0.06	0.09	0.02	0.04	0.05	0.07	0.05	0.05	0.04	0.07	0.05	0.09	0.07	0.05	0.07	0.07	0.04	1.65	0.06
Poly bags added (25 kg bags)	kg									0.5						0.5							0.5							0.5			50.0	

Flow Data November	2017		2018		2019	
	Day of the Month		Day of the Month		Day of the Month	
Total Raw Water		162010		153490		149020
Raw Maximum Day	Sunday 05th	5720	Saturday 17th	5520	Saturday 30th	5170
Raw Minimum Day	Thursday 30th	4760	Friday 16th	4770	Saturday 16th	4780
Raw Average Daily Consumption		5400		5120		4970
Total Treated Water		102850		101430		92820
Treated Water Maximim Day Consumption	Monday 13th	4000	Thursday 27th	4350	Saturday 23rd	3410
Treated Water Minimim Day Consumption	Thursday 16th	3040	Friday 16th	3020	Saturday 09th	2650
Treated Water Average Day Consumption		3430		3380		3090
Daily Average Per Household Consumption Rate		0.907		0.893		0.817
* Daily Average Per Person Consumption Rate		0.430		0.423		0.387
Monthly Averages - Operating Parameters WTP:						
FAC Residual - Treated Water		2.18		2.24		2.34
Total Chlorine Residual - Treated Water		2.42		2.50		2.67
Aluminum Sulphate - Raw Water		35.00		35.00		35
Aluminum Sulphate - Treated Water Residual		0.03		0.02		0.06
Fluoride - Treated Water		0.56		0.72		0.72
Soda Ash - Raw Water		35.00		35.00		35
PH - Adjusted		7.28		7.15		7.41
Temperature		3.60		3.70		3.3
Quantity of Chemical Used:						
Aluminum Sulphate		5670.40		5372.20		5215.7
Polyelectrolyte		75.00		100.00		50
Chlorine Gas		674.00		648.00		671
Soda Ash - Used for PH Adjustment		5670.40		5372.20		5215.7
Fluoride		545.00		559.00		679

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

January 6, 2019

Report To: Mayor & Council

From: Travis Rob, P.Eng., Manager of Operations & Facilities

SUBJECT: December 2019 Drinking Water Systems Monthly Summary Report

Please find attached the December 2019 Summary Report on the drinking water systems, prepared by Brad Webb, Senior WTP Operator.

Your Administration recommends that Operations & Facilities Executive Committee accept the December 2019 report as presented.

Respectfully submitted,
Operations & Facilities Division

Travis Rob, P.Eng.
Manager of Operations & Facilities

Council approval of this report will accept the December 2019 report prior to it being made available to the general public.

c.c. – Craig Miller, P.Eng., Environmental Superintendent
Brad Webb, ORO, Senior WTP Operator

December 2019

**Monthly Summary Report
Water Systems**

**Prepared by: Brad Webb, ORO
Senior Water Treatment Plant Operator**

Dated: January 06, 2020

1) **Introduction:**

This report contains the major maintenance activities and operational events that occurred during the month of December 2019 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. The water treatment plant falls under the requirements of Ontario Regulation 170/03 – Drinking Water Systems.

The Airport Small Drinking Water System, System No. 849N7DGE0, was put into service August 01, 2017. The system falls under the requirements of Ontario Regulation 319/08 – Small Drinking Water Systems.

2) **Flow Data:**

Water Treatment Plant: See attached spreadsheet.

Airport Groundwater Well:

Estimated Daily Usage	0.21 m3
Estimated December Usage	6.5 m3

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. 1227 Fifth St. E.	2. 601 Reid Ave.	3. 901 Wright Ave.	4. W. Tower
5. 1104 Church St.	6. 1111 First St. E.	7. 921 6 th St W.	8. W. Tower
9. 943 3 rd St. E.	10. 740 6 th west.	11. 1330 Woodward Ave.	12. W. Tower
13. 1111 First St. E.	14. 1324 King's Hwy.	15. 901 Wright Ave.	16. W. Tower

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

New drinking water system put online 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 November 21, 2019 – 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 online August 01, 2017. No treatment required as the Airport groundwater well tested negative for bacteria.

7) Maintenance Activities at the WTP:

Dec 4th -Flushed poly lines to clarifiers.

Dec 05th - Cleaned top and bottom tanks on the Poly Unit.
-Cleaned all 4 check valves on the Poly Unit.

Dec 11th - Calibrated Distribution Chlorine Analyzer.

Dec 12th - Cleaned top and bottom tanks on the Poly Unit.
-Cleaned all 4 check valves on the Poly Unit.

Dec 16th -Wayjax here doing annual load test on generator.

Dec 19th -Cleaned top and bottom tanks on the Poly Unit.
-Cleaned all 4 check valves on the Poly Unit.

Dec 25th -calibrated cl2 analyzer.
-calibrated fluoride analyzer.

Dec 27th -checked calibration of alum pump.
-Took grab samples off the filters.

8) **Water Complaints:**

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

9) **Other Miscellaneous Information:**

Dec 2nd - Routine Micro Sample Collection.

Dec 03rd -received a load of Alum.

Dec 4th -Canect Electric her to work on boiler circ. Pump.

Dec 09th -Routine micro sample collection.

Dec 16th - Quarterly samples at Plant and Water Tower.
- TSS samples taken off the filters.
-Sunset protection here working on fire alarm system.
-Prydes & Canect electric here working on boiler.

Dec 18th -Routine micro sample collection.
-Received a shipment of Fluoride.
-topped up generator with fuel.
-received shipment of poly.

Dec 23rd -changed cl2 tonner.

Dec 27th-Routine micro samples collection.

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:

- Brad Webb, ORO, Senior WTP Operator: _____
- Craig Miller, Environmental Superintendent: _____
- Travis Rob, Manager of Operations & Facilities: _____
- Doug Brown, CAO: _____
- Rick Wiedenhoeft, Chair O & F Exec Committee: _____
- June Caul, Mayor: _____
- John McTaggart, Councillor: _____
- Mike Behan, Councillor: _____
- Wendy Brunetta, Councillor: _____
- Doug Judson, Councillor: _____
- Andrew Hallikas, 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 Brad Webb, Senior WTP Operator at 274-2325.

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	5.02	4.85	5.03	5.04	4.99	5.06	5.00	5.00	5.11	5.05	5.04	5.02	5.00	4.70	5.41	4.92	5.01	5.01	5.04	4.98	5.14	5.00	4.90	5.02	5.13	5.06	4.89	4.88	5.02	4.91	5.02	155.25	5.01
Peak Instantaneous - Raw Water	L/s	n/a	58.93	58.66	58.75	58.78	58.79	58.80	58.75	58.77	58.79	58.66	58.68	58.73	58.71	58.69	58.58	58.57	58.55	58.72	58.69	58.79	58.74	58.81	58.83	58.80	58.75	58.79	58.77	58.88	58.88	58.93	58.80	1821.37	58.75
Treated Water	10^3 M^3	17	3.21	3.20	2.94	3.33	2.98	3.28	3.34	2.77	3.51	3.36	3.26	3.30	3.43	2.90	3.57	3.48	3.13	3.53	3.58	3.16	3.68	3.25	3.39	3.51	3.47	3.21	3.04	3.57	3.46	2.99	3.39	102.22	3.30
Peak Instantaneous - Treated Water	L/s	n/a	63.17	61.58	62.65	63.79	62.57	63.44	63.48	62.89	62.15	62.90	63.12	62.46	63.83	63.17	63.13	62.13	64.50	64.06	64.03	63.50	64.84	63.33	63.93	63.15	62.94	60.85	62.91	63.06	62.13	63.43	62.52	1955.64	63.09
BackWash Water	10^3 M^3	n/a	0.274	0.253	0.291	0.273	0.252	0.288	0.273	0.253	0.289	0.272	0.245	0.288	0.271	0.247	0.290	0.270	0.247	0.289	0.269	0.244	0.287	0.267	0.239	0.287	0.369	0.287	0.273	0.247	0.287	0.267	0.245	8.433	0.272
Fluoride Information																																			
Fluoride Residual - Treated Water	mg/l	0.5 to 0.8	0.71	0.71	0.71	0.72	0.73	0.72	0.74	0.74	0.73	0.74	0.74	0.74	0.74	0.75	0.75	0.72	0.72	0.75	0.75	0.75	0.75	0.76	0.76	0.76	0.78	0.76	0.76	0.76	0.77	0.75	0.76	23.03	0.74
Turbidity Information																																			
Raw Water	NTU	n/a	1.24	1.60	1.63	1.55	1.59	1.38	1.45	1.50	1.47	0.89	0.84	0.88	0.83	1.01	0.89	0.94	1.01	0.83	0.78	0.91	0.74	1.07	1.14	0.87	0.89	0.72	0.77	0.78	0.61	0.84	0.86	32.51	1.05
Settled Water	NTU	n/a	0.24	0.24	0.25	0.22	0.24	0.20	0.18	0.16	0.16	0.13	0.14	0.12	0.11	0.24	0.14	0.13	0.13	0.25	0.18	0.22	0.28	0.29	0.20	0.20	0.19	0.11	0.30	0.18	0.10	0.22	0.17	5.92	0.19
Treated Water	NTU	1	0.27	0.24	0.19	0.17	0.16	0.12	0.12	0.13	0.12	0.11	0.12	0.12	0.11	0.09	0.15	0.12	0.15	0.14	0.14	0.19	0.14	0.14	0.13	0.09	0.11	0.16	0.24	0.16	0.17	0.19	0.16	4.65	0.15
Other Operating Parameters																																			
pH - Treated Water	no units	6.5 to 8.5	7.31	7.27	7.23	7.20	7.24	7.27	7.21	7.26	7.28	7.32	7.26	7.19	7.22	7.20	7.18	7.15	7.05	7.11	7.16	7.19	7.05	6.99	7.02	7.04	7.10	7.05	6.95	7.03	7.03	6.98	6.94	221.48	7.14
pH - Settled water	no units	n/a	6.59	6.56	6.64	6.58	6.50	6.43	6.57	6.41	6.38	6.64	6.62	6.56	6.54	6.56	6.66	6.44	6.56	6.63	6.69	6.75	6.59	6.51	6.47	6.46	6.44	6.46	6.47	6.34	6.45	6.38	6.27	202.15	6.52
pH - Raw Water	no units	n/a	7.21	7.23	7.28	7.25	7.22	7.30	7.23	7.27	7.31	7.30	7.36	7.24	7.30	7.15	7.12	7.22	7.07	7.16	7.01	7.12	6.99	6.96	6.96	6.97	6.89	6.85	7.06	6.94	6.94	6.93	6.92	220.76	7.12
FAC - Treated Water	mg/l	0.2 to 4	2.18	2.30	2.34	2.18	2.22	2.24	2.22	2.18	2.19	2.34	2.16	2.14	2.20	2.12	2.06	2.26	2.26	2.30	2.26	2.20	2.20	2.16	2.18	2.10	2.12	2.18	2.26	2.14	2.26	2.20	2.15	68.30	2.20
Total Chlorine Residual Treated	mg/l	0.3 to 7	2.28	2.58	2.52	2.38	2.50	2.44	2.38	2.36	2.42	2.68	2.62	2.46	2.44	2.36	2.32	2.52	2.42	2.56	2.62	2.54	2.56	2.52	2.54	2.26	2.22	2.40	2.40	2.36	2.34	2.40	2.36	75.76	2.44
Temperature	C	15	2.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.0	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	57.0	1.8
Fluoride used (Total Daily Consumption	kg	n/a	23.0	22.0	23.0	22.0	22.0	22.0	21.0	21.0	21.0	21.0	22.0	24.0	24.0	22.0	26.0	24.0	23.0	24.0	23.0	22.0	23.0	22.0	21.0	22.0	25.0	23.0	23.0	26.0	23.0	22.0	23.0	705.0	22.7
Chlorine used (Total Daily Consumption	kg	n/a	23.0	21.0	22.0	22.0	22.0	21.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	20.0	24.0	23.0	20.0	22.0	22.0	21.0	22.0	22.0	21.0	20.0	22.0	22.0	21.0	22.0	21.0	21.0	21.0	672.0	21.7
Soda ash (Total Daily Consumption)	kg	n/a	175.7	169.8	176.1	176.4	174.7	177.1	175.0	175.0	178.9	176.8	176.4	175.7	175.0	164.5	189.4	172.2	175.4	175.4	176.4	174.3	179.9	175.0	171.5	175.7	179.6	177.1	171.2	170.8	175.7	171.9	175.7	5433.8	175.3
Soda Ash - Dosage	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	35.0	35.0	1085.0	35.0
lum residual - (Total Daily Consumption	kg	n/a	175.7	169.8	176.1	176.4	174.7	177.1	175.0	175.0	178.9	176.8	176.4	175.7	175.0	164.5	189.4	172.2	175.4	175.4	176.4	174.3	179.9	175.0	171.5	175.7	179.6	177.1	171.2	170.8	175.7	171.9	175.7	5433.8	175.3
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	0.04	0.07	0.04	0.04	0.05	0.05	0.04	0.04	0.05	0.07	0.06	0.05	0.05	0.07	0.05	0.06	0.07	0.07	0.09	0.07	0.06	0.07	0.05	0.08	0.05	0.05	0.04	0.08	0.08	0.08	0.05	1.82	0.06
Poly bags added (25 kg bags)	kg				0.5						0.5				0.5							0.5							0.5					62.5	

Flow Data	DECEMBER	Units	2017		2018		2019	
			Day of the Month		Day of the Month		Day of the Month	
Total Raw Water	m^3		160800		159820		155250	
Raw Maximum Day	m^3	Sunday 10th	5830	Dec 2nd and 25th	5480	Sunday 15th	5410	
Raw Minimum Day	m^3	Saturday 02nd	4750	Dec 8th	4790	Saturday 14th	4700	
Raw Avgerage Daily Consumption	m^3		5190		5160		5010	
Total Treated Water	m^3		105970		104790		102220	
Treated Water Maximim Day Consumption	m^3	Thursday 07th	3800	Dec 21st	3760	Saturday 21st	3680	
Treated Water Minimim Day Consumption	m^3	Friday 08th	2850	Dec 22nd	2940	Sunday 08yh	2770	
Treated Water Average Day Consumption	m^3		3420		3380		3300	
Daily Average Per Household Consumption Rate	m^3		0.90		0.89		0.87	
* Daily Average Per Person Consumption Rate	m^3		0.43		0.42		0.41	
Monthly Averages - Operating Parameters WTP:								
FAC Residual - Treated Water	mg/L		2.30		2.21		2.2	
Total Chlorine Residual - Treated Water	mg/L		2.45		2.42		2.44	
Aluminum Sulphate - Raw Water	mg/L		35.0		35.0		35	
Aluminum Sulphate - Treated Water Residual	mg/L		0.04		0.02		0.06	
Fluoride - Treated Water	mg/L		0.55		0.65		0.74	
Soda Ash - Raw Water	mg/L		35.0		35.0		35	
PH - Adjusted	mg/L		7.28		7.17		7.14	
Temperature	C		2.0		2.0		1.8	
Quantity of Chemical Used:								
Aluminum Sulphate	kg		5628.0		5593.7		5433.8	
Polyelectrolyte	kg		75.0		100.00		62.5	
Chlorine Gas	kg		616		644		672	
Soda Ash - Used for PH Adjustment	kg		5628.0		5593.7		5433	
Fluoride	kg		659.0		572		705	

- * The Canadian Average is 450 Litres (0.45 m^3) per day.
- * Population is 7986
- * Number of Households is 3783

OPERATIONS AND FACILITIES DIVISION - PUBLIC WORKS AREA
OPERATIONS STATISTICS
September 2019

STAFFING

The following table is a breakdown of lost man shifts during the month:

	2018	2019
WSIB	0.00	0.00
WI/LTD	20.00	0.00
SICK DAYS	6.59	6.50
COMPASSIONATE LEAVE	3.00	0.00
FLOATERS	2.00	3.00
VACATION	14.00	35.63
BANKED TIME USED	6.38	19.13
OFF	0.00	0.00
STATUTORY HOLIDAYS	23.00	24.00
TOTAL	74.97	88.26

OVERTIME HOURS

Equivalent Straight Time Hours:

	2018	2019	2018	2019
	Sept	Sept	Year To	Year To
			Date	Date
ADMINISTRATION	0.00	0.00	0.00	0.00
TRAVEL	5.00	5.00	48.00	27.50
ENGINEERING	0.00	0.00	6.00	0.00
INTERDEPARTMENTAL	18.75	18.00	43.50	84.25
PRIVATE WORK	0.00	12.00	3.00	25.00
RECYCLE/GARBAGE	15.25	8.00	41.50	35.50
ROADS	5.25	36.50	271.75	731.00
SEWER COLLECTION	14.00	6.00	245.75	193.88
SIDEWALKS	0.00	0.00	18.00	144.00
STORES	0.00	0.00	6.00	5.50
VEHICLE & EQUIPMENT	0.00	0.00	24.00	38.00
WATER TREATMENT PLANT	26.75	49.25	206.50	222.75
WATER DISTRIBUTION	39.25	3.00	489.25	422.50
WATER TOWER	0.00	0.00	0.00	0.00
TOTAL	124.25	137.75	1403.25	1929.88

TRANSPORTATION REPORT

September 2019

ROADS:

Storm Water Management – Urban:

- Cleaned debris from catch basins during rain events
- Flushed storm sewer laterals and cleaned catch basin sumps
- Lowered a catch basin on the 1100 block of Scott Street

Storm Water Management - Rural:

- Cut brush along ditches with Trackless
- Dug out beaver dams as required
- Lowered a catch basin at Cornwall Avenue and Sixth Street to catch water from the ditch on Cornwall Avenue
- Dug ditches along the west side of Cornwall Avenue North from mid-block to Sixth Street West

Hard Top Maintenance:

- Levelled utility cuts – twice weekly
- Pothole patching as required
- Street sweeping daily – downtown area and Front Street done once weekly
- Continued with curb and gutter repairs

Loose Top Maintenance:

- Graded all loose top roads twice
- Graded lanes as required

Roadside Maintenance:

- Cut grass at all deadends and CN crossings
- Trimmed trees along sidewalks and boulevards

Winter Control:

Traffic Operations:

- Repaired and replaced signs as required
- Continued replacing signs that failed reflectivity testing
- Continued painting crosswalks, parking stalls, stop bars and no parking areas.

Regular Maintenance:

- Garbage pickup - Tuesday and Friday - Downtown and Public Works Shop
- Assisted Engineering with locates and CCTV inspections.
- Assisted with tasks at Civic Centre as required.
- Maintenance checks at the Civic Centre as required
- Repaired deficiencies found in Routine Road Patrols

Buildings and Grounds:

- Cleaned Shop as required
- Cleaned vehicles and equipment as required
- Cut grass at Public Works building and all yards
- Cleaned up debris in all yards before the winter season

Private Work:

- Installed a private crossing at 1108 Second Street East.
- Installed an extension to a private crossing at 430 Fourth Street East.
- Installed a culvert for a private crossing at 1018 Cornwall Avenue North.
- Installed a culvert for a private crossing at 1009 Cornwall Avenue North.

Sidewalks – Winter:**Sidewalks – Summer:**

- Swept sidewalk and bike path along waterfront once weekly
- Continue with sidewalk replacement and repairs

Vehicles and Equipment:

- Preventative Maintenance – pre-trip inspections 5:30 – 7:30 am Monday to Friday
- Regular scheduled maintenance of all vehicles and equipment
- Maintenance and repairs, Fire Department, Water Treatment Plant, Memorial Sports Centre, Day Care, Handi-Van, Airport and Civic Centre Vehicles as required

Public Relations:

- Installed a concrete pad and sign at the tennis courts on September 23, 2019.

Sewer and Water:

- Provided labour and equipment for Water Distribution and Sewer Collection repairs and maintenance.
- Handed out “Water Turn Off Advisories”, “Drinking Water Advisories” and “Lifting of Drinking Water Advisories” when required
- Issued “Delinquent Account Notices” and turned off water for non-compliance as required.
- Replaced curb and gutter and sidewalk and installed a private crossing at 508 Nelson Street to finish up new Sewer and Water service installations.

Interdepartmental:

- Moved furniture from the Day Care to the Civic Centre and Public Works building.
- Jeff Bragg provided coverage for vacation at the Airport on September 1, 2019.

Recycling:

- Emptied glass recycling bin as required
- Pushed up piles in recycling building as required
- Loaded Commercial Recycling Bin as required
- Cleaned up recycling yard

Training:**Health & Safety:**

- A workplace inspection was done at the Public Works building on September 25, 2019.

Milt Strachan,
Superintendent of Transportation

OPERATIONS AND FACILITIES DIVISION - PUBLIC WORKS AREA
OPERATIONS STATISTICS
October 2019

STAFFING

The following table is a breakdown of lost man shifts during the month:

	2018	2019
WSIB	14.00	0.00
WI/LTD	23.00	0.00
SICK DAYS	10.06	16.88
COMPASSIONATE LEAVE	0.00	0.00
FLOATERS	3.00	0.25
VACATION	40.50	23.75
BANKED TIME USED	5.31	15.25
OFF	3.25	8.97
STATUTORY HOLIDAYS	24.00	24.00
TOTAL	123.12	89.10

OVERTIME HOURS

Equivalent Straight Time Hours:

	2018	2019	2018	2019
	Oct	Oct	Year To	Year To
			Date	Date
ADMINISTRATION	0.00	0.00	0.00	0.00
TRAVEL	0.00	0.00	48.00	27.50
ENGINEERING	0.00	0.00	6.00	0.00
INTERDEPARTMENTAL	0.75	0.75	44.25	85.00
PRIVATE WORK	0.75	6.00	3.75	31.00
RECYCLE/GARBAGE	0.00	0.00	41.50	35.50
ROADS	17.25	5.25	289.00	736.25
SEWER COLLECTION	24.38	19.50	270.13	213.38
SIDEWALKS	0.00	0.00	18.00	144.00
STORES	0.00	0.00	6.00	5.50
VEHICLE & EQUIPMENT	0.00	0.00	24.00	38.00
WATER TREATMENT PLANT	16.00	18.25	222.50	241.00
WATER DISTRIBUTION	15.25	10.50	504.50	433.00
WATER TOWER	0.00	0.00	0.00	0.00
TOTAL	74.38	60.25	1477.63	1990.13

TRANSPORTATION REPORT

October 2019

ROADS:

Storm Water Management – Urban:

- Cleaned debris from catch basins during rain events
- Flushed storm sewer laterals and cleaned catch basin sumps
- Repaired a leak in the storm sewer main at the Sports Field.

Storm Water Management - Rural:

- Cleaned up debris along ditches in North End.

Hard Top Maintenance:

- Levelled utility cuts – twice weekly
- Pothole patching as required
- Street sweeping daily – downtown area and Front Street done once weekly
- Continued with curb and gutter repairs

Loose Top Maintenance:

- Graded all loose top roads twice
- Completed a grading of all lanes before the winter season.

Roadside Maintenance:

- Touched up the landscaping at all of the summer repairs and curb and gutter, sidewalk, culvert and private crossing installations.
- Removed several large stumps in boulevards around town with the large backhoe.

Winter Control:

Traffic Operations:

- Repaired and replaced signs as required
- Continued replacing signs that failed reflectivity testing

Traffic Operations (cont'd)

- Removed signs for directing USA traffic on October 8, 2019.
- Removed bike racks from the downtown area on October 8, 2019.

Regular Maintenance:

- Garbage pickup - Tuesday and Friday - Downtown and Public Works Shop
- Assisted Engineering with locates and CCTV inspections.
- Assisted with tasks at Civic Centre as required.
- Maintenance checks at the Civic Centre as required
- Repaired deficiencies found in Routine Road Patrols

Buildings and Grounds:

- Cleaned Shop as required
- Cleaned vehicles and equipment as required

Private Work:

- Installed an extension to a culvert for a private crossing at 1034 Cornwall Avenue North.
- Street Sweeper went to Emo on September 23 to do some sweeping for the day.

Sidewalks – Winter:

Sidewalks – Summer:

- Swept sidewalk and bike path along waterfront once weekly

Vehicles and Equipment:

- Preventative Maintenance – pre-trip inspections 5:30 – 7:30 am Monday to Friday
- Regular scheduled maintenance of all vehicles and equipment
- Maintenance and repairs, Fire Department, Water Treatment Plant, Memorial Sports Centre, Day Care, Handi-Van, Airport and Civic Centre Vehicles as required

Public Relations:

- Delivered barricades to the Library for the Trunk or Treat event on Halloween.

Sewer and Water:

- Provided labour and equipment for Water Distribution and Sewer Collection repairs and maintenance.

Sewer and Water (cont'd)

- Handed out “Water Turn Off Advisories”, “Drinking Water Advisories” and “Lifting of Drinking Water Advisories” when required
- Issued “Delinquent Account Notices” and turned off water for non-compliance as required.

Interdepartmental:

- Swept day care parking lot on October 4.
- Hauled furniture from Day Care to designated buildings the week of October 7th to 11th
- Delivered 2 bear proof garbage cans to the Memorial Sports Centre
- Hauled several loads of used asphalt to the Landfill Site for road base.
- Installed concrete pad for the Emergency Generator at the High School.
- Winterized the sprinkler system at the Civic Centre on October 23.
- Vacuum excavated for pole installations on the 800 block of Williams Avenue (FFPC)
- Pulled docks out of the water and removed a large rock from under the roadway at Sunny Cove on October 29.
- Moved files from Day Care to Civic Centre on October 30.
- Moved waste electronics from Civic Centre to Asselin’s on October 30.
- Moved files for shredding from the Landfill Site to the Public Works building on October 30.
- Jeff Bragg provided coverage for vacation at the Airport from October 1st to 3rd and again from October 11th to 21st.

Recycling:

- Emptied glass recycling bin as required
- Pushed up piles in recycling building as required
- Loaded Commercial Recycling Bin as required
- Cleaned up recycling yard

Training:

Health & Safety:

Milt Strachan,
Superintendent of Transportation

OPERATIONS AND FACILITIES DIVISION - PUBLIC WORKS AREA
OPERATIONS STATISTICS
November 2019

STAFFING

The following table is a breakdown of lost man shifts during the month:

	2018	2019
WSIB	0.00	0.00
WI/LTD	21.00	0.00
SICK DAYS	14.00	13.50
COMPASSIONATE LEAVE	0.00	5.00
FLOATERS	0.00	6.29
VACATION	32.00	49.00
BANKED TIME USED	9.88	11.50
OFF	4.63	4.00
STATUTORY HOLIDAYS	29.00	28.00
TOTAL	110.51	117.29

OVERTIME HOURS

Equivalent Straight Time Hours:

	2018	2019	2018	2019
	Nov	Nov	Year To	Year To
			Date	Date
ADMINISTRATION	0.00	0.00	0.00	0.00
TRAVEL	0.00	2.50	48.00	30.00
ENGINEERING	0.00	0.00	7.50	0.00
INTERDEPARTMENTAL	0.00	6.75	47.25	91.75
PRIVATE WORK	0.00	0.00	3.75	31.00
RECYCLE/GARBAGE	0.00	0.00	41.50	35.50
ROADS	204.75	135.75	425.00	872.00
SEWER COLLECTION	32.75	5.50	290.88	218.88
SIDEWALKS	12.00	0.00	18.00	144.00
STORES	0.00	0.00	6.00	5.50
VEHICLE & EQUIPMENT	19.00	16.00	28.00	54.00
WATER TREATMENT PLANT	13.50	28.00	242.50	269.00
WATER DISTRIBUTION	25.75	1.50	524.50	434.50
WATER TOWER	0.00	0.00	0.00	0.00
TOTAL	307.75	196.00	1682.88	2186.13

TRANSPORTATION REPORT

November 2019

ROADS:

Storm Water Management - Urban:

- Flushed storm sewer laterals and cleaned catch basin sumps.

Storm Water Management- Rural:

- Cleaned up debris along ditches North of CN Tracks.
- Extended a culvert from the corner of Sixth Street and Cornwall Avenue to catch water from the ditch on the west side of Cornwall.

Hard Top Maintenance:

- Levelled utility cuts - twice weekly
- Pothole patching as required

Loose Top Maintenance:

Roadside Maintenance:

- Trimmed trees along sidewalks, boulevards and lanes that were a hazard for our equipment.
- Cleaned up some piles of branches and debris from the lane on the 300 block of Fourth Street West.
- Moved pile of organic material from North Yard to the black dirt pile on McIrvine Road.

Winter Control:

- Two (2) events November 21st and 25th.
- Plowed all roadways and lanes as required.
- Sanded/salted roads as required.
- Plowed all downtown parking lots and Civic Centre parking lot.
- Plowed OPP parking lot.

Traffic Operations:

- Repaired and replaced signs as required
- Continued replacing signs that failed reflectivity testing

Traffic Operations (cont'd)

- Painted 20 new barricades
- Had Busch's make legs for 20 new barricades
- Moved digital speed sign from Colonization Road West to Kings Highway on November 27th.

Regular Maintenance:

- Garbage pickup - Tuesday and Friday - Downtown and Public Works Shop
- Assisted Engineering with locates and CCTV inspections.
- Assisted with tasks at Civic Centre as required.
- Maintenance checks at the Civic Centre as required
- Repaired deficiencies found in Routine Road Patrols

Buildings and Grounds:

- Cleaned Shop as required
- Cleaned vehicles and equipment as required

Private Work:

- Installed an extension to a culvert at 262 Fifth Street East for a private crossing.

Sidewalks - Winter:

- Cleaned snow and ice from Civic Centre sidewalks and applied ice melt as required.
- Cleaned snow from underpass sidewalk and downtown corners and applied ice melt or sand/salt as required.
- Plowed all sidewalks as required.

Sidewalks - Summer:

Vehicles and Equipment:

- Preventative Maintenance - pre-trip inspections 5:30 - 7:30 am Monday to Friday
- Regular scheduled maintenance of all vehicles and equipment
- Maintenance and repairs, Fire Department, Water Treatment Plant, Memorial Sports Centre, Day Care, Handi-Van, Airport and Civic Centre Vehicles as required
- Converted equipment from summer mode to be ready for Winter Control.

Public Relations:

- Delivered barricades for the annual OPP Trunk or Treat at the Library on October 31st.
- Put out cords for Christmas lights at the Civic Centre on November 29th.
- Put out barricades to block off the 400 block of Portage Avenue to light the Christmas Tree November 29th.

Sewer and Water:

- Provided labour and equipment for Water Distribution and Sewer Collection repairs and maintenance.
- Handed out "Water Turn Off Advisories", "Drinking Water Advisories" and "Lifting of Drinking Water Advisories" when required
- Issued "Delinquent Account Notices" and turned off water for non-compliance as required.

Interdepartmental:

- Completed installation of concrete pad for Emergency Generator at the High School on November 1st.
- Moved boxes at the Civic Centre for shredding and then at Public Works building on November 6th.
- Hauled cover material to Landfill Site from Shevlin Yard and Yard behind Scott Street.
- Moved cover material at Landfill Site.
- Winterized Sorting Gap Marina on November 14th.
- Cleaned drain at the Fire Hall on November 18th.
- Hauled Zamboni snow from the Memorial Sports Centre to the snow dump twice.
- Moved cabinets from JW Walker Day Care to Civic Centre on November 26th.
- Jeff Bragg provided coverage for vacation at the Airport for November 8th, 9th, and 10th.

Recycling:

- Emptied glass recycling bin as required
- Pushed up piles in recycling building as required
- Loaded Commercial Recycling Bin as required
- Cleaned up recycling yard

Training:

- Walter Slusarchuk received training on Tandem Dump Trucks, Sand Truck, Plow Truck and sidewalk plow.

Health & Safety:

Milt Strachan,
Superintendent of Transportation

OPERATIONS AND FACILITIES DIVISION - PUBLIC WORKS AREA
OPERATIONS STATISTICS
December 2019

STAFFING

The following table is a breakdown of lost man shifts during the month:

	2018	2019
WSIB	0.00	19.00
WI/LTD	10.00	0.00
SICK DAYS	3.81	9.44
COMPASSIONATE LEAVE	4.00	0.00
FLOATERS	5.00	4.00
VACATION	64.38	79.88
BANKED TIME USED	23.91	15.22
OFF	0.72	1.97
STATUTORY HOLIDAYS	90.00	87.00
TOTAL	201.82	216.51

OVERTIME HOURS

Equivalent Straight Time Hours:

	2018	2019	2018	2019
	Dec	Dec	YearTo	Year To
			Date	Date
ADMINISTRATION	0.00	0.00	0.00	0.00
TRAVEL	2.50	0.00	50.50	30.00
ENGINEERING	0.00	0.00	7.50	0.00
INTERDEPARTMENTAL	0.00	8.25	47.25	100.00
PRIVATE WORK	1.50	0.00	5.25	31.00
RECYCLE/GARBAGE	0.75	0.00	42.25	35.50
ROADS	185.50	302.75	610.50	1174.75
SEWER COLLECTION	16.50	7.50	307.38	226.38
SIDEWALKS	36.00	43.50	54.00	187.50
STORES	13.50	22.00	19.50	27.50
VEHICLE & EQUIPMENT	10.00	8.50	38.00	62.50
WATER TREATMENT PLANT	12.00	20.00	254.50	289.00
WATER DISTRIBUTION	12.00	0.00	536.50	434.50
WATER TOWER	0.00	0.00	0.00	0.00
TOTAL	290.25	412.50	1973.13	2598.63

TRANSPORTATION REPORT

December 2019

ROADS:

Storm Water Management – Urban

Storm Water Management - Rural:

- Cleaned up branches, fallen trees and debris from ditches.

Hard Top Maintenance:

- Levelled utility cuts – twice weekly
- Pothole patching as required

Loose Top Maintenance:

Roadside Maintenance:

- Continued trimming trees along sidewalks, boulevards and lanes.
- Cleaned up fallen trees and branches along ditches in rural areas
- Removed several problem trees with the help of FFPC.

Winter Control:

- Five (5) events – December 5, 10, 14, 26 and 28.
- Plowed all roadways and lanes as required.
- Sanded/salted roads as required.
- Six employee night shift for Winter Control into effect on December 2nd.
- Removed snow from downtown area twice
- Removed snow from municipal parking lots twice
- Removed snow from OPP parking lot twice
- Removed snow from businesses and churches outside of the downtown area
- Removed snow piles from cul-de-sacs
- Removed snow from intersections and lane piles along priority routes.

Traffic Operations:

- Repaired and replaced signs as required
- Continued replacing signs that failed reflectivity testing

Regular Maintenance:

- Garbage pickup - Tuesday and Friday - Downtown and Public Works Shop
- Assisted Engineering with locates and CCTV inspections.
- Assisted with tasks at Civic Centre as required.
- Maintenance checks at the Civic Centre as required
- Repaired deficiencies found in Routine Road Patrols

Buildings and Grounds:

- Cleaned Shop as required
- Cleaned vehicles and equipment as required
- Plowed snow in all yards after events.

Private Work:**Sidewalks – Winter:**

- Cleaned snow and ice from Civic Centre sidewalks and applied ice melt as required.
- Cleaned snow from underpass sidewalk and downtown corners and applied ice melt or sand/salt as required.
- Plowed all sidewalks as required
- Sanded all sidewalks as required

Sidewalks – Summer:**Vehicles and Equipment:**

- Preventative Maintenance – pre-trip inspections 5:30 – 7:30 am Monday to Friday
- Regular scheduled maintenance of all vehicles and equipment
- Maintenance and repairs, Fire Department, Water Treatment Plant, Memorial Sports Centre, Day Care, Handi-Van, Airport and Civic Centre Vehicles as required

Public Relations:

- Put out truck route signs and delivered barricades for the annual Christmas Parade on December 6th
- Picked up truck route signs and barricades from the Christmas Parade on December 9th.

Sewer and Water:

- Provided labour and equipment for Water Distribution and Sewer Collection repairs and maintenance.

Sewer and Water (cont'd)

- Handed out “Water Turn Off Advisories”, “Drinking Water Advisories” and “Lifting of Drinking Water Advisories” when required
- Issued “Delinquent Account Notices” and turned off water for non-compliance as required.
- Cleared snow from fire hydrants with sidewalk plows
- Shoveled snow from around fire hydrants.

Interdepartmental:

- Eric Onichuk assisted Parks with a burial on December 20th and 23rd
- Removed Zamboni snow from Memorial Sports Centre twice
- Jeff Bragg provided coverage for vacation at the Airport on December 6th, 7th and 8th and again from December 17th to December 22nd.

Recycling:

- Emptied glass recycling bin as required
- Pushed up piles in recycling building as required
- Loaded Commercial Recycling Bin as required
- Cleaned up recycling yard

Training:

- Nick Wreggitt received training on the plow truck on December 4th.

Health & Safety:

- A workplace inspection was done at the Public Works building on December 4th.

Milt Strachan,
Superintendent of Transportation

TOWN OF FORT FRANCES
Operations and Facilities Division - Environmental Area - Operations Statistics
May-19

STAFFING:

See Operations Statistics prepared by M. Strachan, Superintendent of Transportation

OVERTIME HOURS - Equivalent Straight Time Hours

See Operations Statistics prepared by M. Strachan, Superintendent of Transportation

WATER DISTRIBUTION & WASTE WATER COLLECTION:

See Monthly Summary (Attached)
Gavin Richardson Started - GIS / Engineering Summer Student. May 21.
Garret Cain Started - Water Summer Student. May 6.
Installed new residential service on Cornwall Ave (McFee)
Repaired water main break on Armit @ Front Street
Repaired sewer service line on 900 block of Russell Bay
Fire hydrant hit in car accident @ 2nd St. E & Frenette - taken out of service.
Repaired water main break on 1300 block of Colonization Road W
Makkinga tied in Great Canadian Oil Change sanitary service on King's Hwy

WATER TREATMENT PLANT:

In receipt of the Water Treatment Plant Monthly Report
All operators and Craig Miller attended Chlorine Gas training (3 day course)
Greg Wiedenhoeft obtained Water Treatment Class 2 License
Randy White retired at the end of May
Internal Audit of DWQMS completed by Tyson Dennis
Round 1 of Lead Testing done (reduced frequency per MECP)

WASTE-WATER TREATMENT FACILITY:

In receipt of the Wastewater Treatment Facility Monthly Report.

WASTE MANAGEMENT:

Garbage Collection:

- Number of complaints regarding garbage collection:
Garbage not picked up- 25 houses
- Town - 0 complaints, Asselin's - 0 complaints

Sanitary Landfill /Waste Disposal Site:

Landfill Scales functioning during this period.

- Amount of residential waste delivered to the landfill:
- 339,830 kg
- Amount of ICI waste delivered to the landfill:
- 502,510 kg

Recycling:

- Number of complaints regarding recycled materials:
Recycle not picked up - 38
- Town - 0 complaints, Asselin's - 0 complaint
- Amount of recycled waste diverted from the landfill:
- 48.22 MT Emterra

Prepared by **B. Cra. M. He., P.Eng.**

Environmental Superintendent

Date:

2019/05/10

TOWN OF FORT FRANCES
Operations and Facilities Division - Environmental Area - Operations Statistics
June-19

STAFFING:

See Operations Statistics prepared by M. Strachan, Superintendent of Transportation

OVERTIME HOURS - Equivalent Straight Time Hours

See Operations Statistics prepared by M. Strachan, Superintendent of Transportation

WATER DISTRIBUTION & WASTE WATER COLLECTION:

See Monthly Summary (Attached)

Craig Miller wrote OIT exams.

Repaired water main break on 300 block of Scott St.

Installed new multi-residential service at 520 Scott St.

WATER TREATMENT PLANT:

In receipt of the Water Treatment Plant Monthly Report

Brad Webb started as ORO of Water Treatment Plant on June 1

WASTE-WATER TREATMENT FACILITY:

In receipt of the Wastewater Treatment Facility Monthly Report.

WASTE MANAGEMENT:

Garbage Collection:

- Number of complaints regarding garbage collection:
 - Garbage not picked up - 35 houses
 - Town - 0 complaints, Asselin's - 0 complaints

Sanitary Landfill /Waste Disposal Site):

Landfill Scales functioning during this period.

- Amount of residential waste delivered to the landfill:
 - 277,930 kg
- Amount of ICI waste delivered to the landfill:
 - 413,750 kg

Recycling:

- Number of complaints regarding recycled materials:
 - Recycle not picked up - 25 houses
 - Town - 0 complaints, Asselin's - 0 complaint
- Amount of recycled waste diverted from the landfill:
 - 36.64 MT Emterra

Prepared By: Craig Miller, P.Eng.

Environmental Superintendent

Date: June 19, 2019

TOWN OF FORT FRANCES
Operations and Facilities Division - Environmental Area - Operations Statistics
July-19

STAFFING:

See Operations Statistics prepared by M. Strachan, Superintendent of Transportation

OVERTIME HOURS - Equivalent Straight Time Hours

See Operations Statistics prepared by M. Strachan, Superintendent of Transportation

WATER DISTRIBUTION & WASTE WATER COLLECTION:

See Monthly Summary (Attached)

Repaired water main / service break on 1700 block of Colonization Road W

Repaired sewer main on 300 block of Armit

Repaired leaking water service on 400 block of Church St.

Erik Gustafson joined Water Department. July 3.

Jay Bruyere Interim ORO of Wastewater Collection System

Greg Wiedenhoeft bid out of water department to Class 11 Operator

Fire Hydrant at Huffman Court hit by semi-truck at taken out of service.

WATER TREATMENT PLANT:

In receipt of the Water Treatment Plant Monthly Report

WASTE-WATER TREATMENT FACILITY:

In receipt of the Wastewater Treatment Facility Monthly Report.

WASTE MANAGEMENT:

Garbage Collection:

- Number of complaints regarding garbage collection:
 - Garbage not picked up - 28 houses
 - Town - 0 complaints, Asselin's - 0 complaints

Sanitary Landfill (Waste Disposal Site):

Landfill Scales functioning during this period.

- Amount of residential waste delivered to the landfill:
 - 332,519 kg
- Amount of ICI waste delivered to the landfill:
 - 392,230 kg

Recycling:

- Number of complaints regarding recycled materials:
 - Recycle not picked up - 19 houses
 - Town - 0 complaints, Asselin's - 0 complaint
- Amount of recycled waste diverted from the landfill:
 - 34.38 MT Emterra

Prepared By: Craig Miller, P.Eng.

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Environmental Superintendent

Date:

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TOWN OF FORT FRANCES
Operations and Facilities Division - Environmental Area - Operations Statistics
August-19

STAFFING:

See Operations Statistics prepared by M. Strachan, Superintendent of Transportation

OVERTIME HOURS - Equivalent Straight Time Hours

See Operations Statistics prepared by M. Strachan, Superintendent of Transportation

WATER DISTRIBUTION & WASTE WATER COLLECTION:

See Monthly Summary (Attached)

Garret Cain Finished - Water Summer Student. August 29.

Gavin Richardson Finished - Water Summer Student. August 12.

St. Mary School water service tied in.

WATER TREATMENT PLANT:

In receipt of the Wastewater Treatment Facility Monthly Report.

Greg Wiedenhoef accepted OIC job at Water Treatment Plant

WASTE-WATER TREATMENT FACILITY:

In receipt of the Wastewater Treatment Facility Monthly Report.

Fine bubble diffusers installed at WWTP - energy savings

WASTE MANAGEMENT:

Garbage Collection:

- Number of complaints regarding garbage collection:
 - Garbage not picked up - 21 houses
 - Town - 0 complaints, Asselin's - 0 complaints

Sanitary Landfill (Waste Disposal Site):

Landfill Scales functioning during this period.

- Amount of residential waste delivered to the landfill:
 - 286,740 kg
- Amount of ICI waste delivered to the landfill:
 - 434,429 kg

Recycling:

- Number of complaints regarding recycled materials:
 - Recycle not picked up - 49 houses
 - Town - 0 complaints, Asselin's - 0 complaint
- Amount of recycled waste diverted from the landfill:
 - 44.22 MT Emterra

Prepared By: Craig Miller, P.Eng.

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Environmental Superintendent

Date: C{y 1-10-19

TOWN OF FORT FRANCES
Operations and Facilities Division - Environmental Area - Operations Statistics
September-19

STAFFING:

See Operations Statistics prepared by M. Strachan, Superintendent of Transportation

OVERTIME HOURS - Equivalent Straight Time Hours

See Operations Statistics prepared by M. Strachan, Superintendent of Transportation

WATER DISTRIBUTION & WASTE WATER COLLECTION:

See Monthly Summary (Attached)

Erik Gustafson attended OIT Course and wrote OIT exams.

Craig Miller completed JHSC Part 2 training and became certified JHSC member

Bryan Patterson attended course and wrote Water Treatment Class 1 exam and Wastewater collection Class 1 exam.

WATER TREATMENT PLANT:

In receipt of the Wastewater Treatment Facility Monthly Report.

Started new rotation system at Water Treatment Plant to cross-train employees

WASTE-WATER TREATMENT FACILITY:

In receipt of the Wastewater Treatment Facility Monthly Report.

WASTE MANAGEMENT:

Garbage Collection:

- Number of complaints regarding garbage collection:
Garbage not picked up - 28 houses
- Town - 0 complaints, Asselin's - 0 complaints

Sanitary Landfill (Waste Disposal Site):

Landfill Scales functioning during this period.

- Amount of residential waste delivered to the landfill:
- 239,870 kg
- Amount of ICI waste delivered to the landfill:
- 411,940 kg

Recycling:

- Number of complaints regarding recycled materials:
Recycle not picked up - 29 houses
- Town - 0 complaints, Asselin's - 0 complaint
- Amount of recycled waste diverted from the landfill:
- 42.54 MT Emterra

Prepared By: Craig Miller, P.Eng.

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Environmental Superintendent

Date: - - - 4/11/19 - -

TOWN OF FORT FRANCES
Operations and Facilities Division - Environmental Area - Operations Statistics
October-19

STAFFING:

See Operations Statistics prepared by M. Strachan, Superintendent of Transportation

OVERTIME HOURS - Equivalent Straight Time Hours

See Operations Statistics prepared by M. Strachan, Superintendent of Transportation

WATER DISTRIBUTION & WASTE WATER COLLECTION:

See Monthly Summary (Attached)

Erik Gustafson attended Entry Level Course for Drinking Water Operators

Bryan Patterson attended MaintenanceFest in Thunder Bay and NWOWWC Conference

Jay Bruyere attended MaintenanceFest in Thunder Bay and NWOWWC Conference

Paul LeMesurier attended MaintenanceFest in Thunder Bay and NWOWWC Conference

TravisRob attended NWOWWC Conference in Thunder Bay

New fire hydrant installed at Huffman Court

New fire hydrant installed at 2nd St. E & Frenette

New Service installed for OPP Station on Colonization Road W.

WATER TREATMENT PLANT:

In receipt of the Wastewater Treatment Facility Monthly Report.

DWQMS Management Review completed October 21

Brad Webb attended MaintenanceFest in Thunder Bay and NWOWWC Conference

Greg Wiedenhoef attended continuing education courses in Dryden (3 day)

WASTE-WATER TREATMENT FACILITY:

In receipt of the Wastewater Treatment Facility Monthly Report.

Very high flows - stopped accepting New Gold Sewage

Installed new fire hydrant at WWTP.

WASTE MANAGEMENT:

Garbage Collection:

- Number of complaints regarding garbage collection:
 - Garbage not picked up - 34 houses
 - Town - 0 complaints, Asselin's - 0 complaints

Sanitary Landfill (Waste Disposal Site):

Landfill Scales functioning during this period.

- Amount of residential waste delivered to the landfill:
 - 261,903 kg
- Amount of ICI waste delivered to the landfill:
 - 400,428 kg

Recycling:

- Number of complaints regarding recycled materials:
 - Recycle not picked up - 35 houses
 - Town - 0 complaints, Asselin's - 0 complaint
- Amount of recycled waste diverted from the landfill:
 - 21.10 MT Emterra

Prepared By: Craig Miller, P.Eng.

Craig Miller

Environmental Superintendent

Date: 1/30/20

1/30/20

TOWN OF FORT FRANCES
Operations and Facilities Division - Environmental Area - Operations Statistics
November-19

STAFFING:

See Operations Statistics prepared by M. Strachan, Superintendent of Transportation

OVERTIME HOURS - Equivalent Straight Time Hours

See Operations Statistics prepared by M. Strachan, Superintendent of Transportation

WATER DISTRIBUTION & WASTE WATER COLLECTION:

See Monthly Summary (Attached)

Joel Nicolay attended Water Distribution 1 Course and wrote WDI exam.

Jay Bruyere attended Wastewater Collection 2 Course and wrote WWC2 exam.

Installed new service for UNFC daycare on McIrvine Road

WATER TREATMENT PLANT:

In receipt of the Wastewater Treatment Facility Monthly Report.

Completed and passed external DWQMS audit.

Greg Wiedenhoft and Paul LeMesurier accepted interim ORO job at Water Treatment Plant

Round 2 of lead testing done per MECF.

WASTE-WATER TREATMENT FACILITY:

In receipt of the Wastewater Treatment Facility Monthly Report.

Started accepting New Gold Sewage at the end of November

Repaired garage entry door at WWTP.

WASTE MANAGEMENT:

Awarded new 3 year garbage tender to Asselin's

Garbage Collection:

- Number of complaints regarding garbage collection:

Garbage not picked up - 20 houses

- Town - 0 complaints, Asselin's - 0 complaints

Sanitary Landfill (Waste Disposal Site):

Landfill Scales functioning during this period.

- Amount of residential waste delivered to the landfill:

- 217,810 kg

- Amount of ICI waste delivered to the landfill:

- 451,660 kg

Recycling:

- Number of complaints regarding recycled materials:

Recycle not picked up - 13 houses

- Town - 0 complaints, Asselin's - 0 complaint

- Amount of recycled waste diverted from the landfill:

- 55.22 MT Emterra

Prepared By: Craig Miller, P.Eng.

C@J

Environmental Superintendent

Date: _____

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TOWN OF FORT FRANCES
Operations and Facilities Division - Environmental Area - Operations Statistics
December-19

STAFFING:

See Operations Statistics prepared by M. Strachan, Superintendent of Transportation

OVERTIME HOURS - Equivalent Straight Time Hours

See Operations Statistics prepared by M. Strachan, Superintendent of Transportation

WATER DISTRIBUTION & WASTE WATER COLLECTION:

See Monthly Summary (Attached)

Jay Bruyere obtained Wastewater Collection Class 2 License

Jay Bruyere ORO of Wastewater Collection System

Utilized Asselin's to clean out Central and 5th Street Lift Stations

WATER TREATMENT PLANT:

In receipt of the Wastewater Treatment Facility Monthly Report.

Randy White accepted interim ORO job at Water Treatment Plant

Awarded new 3 year chemical bids for water treatment to various vendors.

Recommended new 5 year SCADA support contract with Lakeside Process Controls.

WASTE-WATER TREATMENT FACILITY:

In receipt of the Wastewater Treatment Facility Monthly Report.

Recommended new 5 year SCADA support contract with Lakeside Process Controls.

WASTE MANAGEMENT:

Garbage Collection:

- Number of complaints regarding garbage collection:
Garbage not picked up - 28 houses
- Town - 0 complaints, Asselin's - 0 complaints

Sanitary Landfill (Waste Disposal Site):

Landfill Scales functioning during this period.

- Amount of residential waste delivered to the landfill:
-134,350 kg
- Amount of ICI waste delivered to the landfill:
- 290,330 kg

Recycling:

- Number of complaints regarding recycled materials:
Recycle not picked up - 26 houses
- Town - 0 complaints, Asselin's - 0 complaint
- Amount of recycled waste diverted from the landfill:
- 45.03 MT Emterra

Prepared By: Craig Miller, P.Eng.

Environmental Superintendent

Date: 11/30/20

Water Works		Years	
DATE	WORK	2018	2019
Jan	THAW FROZEN WL	1	6
	TURN WATER OFF	1	6
	TURN WATER OFF/ON	4	5
	TURN WATER ON	5	
Jan Total		11	17
Feb	THAW FROZEN WL	27	11
	TURN WATER OFF	3	3
	TURN WATER OFF/ON		5
	TURN WATER ON	3	
Feb Total		33	19
Mar	THAW FROZEN WL	3	27
	TURN WATER OFF		2
	TURN WATER OFF/ON	3	3
	TURN WATER ON	12	7
Mar Total		18	39
Apr	SET UP HYDRANT		1
	THAW FROZEN WL		5
	TURN WATER OFF	3	2
	TURN WATER OFF/ON	1	1
	TURN WATER ON	16	24
Apr Total		20	33
Ma y	CHECK WATER SERVICE		1
	CONNECTION INSPECTION	1	1
	TRACE SERVICES		1
	TURN WATER OFF	3	3
	TURN WATER OFF/ON	1	3
	TURN WATER ON	15	14
	TURN WATER ON	1	
Mav Total		21	23
Jun	RAISE CS TO GRADE	1	
	TRACE SERVICES		1
	TURN WATER OFF	4	3
	TURN WATER OFF/ON	3	3
	TURN WATER ON	4	6
Jun Total		12	13
Jul	CONNECTION INSPECTION	3	1
	LIVE TAP SERVICE	1	
	REPAIR CURBSTOP		3
	TERMINATE WATER	1	
	TRACE SERVICES	2	2
	TURN WATER OFF		1
	TURN WATER OFF/ON	4	4
	TURN WATER ON	2	4
Jul Total		13	15
Aug	TRACE SERVICES	1	1
	TURN WATER OFF	2	1
	TURN WATER OFF/ON	3	
	TURN WATER ON	2	1
Aug Total		8	3
Sep	CONNECTION INSPECTION	4	
	TEST BACKFLOW	1	
	TRACE SERVICES	1	
	TURN WATER OFF	4	4
	TURN WATER OFF/ON	2	2
	TURN WATER ON	4	
SeP Total		16	6
Oct	CONNECTION INSPECTION	1	
	TURN WATER OFF	13	15
	TURN WATER OFF/ON	3	4
	TURN WATER ON	3	7
Oct Total		20	26
Nov	CONNECTION INSPECTION	1	
	TURN WATER OFF	14	11
	TURN WATER OFF/ON	1	3
	TURN WATER ON	4	2
Nov Total		20	16
Dec	EXPOSE WATERLINE	1	
	TURN WATER OFF	7	10
	TURN WATER OFF/ON	3	2
	TURN WATER ON	2	1
Dec Total		13	13
Grand Total		205	223

Sewer Works		Years	
DATE	WORK	2018	2019
Jan	CCTV SEWER SERVICE	1	1
	UNPLUG SANITARY SEWER	20	21
Jan Total		21	22
Feb	CCTV SEWER SERVICE	2	2
	THAW FROZEN SEWER	1	
	UNPLUG SANITARY SEWER	20	10
Feb Total		23	12
Mar	CCTV SEWER SERVICE	1	1
	CONNECTION INSPECTION		1
	UNPLUG SANITARY SEWER	12	9
Mar Total		13	11
Apr	CCTV SEWER SERVICE	3	6
	UNPLUG SANITARY SEWER	15	7
Apr Total		18	13
Ma y	CCTV SEWER SERVICE	1	
	CONNECTION INSPECTION	1	1
	THAW FROZEN SEWER	1	
	UNPLUG SANITARY SEWER	15	10
Mav Total		18	11
Jun	CCTV SEWER SERVICE		4
	CONNECTION INSPECTION		1
	TRACE SERVICES		2
	UNPLUG SANITARY SEWER	14	3
Jun Total		14	10
Jul	CCTV SEWER SERVICE		1
	CONNECTION INSPECTION	3	2
	TRACE SERVICES		4
	UNPLUG SANITARY SEWER	6	9
	VAC OUT SEWER MAIN		1
Jul Total		9	17
Aug	CCTV SEWER SERVICE	5	2
	TRACE SERVICES	2	2
	UNPLUG SANITARY SEWER	11	8
Aug Total		18	12
Sep	CCTV SEWER SERVICE	2	4
	CONNECTION INSPECTION	4	
	TRACE SERVICES		1
	UNPLUG SANITARY SEWER	5	11
	VAC OUT SEWER MAIN		1
SeP Total		11	17
Oct	CCTV SEWER SERVICE	2	2
	CONNECTION INSPECTION	2	1
	TRACE SERVICES		1
	UNPLUG SANITARY SEWER	11	12
Oct Total		15	16
Nov	CCTV SEWER SERVICE	2	
	PREVENTATIVE ROOTING	1	
	UNPLUG SANITARY SEWER	17	12
Nov Total		20	12
Dec	UNPLUG SANITARY SEWER	3	4
Dec Total		3	4
Grand Total		183	246

Svstem Renairs		Years	
DATE	TYPE	2018	2019
Jan	CURBSTOP		1
	WATERMAIN	1	1
Jan Total		1	2
Feb	CLEANOUT		2
	CURBSTOP		8
	SEWER SERVICE		1
	WATER SERVICE		2
Feb Total			13
Mar	CLEANOUT		2
	CURBSTOP		2
	WATER SERVICE	2	
Mar Total		2	4
Apr	CLEANOUT		1
	CLEANOUT/CURBSTOP	1	
	CURBSTOP	1	9
	MANHOLE		2
	SEWER MAIN		1
	WATER MAIN	1	
	WATER SERVICE	1	
Apr Total		4	13
Mav	CLEANOUT	3	4
	CLEANOUT/CURBSTOP	1	
	CURBSTOP	4	8
	MANHOLE		1
	SEWER SERVICE		2
	WATER SERVICE		1
	WATERMAIN	4	1
Mav Total		12	17
Jun	CURBSTOP		5
	MANHOLE	1	
	WATER SERVICE		2
	WATERMAIN	1	1
Jun Total		2	8
Jul	CURBSTOP	3	10
	WATER SERVICE		1
Jul Total		3	11
Aug	CLEANOUT	1	2
	CURBSTOP	3	18
	WATER/SEWER	1	
Aug Total		5	20
SeP	CLEANOUT	2	
	CURBSTOP	26	
	WATER SERVICE	1	
	WATERMAIN	1	
Seo Total		30	
Oct	CURBSTOP	7	1
	MANHOLE	1	
	SEWER SERVICE	1	
	WATER SERVICE	1	
Oct Total		10	1
Nov	CLEANOUT	1	
	CURBSTOP	1	2
	WATER SERVICE	1	
Nov Total		3	2
Dec	CURBSTOP	1	1
	WATER SERVICE	1	
Dec Total		2	1
Grand Total		74	92

Valves Turned In 2019	
Months	Total
Jan	3
Feb	0
Mar	3
Apr	6
May	4
Jun	26
Jul	24
Aug	37
Sep	7
Oct	20
Nov	1
Dec	0
Grand Total	131

Water Lines Flushed in 2019	
Months	Total
Jan	2
Feb	0
Mar	3
Apr	5
May	6
Jun	19
Jul	17
Aug	41
Sep	15
Oct	22
Nov	1
Dec	1
Grand Total	132