

TOWN OF FORT FRANCES

Operations and Facilities Executive Committee

AGENDA - January 22, 2020, 8:30 AM

MEETING - Civic Centre

Session #002

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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 held January 8, 2020.	2 - 3
4. <u>Non-agenda Items</u>	
5. <u>New Business</u>	
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6.2 Sewer and Water Data for 2019	34
6.3 2019 Tonnage at the Landfill Site - updated January 16, 2020	35
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7. <u>Adjourn / Next Meeting Date</u>	

TOWN OF FORT FRANCES

MINUTES

SESSION NO. #001

January 8, 2020

The meeting of Operations & Facilities Executive Committee of the Town of Fort Frances was held in the Civic Centre on January 8, 2020 from 8:30 a.m. to 10:25 a.m.

PRESENT: Chairperson R. Wiedenhoeft - Councillor, M. Behan - Councillor, J. McTaggart - Councillor, Mayor J. Caul (ex-officio)

ALSO PRESENT: T. Rob, Manager of Operations & Facilities, D. Brown, CAO, Adam Mitchell (8:30 a.m. to 8:55 a.m.) and Doug Judson (8:45 a.m. to 9:11 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 on December 4, 2019 - the minutes were approved as circulated.

4 Non-agenda Items

4.1 None

5 New Business

5.1 Annual Energy Conservation and Demand Management Report - the administration report was approved as presented. (Adam Mitchell was in attendance 8:30 a.m. to 8:55 a.m.)

5.2 Letter Dated November 20, 2019 Re: Single Use Plastics - the committee recommended to bring forward the amended by-law. (Doug Judson was in attendance from 8:45 a.m. to 9:11 a.m.)

5.3 2020 Investing in Canada Infrastructure Program Funding Agreement - Colonization Road West - the administration report was approved as presented.

- 5.4 Lakeside Process Controls Support Agreement Renewal - the administration report was approved as recommended.
- 5.5 Award of Tender 19-OF-14 - 2020 Colonization Road Reconstruction - the tender report was approved as recommended.
- 5.6 First Draft of 2020 Operating and Capital Budget for Operations and Facilities Division - the first draft was received by the committee.

6 Information

- 6.1 Fort Frances Wastewater Treatment Facility November 2019 Monthly Report - the monthly report was received and will be forwarded to Council as information only. No action required.

7 Adjourn / Next Meeting Date

- 7.1 The meeting adjourned at 10:25 a.m.

Next meeting January 22, 2020.

Executive Committee Chair

T. Rob, Manager of Operations & Facilities

January 22, 2020

Report To: Mayor and Council

From: Travis Rob, Manager of Operations and Facilities

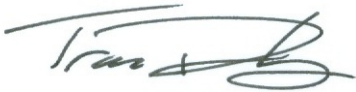
RE: Amending agreement with Automotive Materials Stewardship

With the coming transition to full producer responsibility in both the Municipal Household and Special (MHSW) and Bluebox Recycle programs the funding agencies we currently work with have been bringing forward amendments to their current funding agreements to help with making the transition seamless.

Attached you will find an amending agreement with Automotive Materials Stewardship (AMS) who fund the recycle of oil filters, coolant and empty oil/coolant containers. Stewardship Ontario has already brought forward an amending agreement which was passed through Council late in 2019.

It is the recommendation of the Operations and Facilities Executive Committee that the Town enter into the amending agreement with Automotive Materials Stewardship and further the Mayor and Clerk be authorized to execute the agreement on behalf of the corporation.

Respectfully Submitted



Travis Rob, P.Eng

Council approval of this report will agree with the recommendation of the Operations and Facilities Executive Committee that the Town enter into the amending agreement with Automotive Materials Stewardship and further the Mayor and Clerk be authorized to execute the agreement on behalf of the corporation.

Manager of Operations and Facilities

2020Jan AMS Amending Agreement



January 10, 2020

Subject: Automotive Materials Stewardship – AMS Municipal Amending Agreement

ACTION REQUIRED

Dear Municipal / First Nations Partner,

Please find attached to this email a copy of an amendment to your Municipal Automotive Materials Services Agreement.

As you are aware, your current Municipal Automotive Materials Services Agreement expires on March 31, 2020. This amendment will extend the current term date past March 31, 2020 and allow AMS to continue to provide Depot Hour and/or Event payments to municipalities and First Nations for the collection of automotive materials (antifreeze, oil containers, oil filters).

If your municipality or First Nation community still wishes to participate in the AMS program, please ensure that AMS receives a signed amended **no later than March 15, 2020**. Signed amendments can be emailed to fieldservices@autostewardship.ca. Please note that AMS does not require a signed hard copy.

If AMS does not receive a signed amendment by March 15, 2020 your community will not be eligible to receive any Depot Hour and/or Event payments from AMS after March 31, 2020.

If you do not wish to continue participation in the program, or if you have any questions about this amending agreement, please let us know by emailing us at fieldservices@autostewardship.ca.

Regards,

David Pearce
Board Secretary & Operations Officer
Automotive Materials Stewardship

**AMENDING AGREEMENT
MUNICIPAL AUTOMOTIVE MATERIALS SERVICES AGREEMENT**

This Amending Agreement (the “**Amending Agreement**”) is made as of January 8, 2020.

BETWEEN:

AUTOMOTIVE MATERIALS STEWARDSHIP INC. (“AMS”)

and

THE CORPORATION OF THE TOWN OF FORT FRANCES (the “Municipality”)

(collectively, the “**Parties**”)

WHEREAS:

- A. AMS and the Municipality entered into an agreement concerning the collection of certain automotive materials dated April 1, 2017 (as amended, modified or restated from time to time, by the Parties, the “**AMS Services Agreement**”);
- B. The parties wish to make certain amendments to the Agreement as set out herein.

NOW THEREFORE, FOR VALUE RECEIVED, the Parties agree as follows:

- 1. The AMS Services Agreement is hereby amended in accordance with the provisions set out in Schedule “A” hereto effective as of February 1, 2020.
- 2. All capitalized terms which are used herein without being specifically defined herein shall have the meanings ascribed to them in the AMS Services Agreement.
- 3. Any section marked as “Intentionally Deleted” in the AMS Services Agreement remains “Intentionally Deleted” and is not replaced by or amended by anything in Schedule “A”.
- 4. Except as amended by the amendments expressly set forth in Schedule “A” of this Amending Agreement, the AMS Services Agreement shall remain unchanged and continue in full force and effect and is hereby in all other respects ratified and confirmed.
- 5. If any provision of this Amending Agreement is or becomes illegal, invalid or unenforceable in any jurisdiction, the illegality, invalidity or unenforceability of that provision will not affect (a) the legality, validity or enforceability of the remaining provisions of this Amending Agreement or (b) the legality, validity or enforceability of that provision in any other jurisdiction.
- 6. This Amending Agreement shall be governed by and construed in accordance with the laws of the Province of Ontario and the federal laws of Canada applicable therein and each of the Parties

hereto agrees irrevocably to conform to the non-exclusive jurisdiction of the Courts of such Province.

7. This Amending Agreement shall enure to the benefit of and shall be binding upon the Parties hereto and their respective successors and permitted assigns. Nothing in this Amending Agreement, express or implied, shall give to any Person, other than the parties hereto and their successors hereunder, any benefit or any legal or equitable right, remedy or claim under this Amending Agreement.

8. If any provision of this Amending Agreement is inconsistent or conflicts with any provision of the AMS Services Agreement, the relevant provision of this Amending Agreement shall prevail and be paramount.

9. Schedule "A" is attached hereto and incorporated in and forms part of this Amending Agreement.

10. This Amending Agreement may be executed in one or more counterparts, including by means of facsimile and/or portable document format, each of which shall be deemed to be a duplicate original, but all of which, taken together, constitute a single document.

IN WITNESS WHEREOF the Parties have signed this Amending Agreement as of the date first set out above.

**AUTOMOTIVE MATERIALS
STEWARDSHIP INC.**

By: _____
Name: David Pearce
Title: Board Secretary & Operations Officer

**THE CORPORATION OF THE TOWN OF
FORT FRANCES**

By: _____
Name:
Title:

**SCHEDULE “A” TO THE AMENDING AGREEMENT
MUNICIPAL AUTOMOTIVE MATERIALS SERVICES AGREEMENT**

The Parties agree to amend the AMS Services Agreement as follows:

1. Section 4.1 of the AMS Services Agreement is deleted in its entirety and replaced with the following new Sections 4.1 and 4.2:

- “4.1 This Agreement will commence on the Effective Date and its initial term will continue until the March 31, 2020. The initial term and any such additional term or terms are herein referred to as the “**Initial Term**”.”.
- “4.2 At the expiry of the Initial Term this Agreement will automatically renew for successive renewal terms (each a “**Renewal Term**”) of twelve (12) months each unless written notice of termination is provided by either party to the other party at least ninety (90) days prior to the expiry of the Initial Term or the then current Renewal Term, as applicable. The Initial Term and if applicable, any Renewal Terms, are referred to as the “**Term**” of this Agreement. The termination provisions contained in this section are subject to the parties’ termination rights in Section 19 of this Agreement.”

January 22, 2020

Report To: Mayor and Council

From: Travis Rob, Manager of Operations and Facilities

RE: Award of Tender 19-OF-18 – 2020 Scott Street Reconstruction

During the week of November 28, 2019, the Town advertised for a Tender Call for the reconstruction of Scott Street from Colonization Road East to Reid Avenue with the tender closing on Tuesday, January 14, 2020. Advertisements were placed in the Fort Frances Times, Chronicle Journal, Thunder Bay Construction Association, Winnipeg Construction Association and on the Town of Fort Frances website.

Four (4) tender packages were distributed to construction contractors and/or suppliers with for (4) Contractors submitting tender bids;

Contractor	Price (HST Included plus \$150,000.00 Contingency Allowance)
Bay City Contractors	\$5,489,144.50
George Armstrong Co.	\$5,051,359.90
Tom Veert Contracting	\$5,019,634.26
1876118 Ontario Ltd.	\$5,007,764.50

The works tendered consisted of two (2) individual projects to be completed in 2020, and one in 2021. The projects are as follows:

2020 Construction Program

1. Reconstruction of Scott Street from Colonization Road East to Reid Avenue

Full recondition of Scott Street including the replacement of sanitary sewer main, watermain, asphalt binder surface, storm sewer.

2021 Construction Program

2. Surface Coarse paving of Scott Street

Installation of the Surface Coarse paving on Scott Street from Colonization Road East to Reid Avenue including line painting and sidewalk replacement.

The 2020 work is scheduled to begin ASAP in May and to be completed by October 16, 2020 with the 2021 work to be completed by July 16, 2021 .

In accordance with the Town's procurement policy, Administration has an obligation to point out to Council any tender irregularities. All tenders submitted were complete and compliant. The original tender form included a credit for the use of sand bedding instead of stone bedding in their total. The actual credit amount would be based on amount of sand used so should not be considered in the tender total. **See Spreadsheet No. 1**, which outlines details on the four (4) tender bids received and the associated costs for each individual project. Also, highlighted in "green" indicates the lowest unit bid price and "red" indicates the highest unit bid price and the 2019 works are shown in "blue" text.

The low tender bid was 1876118 Ontario Ltd. o/a Makkinga Contracting with a total cost of \$5,007,764.50 which includes a \$150,000 contingency allowance for the 2020 works and \$75,000

contingency allowance for the 2021 works and HST. Please review the attached **Spreadsheet No. 2** - outlining the 2020 capital budget allocations for each project vs. the lowest tender bid from 1876118 Ontario Ltd. plus KGS Group engineering costs (10%) and all funding allocations.

Please find attached a letter report from KGS Group recommending that 1876118 Ontario Ltd. o/a Makkinga Contracting be awarded this tender as they are the low tender and, in the past, have performed well on similar projects in our community.

It is recommended by Administration that the following be approved:

- That Tender 19-OF-18 – 2020 – 2021 Roadway Reconstruction of Scott Street Reid Avenue to Colonization Road East be awarded to 1876118 Ontario Ltd. o/a Makkinga Contracting for a total tender price of \$5,007,764.50 including HST and a total contingency allowance of \$225,000.00.
- That prior to construction start, an open house public meeting is scheduled to ensure all property owners abutting the construction projects obtain first-hand knowledge of these projects and have the opportunity to ask any questions. The exact date of the meeting is unknown at the time of writing this report.
- That the Mayor and Clerk be authorized to execute the contract documents on behalf of the Corporation of the Town of Fort Frances.

Respectfully Submitted



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

Council approval of this report will ensure:

- **That Tender 19-OF-18 – 2020 – 2021 Roadway Reconstruction of Scott Street Reid Avenue to Colonization Road East be awarded to 1876118 Ontario Ltd. o/a Makkinga Contracting for a total tender price of \$5,007,764.50 including HST and a total contingency allowance of \$225,000.00.**
- **That prior to construction start, an open house public meeting is scheduled to ensure all property owners abutting the construction projects obtain first-hand knowledge of these projects and have the opportunity to ask any questions. The exact date of the meeting is unknown at the time of writing this report.**
- **That the Mayor and Clerk be authorized to execute the contract documents on behalf of the Corporation of the Town of Fort Frances.**

1.8 ENGINEER'S ESTIMATE OF TENDER PRICES

2020-2021 Roadway Reconstruction of Scott Street - Reid Avenue to Colonization Road East (P) Plan Quantity					Bay City Contractors		George Armstrong Co.		Tom Veert Contracting		1876118 Ontario Ltd. o/a Makkinga Contractors	
ITEM NO.	OPS SPEC.	DESCRIPTION	EST. QTY	UNIT	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE
PHASE 1 - (WORK TO BE COMPLETED IN 2020)												
SECTION A - PHASE 1 - SEWER & WATERMAIN WORKS AND ROAD BASE AND CURB WORKS												
ROADWAY RECONSTRUCTION												
A.001	206, SP	Common Excavation	8600	m ³ (P)	\$14.50	\$124,700.00	\$10.00	\$86,000.00	\$11.72	\$100,792.00	\$12.00	\$103,200.00
A.002	310, SP	Hot Mix Superpave 19.0 (70mm Thick Binder Course)	1700	tonnes	\$270.00	\$459,000.00	\$235.00	\$399,500.00	\$267.28	\$454,376.00	\$245.00	\$416,500.00
A.003	532, SP	Pavement Markings	1500	m	\$12.00	\$18,000.00	\$12.00	\$18,000.00	\$12.91	\$19,365.00	\$11.00	\$16,500.00
A.004	314, SP	Granular "A" Base Course	5500	tonnes	\$25.00	\$137,500.00	\$25.00	\$137,500.00	\$17.06	\$93,830.00	\$22.00	\$121,000.00
A.005	314, SP	Granular "B" Sub-base Course	12500	tonnes	\$25.00	\$312,500.00	\$25.00	\$312,500.00	\$17.91	\$223,875.00	\$24.00	\$300,000.00
A.006	1860, SP	Geogrid	10600	m ² (P)	\$4.00	\$42,400.00	\$5.00	\$53,000.00	\$4.27	\$45,262.00	\$5.00	\$53,000.00
A.007	353 SP	Concrete Curb and Gutter	1350	m (P)	\$150.00	\$202,500.00	\$122.00	\$164,700.00	\$126.52	\$170,802.00	\$145.00	\$195,750.00
A.008	510, SP	Removal of Asphalt Pavement (Full Depth)	9500	m ² (P)	\$5.00	\$47,500.00	\$5.00	\$47,500.00	\$2.17	\$20,615.00	\$5.00	\$47,500.00
A.009	510, SP	Removal of Concrete Curb and Gutter	1350	m (P)	\$17.00	\$22,950.00	\$12.00	\$16,200.00	\$6.70	\$9,045.00	\$25.00	\$33,750.00
A.010	510, SP	Removal of Existing Concrete Driveway Approach	330	m ² (P)	\$25.00	\$8,250.00	\$24.00	\$7,920.00	\$76.29	\$25,175.70	\$25.00	\$8,250.00
subtotal						\$1,375,300.00		\$1,242,820.00		\$1,163,137.70		\$1,295,450.00
SIDEWALK RECONSTRUCTION												
A.011	510, SP	Removal of Existing Concrete Sidewalk	370	m ² (P)	\$25.00	\$9,250.00	\$57.00	\$21,090.00	\$72.77	\$26,924.90	\$25.00	\$9,250.00
A.012	310, SP	Concrete Sidewalk	170	m ² (P)	\$200.00	\$34,000.00	\$203.00	\$34,510.00	\$227.52	\$38,678.40	\$146.00	\$24,820.00
A.013	310, SP	Tactile Warning Plates	65	each	\$360.00	\$23,400.00	\$320.00	\$20,800.00	\$354.00	\$23,010.00	\$325.00	\$21,125.00
subtotal						\$66,650.00		\$76,400.00		\$88,613.30		\$55,195.00
Total Grading						\$1,441,950.00		\$1,319,220.00		\$1,251,751.00		\$1,350,645.00
STORM SEWERS												
A.014	510	Removal of Storm Sewer Manholes and Catchbasins	30	ea (P)	\$800.00	\$24,000.00	\$210.00	\$6,300.00	\$413.55	\$12,406.50	\$900.00	\$27,000.00
A.015	510	Removal of Existing Storm Pipe	65	m (P)	\$30.00	\$1,950.00	\$210.00	\$13,650.00	\$461.79	\$30,016.35	\$25.00	\$1,625.00
A.016	407, SP	Precast Concrete Catchbasin (OPSD 705.010)	18	ea (P)	\$6,100.00	\$109,800.00	\$4,200.00	\$75,600.00	\$4,728.03	\$85,104.54	\$4,500.00	\$81,000.00
A.017	407, SP	Precast Concrete Manhole-1200 mm diameter (OPSD 701.010)	7	ea (P)	\$9,750.00	\$68,250.00	\$10,500.00	\$73,500.00	\$8,914.27	\$62,399.89	\$11,000.00	\$77,000.00
A.018	407, SP	Precast Concrete Manhole-2400 mm diameter (OPSD 701.010)	4	ea (P)	\$23,000.00	\$92,000.00	\$26,250.00	\$105,000.00	\$23,431.62	\$93,726.48	\$24,000.00	\$96,000.00
A.019	410, SP	Plug storm sewer lead	1	ea (P)	\$500.00	\$500.00	\$1,050.00	\$1,050.00	\$720.47	\$720.47	\$1,500.00	\$1,500.00
A.020	410, SP	250mm diameter PVC SDR 35 Storm Sewer	200	m (P)	\$265.00	\$53,000.00	\$420.00	\$84,000.00	\$493.74	\$98,748.00	\$275.00	\$55,000.00
A.021	410, SP	300mm diameter 1.6mm thick - Alumnized Type 2 Metal CSP Culvert	10	m (P)	\$275.00	\$2,750.00	\$420.00	\$4,200.00	\$480.44	\$4,804.40	\$450.00	\$4,500.00
A.022	410, SP	450mm diameter PVC SDR 35 Storm Sewer	25	m (P)	\$495.00	\$12,375.00	\$525.00	\$13,125.00	\$706.02	\$17,650.50	\$700.00	\$17,500.00
A.023	410, SP	1375mm diameter - 2.0mm thick - Aluminized Type 2 Metal CSP Storm Sewer Pipe	335	m (P)	\$1,175.00	\$393,625.00	\$735.00	\$246,225.00	\$824.45	\$276,190.75	\$1,350.00	\$452,250.00
A.024	410, SP	Connection to 1375mm diameter CSP Storm Sewer	4	ea (P)	\$1,000.00	\$4,000.00	\$15,750.00	\$63,000.00	\$7,520.31	\$30,081.24	\$3,000.00	\$12,000.00
subtotal						\$762,250.00		\$685,650.00		\$711,849.12		\$825,375.00
WATERMAINS												
A.025	SP	150 mm PVC DR 18 Class 150 Watermain	65	m (P)	\$485.00	\$31,525.00	\$420.00	\$27,300.00	\$531.62	\$34,555.30	\$295.00	\$19,175.00
A.026	SP	250 mm PVC DR 18 Class 150 Watermain	700	m (P)	\$590.00	\$413,000.00	\$475.00	\$332,500.00	\$493.38	\$345,366.00	\$365.00	\$255,500.00
A.027	SP	Supply and Install new 150 mm Watervalue and box including connection to watermain	4	ea (P)	\$3,000.00	\$12,000.00	\$4,200.00	\$16,800.00	\$2,852.64	\$11,410.56	\$2,750.00	\$11,000.00
A.028	SP	Supply and Install new 250 mm Watervalue and box including connection to watermain	7	ea (P)	\$5,600.00	\$39,200.00	\$7,875.00	\$55,125.00	\$5,073.45	\$35,514.15	\$5,500.00	\$38,500.00

ITEM NO.	OPS SPEC.	DESCRIPTION	EST. QTY	UNIT	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE
A.029	SP	Temporary Water Service	1	L.S.	\$15,000.00	\$15,000.00	\$26,250.00	\$26,250.00	\$11,508.03	\$11,508.03	\$25,000.00	\$25,000.00
A.030	SP	Connect new 150 watermain to Existing 150 Watermain	4	ea (P)	\$3,500.00	\$14,000.00	\$10,500.00	\$42,000.00	\$1,594.72	\$6,378.88	\$4,100.00	\$16,400.00
A.031	SP	Connect new 250 watermain to Existing 250 Watermain	2	ea (P)	\$3,500.00	\$7,000.00	\$15,750.00	\$31,500.00	\$2,094.39	\$4,188.78	\$4,100.00	\$8,200.00
A.032	SP	Reconnect water services to new 150 mm watermain	2	ea (P)	\$500.00	\$1,000.00	\$2,100.00	\$4,200.00	\$649.26	\$1,298.52	\$900.00	\$1,800.00
A.033	SP	Reconnect water services to new 250 mm watermain	49	ea (P)	\$500.00	\$24,500.00	\$1,050.00	\$51,450.00	\$728.91	\$35,716.59	\$900.00	\$44,100.00
A.034	SP	Replace existing water service	49	ea (P)	\$1,700.00	\$83,300.00	\$1,050.00	\$51,450.00	\$1,476.50	\$72,348.50	\$1,750.00	\$85,750.00
A.035	SP	Supply and install new Curb Stops	49	ea (P)	\$675.00	\$33,075.00	\$1,575.00	\$77,175.00	\$690.00	\$33,810.00	\$1,000.00	\$49,000.00
A.036	SP	Hydrant Set (Remove and Replace)	6	ea (P)	\$12,500.00	\$75,000.00	\$12,600.00	\$75,600.00	\$14,008.98	\$84,053.88	\$13,500.00	\$81,000.00
subtotal						\$748,600.00		\$791,350.00		\$676,149.19		\$635,425.00
SANITARY SEWERS												
A.037	407, SP	Removal of Existing Sanitary Sewer Manhole	6	ea (P)	\$1,000.00	\$6,000.00	\$1,050.00	\$6,300.00	\$1,542.03	\$9,252.18	\$1,100.00	\$6,600.00
A.038	407, SP	Precast Concrete Sanitary Sewer Manhole-1200 mm diameter (OPSD 701.010)	6	ea (P)	\$14,000.00	\$84,000.00	\$10,500.00	\$63,000.00	\$8,584.96	\$51,509.76	\$11,500.00	\$69,000.00
A.039	410, SP	250 mm PVC SDR 35 Sanitary Sewer	300	m (P)	\$600.00	\$180,000.00	\$420.00	\$126,000.00	\$693.02	\$207,906.00	\$285.00	\$85,500.00
A.040	410, SP	300 mm PVC SDR 35 Sanitary Sewer	20	m (P)	\$635.00	\$12,700.00	\$475.00	\$9,500.00	\$549.83	\$10,996.60	\$400.00	\$8,000.00
A.041	410, SP	375 mm PVC SDR 35 Sanitary Sewer	430	m (P)	\$650.00	\$279,500.00	\$475.00	\$204,250.00	\$708.27	\$304,556.10	\$405.00	\$174,150.00
A.042	410, SP	Replace Existing Sanitary Service	49	ea (P)	\$2,000.00	\$98,000.00	\$2,100.00	\$102,900.00	\$1,477.43	\$72,394.07	\$2,150.00	\$105,350.00
A.043	410, SP	Connect Sanitary Service to Sanitary Sewer	49	ea (P)	\$750.00	\$36,750.00	\$2,100.00	\$102,900.00	\$430.79	\$21,108.71	\$900.00	\$44,100.00
A.044	410, SP	Connect new 250mm diameter Sanitary Sewer to existing 250mm diameter Sanitary Sewer	1	each (P)	\$500.00	\$500.00	\$10,500.00	\$10,500.00	\$1,310.34	\$1,310.34	\$900.00	\$900.00
A.045	410, SP	Connect new 250mm diameter Sanitary Sewer to existing 225mm diameter Sanitary Sewer	2	each (P)	\$500.00	\$1,000.00	\$10,500.00	\$21,000.00	\$1,230.44	\$2,460.88	\$900.00	\$1,800.00
A.046	410, SP	Connect new 300mm diameter Sanitary Sewer to existing 300mm diameter Sanitary Sewer	1	each (P)	\$500.00	\$500.00	\$10,500.00	\$10,500.00	\$1,239.59	\$1,239.59	\$900.00	\$900.00
A.047	410, SP	Connect new 375mm diameter Sanitary Sewer to existing 300mm diameter Sanitary Sewer	1	each (P)	\$500.00	\$500.00	\$10,500.00	\$10,500.00	\$1,239.89	\$1,239.89	\$900.00	\$900.00
A.048	410, SP	CCTV Inspection of Installed Sanitary Pipe	750	m	\$18.00	\$13,500.00	\$25.00	\$18,750.00	\$15.73	\$11,797.50	\$25.00	\$18,750.00
subtotal						\$712,950.00		\$686,100.00		\$695,771.62		\$515,950.00
TOTAL SECTION A						\$3,665,750.00		\$3,482,320.00		\$3,335,520.93		\$3,327,395.00
SECTION B - CREDIT FOR USING SAND BEDDING IN LIEU OF STONE BEDDING & GEOTEXTILE												
B.001	SP	Credit for Replacing Clear Stone Bedding with Sand Bedding During Sewer and/or Watermain Work for main pipes 450mm Diameter and Smaller	1740	m	-\$35.00	-\$60,900.00	-\$1.00	-\$1,740.00	-\$1.97	-\$3,427.80	-\$13.00	-\$22,620.00
B.002	SP	Credit for Replacing Clear Stone Bedding with Sand Bedding During Sewer and/or Watermain Work for 1375mm diameter Storm Sewer Main Pipe	335	m	-\$80.00	-\$26,800.00	-\$1.00	-\$335.00	-\$1.97	-\$659.95	-\$25.00	-\$8,375.00
TOTAL SECTION B						-\$87,700.00		-\$2,075.00		-\$4,087.75		-\$30,995.00
SECTION C - GENERAL (PHASE 1 WORK)												
C.001		Bonds and Insurance	1	LS	\$75,000.00	\$75,000.00	\$55,000.00	\$55,000.00	\$67,998.97	\$67,998.97	\$39,000.00	\$39,000.00
C.002		Mobilization & Demobilization	1	LS	\$175,000.00	\$175,000.00			\$8,976.35	\$8,976.35	\$207,000.00	\$207,000.00
C.003		Contingency	1	LS	\$150,000.00	\$150,000.00	\$150,000.00	\$150,000.00	\$150,000.00	\$150,000.00	\$150,000.00	\$150,000.00
TOTAL SECTION C						\$400,000.00		\$205,000.00		\$226,975.32		\$396,000.00
END OF PHASE 1 WORK						\$4,065,750.00		\$3,687,320.00		\$3,562,496.25		\$3,723,395.00

ITEM NO.	OPS SPEC.	DESCRIPTION	EST. QTY	UNIT	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE
PHASE 2 (WORK TO BE COMPLETED IN 2021)												
SECTION D - PHASE 2 - FINISHED SURFACE WORKS - SIDEWALK, APPROACHES, SODDING, ASPHALT												
ROADWAY RECONSTRUCTION												
D.001	310, SP	Hot Mix Superpave 12.5 (50mm Thick Surface Course)	1300	tonnes	\$260.00	\$338,000.00	\$225.00	\$292,500.00	\$255.55	\$332,215.00	\$235.00	\$305,500.00
D.002	350, SP	Concrete Driveway Approach	180	m ² (P)	\$195.00	\$35,100.00	\$263.00	\$47,340.00	\$261.30	\$47,034.00	\$195.00	\$35,100.00
D.003	350, SP	Concrete Driveway Approach to former Abitibi Yard	55	m ² (P)	\$260.00	\$14,300.00	\$238.00	\$13,090.00	\$328.64	\$18,075.20	\$250.00	\$13,750.00
D.004	532, SP	Pavement markings	1500	m	\$12.00	\$18,000.00	\$12.00	\$18,000.00	\$13.22	\$19,830.00	\$11.00	\$16,500.00
D.005	570, 571, SP	Boulevard Re-grading, Topsoil and Sodding	2400	m ² (P)	\$20.00	\$48,000.00	\$25.00	\$60,000.00	\$26.85	\$64,440.00	\$15.00	\$36,000.00
subtotal					\$453,400.00		\$430,930.00		\$481,594.20		\$406,850.00	
SIDEWALK RECONSTRUCTION												
D.006	510, SP	Removal of Existing Concrete Sidewalk	1060	m ² (P)	\$25.00	\$26,500.00	\$57.00	\$60,420.00	\$98.39	\$104,293.40	\$25.00	\$26,500.00
D.007	310, SP	Concrete Sidewalk	1260	m ² (P)	\$150.00	\$189,000.00	\$156.00	\$196,560.00	\$162.54	\$204,800.40	\$140.00	\$176,400.00
subtotal					\$215,500.00		\$256,980.00		\$309,093.80		\$202,900.00	
TOTAL SECTION D					\$668,900.00		\$687,910.00		\$790,688.00		\$609,750.00	
SECTION E - GENERAL (PHASE 2 WORK)												
E.001		Bonds and Insurance	1	LS	\$15,000.00	\$15,000.00	\$20,000.00	\$20,000.00	\$13,569.53	\$13,569.53	\$9,500.00	\$9,500.00
E.002		Mobilization & Demobilization	1	LS	\$33,000.00	\$33,000.00			\$4,488.18	\$4,488.18	\$45,000.00	\$45,000.00
E.003		Contingency	1	LS	\$75,000.00	\$75,000.00	\$75,000.00	\$75,000.00	\$75,000.00	\$75,000.00	\$75,000.00	\$75,000.00
TOTAL SECTION F					\$123,000.00		\$95,000.00		\$93,057.71		\$129,500.00	
END OF PHASE 2 WORK					\$791,900.00		\$782,910.00		\$883,745.71		\$739,250.00	
SUMMARY OF TENDER PRICES												
SECTION A - PHASE 1 - SEWER & WATERMAIN WORKS AND ROAD BASE AND CURB WORKS						\$3,665,750.00		\$3,482,320.00		\$3,335,520.93		\$3,327,395.00
SECTION B - CREDIT FOR USING SAND BEDDING IN LIEU OF STONE BEDDING & GEOTEXTILE						-\$87,700.00		-\$2,075.00		-\$4,087.75		-\$30,995.00
SECTION C - GENERAL (PHASE 1 WORK)						\$400,000.00		\$205,000.00		\$226,975.32		\$396,000.00
SECTION D - PHASE 2 - FINISHED SURFACE WORKS - SIDEWALK, APPROACHES, SODDING, ASPHALT						\$668,900.00		\$687,910.00		\$790,688.00		\$609,750.00
SECTION E - GENERAL (PHASE 2 WORK)						\$123,000.00		\$95,000.00		\$93,057.71		\$129,500.00
SUBTOTAL						\$4,857,650.00		\$4,470,230.00		\$4,442,154.21		\$4,431,650.00
H.S.T.						\$631,494.50		\$581,129.90		\$577,480.05		\$576,114.50
TOTAL						\$5,489,144.50		\$5,051,359.90		\$5,019,634.26		\$5,007,764.50

2019 Tender 19-OF-18 Bid and Budget Summary Sheet

Spreadsheet #2

	Description	Makkinga Low Bid	Portion of General*	10% Engineering	Total + Town's portion HST	Grant Funds (Connecting Link)**	Town's Portion Cost	Town %	Grant %
Scott Street	Grading	\$1,350,645.00	\$148,973.41	\$149,961.84	\$1,678,612.87	\$1,510,751.58	\$167,861.29	10.00%	90.00%
	Storm Sewer	\$825,375.00	\$84,718.60	\$91,009.36	\$1,018,722.37	\$916,850.14	\$101,872.24	10.00%	90.00%
	Watermain	\$635,425.00	\$80,469.88	\$71,589.49	\$801,344.09	\$234,772.12	\$566,571.98	70.70%	29.30%
	Sanitary	\$515,950.00	\$82,805.19	\$59,875.52	\$670,222.60	\$234,772.12	\$435,450.49	64.97%	35.03%
	SUBTOTAL	\$3,327,395.00	\$396,967.08	\$372,436.21	\$4,168,901.94	\$2,897,145.95	\$1,271,755.99	30.51%	69.49%

* General includes bonds, insurance, mob/demob and \$150,000.00 contingency allowance.

**Total Connecting Funding allocated to this work - \$2,113,117.55, Federal Gas Tax Funding Allocation \$469,544.23

January 22, 2020

Report To: Mayor and Council

From: Travis Rob, Manager of Operations and Facilities

RE: Geospatial Data Share Agreement with Hilderman Thomas Frank and Cram


Please find attached a report prepared by Trisha Law, GIS Expert outlining all the background information and the request from the Hilderman Thomas Frank and Cram (HTFC) for certain portions of the Town's Geospatial Data

The geospatial data requested is going to be utilized by this firm to assist with the design of future development at the Shevlin Wood Yard and former Resolute Nurses Station properties owned by the Town. HTFC was retained by the Town to complete this work and as such has requested the fees associated with this data as outlined in the 2020 User Fee By-Law, be waived.

The O & F executive committee recommends the following:

1. That the Town enter into a geospatial data license agreement with Telecon.
2. That the associated fees relating to the data as outlined in the User Fee By-Law be waived as HTFC is working for the Town, and
3. That the Mayor and Clerk be authorized execute the agreement on behalf of the Corporation.

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. That the Town enter into a geospatial data license agreement with Telecon.**
- 2. That the associated fees relating to the data as outlined in the User Fee By-Law be waived as HTFC is working for the Town, and**
- 3. That the Mayor and Clerk be authorized execute the agreement on behalf of the Corporation.**

Manager of Operations and Facilities

January 14, 2020.

Report To: Travis Rob, O&F Manager

From: Trish Law, GIS Expert

SUBJECT: Data Request Hilderman Thomas Frank Cram (HTFC)

On January 9, 2020 I was advised by Travis Rob that Hilderman Thomas Frank Cram (HTFC) requested the Town's GIS data for use in the Gate to Market Square and Shevlin Wood Yard Land Use and Economic Development Feasibility Study. A signed copy of the Town's Geospatial Data Share Agreement has been forwarded by Glen Manning of HTFC, along with a letter asking for the shapefiles and imagery to be granted at zero cost. HTFC previously held a Geospatial Data Share Agreement with the Town back in 2010 for the Heritage Tourism project.

The data currently being requested from the Town for use is watermains, valves, hydrants, sewer mains, manholes, storm mains, catch basins, storm manholes, road centerlines, property lines, and aerial imagery. The cost of the layers requested is 10 @ 304.20 plus HST for vector data and \$1216.55 plus HST for the 2007 aerial photograph as per the current User Fee Schedule and \$0 for the 2017 aerial photograph as per our current use agreement with the Ministry of Natural Resources and Forestry.

For references purposes, this is a listing of current Geospatial License Agreements with the Town:

- Ministry of Natural Resources (2009, 2010) - \$0 data exchange
- Union Gas (2009) - \$0 data exchange
- Rainy River District OPP (2009) - \$0 through Community Services
- Centra Transmission Holdings Inc./EFG (2010) - paid \$1071.00 (including HST)
- Hilderman Thomas Frank Cram (2010) - \$0 working for TOFF
- Hynde Paul Planners/Quartek (2010) - \$0 working for TOFF
- KGS Group, Winnipeg (2010) - \$0 working for TOFF
- Neegan Burnside (2011) - paid \$3809.68 (including HST)
- rePlan (2014) - \$0 fees waived for newGold development
- Vastamaki Consulting Service (2014) - \$0 working for FFPC
- Saulteaux Consulting and Engineering (2014) - \$0 working for FFPC
- Rainy River District Stewardship (2015) - \$0 tree inventory
- Rainy River District School Board (2015) - \$0 partner for tree inventory
- GISbiz (2016) - \$0 working for FFPC
- TBAYTEL/Telecon - paid \$639.40 (including HST)
- Fire Underwriters (2017) - \$0 request approved by Council
- OPP (2018) - \$0 request approved by Council
- Infratech Services (2019) - \$0 request approved by Council, working for TOFF
- Fire Underwriters Survey - \$0 request, currently in progress

- Telecon (2019) - \$337.98 (including HST) – currently in progress

After consideration of this request, I recommend the Town entering into a new Geospatial Data License Agreement with Hilderman Thomas Frank Cram, and that the data be distributed at \$0, as Hilderman Thomas Frank Cram is currently contracted for work for the Town.

Respectively Submitted,



Trisha Law, MGIS
GIS Expert

January 9, 2020

Travis Rob, P.Eng.
Manager of Operations & Facilities
Town of Fort Frances
320 Portage Avenue
Fort Frances, ON P9A 3P9

**RE: Request for Waiver of Fees – Fort Frances Geospatial Data Agreement
Gateway to Market Square and Shevlin Wood Yard Land Use and Economic Development
Feasibility Study**

Dear Travis:

We have signed and attached the GIS License Agreement (2020) provided for the *Gateway to Market Square and Shevlin Wood Yard Land Use and Economic Development Feasibility Study*. We agree to abide by all conditions; however, we respectfully request a waiver of license fees, as this work is being done for the Town of Fort Frances at their request. The data obtained will be used solely for this contract and will be removed from all hard drives at HTFC and their subconsultants upon completion and acceptance of the work.

Please let me know if this is acceptable.

Sincerely,


Glen Manning, FCSLA
Managing Principal

Town of Fort Frances Geospatial Data License Agreement

THIS AGREEMENT made to be effective this 9th day of January 2020
(Day) (Month) (Year)

BETWEEN:

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

- and -
HTFC Inc.

 (“Licensee”)

WHEREAS The Town of Fort Frances has produced digital imagery and infrastructure data within the limits of The Town of Fort Frances (hereinafter referred to as Licensed data). The Town of Fort Frances is the owner of the intellectual property rights of the Licensed data addressed by the terms and conditions set forth in this Agreement.

AND WHEREAS the Licensee has requested a license from The Town of Fort Frances permitting the Licensee to utilize The Town of Fort Frances’ digital mapping products and information (Licensed data), on the terms and conditions set forth in this agreement.

AND WHEREAS The Town of Fort Frances agrees to provide the Licensee with a non-exclusive, non-assignable & non-transferable perpetual license to utilize the digital mapping products and information (Licensed data) based upon the terms and conditions set forth in this Agreement;

THEREFORE, in consideration of the mutual benefits to be realized under this agreement, the parties hereto agree as follows:

1. Permitted use: The Licensee shall not lease, sell, sublet, distribute, transfer or assign the Licensed data or any derivatives, enhanced products or hard copy products created from the Licensed data to any other person or organization without the expressed written consent of The Town of Fort Frances. This includes the right of use or partial use of the Licensed data. Failure to adhere to this will result in the termination of the License Agreement.

2. Copies: The Licensee may only make one copy of the Licensed data for back-up purposes only and not for use by any other person or organization. This back up shall only be used if a problem occurs with the original data. The Licensed data may be used in more than one computer at one time, provided all computers are solely owned and operated by the Licensee.

3. **Licensed data:** All Licensed data is in ESRI shapefile format, with the exception of the digital aerial photography. The coordinate system is UTM Zone 15N, NAD83. The Town of Fort Frances may consider, but shall not be obliged to provide the Licensed Data in other GIS or digital file formats as may be requested by the Licensee for its mapping system requirements.

4. **Maintenance:** The data licensed from The Town of Fort Frances is licensed for the Licensee's use only, not for resale or exchange with other parties. Licensed data is distributed "AS IS" on a one-time basis and The Town of Fort Frances is under no obligation to inform the Licensee of any changes, updates or alterations to the data. The Licensee will not receive any updated data, unless a new license request is made. Available data is in "raw" format and is not a finished map product.

5. **Reserved Rights:** The Town of Fort Frances shall retain all rights, title and interest to the Licensed data in all formats, languages and media. This includes copyrights, intellectual property, all other proprietary rights and the right to license the digital data covered by this Agreement to other users. The Licensed data shall continue to be the exclusive property of the Town of Fort Frances.

6. **Copyright:** Any paper or hard copy products derived from the Licensed data shall clearly indicate the source of the Licensed data and its copyright. If the data is modified in any way, this must be described with the source information. The Licensee agrees to not misrepresent The Town of Fort Frances Licensed data, nor imply that The Town of Fort Frances has approved any changes made by the Licensee, unless the Town of Fort Frances has granted expressed written permission.

7. **Warranty:** The Town of Fort Frances makes no warranty, expressed or implied, to the use of the Licensed data. Use of the Licensed data is done at the user's own risk and The Town of Fort Frances shall not be liable for any problems; including financial or business loss, the fitness of the Licensed data with other datasets, installation of the Licensed data and or any foreseeable or unforeseeable damages which may result from the use of the Licensed data.

8. **Data Delivery:** Orders for Licensed data sets do not have priority over other projects and work demands of The Town of Fort Frances Engineering Department. Significant delays may occur in such instances as staff shortages or schedule constraints. All efforts will be made to prepare and distribute Licensed data in a timely fashion. The Town of Fort Frances assumes no liability for shipping costs incurred, nor any damage to the Licensed data that may occur during shipping. The standard method of data delivery will be CD (Compact Disc).

9. **Fees:** The Town of Fort Frances licenses use of the Licensed data set in consideration of payment by the Licensee of the appropriate fee set out in the

current Schedule of Fees for the Town of Fort Frances and as illustrated in the attached price schedule. Fees paid are non-refundable. Data exchanges between the Licensee and The Town of Fort Frances will be considered.

10. Termination: The Town of Fort Frances may terminate this Agreement at any time, for any reason. Any violation of the license renders it null and void. This agreement will terminate automatically, without notice, if the Licensee fails to comply with any of the terms of this agreement. The Licensee may elect to terminate this Agreement at any time. Licensee user rights expire on the revocation of this license. Any and all copies of the Licensed data must be returned to The Town of Fort Frances within 30 days from the date this license expires or immediately if the license is revoked.

11. Third-Party Requests: If the Licensee receives a third party request for the Licensed data, the Licensee shall provide The Town of Fort Frances' contact information to the third party.

12. The terms of this agreement shall be in force from the date of execution or delivery of the Licensed Data, whichever is the later, and shall continue unless terminated under the provisions of this Agreement.

13. This Agreement constitutes the entire agreement and understanding of both parties as to the scope of this license and supersedes any and all prior agreements, warranties, understandings, discussions, negotiations and commitments, either written or oral, expressed and or implied between them.

14. Amendments to this agreement, be it the terms or provisions, must be elected in writing and signed by both parties.

15. This Agreement shall be subject to and interpreted in accordance with the Laws of the Province of Ontario.

16. This agreement is binding to both parties but does not constitute a relationship of partnership, or joint venture between the two parties.

Town of Fort Frances

By (Signature): _____

I have the authorization to bind the Corporation

Position/Title: _____

Name (Print): _____

Date: _____

By (Signature): _____

I have the authorization to bind the Corporation

Position/Title: _____

Name (Print): _____

Date: _____

*****Please be advised that all agreements must be discussed with the Engineering Department (GIS) prior to signing.***

**Glen
Manning**

Digitally signed by Glen Manning
DN: cn=Glen Manning, o=HTFC
Planning & Design, ou,
email=gmanning@htfc.mb.ca,
c=CA
Date: 2020.01.09 13:55:39 -06'00'

LICENSEE

By (Signature): _____

I have the authorization to bind the Corporation

Position/Title: Principal

Name (Print): Glen Manning

Date: January 9, 2020

By (Signature): _____

I have the authorization to bind the Corporation

Position/Title: _____

Name (Print): _____

Date: _____

DATA LICENSE INFORMATION:

Data Available:

Infrastructure (separate layers): Sanitary Sewer manholes and mains; Storm Sewer manholes, catch basins, and mains; Water Distribution System mains, hydrants, and mainline valves; Road centre lines

Base Data: base map (with or without addresses), aerial photography (colour, April 2007 .ecw format only)

Data Requested:

all of the above, addresses not required.

Data Delivery Type:

☐ CD (mail) ☒ Digital transfer (email) ☐ hard copy (paper)

Disclaimer: Please be advised that the GIS data within The Town of Fort Frances' database is in a constant state of update. Every effort has been made to ensure that the Licensed data is the most current, updated version.

2020 Fee Schedule:

Hard Copy Maps: 8 ½" X 11" - \$6.10; 11" X 17" - \$12.15; 24" X 36" \$30.40

2007 Digital Aerial Photography: \$1216.55 (.ecw format only)

Shapefiles: \$304.20 per infrastructure shapefile layer
\$304.20 – base map (property lines and address numbers only)

*prices do not include applicable H.S.T.

January 22, 2020

Report To: Mayor and Council

From: Travis Rob, Manager of Operations and Facilities

RE: Application to the Investing in Canada Infrastructure Green Stream

Under the new Investing in Canada Infrastructure Program (ICIP) there are a number of streams of funding: Rural and Northern (funding received for Colonization Road West reconstruction), Community Culture and Recreation (funding application submitted for upgrades to the MSC), and the Green Infrastructure Stream. This stream is focused on critical health and safety issues associated with water and wastewater treatment, distribution or collection systems.

For this application intake the Town is focusing on their wastewater treatment plant and new federal effluent regulations which limit our ability to apply chlorine for disinfection. Currently we use chlorine for the disinfection when we are in high flow situations and exceeding either the UV capacity or plant capacity or if we experience a power failure. This project is a four-part project, increasing the UV capacity to match the plant capacity, installation of a standby generator to operate the plant during power outages, investigating options and adding dichlorination capacity to the by-pass channel and replacing the portable generator for the lift stations.

The maximum funding allocation for these projects is \$3 Million with the municipal portion being 26.67%. Our project costs are estimated at \$1,404,288.00 where the Town's portion would be \$460,057.50 which would be paid out of the Sewer rates and reserves. Funding allocation is scheduled for 4th quarter 2020 so this project would be considered in the 2021 Capital Budget.

It is the recommendation of the Operations and Facilities Executive Committee to endorse the application to the Investing in Canada Infrastructure Program – Green Infrastructure Stream for capital upgrades to the Wastewater Treatment Plant.

Respectfully Submitted



Travis Rob, P.Eng

Council approval of this report will agree with the recommendation of the Operations and Facilities Executive Committee to endorse the application to the Investing in Canada Infrastructure Program – Green Infrastructure Stream for capital upgrades to the Wastewater Treatment Plant.

Manager of Operations and Facilities

January 10, 2020

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

Attention: Mr. Craig Miller
Environmental Superintendent

Dear Craig:

**Re: Fort Frances Wastewater Treatment Facility
December 2019 Monthly Report**

As per the operating agreement, the attached document is the December 2019 monthly report for the Fort Frances Wastewater Treatment Facility.

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

If you have any questions regarding this report do not hesitate to contact Mr. Jeff St. Pierre- Regional Hub Manager.

Yours truly,



Kelly Cunningham
Team Lead

For Jeff St. Pierre
Regional Hub Manager

**The Corporation of the Town of Fort Frances
Wastewater Treatment Plant
(Sewage Plant)
December 2019 Monthly Operations Report**

INTRODUCTION

In accordance with the Agreement between the Ontario Clean Water Agency (Operating Authority) and the Town of Fort Frances, the Fort Frances Sewage Treatment Plant is required to prepare a monthly report. This document covers the reporting month of December 2019; the facility performance report summarizes important information regarding the quality of the effluent, wastewater, analytical test results, maintenance operations, and relevant activities of the WWTP.

DESCRIPTION OF WORKS

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

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

LABORATORY

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

DECEMBER 2019 EFFLUENT QUALITY

<i>Parameters</i>	<i>Monthly Actual Concentration mg/L</i>	<i>Compliance Criteria Concentration mg/L</i>	<i>Performance Objective Concentration mg/L</i>	<i>Monthly Actual Loading, kg/d</i>	<i>Compliance Criteria Loading kg/d</i>	<i>Performance Objective Loading kg/d</i>
CBOD ₅	2.4 mg/L	25 mg/L	15 mg/L	15.2 kg/d	225 kg/d	135 kg/d
Total Suspended Solids	3.7 mg/L	25 mg/L	15 mg/L	23.9 kg/d	225 kg/d	135 kg/d
Total Phosphorus	0.12 mg/L	1.0 mg/L	0.9 mg/L	0.77 kg/d	9 kg/d	8.1 kg/d
Total Nitrogen Nitrate Nitrogen	8.18 mg/L 5.12 mg/L					
Total Cl ₂ Residual		<0.01 mg/L (when in use)				
E-Coli		187.8 count/100 ml (geometric mean)		200 count/100ml (geometric mean)		E-coli not to exceed 150 organisms/100ml (monthly geometric mean density)
pH				pH range 6.2 to 6.6; average pH was 6.3		
Temperature degrees C				Temperatures ranged from 9.0 to 11.0 C; average temperature of effluent was 10.0 C		

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

WASTEWATER LIQUID PROCESS

The average daily flow for December was 6420.9 m³/day. This represents 71% of the design average flow. Total treated flow for the month was 199047 m³.

The Fort Frances WWTP met all effluent compliance criteria for the parameters listed above as outlined in the Environmental Compliance Approval.

**The Town of Fort Frances accepted an additional 163.7 m³ of sewage from the New Gold mine site into the collection system in December. Lab analyses have not been provided.

MAINTENANCE

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

Treatment Plant:

- Alternated lead/lag pumps
- Adjusted fluidizing water to head cell and grit snail as needed
- Greased all blowers
- Regular cleaning of head works EW basket strainer
- Greased Grit Snail and lubricated drive chain
- Monthly inspection of spiral screen access hatch, removed wrapped debris
- Weekly manifold wash and restrictor cleaning on the Fournier press
- Drained and inspected teacup, hosed snail
- Cleaned polymer injector check valve
- Changed oil in grit pump gear boxes
- Replaced 2 portable heaters in digester dog houses
- Greased clarifier drives
- Wajax did load bank test on portable genset, it failed
- Hosed and broom swept UV banks and channel. Hosed launder channels

Pump Stations:

- Ran gensets
- Changed seal water strainers
- Wajax did load bank test on gensets at Central, Fifth and White Pine lift stations
- The radio communication signal quality from Boundary Road and Church St. stations was checked
- Replaced sump pump White Pine lift station drywell
- Replaced pump 1 outlet valve at White Pine lift station

PROCESS AND OPTIMIZATION ISSUES

SLUDGE SUMMARY

Dennis Robinson Limited hauled a calculated total of 104.5 m³ (9 bins) of thickened digested sludge to the Town of Fort Frances landfill site. The hauled sludge averaged 16.1% TS for the month but slump test results from the landfill site have not been provided. The Fournier press ran for 108 hours in December, 1380 hours in 2019.

COMPLAINTS

There were no complaints during the report period.

BYPASS/OVERFLOW REPORT(S)

There were no bypass events in the reporting period.

COMMENTS

Plant power consumption for the month was 483 (x 180 multiplier) kWh.

The Fournier press has been operated 1380 hours in 2019.

Debris was removed from Central and Fifth St. wet wells by contractor vacuum truck.

REPORTS

ALS – Environmental Analytical Reports (on-file at plant)

Fort Frances WPCP Equipment Run Time Report (on-file at plant)

Bypass Report (on-file at plant as per occurrence)

Incident Report (on-file at plant as per occurrence)

2019 Fort Frances Wastewater

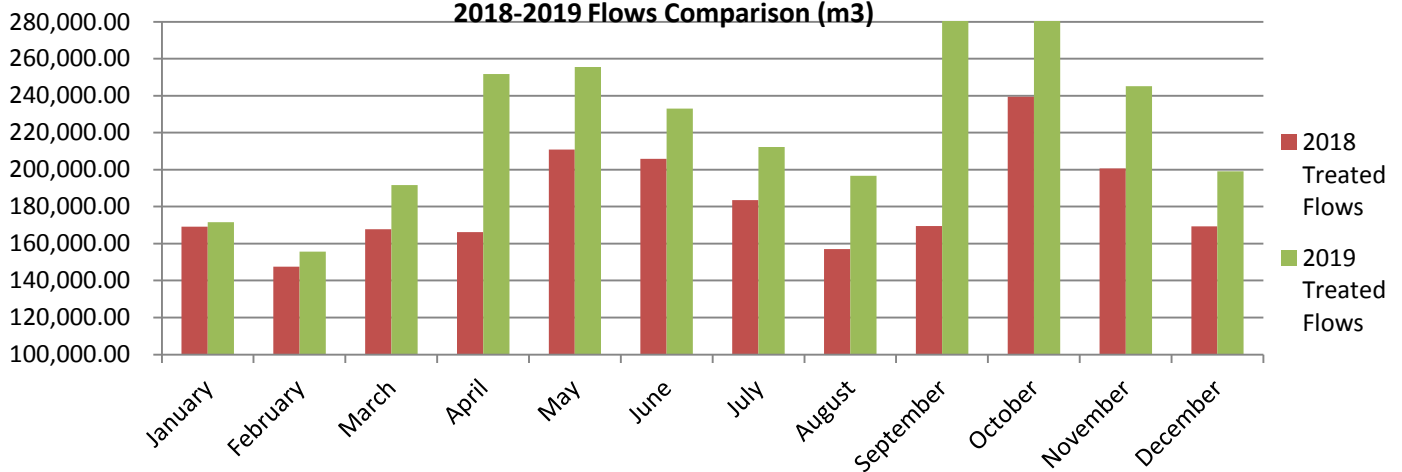
Month	Sewage Flows Year 2019						Usage		Calculated		Sludge		Removal Efficiency		
	Avg. Day Flow	Max Day Flow	Total Treated	Total ByPass	Total Volume	Total ML	% Plant Capacity	Volume Hauled	Volume Hauled	Bins Hauled	CBOD5		Suspended Solids	Total Phosphorus	
	m3	m3	Volume ML	Volume ML	ML	ML		M3	M3						
January	5536.2	5933	171621		171621		62%	136.0	14						
February	5561.0	6023	155707		155707		62%	106.7	12						
March	6180.7	8247	191603		191603		69%	109.2	10						
April	8390.4	9966	251711		251711		93%	121.6	13						
May	8244.3	10890	255574		255574		92%	135.0	14						
June	7766.7	11807	233001		233001		86%	132.6	13						
July	6850.0	12069	212351	178.9	212529.9		76%	97.7	9						
August	6347.5	8974	196772		196772		71%	136.0	14						
September	10530.6	17630	315918		315918		117%	83.1	9						
October	14228.3	18190	441076		441076		158%	111.1	11						
November	8169.9	10192	245097		245097		91%	105.7	12						
December	6420.9	7029	199047		199047		71%	104.5	9						
Sum				178.9	2869656.9			1379.2	140						
Average	7852		239123		239138		87%	114.9	11.7						
Max		18190	441076		441076				14						
ECA	9000	18000													

Month	BOD5/CBOD5						Suspended Solids				Total Phosphorus				Nitrogen			E. Coli		pH	
	Avg. Raw	Avg. Eff.	Avg. Load	Avg. Raw	Avg. Eff.	Avg. Load	Avg. Raw	Avg. Eff.	Avg. Load	Avg. Raw	Avg. Eff.	Avg. Load	Avg. Raw	Avg. Eff.	Avg. Load	Geo Mean	Monthly	Monthly	Monthly		
	BOD (mg/L)	CBOD (mg/L)	CBOD (kg/day)	S.S (mg/L)	S.S (mg/L)	S.S (kg/day)	T.P (mg/L)	T.P (mg/L)	T.P (kg/day)	TKN (mg/L)	Total N (mg/L)	T.P (kg/day)	TKN (mg/L)	Total N (mg/L)	T.P (kg/day)	Counts /100ml	Minimum	Maximum	Maximum		
January	110.2	2.1	11.5	160.1	3.9	21.4	2.52	0.12	0.69	20.9	8.8	11.5	20.9	8.8	0.69	11.5	6.7	7.2	7.2		
February	103.8	2.1	11.7	152.9	3.3	18.2	3.61	0.12	0.67	19.3	9.9	16.8	19.3	9.9	0.67	16.8	6.8	7.1	7.1		
March	84.0	2.5	15.0	142.8	5.5	36.0	2.30	0.12	0.82	18.2	11.1	16.8	18.2	11.1	0.82	16.8	6.7	7.0	7.0		
April	67.6	3.4	29.4	117.6	6.0	50.1	1.72	0.12	1.02	12.9	9.9	34.4	12.9	9.9	1.02	34.4	6.6	7	7		
May	61.5	2.6	20.8	120.7	5.0	41.8	1.60	0.11	0.91	12.6	9.5	40.5	12.6	9.5	0.91	40.5	6.7	7.1	7.1		
June	62.0	2.6	20.3	129.9	4.3	33.6	1.77	0.11	0.88	12.6	9.7	58.0	12.6	9.7	0.88	58.0	6.8	7.1	7.1		
July	82.2	2.1	13.8	145.6	4.3	29.9	2.48	0.15	1.06	16.8	7.7	10.0	16.8	7.7	1.06	10.0	6.6	7.0	7.0		
August	86.5	2.0	12.0	160.0	3.6	22.8	2.31	0.16	0.99	17.3	7.9	13.2	17.3	7.9	0.99	13.2	6.6	6.8	6.8		
September	53.9	2.0	19.9	118.0	3.1	34.7	1.70	0.13	1.35	13.5	6.1	39.0	13.5	6.1	1.35	39.0	6.6	6.9	6.9		
October	31.7	2.1	27.0	74.5	4.0	58.3	4.00	0.17	2.37	7.2	5.7	185.4	7.2	5.7	2.37	185.4	6.3	6.8	6.8		
November	58.0	2.4	19.2	118.2	3.5	28.1	1.87	0.16	1.30	11.2	6.6	22.1	11.2	6.6	1.30	22.1	6.3	6.6	6.6		
December	85.0	2.4	15.2	167.3	3.7	23.9	2.30	0.12	0.77	15.6	8.2	187.8	15.6	8.2	0.77	187.8	6.2	6.6	6.6		
Average	73.9	2.4	18.0	134.0	4.2	33.2	2.3	0.13	1.07	14.8	8.4	53.0	14.8	8.4	1.07	53.0	6.6	6.9	6.9		
Max	110.2	3.4	29.4	167.3	6	58.3	4.0	0.17	2.37	20.9	11.1	187.8	20.9	11.1	2.37	187.8	6.8	7.2	7.2		
ECA		25	225		25	225		1.0	9.0			200			9.0	200	6.0	9.5	9.5		

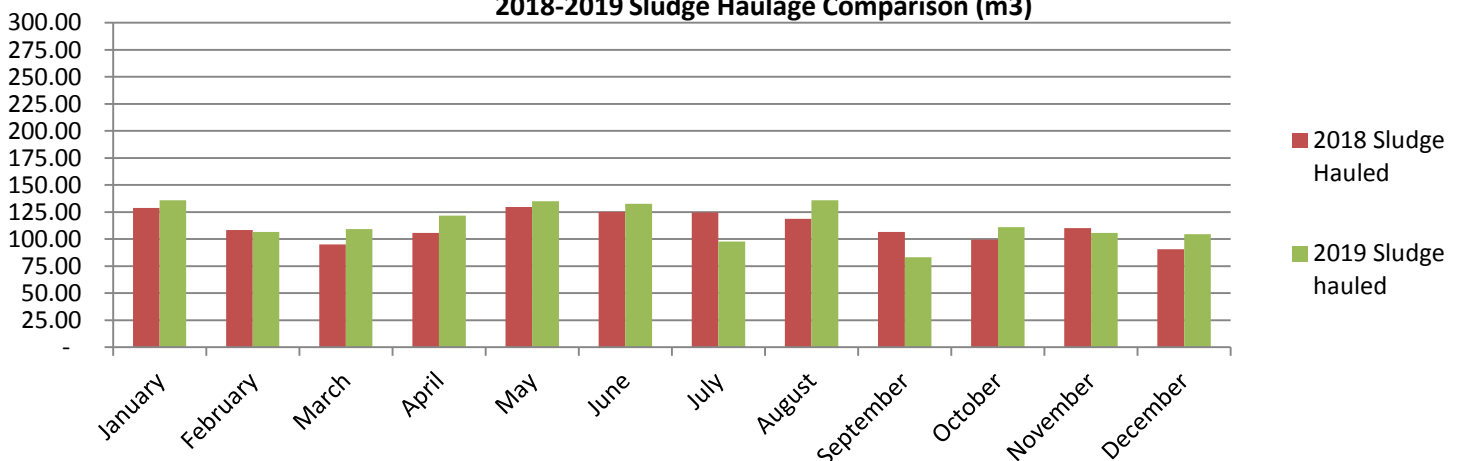
2018-2019 Comparison Chart

Month	2018 Treated Sewage	2019 Treated Sewage	% Variance 2018 to 2019	2018 Hauled Sludge	2019 Hauled Sludge	% Variance 2018 to 2019
	m3	m3	m3	m3 (calculated)	m3 (calculated)	m3
January	169,201.00	171,621.00	1%	128.90	136.00	6%
February	147,497.00	155,707.00	5%	108.30	106.70	-1%
March	167,707.00	191,603.00	12%	95.00	109.20	15%
April	166,292.00	251,711.00	34%	105.70	121.60	15%
May	210,932.00	255,574.00	17%	129.70	135.00	4%
June	205,818.00	233,001.00	12%	125.30	132.60	6%
July	183,465.00	212,351.00	14%	124.70	97.70	-22%
August	157,126.00	196,772.00	20%	118.60	136.00	15%
September	169,565.00	315,918.00	46%	106.50	83.10	-22%
October	239,494.00	441,076.00	46%	99.60	111.10	12%
November	200,745.00	245,097.00	18%	110.10	105.70	-4%
December	169,263.00	199,047.00	15%	90.70	104.50	15%
Totals	2,187,105.00	2,869,478.00	24%	1,343.10	1,379.20	3%

2018-2019 Flows Comparison (m3)



2018-2019 Sludge Haulage Comparison (m3)



Workorder Summary Report

Report Start Date: Dec 1, 2019 12:00 AM
Report End Date: Dec 31, 2019 11:59 PM
Location: 1103*
Work Order Type: ADMIN, CALL, CAP, CORR, EMER, OPER, PM
Work Order Class:

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
1534505	0000246428	PUMP CENT BOUNDARY P1	1103, Boundary Pumping Station, Process	CALL	Refurbish/ Replace/Repair	0		Boundary Lift Station High Level 1103	COMP		12/2/19 07:10 AM	12/2/19 07:18 AM	Boundary LS High Level -I arrived onsite to find multiple alarms from the lift station, After closer examination it would appear that it had a power failure which caused the alarms. All of the alarms cleared and I stayed to monitor.
1535550			1103, Fort Frances WPCP	CALL	Refurbish/ Replace/Repair	0		Digester doghouse low temp alarm call in 1103	COMP		12/10/19 09:30 PM	12/10/19 11:00 PM	Digester doghouse low temp alarm call in 1103 -I was called by the auto dialer at 2130 hours for a digester doghouse low temperature alarm. I called Communicue Action and drove to the plant where I acknowledged the alarm and checked on the heaters in question. A heater fan had stopped working so I replaced with a spare unit. All was okay at 2300 hours so I closed my ticket and went home.
1536103	0000129811	METER LEVEL MILLTRONIC BYPASS FLOW	1103, Fort Frances WPCP, Process, Process Control & Monitoring	CALL	Refurbish/ Replace/Repair	0		Manhole 8 High Level 1103	COMP		12/16/19 07:36 AM	12/16/19 07:42 AM	Manhole 8 High Level Alarm -I arrived onsite and reviewed trending to find that the milltronics had spiked due to cold weather . I then visually inspected Manhole 8 to find it to be normal so I reset the alarm.
1536378	0000129846	ENGINE DIESEL GENERATOR	1103, Central Ave Pumping Station, Facility	CALL	Refurbish/ Replace/Repair	0		Central Genset Fault 1103	COMP		12/18/19 09:21 AM	12/18/19 09:31 AM	Central Genset Failure -I received the call and when I arrived at Central lift station Wajax was onsite testing the genset unit . I reminded him of the time and that this was not the plan, I Then returned to the plant to reset the alarm.
1531321	0000227376	PANEL ALARM/ DIALER	1103, Fort Frances WPCP, Process, Process Control & Monitoring	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 1103	COMP	12/1/19 12:00 AM	1/1/20 09:22 AM	1/1/20 09:22 AM	Dialer Test -We test daily at 11 am.
1531325			1103, Fort Frances WPCP	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Gensets Inspection/ Functional Tests (1m) 1103	COMP	12/1/19 12:00 AM	12/2/19 07:29 AM	12/2/19 07:29 AM	Genset Maint. -I ran both portable gensets and the others were exercised earlier in the month.

Workorder Summary Report

Report Start Date: Dec 1, 2019 12:00 AM

Report End Date: Dec 31, 2019 11:59 PM

Location: 1103*

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

Work Order Class:

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
1531341			1103, Fort Frances WPCP	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 1103	COMP	12/1/19 12:00 AM	1/1/20 09:25 AM	1/1/20 09:25 AM	H&S Inspection -Main building garage door opener needs repair, The Town is contacting supplier.
1531356			1103, Fort Frances WPCP	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 1103	COMP	12/1/19 12:00 AM	1/5/20 10:11 AM	1/5/20 10:11 AM	
1531688			1103, Fort Frances WPCP	PM	Inspection	1	MONTHS	Blowers/Motors Inspection/Service (1m/3m) 1103	COMP	12/1/19 12:00 AM	1/1/20 06:30 AM	1/1/20 07:30 AM	Blower Maint. -I changed oil in blowers 3 & 4 and greased all others.
1531698	0000246402	CENTRIFUGE GS2-2-1 TEACUP/ GRIT SNAIL	1103, Fort Frances WPCP, Process, Primary Treatment, Primary Sludge Degritting	PM	Inspection	1	MONTHS	Teacup Centrifuge Inspection/ Service (1m/3m/1y) 1103	COMP	12/1/19 12:00 AM	12/25/19 08:51 AM	12/25/19 08:51 AM	Teacup Centrifuge Inspection/ Service (1m/3m/1y) 1103 -Drained and inspected teacup - no debris. Drained and hosed snail. Greased bearings and lubricated drive chain.
1531718			1103, Fort Frances WPCP	PM	Refurbish/ Replace/Repair	3	MONTHS	Clarifiers Inspection/Service (3m) 1103	COMP	12/1/19 12:00 AM	12/25/19 08:55 AM	12/25/19 08:55 AM	Clarifiers Inspection/Service (3m) 1103 -Greased all clarifier drives. Running smooth and quiet
1532119			1103, Fort Frances WPCP	PM	Refurbish/ Replace/Repair	1	YEARS	Pump Centrifugal Grit Pumps Inspection/Service (1y) 1103	COMP	12/1/19 12:00 AM	12/20/19 02:29 PM	12/20/19 02:29 PM	

Sewer & Water Data for 2019

up-dated January 20, 2020

Month	Days per month	2019	2019	2019	2019	2019		2019	2019	2019	2019	2019	2019-2018	2019-2018	2019	2019	Monthly
		Total	daily	Couch.	Couch.	Couch.		Total	daily	Couch.	Couch.	Couch.	Diff	Diff	Difference	Infiltration	Infiltration
		Sewage	Sewage	Sewage	Sewage	Sewage		Treated	Treated	2 Water	2 Water	Water	Treated	Wastewater	STP-WTP	daily average	US Gallons
		STP	STP	Meters	Meters	%		WTP	WTP	Meters	Meters	%	WTP	STP			
		cu. meters	cu. meters	cu. meters	cu. meters			cu. meters	cu. meters	cu. meters	cu. meters						
		monthly	daily	monthly	daily			monthly	daily	monthly	daily						
January	31	171621	5536.16	10692	344.90	6.23%		115440	3723.9	8570	276.5	7.42%	-3740.0	2420.0	56181.0	1812.3	14,841,447
February	28	155707	5560.96	9024	322.29	5.80%		112420	4015.0	8570	306.1	7.62%	5010.0	8210.0	43287.0	1546.0	11,435,213
March	31	191603	6180.74	10980	354.19	5.73%		121380	3915.5	7475	241.1	6.16%	-3420.0	23896.0	70223.0	2265.3	18,550,950
April	30	251711	8390.37	13350	445.00	5.30%		106270	3542.3	7475	249.2	7.03%	-9580.0	85419.0	145441.0	4848.0	38,421,440
May	31	255574	8244.32	10939	352.87	4.28%		101260	3266.5	7800	251.6	7.70%	-11710.0	44642.0	154314.0	4977.9	40,765,438
June	30	233001	7766.70	10376	345.87	4.45%		110860	3695.3	7800	260.0	7.04%	-8900.0	27183.0	122141.0	4071.4	32,266,232
July	31	212351	6850.03	10545	340.16	4.97%		122360	3947.1	9445	304.7	7.72%	-3450.0	28886.0	89991.0	2902.9	23,773,102
August	31	196772	6347.48	12454	401.74	6.33%		118250	3814.5	9445	304.7	7.99%	-14480.0	39646.0	78522.0	2533.0	20,743,314
September	30	315918	10530.60	20455	681.83	6.47%		100160	3338.7	8165	272.2	8.15%	-3970.0	146353.0	215758.0	7191.9	56,997,222
October	31	441076	14228.26	12974	418.52	2.94%		173967	5611.8	8165	263.4	4.69%	70187.0	201582.0	267109.0	8616.4	70,562,719
November	30	245097	8169.90	8288	276.27	3.38%		174097	5803.2	6785	226.2	3.90%	72667.0	44352.0	71000.0	2366.7	18,756,212
December	31	199047	6420.87	8853	285.58	4.45%		182137	5875.4	6785	218.9	3.73%	77347.0	-19663.0	16910.0	545.5	4,467,149
Total	365	2869478		138930				1538601.0		96479.5			165961.0	632926.0	1330877.0	3646.2	351,580,439
Monthly Average		239123.2	7852.20	11577.5	380.77			128216.8	4212.4	8040.0	264.5		13830.1	52743.8	110906.4	3639.8	29,298,370

2019 - Tonnage at Landfill Site - updated January 16, 2020											2018		2019			
MONTH	Residential Waste tonnes	Res %	ICI Waste tonnes	ICI %	Non Community Waste tonnes	Non Com %	Covering Material tonnes	2018	Average last 10 years	2019	Total Fees	Average last 10 years	Total Fees	2019-2018 Tonnes	2019-2018 Fees	
								Total Tonne	Total Tonne	Total Tonne		Fees 2009 to 2018				
JAN	149.54	27.28	387.83	70.75	10.82	1.97	16.76	495.69	370.24	548.19	\$30,177.28	\$20,128.17	\$27,590.90	52.50	-\$2,586.38	
FEB	124.49	34.52	227.79	63.15	8.41	2.33	0.00	406.46	310.55	360.69	\$23,347.65	\$16,847.30	\$21,887.90	-45.77	-\$1,459.75	
MAR	166.77	34.34	311.35	64.10	7.59	1.56	4137.48	463.54	408.18	485.71	\$27,716.10	\$22,813.66	\$76,269.12	22.17	\$48,553.02	
APRIL	333.91	45.09	398.17	53.76	8.54	1.15	0.00	570.00	561.20	740.62	\$35,930.07	\$32,008.80	\$49,329.50	170.62	\$13,399.43	
MAY	339.83	39.77	502.51	58.82	12.05	1.41	0.00	704.26	712.14	854.39	\$42,835.55	\$38,717.06	\$50,989.10	150.13	\$8,153.55	
JUNE	277.93	36.67	413.75	54.59	66.30	8.75	0.00	636.08	818.82	757.98	\$45,718.15	\$39,435.12	\$46,821.00	121.90	\$1,102.85	
JULY	332.52	43.22	392.23	50.98	44.70	5.81	173.03	317.41	593.33	769.45	\$37,855.70	\$36,663.59	\$47,024.80	452.04	\$9,169.10	
AUG	286.74	39.16	434.43	59.33	11.11	1.52	981.51	687.72	650.90	732.28	\$43,983.95	\$36,983.59	\$49,303.70	44.56	\$5,319.75	
SEPT	239.87	36.23	411.94	62.21	10.35	1.56	119.21	647.03	651.00	662.16	\$42,404.90	\$37,190.53	\$42,611.05	15.13	\$206.15	
OCT	261.90	38.89	400.43	59.46	11.07	1.64	2,310.34	843.41	817.13	673.40	\$43,140.48	\$42,161.43	\$44,233.50	-170.01	\$1,093.02	
NOV	217.81	32.15	451.66	66.68	7.93	1.17	16.79	555.90	551.11	677.40	\$33,490.70	\$29,847.06	\$41,877.80	121.51	\$8,387.10	
DEC	134.35	31.01	290.33	67.00	8.62	1.99	0.00	398.55	403.14	433.30	\$27,798.40	\$21,267.10	\$26,849.40	34.75	-\$949.00	
Average per monthly	238.81	30.90	385.20	66.95	17.29	2.15	646.26	560.50	570.65	641.30	\$36,199.91	\$31,171.95	\$43,732.31	199.51	67,162.72	
Total	2865.67		4622.41		207.49		7755.12	6726.05	6847.74	7695.57	\$434,398.93	\$374,063.40	\$524,787.77	969.52	\$90,388.84	
Town of Fort Frances Tonnage	7488.08										\$434,398.93 Actual		\$524,787.77			
											\$396,950.00 Budget		\$407,271.00			
Total Tonnage	7695.57										\$434,398.93 Forecasted		\$524,787.77			
Residential Tonnage	2865.67	37.24%														
ICI Tonnage	4622.41	60.07%														
Coverage material	7755.12															

Aircraft Landings 2019

As of December 31, 2019

Month	Bearskin Flights			Bearskin- Passengers			Air Bravo Passengers		Government			Private			Med-I-vacs			International			Commercial			Totals			Variance
	2019	2018	2017	2019	2018	2017	2019	2018	2019	2018	2017	2019	2018	2017	2019	2018	2017	2019	2018	2017	2019	2018	2017	2019	2018	2017	2019-2018
January	54	68	76	160	198	308	8	0	0	0	0	4	3	2	60	55	42	0	2	4	42	73	48	160	143	177	17
February	56	66	80	197	187	334	15	0	13	0	1	1	2	1	43	57	32	0	3	0	38	56	39	151	156	155	-5
March	61	73	90	160	249	336	11	0	13	0	10	10	5	4	52	43	50	2	6	14	42	57	51	180	178	192	2
1/4 Total	171	207	246	517	634	978	34	0	26	0	11	15	10	7	155	155	124	2	11	18	122	186	138	491	477	524	14
April	59	77	67	197	270	289	7	0	5	0	0	9	7	18	57	42	40	3	6	4	40	42	41	173	186	201	-13
May	67	77	87	196	276	389	5	2	14	4	8	19	19	8	63	35	50	25	28	0	43	54	56	231	229	259	2
June	61	68	82	208	219	324	9	4	13	4	10	48	24	16	57	36	38	81	70	14	39	49	63	299	273	328	26
1/2 Total	358	429	482	1118	1399	1980	55	6	58	8	29	91	60	49	332	268	252	111	115	36		331	298	950	1165	1312	-215
July	61	74	70	173	228	224	10	7	4	10	3	28	40	26	54	38	51	69	79	76	42	41	54	258	286	324	-28
August	69	69	82	236	219	292	5	5	10	6	4	33	41	27	57	41	66	64	65	80	40	44	50	273	322	313	-49
September	62	66	79	180	197	267	12	2	8	29	7	14	33	14	52	44	40	46	45	42	34	37	39	216	230	249	-14
3/4 Total	550	638	713	1707	2043	2763	82	20	80	53	43	166	174	116	495	391	409	290	304	234	116	453	441	1697	2003	2198	-306
October	66	68	72	219	254	255	13	8	5	5	6	22	18	16	57	37	44	8	8	18	44	43	42	202	203	214	-1
November	61	71	71	180	209	281	17	1	0	2	0	6	5	2	56	41	28	1	1	0	37	40	40	161	168	146	-7
December	47	55	62	111	197	199	13	7		0	0	13	7	2	43	41	36	3	0	0	38	34	40	144	122	139	22
Total	724	832	918	2217	2703	3498	125	36	85	60	49	207	204	136	651	510	517	302	313	252	235	570	563	2204	2496	2697	-292

Fort Frances Airport - Page 2/2 - Fuel Sales - December 31, 2019																			
Fuel Sales Recap - 2019									2019	2018	2017	2016	2015	2014	2013	2012	2011	9 year	Variance
	100LL		Jet Trk		Jet Cab		Month	Year	per	per	per	per	per	per	per	per	per	Average	2019-2018
Month	Liters	Total	Liters	Total	Liters	Total	Total	Total	month	month	month	month	month	month	month	month	month	2019 to 2011	month
January	132	132	7,918	7,918		0	8,050	8,050	8,050	16,597	25,675	7,528	8,692	11,543	7,216	10,252	7,308	11,885	-8,547
February	27	159	7,964	15,882		0	7,991	16,041	7,991	16,286	12,503	11,904	11,231	12,304	6,197	6,918	3,687	10,216	-8,295
March	840	999	12,876	28,758		0	13,716	29,757	13,716	9,798	21,928	13,255	17,795	10,508	12,077	9,329	10,390	12,841	3,918
April	1,379	2,378	11,631	40,389		0	13,010	42,767	13,010	10,398	13,102	8,592	13,219	8,377	4,453	8,251	5,294	9,537	2,612
May	2,615	4,993	16,052	56,441		0	18,667	61,434	18,667	24,839	21,362	24,681	16,161	29,753	18,350	21,891	19,790	21,953	-6,172
June	5,860	10,853	25,203	81,644		0	31,063	92,497	31,063	27,380	27,380	26,015	45,698	30,789	22,786	23,537	25,723	28,277	3,683
July	3,957	14,810	13,189	94,833		0	17,146	109,643	17,146	23,461	24,642	29,002	28,150	14,441	19,232	32,650	19,124	23,277	-6,315
August	5,449	20,259	11,575	106,408		0	17,024	126,667	17,024	30,430	23,029	21,119	36,638	20,450	20,075	30,783	21,467	24,927	-13,406
September	5,303	25,562	11,240	117,648		0	16,543	143,210	16,543	25,191	13,489	21,325	24,238	21,837	18,005	19,431	22,511	20,151	-8,648
October	2,261	27,823	6,815	124,463		0	9,076	152,286	9,076	10,769	16,604	30,655	8,216	15,472	13,109	11,325	13,677	15,021	-1,693
November	278	28,101	1,924	126,387		0	2,202	154,488	2,202	10,748	9,924	22,349	11,616	7,238	6,398	8,170	6,785	9,618	-8,546
December	962	29,063	3,731	130,118	1,159	1,159	5,852	160,340	5,852	13,243	6,560	13,797	7,592	6,849	2,028	8,179	2,446	7,414	-7,391
Total	29,063		130,118		1,159		160,340		160,340	219,140	216,198	230,222	229,246	189,561	149,926	190,716	158,202	195,116	-58,800

Lowest month in last 9 years

Highest month in last 9 years

Highest month

lowest month