

# TOWN OF FORT FRANCES

## Operations and Facilities Executive Committee

### AGENDA - January 5, 2022, 8:30 AM

#### MEETING - Civic Centre

Session #001

**Join on your computer or mobile app**

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[+1 807-701-5975,,572881727#](#) Canada, Thunder Bay

Phone Conference ID: 572 881 727#

Page

- |          |   |         |
|----------|---|---------|
| <b>1</b> | <b><u>Call to Order/Roll Call</u></b>   |         |
| <b>2</b> | <b><u>Disclosure of pecuniary interest and the general nature thereof</u></b> |         |
| <b>3</b> | <b><u>Approval of Previous Committee Minutes</u></b>                          |         |
| 31       | Minutes from the previous meeting on December 8, 2021.                        | 2 - 3   |
| <b>4</b> | <b><u>New Business</u></b>  |         |
| 41       | Enter into Easement Agreements - 1209 and 1219 Sunset Drive                   | 4 - 10  |
| <b>5</b> | <b><u>Information</u></b>   |         |
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| 53       | Sewer and Water Data for 2021   | 22      |
| 54       | Landfill Statistics 2021  | 23      |
| <b>6</b> | <b><u>Adjourn / Next Meeting Date</u></b>                                     |         |

## TOWN OF FORT FRANCES

### MINUTES

SESSION NO. #016

December 8, 2021

A meeting of the Operations & Facilities Executive Committee of the Town of Fort Frances was held in the Committee Room and via Microsoft Teams (virtual meeting resources) on Wednesday December 8, 2021 from 8:30 a.m. to 9:34 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, F. Anwar, CAO, Cody Vangel (8:30 a.m. to 9:34 a.m.), Abdul Shehu (8:30 a.m. to 9:34 a.m.), Randy Thoms (8:30 a.m. to 9:34 a.m.) and Merna Amara (8:30 a.m. to 9:34 a.m.).

### **1 Call to Order/Roll Call**

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 November 17, 2021 - the minutes were approved as circulated.

### **4 New Business**

4.1 Development of a Splash Pad - the administration report was approved as amended.

4.2 Enter into a Contribution Agreement with the Northern Ontario Heritage Fund for Sorting Gap Marina Improvements - the administration report was approved as presented.

4.3 Award of Tender 2021-OF-17 - Installation of a Standby Power System at the Fort Frances Wastewater Treatment Plant - the administration report was approved as presented.

### **5 Outstanding Items**

- 5.1 Annual Energy Conservation and Demand Management Report - the administration report was approved as amended.

## **6 Information**

- 6.1 Operations and Facilities Division - Public Works Area - Operations Stats - September 2021 - the Public Works Stats for September were received and will be forwarded to Council as information only. No action required.
- 6.2 Operations and Facilities Division - Public Works Area - Operations Stats - October 2021 - the Public Works Statistics for October were received and will be forwarded to Council as information only. No action required.

## **7 Adjourn / Next Meeting Date**

- 7.1 The meeting adjourned at 9:34 a.m.

Next meeting January 5, 2022.

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Executive Committee Chair

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T. Rob, Manager of Operations & Facilities

January 5, 2022

Report To: Mayor and Council

From: Travis Rob, Manager of Operations and Facilities

**RE: Enter into Easement Agreements – 1203 and 1219 Sunset Drive**

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Early on in the planning phase for the Sidewalk Linking Project along Sunset Drive it was noted that due to odd property shapes and a meandering road alignment there were two properties that we would have to cross for the purpose of installing the sidewalk. Early conversations with the two property owners, showed support for the greater benefit of the sidewalk and an openness to enter into easement agreements to formalize the sidewalks existence on their properties. It was agreed with the property owners that the survey works, and easement agreements be completed post construction so that the easements could be set for exactly what property was needed for the sidewalk and no more.

Through the design phase of the project and pre-construction phase the Town worked closely with the designers and contractors to site the sidewalk such that the impacts to these properties was limited to as little as possible, while ensuring the maintainability and esthetic of the new sidewalk. Post construction I engaged the CBO/Municipal Planner to undertake the required survey works and draft the easement agreements for the properties in question.

Attached you will find a report from Cody Vangel, EIT, CBO/Municipal Planner outlining the easements for the two properties in question.

It is the recommendation of the Operations and Facilities Executive Committee to enter into easement agreements with the owners of 1203 and 1219 Sunset Drive for the area of their property frontage taken up by the newly constructed sidewalk along Sunset Drive and further that an authorizing by-law be prepared authorizing Mayor and Clerk to execute the easement agreements 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 to enter into easement agreements with the owners of 1203 and 1219 Sunset Drive for the area of their property frontage taken up by the newly constructed sidewalk along Sunset Drive and further that an authorizing by-law be prepared authorizing Mayor and Clerk to execute the easement agreements on behalf of the corporation.**

Manager of Operations and Facilities

**Date:** January 5, 2022

**Report To:** Travis Rob, Operations and Facilities Manager

**From:** Cody Vangel, Chief Building Official & Municipal Planner

**Re:** Sidewalk Easements – 1203 & 1219 Sunset Drive

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Mayor and Council approved in the 2021 Capital Budget the construction of a new sidewalk on the south side of what is now Sunset Drive, from Biddeson Avenue to Riverview Cemetery. Due to varying private property lines and the meandering roadway alignment it was expected early in the project that easements would be necessary at two private property locations being 1203 Sunset Drive and 1219 Sunset Drive. For clarification on some documents attached, 1203 Sunset Drive and 1219 Sunset Drive were referred to as 1203 Colonization Road West and 1219 Colonization Road West prior to January 1, 2022.

Once the sidewalk was constructed, we were able to have a survey team pick up the sidewalk limits and set easement boundary lines as seen in the attached survey. All property owners affected have had a chance to review the survey document and draft easement wording and have not raised any concerns.

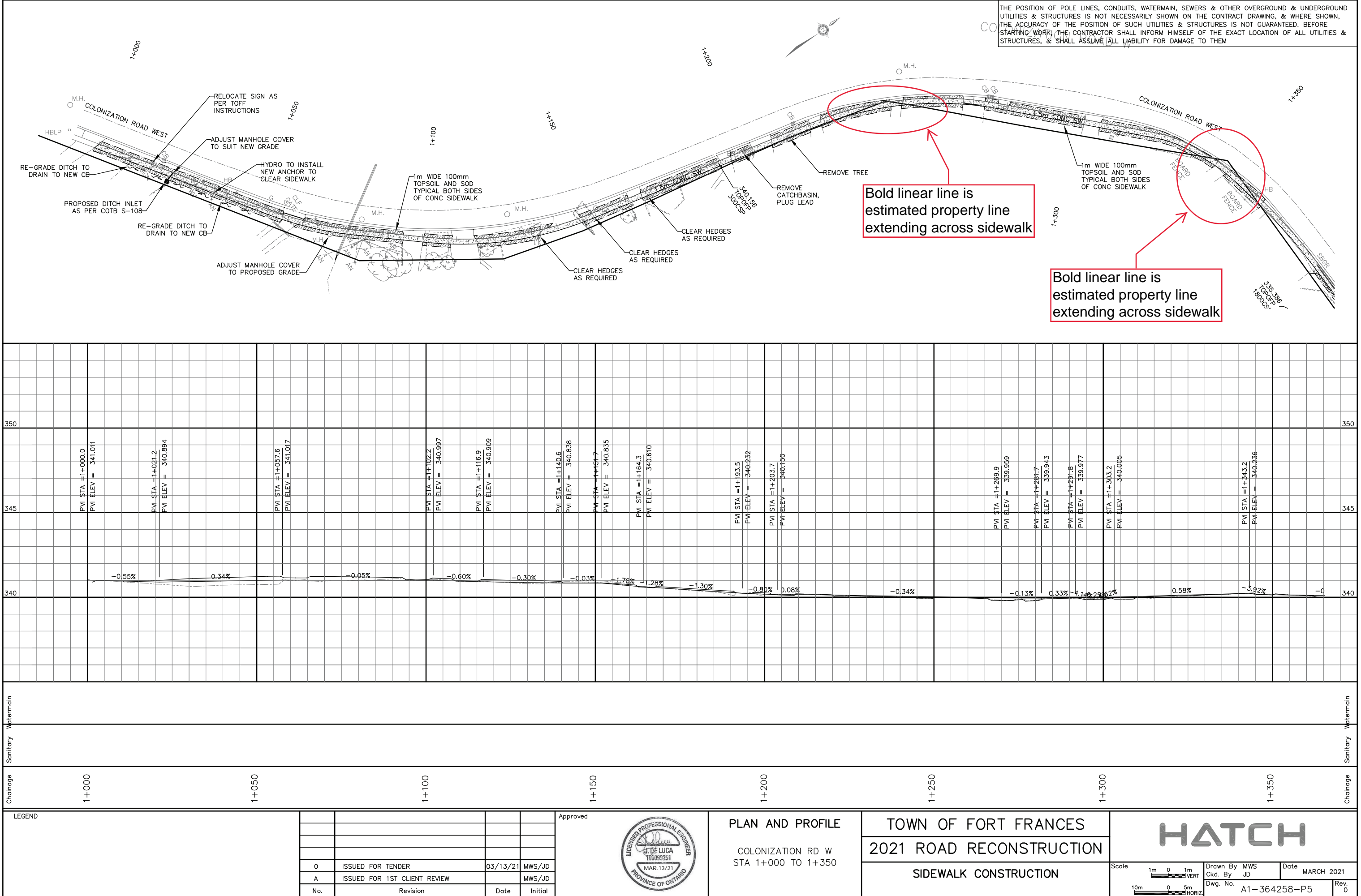
Given that this easement will be between the property owner and the Town of Fort Frances (municipality), the Planning Act alleviates the requirement for Committee of Adjustment approval based on subsection 50(3)(c) and Subsection 50(5)(b). A copy of the proposed draft wording for the easement to be registered on title is attached with this report.

Administration is seeking recommendation from the Operations and Facilities Executive Committee to approve the entering into two easement agreements for the subject properties and to authorize the Mayor and Clerk of the Town of Fort Frances to sign said documents on behalf of the corporation along with the authorizing by-law which will come forward at a future meeting of Council.

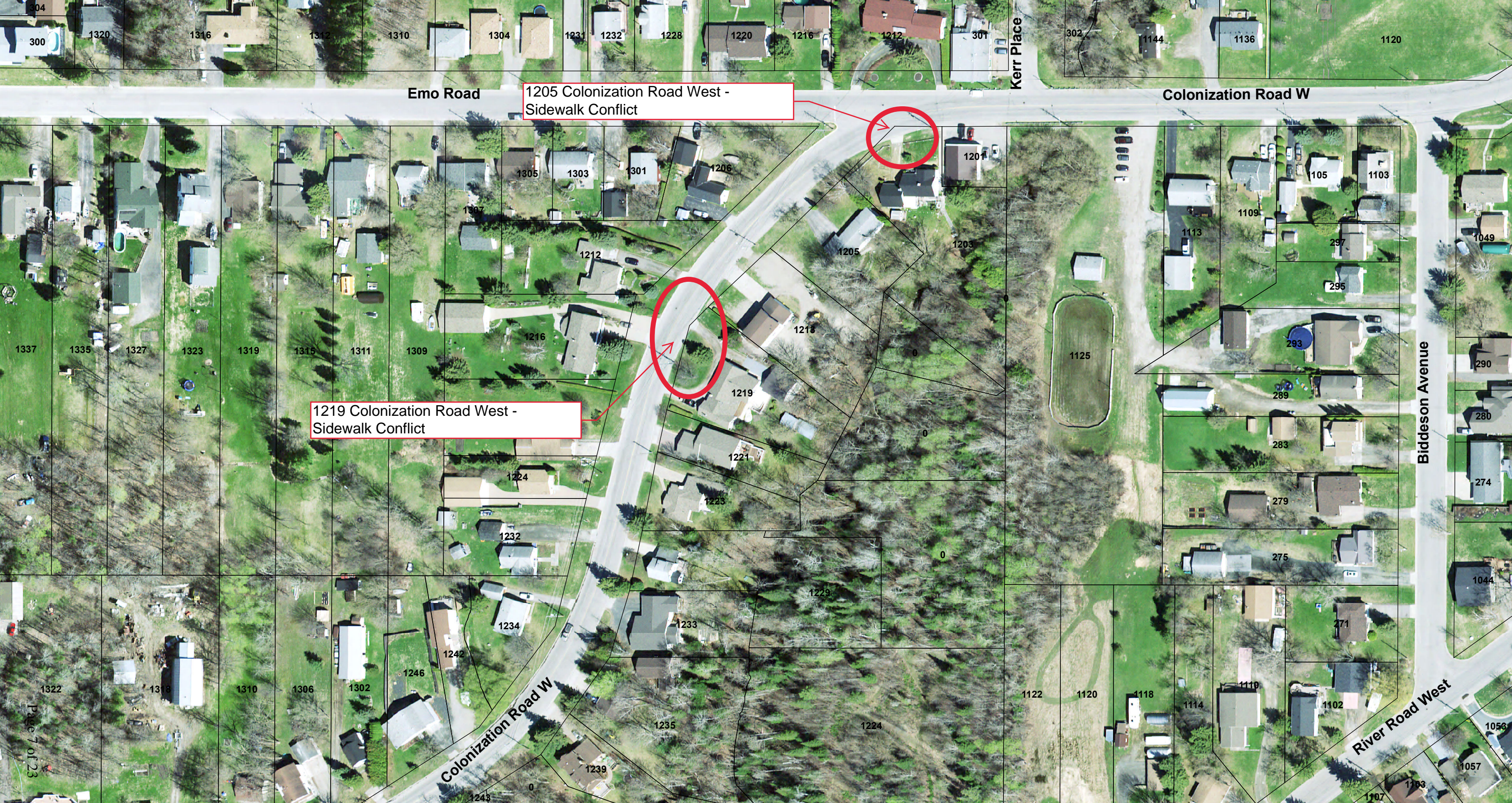
Respectfully submitted.



Cody Vangel  
Chief Building Official & Municipal Planner







Emo Road

1205 Colonization Road West -  
Sidewalk Conflict

Colonization Road W

1219 Colonization Road West -  
Sidewalk Conflict

Colonization Road W

Biddeson Avenue

River Road West



## SCHEDULE

### INTEREST/ESTATE TRANSFERRED – EASEMENT IN GROSS

WHEREAS the Transferor is the owner in fee simple of the lands and premises described in the Properties section of the Transfer of Easement to which this Schedule is attached (the “Easement Lands”).

AND WHEREAS The Corporation of the Town of Fort Frances (the “Transferee”) is the owner in fee simple of the lands and premises (herein the “Transferee’s Lands”, being the Dominant Lands) being composed of Parcel 10793 Sec Rainy /River; PT LT 43 River Range McIrvine PT 2, Rr154 designated as PT 1 on Plan 48R4637 Fort Frances (PIN 56020-0593).

THE TRANSFEROR hereby grants and transfers to the Transferee, its successors and assigns, to be used and enjoyed as appurtenant to the Transferee’s Lands, the free and unencumbered perpetual rights, easements, rights of way, covenants, agreements, and privileges as herein set out in, through, under, over, across, along, and upon the Easement Lands:

1. To lay down, construct, bury, dig up, erect, maintain, operate, inspect, patrol, repair, replace, relocate, alter, upgrade, renew, reconstruct, make additions to and/or remove at any time and from time to time, the sidewalk and/or appurtenances necessary and /or incidental thereto and/or associated material and equipment (all or any of which works are herein called the “Facilities”);
2. To enter on, to exit from and to pass and repass at any and all times, free and unimpeded, in, over, along, upon, across, through, and under the Easement Lands, for and/or by the Transferee and its respective officers, employees, workers, permittees, servants, agents, contractors, subcontractors, with or without vehicles, supplies, machinery, plant, material and equipment for all purposes;
3. To conduct engineering, legal and other surveys in, on and over the Easement Lands; and
4. The right to remove, clear, trim, sever and fell, any buildings, structures, and or obstructions such as trees, roots, brush, stumps, boulders, rock, and/or otherwise encountered during the course of construction and/or subsequent maintenance and/or otherwise of the Facilities.

THE TRANSFEROR shall have the right to fully use and enjoy the Easement Lands provided that without the prior consent of the Transferee, such consent not to be unreasonably withheld, the Transferor shall not erect or place any buildings, structures, and/or obstructions or dig, drill, pave, excavate in, on, and/or within, the Easement Lands.

THE TRANSFEEEE shall be responsible for any damage caused at any time by its agents or employees to the Easement Lands, when practical, the Transferee, after any of its activities, shall restore the Easement Lands appropriately.

NOTWITHSTANDING any rule or law or equity and even though any of the Facilities may become annexed or affixed to the Easement Lands, title to the Facilities shall nevertheless remain in the Transferee and the Facilities shall at any time, and from time to time, be removable in whole or in part by the Transferee, its successors and assigns.

THIS AGREEMENT including all rights, privileges, and benefits herein contained shall extend to, be binding upon, and enure to the benefit of, the parties hereto and their respective heirs, executors, administrators, successors, and assigns.



## SCHEDULE

### INTEREST/ESTATE TRANSFERRED – EASEMENT IN GROSS

WHEREAS the Transferor is the owner in fee simple of the lands and premises described in the Properties section of the Transfer of Easement to which this Schedule is attached (the "Easement Lands").

AND WHEREAS The Corporation of the Town of Fort Frances (the "Transferee") is the owner in fee simple of the lands and premises (herein the "Transferee's Lands", being the Dominant Lands) being composed of Parcel 22403 Sec Rainy River; PT LT 43 River Range McIrvine PT 3 and 5, 48R1484 designated as Part 2 on Plan 48R4637 Fort Frances (PIN 56020-0158).

THE TRANSFEROR hereby grants and transfers to the Transferee, its successors and assigns, to be used and enjoyed as appurtenant to the Transferee's Lands, the free and unencumbered perpetual rights, easements, rights of way, covenants, agreements, and privileges as herein set out in, through, under, over, across, along, and upon the Easement Lands:

1. To lay down, construct, bury, dig up, erect, maintain, operate, inspect, patrol, repair, replace, relocate, alter, upgrade, renew, reconstruct, make additions to and/or remove at any time and from time to time, the sidewalk and/or appurtenances necessary and /or incidental thereto and/or associated material and equipment (all or any of which works are herein called the "Facilities");
2. To enter on, to exit from and to pass and repass at any and all times, free and unimpeded, in, over, along, upon, across, through, and under the Easement Lands, for and/or by the Transferee and its respective officers, employees, workers, permittees, servants, agents, contractors, subcontractors, with or without vehicles, supplies, machinery, plant, material and equipment for all purposes;
3. To conduct engineering, legal and other surveys in, on and over the Easement Lands; and
4. The right to remove, clear, trim, sever and fell, any buildings, structures, and or obstructions such as trees, roots, brush, stumps, boulders, rock, and/or otherwise encountered during the course of construction and/or subsequent maintenance and/or otherwise of the Facilities.

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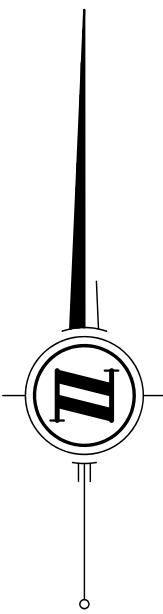
THIS AGREEMENT including all rights, privileges, and benefits herein contained shall extend to, be binding upon, and enure to the benefit of, the parties hereto and their respective heirs, executors, administrators, successors, and assigns.

METRIC

DISTANCES AND COORDINATES SHOWN ON THIS PLAN ARE IN METRES AND CAN BE CONVERTED TO FEET BY DIVIDING BY 0.3048  
AREAS SHOWN ON THIS PLAN ARE IN HECTARES AND CAN BE CONVERTED TO ACRES BY MULTIPLYING BY 2.471

ROTATIONS APPLIED TO PLAN BEARINGS FOR BEARING COMPARISONS	
PLAN	ROTATION
P, P1	0°30'15" CLOCKWISE
P2	0°34'00" CLOCKWISE

COORDINATES BELOW ARE DERIVED FROM GPS OBSERVATIONS USING THE PRECISE POINT POSITIONING SERVICE AND ARE REFERRED TO UTM ZONE 15, NAD83 (CSRS)(2010). COORDINATES COMPLY WITH URBAN ABSOLUTE ACCURACY PER SEC.14(2) OF O.REG. 216/10		
POINT ID	NORTHING	EASTING
A	5 383 467.22	468 068.92
B	5 383 467.96	467 998.60
C	5 383 418.38	467 967.48
COORDINATES CANNOT, IN THEMSELVES, BE USED TO RE-ESTABLISH CORNERS OR BOUNDARIES SHOWN ON THIS PLAN.		



REGISTERED

RAINY

RIVER

PLAN

COLONIZATION

ROAD

SM-51

COLONIZATION

ROAD (ORIGINAL ROAD ALLOWANCE)

NO PIN ASSIGNED

PART 1

REGISTERED PLAN SM-59

PLAN 48R-4637

Received and deposited

December 1<sup>st</sup>, 2021

Vanessa Williams

Representative for the  
Land Registrar for the  
Land Titles Division of  
Rainy River (No.48)

PARTS SCHEDULE

PART	LOT	PIN	AREA
1	PART OF LOT 43	PART OF 56020-0593	23 m <sup>2</sup>
2	RIVER RANGE	PART OF 56020-0158	40 m <sup>2</sup>

PLAN OF SURVEY OF  
PART OF LOT 43  
RIVER RANGE  
TOWNSHIP OF McIRVINE  
TOWN OF FORT FRANCES  
DISTRICT OF RAINY RIVER

SCALE - 1:300



THE INTENDED PLOT SIZE OF THIS PLAN IS 762mm IN WIDTH BY 610mm IN HEIGHT WHEN PLOTTED AT A SCALE OF 1:300.

NOTES

BEARINGS ARE UTM GRID, DERIVED FROM OBSERVED REFERENCE POINTS A AND B, HAVING A BEARING OF N89°23'30"W BY REAL TIME NETWORK (RTN) OBSERVATIONS, UTM ZONE 15, NAD83 (CSRS)(2010).  
DISTANCES ARE GROUND AND CAN BE CONVERTED TO GRID BY MULTIPLYING BY THE COMBINED SCALE FACTOR OF 0.999563.

LEGEND

□	DENOTES A PLANTED SURVEY MONUMENT
■	DENOTES A FOUND SURVEY MONUMENT
SIB	DENOTES STANDARD IRON BAR
SSIB	DENOTES SHORT STANDARD IRON BAR
SIB	DENOTES A PLANTED SURVEY MONUMENT
IB	DENOTES IRON BAR
RPL	DENOTES ROCK PLUG
P	DENOTES PLAN RR-154
P1	DENOTES PLAN 48R-1484
P2	DENOTES PLAN 48R-3177
P3	DENOTES PLAN BY J. BOWMAN, O.L.S., DATED 1999
R	DENOTES RADIUS
A	DENOTES ARC
C	DENOTES CHORD

SURVEYOR'S CERTIFICATE

I CERTIFY THAT:

- THIS SURVEY AND PLAN ARE CORRECT AND IN ACCORDANCE WITH THE SURVEYS ACT, THE SURVEYORS ACT AND THE LAND TITLES ACT AND THE REGULATIONS MADE UNDER THEM.
- THE SURVEY WAS COMPLETED ON THE 15TH DAY OF NOVEMBER, 2021.

2021/11/23  
DATE

PETER de HAAN  
PETER de HAAN  
ONTARIO LAND SURVEYOR

THIS PLAN OF SURVEY RELATES TO AOLS PLAN SUBMISSION FORM NUMBER V-17889.



**TBT ENGINEERING**  
CONSULTING GROUP

TBT SURVEYORS INC. - A WHOLLY OWNED SUBSIDIARY OF TBT ENGINEERING LIMITED

1918 YONGE STREET, THUNDER BAY, ON P7E 6T9  
T: (807) 624-5160 F: (807) 624-5161 www.tbte.ca

DRAWN BY: PD	CHECKED BY: PdeH	DATED: 2021/11/15
DWG. No.:	File: Y:\Projects\2021\21-592 TFF - COLONIZATION\Microsurvey\20-592 Ref Plan.dwg	





**Ontario Clean Water Agency**  
**Agence Ontarienne Des Eaux**

Fort Frances WPCP  
200 McIrvine Rd  
Fort Frances, Ontario  
P9A 3S3  
Tel: 807-274-3121  
Fax: 807-274-8381

December 16, 2021

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  
November 2021 Monthly Report**

As per the operating agreement, the attached document is the November 2021 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. Ty Maurice, Senior Operations Manager.

Yours truly,

A handwritten signature in black ink, appearing to read 'Kelly CTD'.

Kelly Cunningham  
Team Lead

For Ty Maurice  
Senior Operations Manager

**The Corporation of the Town of Fort Frances  
Wastewater Treatment Plant  
(Sewage Plant)  
November 2021 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 November 2021; 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 <sup>3</sup> /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.



## NOVEMBER 2021 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 <sub>5</sub>	2.4 mg/L	25 mg/L	15 mg/L	14.3 kg/d	225 kg/d	135 kg/d
Total Suspended Solids	2.4 mg/L	25 mg/L	15 mg/L	14.5 kg/d	225 kg/d	135 kg/d
Total Phosphorus	0.11 mg/L	1.0 mg/L	0.9 mg/L	0.65 kg/d	9 kg/d	8.1 kg/d
Total Nitrogen Nitrate Nitrogen	8.11 mg/L 5.91 mg/L					
Total Cl <sub>2</sub> Residual		<0.01 mg/L (when in use)				
E-Coli		23.7 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 7.3 to 7.6; average pH was 7.4		
Temperature degrees C				Temperatures ranged from 13.0 to 15.5 C; average temperature of effluent was 14.2 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 November was 6031.0 m<sup>3</sup>/day. This represents 67% of the design average flow. Total treated flow for the month was 180930 m<sup>3</sup>. The Fort Frances WWTP met all effluent compliance criteria for the parameters listed above and additionally was well within the recommended more stringent monthly performance objectives as outlined in the Environmental Compliance Approval.

## **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. Hosed Snail
- Monthly inspection of spiral screen access hatch, removed wrapped debris
- Weekly manifold wash and restrictor cleaning on the Fournier press
- Inspected teacup
- Greased flocculator seal bearing
- Removed wrapped debris from spiral screen
- Changed oil in blower 4

### **Pump Stations:**

- Ran gensets
- Changed seal water strainers
- Peterbilt replaced the block heater on the Central Avenue genset
- Peterbilt replaced the turbocharger on the Fifth Street genset
- Pulled and cleaned pumps 1 and 2 at White Pine lift station

## **PROCESS AND OPTIMIZATION ISSUES**

### **SLUDGE SUMMARY**

Dennis Robinson Limited hauled a calculated total of 98.2 m<sup>3</sup> (10 bins) of thickened digested sludge to the Town of Fort Frances landfill site. The hauled sludge averaged 15.6 % TS for the month but slump test results from the landfill site have not been provided.

The Fournier press ran for 86.4 hours in the past month.



## **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 437 (x 180 multiplier) kWh.

The Fournier press has been operated 1315.5 hours in 2021.

We had an ESA inspection on November 3.

## **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)

2021 Fort Frances Wastewater

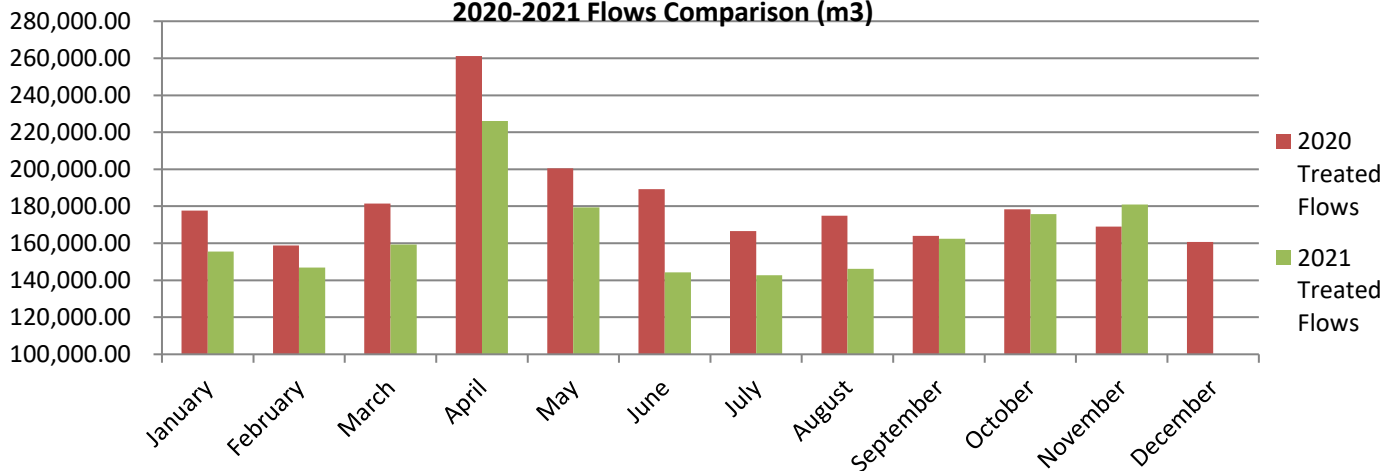
Month	Sewage Flows Year 2021					Usage	Calculated	Sludge	Removal Efficiency	
	Avg. Day	Max Day	Total	Total	Total	% Plant	Volume	Bins	CBOD5 0.976191334	
	Flow	Flow	Treated	ByPass	Volume	Capacity	Hauled	Hauled	Suspended Solids 0.982889015	
	m3	m3	Volume ML	Volume ML	ML		M3		Total Phosphorus 0.96171771	
January	5015.0	5375	155465		155465	56%	134.4	13		
February	5244.0	5551	146883		146883	58%	116.6	11		
March	5141.9	5653	159400		159400	57%	145.6	14		
April	7538.1	11729	226144		226144	84%	125.7	13		
May	5788.8	6607	179453		179453	64%	118.3	11		
June	4811.1	5142	144334		144334	53%	126.4	12		
July	4603.1	5235	142697		142697	51%	128.3	12		
August	4717.7	6678	146248		146248	52%	132.9	13		
September	5434.6	10804	162428	610	163038	60%	130.4	13		
October	5668.5	7447	175723		175723	63%	111.9	11		
November	6031.0	7261	180930		180930	67%	98.2	10		
December						0%				
Sum				610	1820315		1368.7	133		
Average	5454		165428		165483	61%	124.4	12.1		
Max		11729	226144		226144			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.	Geo Mean	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)	Counts /100ml	Minimum	Maximum
January	123.8	2.2	11.1	196.5	2.5	12.7	2.99	0.07	0.33	26.2	11.8	10.0	6.6	7.0
February	91.0	2.7	14.3	185.9	3.0	15.9	2.79	0.08	0.41	22.7	15.1	10.0	6.6	7.1
March	104.4	3.4	17.6	179.1	3.6	18.5	2.34	0.08	0.40	18.6	15.0	12.5	7.0	7.4
April	91.8	2.5	20.0	160.7	5.0	40.5	2.23	0.08	0.63	15.8	12.6	17.8	7.1	7.5
May	87.6	2.3	13.3	166.1	4.0	23.5	2.34	0.11	0.61	18.0	13.9	22.2	7.2	7.4
June	97.8	2.3	10.7	208.8	4.3	20.8	3.18	0.12	0.57	18.6	14.7	55.7	7.2	7.4
July	86.0	2.0	9.3	211.8	2.5	11.5	2.88	0.06	0.27	19.5	12.0	18.1	7.1	7.5
August	117.2	2.5	11.7	210.6	3.5	16.7	3.08	0.16	0.78	28.1	8.3	17.2	7.0	7.4
September	108.3	2.1	14.5	264.2	2.6	14.1	3.19	0.12	0.66	20.3	8.5	129.1	7.3	7.6
October	106.8	2.0	11.1	184.4	2.8	15.8	2.47	0.16	0.90	17.4	7.9	11.9	7.3	7.6
November	95.4	2.4	14.3	147.5	2.4	14.5	2.55	0.11	0.65	18.0	8.1	23.7	7.3	7.6
December														
Average	100.9	2.4	13.4	192.3	3.3	18.6	2.73	0.10	0.56	20.3	11.6	29.8	7.1	7.4
Max	123.8	3.4	20.0	264.2	5	40.5	3.19	0.16	0.90	28.1	15.1	129.1	7.3	7.6
ECA		25	225		25	225		1.0	9.0			200	6.0	9.5

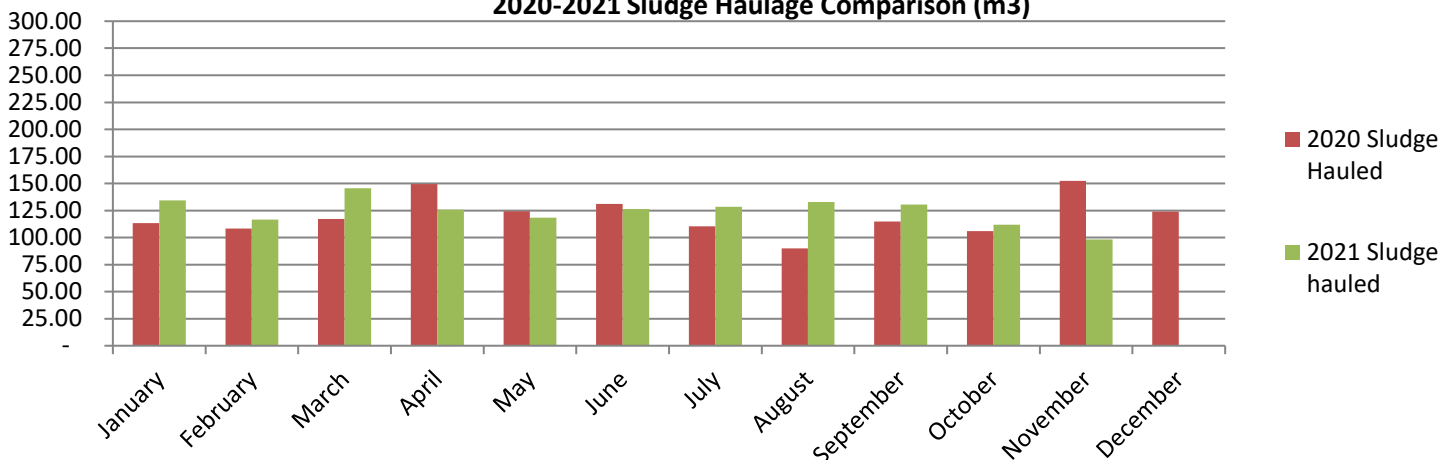
### 2020-2021 Comparison Chart

Month	2020 Treated Sewage	2021 Treated Sewage	% Variance 2020 to 2021	2020 Hauled Sludge	2021 Hauled Sludge	% Variance 2020 to 2021
	m3	m3	m3	m3 (calculated)	m3 (calculated)	m3
January	177,747.00	155,465.00	-14%	113.20	134.40	19%
February	158,832.00	146,883.00	-8%	108.20	116.60	8%
March	181,415.00	159,400.00	-14%	117.10	145.60	24%
April	261,159.00	226,144.00	-15%	149.30	125.70	-16%
May	200,528.00	179,453.00	-12%	124.40	118.30	-5%
June	189,252.00	144,334.00	-31%	131.00	126.40	-4%
July	166,681.00	142,697.00	-17%	110.50	128.30	16%
August	174,870.00	146,248.00	-20%	89.90	132.90	48%
September	163,947.00	162,428.00	-1%	114.80	130.40	14%
October	178,352.00	175,723.00	-1%	105.80	111.90	6%
November	169,049.00	180,930.00	7%	152.50	98.20	-36%
December	160,702.00		#DIV/0!	123.90		-100%
<b>Totals</b>	<b>2,182,534.00</b>	<b>1,819,705.00</b>	<b>-20%</b>	<b>1,440.60</b>	<b>1,368.70</b>	<b>-5%</b>

### 2020-2021 Flows Comparison (m3)



### 2020-2021 Sludge Haulage Comparison (m3)





Workorder Summary Report

Report Start Date: Nov 1, 2021 12:00 AM  
Report End Date: Nov 30, 2021 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
<a href="#">2526040</a>			1103, Fort Frances WPCP	OPER	Inspection	1	MONTHS	Snow Removal at Wastewater Treatment (1m) 1103	COMP	11/1/21 12:00 AM	12/3/21 02:13 PM	12/3/21 02:13 PM	
<a href="#">2536270</a>	0000227376	PANEL ALARM/DIALER	1103, Fort Frances WPCP, Process, Process Control & Monitoring	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 1103	COMP	11/1/21 12:00 AM	11/25/21 11:00 AM	11/25/21 12:00 PM	Dialer Test -We test everyday at 11am.
<a href="#">2536274</a>			1103, Fort Frances WPCP	PM	Refurbish/Replace/Repair	1	MONTHS	Diesel Gensets Inspection/Functional Tests (1m) 1103	COMP	11/1/21 12:00 AM	11/23/21 09:00 AM	11/23/21 10:00 AM	Monthly Gensets -All gensets were serviced and ran in November by Peterbuilt
<a href="#">2536290</a>			1103, Fort Frances WPCP	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 1103	COMP	11/1/21 12:00 AM	11/25/21 07:00 AM	11/25/21 08:00 AM	Monthly H&S -Plow truck due to extensive rust.
<a href="#">2536615</a>			1103, Fort Frances WPCP	PM	Inspection	1	MONTHS	Blowers/Motors Inspection/Service (1m/3m) 1103	COMP	11/1/21 12:00 AM	11/23/21 07:45 AM	11/23/21 08:45 AM	Blower Maint. -I changed oil and greased Blower#4.
<a href="#">2536623</a>	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	11/1/21 12:00 AM	11/28/21 03:36 PM	11/28/21 03:36 PM	Teacup Centrifuge Inspection/Service (1m/3m/1y) 1103 -Drained and inspected Teacup. Drained and hosed Snail, lubricated bearings and drive chain. KC
<a href="#">2537051</a>			1103, Fort Frances WPCP	PM	Refurbish/Replace/Repair	1	YEARS	Tank Inspections (1y) 1103	COMP	11/1/21 12:00 AM	11/27/21 09:34 AM	11/27/21 09:34 AM	Tank Inspections (1y) 1103 -The tanks are in fine shape. KC
<a href="#">2542724</a>	0000246428	PUMP CENT BOUNDARY P1	1103, Boundary Pumping Station, Process	CALL	Refurbish/Replace/Repair	0		Boundary P1 Pump Fail 1103	COMP		11/20/21 01:47 PM	11/20/21 01:53 PM	Boundary P1 Pump Fail -I went to the lift station and greased and backflushed P1 then I reset the alarm and monitored 3 pump cycles and they were normal.
<a href="#">2542725</a>	0000227447	PUMP CENT #1 VERTICAL NON CLOG SEWAGE P1 WHITEPINE	1103, White Pine Pumping Station, Process	CALL	Refurbish/Replace/Repair	0		Whitepine Pump Fail 1103	COMP		11/20/21 01:55 PM	11/20/21 01:59 PM	Whitepine P1 Pump Fail -I went to the lift station and reset the alarm and backflushed the pump and watched 3 pump cycles and it acted normal.
<a href="#">2543078</a>	0000227447	PUMP CENT #1 VERTICAL NON CLOG SEWAGE P1 WHITEPINE	1103, White Pine Pumping Station, Process	CALL	Refurbish/Replace/Repair	0		White Pine P1 Failure Alarm 1103	COMP		11/23/21 07:24 AM	11/23/21 07:31 AM	White Pine P1 Failure Alarm -I arrived at the lift station and reset the pump and unairlocked it. Then I monitored two pump cycles and it was normal.

Workorder Summary Report

Report Start Date: Nov 1, 2021 12:00 AM

Report End Date: Nov 30, 2021 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
<a href="#">2543583</a>	0000227447	PUMP CENT #1 VERTICAL NON CLOG SEWAGE P1 WHITEPINE	1103, White Pine Pumping Station, Process	CALL	Refurbish/ Replace/Repair	0		White Pine P1 Fail 1103	COMP		11/26/21 08:53 AM	11/26/21 09:00 AM	White Pine P1 Fail -I arrived at the lift station and reset the pump then I opened the drywell to listen for anything out of sorts and it operated like normal. I then returned to the plant and monitored multiple pump cycles and they were also normal.
<a href="#">2544114</a>	0000246428	PUMP CENT BOUNDARY P1	1103, Boundary Pumping Station, Process	CALL	Refurbish/ Replace/Repair	0		Boundary Road Pump 1 fault call in 1103	COMP		11/30/21 02:00 AM	11/30/21 03:30 AM	Boundary Road Pump 1 fault call in 1103 -I was called by the auto dialler for a Pump 1 fault at Boundary Road lift station at 02200 hours. I opened a working alone ticket and drove to the station where I was able to reset the fault. The pump was then able to cycle correctly. Back at the wastewater plant I cleared the alarm on the SCADA computer. KC

**Aircraft Landings 2021**  
As of November 30, 2021

Month	Bearskin Flights			Bearskin Passengers			Air Bravo Passengers			Government			Private			Med-I-vacs			International			Commercial			Totals			Variance
	2021	2020	2019	2021	2020	2019	2021	2020	2019	2021	2020	2019	2021	2020	2019	2021	2020	2019	2021	2020	2019	2021	2020	2019	2021	2020	2019	2021-2020
January	4	56	54	9	140	160	0	8	8	0	2	0	2	15	4	36	50	60	0	0	0	0	45	42	42	168	160	-126
February	0	64	56	0	149	197	0	12	15	4	3	13	8	6	1	58	36	43	0	1	0	0	38	38	70	148	151	-78
March	0	41	61	0	99	160	0	0	11	20	1	13	8	10	10	57	39	52	0	6	2	0	0	42	85	97	180	-12
1/4 Total	4	161	171	9	388	517	0	20	34	24	6	26	18	31	15	151	125	155	0	7	2	0	83	122	197	413	491	-216
April	0	1	59	0	0	197	0	0	7	5	2	5	18	10	9	63	30	57	0	1	3	0	0	40	86	44	173	42
May	0	0	67	0	0	196	0	0	5	2	3	14	43	20	19	74	40	63	0	0	25	0	0	43	119	63	231	56
June	0	0	61	0	0	208	0	0	9	5	0	13	159	21	48	68	53	57	0	0	81	0	0	39	232	74	299	158
1/2 Total	4	162	358	9	388	1118	0	20	55	36	11	58	238	82	91	356	248	332	0	8	111	0	83	244	634	594	1194	40
July	9	0	61	29	0	173	0	0	10	30	2	4	185	44	28	80	35	54	0	0	69	0	0	42	304	81	258	223
August	10	0	69	19	0	236	0	0	5	11	0	10	96	31	33	67	38	57	12	0	64	0	0	40	196	69	273	127
September	14	11	62	23	17	180	0	0	12	0	1	8	44	27	14	65	61	52	7	2	46	0	0	34	130	102	216	28
3/4 Total	37	173	550	80	405	1707	0	20	82	77	14	80	563	184	166	568	382	495	19	10	290	0	83	360	1264	846	1941	418
October	16	16	66	35	30	219	0	0	13	0	5	5	18	9	22	62	59	57	2	0	8	0	0	44	98	89	202	9
November	14	15	61	43	46	180	0	0	17	7	3	0	16	14	6	50	45	56	0	0	1	0	0	37	87	77	161	10
December		12	47		15	111		0	13		6	0		4	13		54	43		0	3		0	38	0	76	144	-76
Total	67	216	724	158	496	2217	0	20	125	84	28	85	597	211	207	680	540	651	21	10	302	0	83	479	1449	1088	2448	361



Fort Frances Airport - Page 2/2 - Fuel Sales - November 30, 2021																					
Fuel Sales Recap - 2021									2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	10 year	Variance	
Month	100LL		Jet Trk		Jet Cab		Month	Year	per	per	per	per	per	per	per	per	per	per	Average	2021-2020	
	Liters	Total	Liters	Total	Liters	Total	Total	Total	month	month	month	month	month	month	month	month	month	month	2021 to 2012	month	
January	725	725	4,058	4,058		0	4,783	4,783	4,783	7,962	8,050	16,597	25,675	7,528	8,692	11,543	7,216	10,252	11,502	-3,179	
February	1,023	1,748	6,424	10,482		0	7,447	12,230	7,447	5,077	7,991	16,286	12,503	11,904	11,231	12,304	6,197	6,918	10,046	2,370	
March	1,107	2,855	15,715	26,197		0	16,822	29,052	16,822	6,473	13,716	9,798	21,928	13,255	17,795	10,508	12,077	9,329	12,764	10,349	
April	676	3,531	11,388	37,585		0	12,064	41,116	12,064	1,459	13,010	10,398	13,102	8,592	13,219	8,377	4,453	8,251	8,985	10,605	
May	1,940	5,471	14,609	52,194		0	16,549	57,665	16,549	11,685	18,667	24,839	21,362	24,681	16,161	29,753	18,350	21,891	20,821	4,864	
June	1,698	7,169	77,661	129,855		0	79,359	137,024	79,359	8,082	31,063	27,380	27,380	26,015	45,698	30,789	22,786	23,537	26,970	71,277	
July	2,552	9,721	83,747	213,602		0	86,299	223,323	86,299	11,116	17,146	23,461	24,642	29,002	28,150	14,441	19,232	32,650	22,204	75,183	
August	3,131	12,852	22,668	236,270		0	25,799	249,122	25,799	7,530	17,024	30,430	23,029	21,119	36,638	20,450	20,075	30,783	23,009	18,269	
September	4,082	16,934	16,594	252,864		0	20,676	269,798	20,676	14,689	16,543	25,191	13,489	21,325	24,238	21,837	18,005	19,431	19,416	5,987	
October	1,858	18,792	6,850	259,714		0	8,708	278,506	8,708	4,307	9,076	10,769	16,604	30,655	8,216	15,472	13,109	11,325	13,281	4,401	
November	877	19,669	7,722	267,436		0	8,599	287,105	8,599	13,333	2,202	10,748	9,924	22,349	11,616	7,238	6,398	8,170	10,220	-4,734	
December		19,669		267,436		0	0	287,105	0	5,333	5,852	13,243	6,560	13,797	7,592	6,849	2,028	8,179	7,715	-5,333	
Total	19,669		267,436		0		287,105		287,105	97,046	160,340	219,140	216,198	230,222	229,246	189,561	149,926	190,716	186,933	190,059	

Lowest month in last 9 years  
Highest month in last 9 years  
Highest month  
Lowest month

Sewer & Water Data for 2021

up-dated December 30, 2021

Month	Days per month	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021-2020	2021-2020	2021	2021	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 monthly	cu. meters daily	cu. meters monthly	cu. meters daily		cu. meters monthly	cu. meters daily	cu. meters monthly	cu. meters daily						
January	31	155465	5015.00	10364	334.32	6.67%	105360	3398.7	8149	262.9	7.73%	-3360.0	-22282.0	50105.0	1616.3	13,236,338
February	28	146883	5245.82	8881	317.18	6.05%	103890	3710.4	8149	291.0	7.84%	1990.0	-11949.0	42993.0	1535.5	11,357,547
March	31	159400	5141.94	10550	340.32	6.62%	109120	3520.0	7702	248.4	7.06%	3820.0	-22015.0	50280.0	1621.9	13,282,568
April	30	226144	7538.13	16902	563.40	7.47%	99400	3313.3	7702	256.7	7.75%	3050.0	-35015.0	126744.0	4224.8	33,482,216
May	31	179453	5788.81	11863	382.68	6.61%	113290	3654.5	8768	282.8	7.74%	1600.0	-21075.0	66163.0	2134.3	17,478,412
June	30	144334	4811.13	11136	371.20	7.72%	135470	4515.7	8768	292.3	6.47%	19810.0	-44918.0	8864.0	295.5	2,341,621
July	31	142697	4603.13	11624	374.97	8.15%	178930	5771.9	12835	414.0	7.17%	39900.0	-23984.0	-36233.0	-1168.8	(9,571,744)
August	31	146248	4717.68	11439	418.84	8.88%	139070	4486.1	12835	414.0	9.23%	11320.0	-28622.0	7178.0	231.5	1,896,227
September	30	162428	5414.27	12984	454.77	8.40%	99820	3327.3	8668	288.9	8.68%	-7870.0	-1519.0	62608.0	2086.9	16,539,281
October	31	175723	5668.48	13643	440.10	5.17%	96920	3126.5	8668	279.6	8.94%	-5670.0	-2629.0	78803.0	2542.0	20,817,546
November	30	180930	6031.00	9080	302.67	5.02%	93590	3119.7		0.0	0.00%	-5090.0	11881.0	87340.0	2911.3	23,072,782
December	31		0.00		0.00	#DIV/0!		0.0		0.0	#DIV/0!	-104350	-160702.0	0.0	0.0	-
Total	365	1819705		128466			1274860.0		92242.0			-44850.0	-362829.0	544845.0	1492.7	143,932,793
Monthly Average		153916.0	5134.3	9931.7	330.6		106123.3	3543.0	7999.7	267.4	0.1	816.7	-18748.7	47792.7	1591.2	12625484.3

2021 - Tonnage at Landfill Site - Updated December 30, 2021

2020 - Tonnage at Landfill Site - Updated December 30, 2021									2020			2021			
MONTH	Residential Waste (tonne)	Res (%)	ICI Waste (tonne)	ICI (%)	Non Community Waste (tonne)	Non Community Waste (%)	Covering Material (tonne)	2020	Average last 10 years	2021	Total Fees	Average last 10 years	Total Fees	2020-2019 Tonnes	2020-2019 Fees
	Total Tonne		Total Tonne 2011 to 2020		Total Tonne			Fees 2011 to 2020							
JAN	229.16	49.9%	221.64	48.3%	8.42	1.8%	0.00	430.73	421.97	459.22	\$ 27,424.15	\$ 22,810.82	\$ 25,366.15	28.49	-\$ 2,058.00
FEB	139.10	35.7%	242.80	62.3%	7.59	1.9%	163.96	395.65	344.29	389.49	\$ 23,407.65	\$ 17,034.00	\$ 24,123.20	-6.16	\$ 715.55
MAR	242.51	24.8%	660.86	67.5%	76.40	7.8%	0.00	443.95	424.03	979.768	\$ 29,051.15	\$ 23,642.71	\$ 37,106.95	535.82	\$ 8,055.80
APRIL	237.07	33.7%	455.76	64.8%	10.01	1.4%	1805.60	611.34	573.51	702.84	\$ 42,244.30	\$ 32,712.97	\$ 45,566.13	91.50	\$ 3,321.83
MAY	315.73	44.8%	381.34	54.1%	8.12	1.2%	2672.47	777.33	740.72	705.19	\$ 50,040.01	\$ 39,340.52	\$ 45,287.00	-72.14	-\$ 4,753.01
JUNE	225.07	36.4%	384.15	62.1%	9.55	1.5%	2018.56	600.08	818.98	618.77	\$ 50,850.20	\$ 39,940.83	\$ 40,220.10	18.69	-\$ 10,630.10
JULY	210.87	26.4%	578.99	72.4%	9.51	1.2%	2805.73	670.42	607.43	799.37	\$ 49,691.30	\$ 36,877.55	\$ 39,932.70	128.95	-\$ 9,758.60
AUG	306.07	40.4%	449.11	59.3%	1.92	0.3%	1139.31	770.21	700.85	757.095	\$ 55,399.40	\$ 37,960.82	\$ 52,713.60	-13.12	-\$ 2,685.80
SEPT	308.42	42.3%	410.65	56.3%	10.53	1.4%	15.68	862.70	684.18	729.598	\$ 53,936.60	\$ 38,481.31	\$ 50,808.55	-133.10	-\$ 3,128.05
OCT	250.86	40.4%	356.27	57.4%	13.16	2.1%	313.9	725.18	842.38	620.28	\$ 49,042.25	\$ 43,709.40	\$ 40,565.40	-104.90	-\$ 8,476.85
NOV	244.08	43.2%	310.63	54.9%	10.63	1.9%	0.00	591.91	574.84	565.34	\$ 36,599.30	\$ 30,714.80	\$ 34,202.60	-26.57	-\$ 2,396.70
DEC		#DIV/0!		#DIV/0!		#DIV/0!		553.52	438.58	0	\$ 29,234.45	\$ 22,463.35		-553.52	-\$ 29,234.45
Average per monthly	246.27	43%	404.74	55%	15.08	2%	994.11	619.42	597.65	610.58	\$ 41,410.06	\$ 32,140.76	\$ 39,626.58	649.65	-\$ 5,347.93
Total	2708.94		4452.19		165.84		10935.21	7433.01	7171.74	7326.96	\$ 496,920.76	\$ 385,689.08	\$ 435,892.38	-106.05	-\$ 61,028.38
Town of Fort Frances Tonnage	7161.12										\$ 460,321.46	Actual	\$ 435,892.38		
											\$ 414,194.00	Budget	\$ 440,000.00		
Total Tonnage	7326.96										\$ 496,920.76	Forecasted	\$ 475,518.96		
Residential Tonnage	2708.94	36.97%													
ICI Tonnage	4452.19	60.76%													
Coverage material	10935.21														