

# TOWN OF FORT FRANCES

## Operations and Facilities Executive Committee

AGENDA - April 17, 2017, 1:00 p.m.

### MEETING - Civic Centre

Session #005

	Page
1. <b><u>Call to Order</u></b>	
2. <b><u>Disclosure of pecuniary interest and the general nature thereof</u></b>	
3. <b><u>Approval of Previous Committee Minutes</u></b>	
3.1 Minutes from the previous meeting on March 22, 2017	2 - 3
4. <b><u>Non-agenda Items</u></b>	
5. <b><u>Items Referred from Council</u></b>	
5.1 Request dated March 16, 2017 From Boundary Waters Dragon Boat Festival	4 - 8
6. <b><u>New Business</u></b>	
6.1 Award Tender 17-OF-05 - Rainy Lake Square, Scott Street and Civic Centre Paving Renewal - verbal update	
6.2 Award Tender 17-PD-04 - Civic Centre, Public Works Building, Sunny Cove, Memorial Sports Centre and Children's Complex Capital Renovation Tender.	9 - 12
6.3 Municipal Access Agreement - Tbaytel Fiber Project	13 - 28
6.4 February 2017 Drinking Water Systems Monthly Summary Report.	29 - 36
7. <b><u>Information</u></b>	
7.1 2017 - Tonnage at the Landfill Site - updated April 10, 2017	37
7.2 Aircraft Landings 2017 - updated as of April 10, 2017	38 - 39
7.3 Fort Frances Wastewater Treatment Facility March 2017 Monthly Report	40 - 45
8. <b><u>Adjourn / Next Meeting Date</u></b>	

## TOWN OF FORT FRANCES

### MINUTES

SESSION NO. #004

March 22, 2017

The meeting of Operations & Facilities Executive Committee of the Town of Fort Frances was held in the Civic Centre on March 22, 2017 from 8:30 a.m. to 9:26 a.m.

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

ALSO PRESENT: Charles Fischer (8:45 a.m. to 9:00 a.m.)

#### **1. Call to Order**

1.1 The meeting was called to order at 8:32 a.m.

#### **2. Disclosure of pecuniary interest and the general nature thereof**

None

#### **3. Approval of Previous Committee Minutes**

3.1 Minutes from the previous meeting of this committee on Wednesday March 8, 2017- the minutes were approved as circulated.

#### **4. Non-agenda Items**

None

#### **5. Items Referred from Council**

5.1 Letter Dated March 1, 2017 - Request for a Memorial Bench on the LaVerendrye at 5th Street East - the recommendation was approved as presented.

5.2 Letter Dated February 21, 2017 - Ducks Unlimited Signage - the recommendation was approved as presented.

#### **6. New Business**

6.1 Award of Tender 17-OF-03 - Supply and Deliver 1 Half ton - two wheel drive - 4 door pick up truck - the recommendation was approved as presented.

6.2 Geospatial Data Share Agreement with Fire Underwriters - the recommendation was approved as presented.

6.3 Funding Agreement with Automotive Materials Stewardship - the recommendation was approved as presented.

6.4 2016 Drinking Water Systems Annual Report - Schedule 22 - the recommendation was approved as circulated.

#### **7. Information**

7.1 Operations and Facilities Division - Public Works Area - Operations Statistics - January 2017 - the Public Works Area Statistics for January 2017 were received and will be forwarded to Council as information only. No action required.

- 7.2 2017 Tonnage at the Landfill Site - updated March 15, 2017 - the statistics from the Landfill updated March 15, 2017 were reviewed and will be forwarded to Council as information only. No action required
- 7.3 Operations and Facilities Division - Environmental Area - Operations Statistics - February 2017 - the Environmental Statistics for February 2017 were reviewed and will be forwarded to Council as information only. No action required.
- 7.4 Fort Frances Wastewater Treatment Facility Monthly Report - February 2017 - the report was reviewed and will be forwarded to Council as information only. No action required.
- 7.5 Operations and Facilities Division - Public Works Area - Operations Statistics - February 2017 - the Public Works Statistics for February 2017 were reviewed and will be forwarded to Council as information only. No action required.
- 7.6 Sewer and Water Data for 2017 - updated March 20, 2017 - the Sewer and Water Data as of March 20, 2017 was reviewed and will be forwarded to Council as information only. No action required.

**8. Adjourn / Next Meeting Date**

---

Executive Committee Chair

---

T. Rob, Manager of Operations & Facilities

March 29, 2017

Report To: Administration and Finance Executive Committee

From: Operations and Facilities Executive Committee

**RE: Request dated March 16, 2017 From Boundary Waters Dragon Boat Festival**

---

On March 27, 2017 a request was brought forward from the Boundary Water Dragon Boat Festival requesting assistance from the Town to hold the 6<sup>th</sup> annual International Boundary Waters Dragon Boat Festival on Saturday July 8, 2017. I have taken the liberty to only comment on the items that are directly related to the Operations and facilities division:

**Item 2: The use of picnic tables, with pickup and drop off to be organized by the Committee** - Town will provide picnic tables where the Festival volunteers will be responsible to have the picnic tables delivered to the event site, properly located within the site and returned after the event. However the Boundary Waters Dragon Boat Club will be responsible to wash down and clean up the picnic tables after they have been utilized. Co-ordinate through Travis Rob, Operations & Facilities Manager at 274-9893.

**Item 5: Allow Festival committee to attach pennants, signs & banners to streetlight poles, fencing and other creative places with the assurance that no damage will be done to the infrastructure and the material will be promptly removed after the event** - The installation of banners, signs & pennants should not create a safety hazard to pedestrians walking or riding bikes along the Waterfront walkways. Also motorists' sight lines or vision should not be obstructed when driving along Front Street.

**Item 7: Ensure Extra Garbage Cans at the Site** - Additional garbage containers can be set out for the event. However the O & F division is not in a position to provide manpower to pick-up garbage at the end of the event day. The O&F Division will collect the garbage on Monday July 10, 2017.

Other divisions within the Town's organization will deal with the other matters requested in the letter dated March 16, 2017.

The Operations & Facilities Executive Committee Recommends the following:

- 1) That the Operations & Facilities Division continues to provide in-kind services for **item No. 2** as outlined in the March 16, 2017 letter from Mr. Greg Thorstad. However the Boundary Waters Dragon Boat Club will be responsible to wash down and clean up the picnic tables after they have been utilized.
- 2) That permission is granted to the Boundary Waters Dragon Boat Club in regards to **item No. 5** in accordance with the guidelines listed above.
- 3) **Item No. 7** – The Town will ensure that additional available garbage containers will be provided as requested. However if extra garbage dumpsters are required on site, and a garbage pick-up at the end of the day- these costs and services are the responsibility of the Boundary Waters Dragon Boat Club and not the Town.

Respectfully Submitted

Paul Ryan, Chairman  
Operations & Facilities Executive Committee  
2017AprilDragonBoatRequest



E-Mail: [dragonboatff@gmail.com](mailto:dragonboatff@gmail.com)  
Like: [facebook.com/dragonboatff](https://facebook.com/dragonboatff)  
Visit: [www.boundarywatersdragonboat.com](http://www.boundarywatersdragonboat.com)

---

March 16, 2017

Mayor & Council  
Town of Fort Frances  
320 Portage Avenue  
Fort Frances, ON  
P9A 3P9

**RE: 6<sup>th</sup> ANNUAL INTERNATIONAL BOUNDARY WATERS DRAGON BOAT FESTIVAL**

Dear Mayor and Council:

We respectfully request the following support from the Town of Fort Frances for Saturday, July 8th, 2017.

1. Designate, in writing, the International Boundary Waters Dragon Boat Festival as a significant community festival and event;
2. Authorize the use of Town picnic tables. The Boundary Waters Dragon Boat Festival Committee will organize and arrange for their pick up, cleaning and return;
3. We request that the Town cover any charges associated with any festival permits that may be needed;
4. Supply the International Boundary Waters Dragon Boat Festival with the necessary documents and signage to facilitate closing the road to accommodate the needed team and public participation areas from the Sorting Gap Marina Building (to allow continued public access to the boat launch during the event) to Butler Avenue;
5. Allow the International Boundary Waters Dragon Boat Festival Committee to attach pennants, signs and banners to street light poles, fencing and other creative places with the assurance that no damage will be done to the infrastructure and the material will be promptly removed after the event;
6. Allow access for electrical power;
7. Ensure extra garbage cans at the site, and a garbage pick-up the following Monday.
8. Allow for the road closure along the marina from Butler Avenue to the Sorting Gap marina building from 7:30 am to 5:00 pm on July 8<sup>th</sup>, 2017. A map is attached of the intended closure and festival set up. As always we ensure that the use of the boat launch and the marina building remains fully accessible to the public from the east throughout the day.

Thank you for your consideration, and we look forward to discussing our request in greater detail at your convenience if requested.

Sincerely,

**Greg Thorstad, President**  
**Boundary Waters Dragon Boat Foundation**

Vendor & Dragon  
Boat Parking



General Parking

O

Power

A

P  
o  
t  
t  
y

CAUTION!

CAUTION!

CAUTION!

CAUTION!

D D D  
D K D  
F G E B  
C

Boat

Boat

## LOCATION & TENT ASSIGNMENTS

A- Team Tents  
B- DB Trailer  
C- Spectator Tents  
D- Picnic Tables  
E- First Responders  
F – Officials Tent  
G – Media/Sound Man  
K-Registration / BBQ





300 meters

Butler Ave.  
Dock

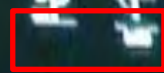
Tug of  
War



500 Metres from Crowe Ave. Dock to end slip



Crowe Ave.  
Dock



-End Slips-  
-Finish Line-



Administration & Finance Division  
Planning & Development Division  
Phone: 807-274-5323  
Fax: 807-274-8479

Mailing Address for All Divisions:  
Civic Centre  
320 Portage Avenue  
Fort Frances, ON  
P9A 3P9



Operations & Facilities Division  
Phone: 807-274-9893  
Fax: 807-274-7360

Community Services Division  
Phone: 807-274-4561  
Fax: 807-274-3799

email: [town@fortfrances.com](mailto:town@fortfrances.com)  
[www.fort-frances.com](http://www.fort-frances.com)

March 28, 2017

Boundary Waters Dragon Boat Club  
Attn: Greg Thorstad, President  
Box 452  
Fort Frances, Ontario P9A 3M8  
via e-mail Boundary Waters [dragonboatff@gmail.com](mailto:dragonboatff@gmail.com)

Dear Mr. Thorstad:

At their meeting March 27, 2017, Council referred the Support Request received March 16, 2017 from Boundary Waters Dragon Boat Club to the Administration and Finance Executive Committee for recommendation, with input from the Planning & Development Executive Committee, the Community Services Executive Committee and the Operations & Facilities Executive Committee.

By copy of this letter, your request has been referred as directed.

Please direct any questions you may have to L. Lindberg, Treasurer, at 274-5323, ext 1225.

Yours very truly,

ADMINISTRATION & FINANCE DIVISION

Elizabeth Slomke, Clerk

/ls

c.c. Administration and Finance Executive Committee  
Attn: L. Lindberg, Treasurer



April 13, 2017

Report To: Mayor & Council

From: Tyson Dennis, Chief Building Official and Municipal Planner

**SUBJECT: Award Tender 17-PD-04 Civic Centre, Public Works Building, Sunny Cove, Memorial Sports Centre and Children's Complex Capital Renovation Tender**

During the week of March 9, 2017, the Town advertised for a Tender Call for the above stated work with the tender closing on Tuesday April 4, 2017. Advertisements were placed in the Fort Frances Times and on the Fort Frances Town website.

Seven (7) tender packages were distributed to construction contractors and/or suppliers with Two (2) Contractors submitting tender bids;

<b>Contractor</b>	<b>Price (HST excluded, including \$25000.00 Contingency Allowance)</b>
Quality Builders	\$280,552.28
Ryan Mason Contracting LTD	\$343,439.84

The work tendered consists of Ten (10) individual projects to be completed by the fall of 2017 as follows with breakdown:

<b>Job</b>	<b>Description</b>	<b>Budget</b>	<b>Quality Builders</b>	<b>Ryan Manson Contracting LTD</b>
1.	Civic Centre Entrance Flooring	\$50000.00	\$49065.70	\$53535.70
2.	Memorial Auditorium Floor	\$14000.00	\$43258.00	\$47171.00
3.	Memorial Auditorium Bar	\$7000.00	\$15950.00	\$19220.00
4.	52 Canadians Meeting Room Windows	\$3000.00	\$5500.00	\$5200.00
5.	Public Works Staff Room/Stores	\$40000.00	\$40053.90	\$41101.10
6.	Children's Complex	\$65000.00	\$38905.00	\$49839.00
7.	Fort Frances Museum Roof	\$50000.00	\$19770.80	\$35961.00
8.	Public Works Landscaping	\$25000.00	\$14139.80	\$30990.20
9.	Ladies Sauna Memorial Sport Centre	\$8000.00	\$6933.00	\$12000.00
10.	Sunny Cove	\$8000.00	\$21972.08	\$23421.84
11.	Contingency Fund		\$25000.00	\$25000.00
	<b>Total</b>	<b>\$270 000.00</b>	<b>\$280,552.28</b>	<b>\$343,439.84</b>

The winning low tender bid was Quality Builders.

Some jobs in the tender prices came in over budget. Analyzing the tender bid prices in comparison to budget allocation accounts, the following jobs have been deleted from the scope of tender 17-PD-04:

<b>Job</b>	<b>Description</b>	<b>Budget</b>	<b>Quality Builders</b>	<b>Ryan Manson Contracting LTD</b>
2.	Memorial Auditorium Floor	\$14,000.00	\$43,258.00	\$47,171.00
4.	52 Canadians Meeting Room Windows	\$3000.00	\$5500.00	\$5200.00
5.	Public Works Staff Room/Stores Partial Painting in Bathrooms	\$40,000.00	\$1681.40	\$2017.40
10.	Sunny Cove	\$8000.00	\$21,972.08	\$23,421.84

The jobs listed above will be either placed on the 2018 capital budget for consideration or completed by obtaining three quotes for completion in the 2017 budget year.

Job 7. "Fort Frances Museum Roof" Is provisional upon approved grant and budget funding for 2017. The Trillium Fund has been awarded to the Town of Fort Frances \$77, 000.00. in 2017. The \$77, 000.00 is granted to the Town of Fort Frances only if equally matched money is available. An application has been submitted to FedNor for funding to match the Trillium Grant, but has not yet been awarded. The deadline for completion of projects under the Trillium funding is March 31, 2018. The Museum roof is part of a job scope which the roof, a public access of barrier free washroom and barrier free entrance ramp will be completed. The replacement of the roof was included in this tender separate of the barrier free works. For the Town to utilize the Trillium Fund, it will need the matching \$77 000.00 to ensure funding is not lost. If Council was to commit the matching funds within the Capital budget, the works could get underway in concert with the construction of the Rainy Lake Square; and pending the successful receipt of the FedNor funds, the expended amounts would be likely eligible for reimbursement under this funding.

Below is a final breakdown of the tender with job scope to be completed:

Summary of Tender Prices									
Project	Budget Allocation	Ryan Mason Bid	Quality Builders Bid	Contingency	Sub total	Town's portion HST	Total Town Cost	Revised Budget Allocation	
Civic Centre Floor Replacement	\$ 50,000.00	\$ 53,535.70	\$ 49,065.70	\$ 3,500.00	\$ 52,565.70	\$ 925.16	\$ 53,490.86	\$ 53,500.00	
MSC Bar Renovation	\$ 7,000.00	\$ 19,220.00	\$ 15,950.00	\$ 1,000.00	\$ 16,950.00	\$ 298.32	\$ 17,248.32	\$ 17,300.00	
PW Stores/Coffee Room Reno	\$ 40,000.00	\$ 41,101.10	\$ 38,372.50	\$ 1,000.00	\$ 39,372.50	\$ 692.96	\$ 40,065.46	\$ 40,100.00	
Children's Complex Roof	\$ 65,000.00	\$ 49,839.00	\$ 38,905.00	\$ 2,500.00	\$ 41,405.00	\$ 728.73	\$ 42,133.73	\$ 42,200.00	
Museum Roof Replacement*	\$ 50,000.00	\$ 35,961.00	\$ 19,774.80	\$ 3,000.00	\$ 22,774.80	\$ 400.84	\$ 23,175.64	\$ 23,200.00	
Public Works Grading	\$ 25,000.00	\$ 30,990.20	\$ 14,139.80	\$ -	\$ 14,139.80	\$ 248.86	\$ 14,388.66	\$ 14,400.00	
Ladies Pool Sauna	\$ 8,000.00	\$ 12,000.00	\$ 6,933.00	\$ 700.00	\$ 7,633.00	\$ 134.34	\$ 7,767.34	\$ 7,800.00	
		\$ 242,647.00	\$ 183,140.80	\$ 11,700.00	\$ 194,840.80	\$ 3,429.20	\$ 198,270.00	\$ 198,500.00	
				Original Budget	Revised Budget	Difference			
Corporate Projects Reserve				\$ 40,000.00	\$ 39,500.00	\$ (500.00)			
Corporate Building Reserve				\$ 90,000.00	\$ 93,600.00	\$ 3,600.00			

It is recommended by Administration that the following be approved:

1. That the reduced scope Tender 17-PD-04 2017 Civic Centre, Public Works Building, Sunny Cove, Memorial Sports Centre and Children's Complex Capital Renovation be awarded to Quality Builders for \$198,270.00 total cost to the Town including contingency.
2. That Council allocate \$77,000.00 matching funds from reserves to ensure funding is not lost from the Trillium Fund for the replacement of the roof, a public access of barrier free washroom and barrier free entrance ramp at the Fort Frances Museum
3. That an authorizing by-law be prepared to authorize the Mayor and Clerk to execute the agreement with Quality Builders on behalf of the Corporation of the Town of Fort Frances.

Respectfully submitted,

Chief Building Official/Municipal Planner

Originally Signed

Tyson Dennis

**Council approval of this report will ensure the following:**

- 1. That the reduced scope Tender 17-PD-04 2017 Civic Centre, Public Works Building, Sunny Cove, Memorial Sports Centre and Children's Complex Capital Renovation be awarded to Quality Builders for \$198,270.00 total cost to the Town including contingency.**
- 2. That Council allocate \$77,000.00 matching funds from reserves to ensure funding is not lost from the Trillium Fund for the replacement of the roof, a public access of barrier free washroom and barrier free entrance ramp at the Fort Frances Museum**
- 3. That an authorizing by-law be prepared to authorize the Mayor and Clerk to execute the agreement with Quality Builders on behalf of the Corporation of the Town of Fort Frances.**

April 17, 2017

Report To: Mayor and Council

From: Travis Rob, Manager of Operations and Facilities

**RE: Municipal Access Agreement – Tbaytel Fiber Project**

---

As Tbaytel nears construction kick off of their fiber installation project within the Town of Fort Frances, obtaining the required approvals for the installation of their plant within the Town's right of way has begun.

Attached to this report is a Municipal Access Agreement which outlines the manner by which Tbaytel will install and maintain their equipment within the Town right of way. This agreement sets out standard procedures for notification, permission, approvals and records for all installations during this construction phase. The agreement also outlines how any future maintenance or expansion activities are to be carried out as well as the requirement to update the Town with drawings as equipment changes. The benefit to an agreement of this form, is that each area of installation will be handled the same as opposed to handling each area separately.

The Operations and Facilities Executive Committee recommends the following:

1. That Council enter into a Municipal Access Agreement with Tbaytel for the installation of fiber within the Town of Fort Frances. And,
2. That a by-law be prepared authorizing Mayor and Clerk to execute the agreement on behalf of the Town of Fort Frances.

Respectfully Submitted



Travis Rob, EIT

**Council approval of this report will ensure:**

1. That Council enter into a Municipal Access Agreement with Tbaytel for the installation of fiber within the Town of Fort Frances. And,
2. That a by-law be prepared authorizing Mayor and Clerk to execute the agreement on behalf of the Town of Fort Frances.

Manager of Operations and Facilities



## MUNICIPAL ACCESS AGREEMENT

**THIS AGREEMENT** made the \_\_\_\_\_ day of \_\_\_\_\_ 2017 (“Effective Date”)

B E T W E E N:

**Tbaytel**  
**(hereinafter called the Company)**

- and -

**TOWN OF FORT FRANCES**  
**(hereinafter called the City)**

**WHEREAS** the Company is a “Canadian carrier” as defined in subsection 2(1) of the *Telecommunications Act* (Canada), S.C. 1993, c. 38, as amended;

**AND WHEREAS**, in order to operate as a Canadian carrier, the Company requires to construct, maintain, operate and remove its transmission facilities, including wires, fibre-optic cables, ducts, conduits, manholes and other accessories, structures and equipment (collectively the “Equipment”) in, on, over, under, along or across highways, streets, road allowances, lanes, bridges, tunnels, viaducts and other ways open to public use within the jurisdiction of the City (“Service Corridors”) and uses such Equipment in the provision of “telecommunications services”, as defined in subsection 2(1) of the *Telecommunications Act*;

**AND WHEREAS** the City is the public authority having jurisdiction over the Service Corridors, except in those instances and to the extent that jurisdiction lies elsewhere;

**AND WHEREAS** the City exercises such jurisdiction for *bona fide* municipal purposes;

**AND WHEREAS**, pursuant to section 43 of the *Telecommunications Act*, the Company requires the City's consent to construct, maintain and operate its Equipment in, on, over, under along, or across the Service Corridors;

**AND WHEREAS** the City is willing to grant its consent to the Company to construct, maintain, operate and remove its Equipment within the Service Corridors where such activity will not unduly interfere with the public use and enjoyment of the Service Corridors by others;

**AND WHEREAS** the City and the Company have agreed that it would be mutually beneficial to outline the terms and conditions pursuant to which said consent shall be provided by the City to the Company in the form of a non-exclusive right;

**NOW THEREFORE**, in consideration of the promises and mutual covenants herein contained, the City and the Company each agree with the other as follows:

### **Scope of Municipal Consent**

1. The City hereby consents to and grants a non-exclusive right to the Company to enter on, excavate, break up or otherwise breach the surface of any Service Corridor including all existing telecommunications easements for the purpose of constructing, operating, maintaining and removing its Equipment, in locations specified by the City within the Service Corridors (“Alignments”) and to remain there as long as is necessary for that purpose, subject to the terms and conditions hereinafter set forth and in accordance with all applicable federal, provincial and municipal statutes and laws or other applicable rules and regulations.

### **Authorization of Work**

2. Notwithstanding section 1, the Company shall not excavate, break up or otherwise breach the surface of any Service Corridor or engage in any other work therein for the purpose of constructing, operating, maintaining or removing any of its Equipment in, on, over, under, along or across any Service Corridor (each of these activities hereinafter collectively called “Work”) without first:
  - a) providing plans to the City’s specified most senior municipal official responsible for overseeing such Work or his or her specified designate (“City Official”), setting out a proposal for an Alignment for the Company’s Equipment and such other information reasonably required by the City Official in a mutually agreed upon form; and
  - b) obtaining the written authorization of the City Official to an Alignment, which approval may not be unreasonably withheld or conditional.
3. The City shall process a proposal submitted by the Company under section 2 in a timely manner so as not to cause any undue delay. In any event, once the plans have been provided to the City Official, the written consent of the City Official shall be deemed to have been given if no written objection from the City Official has been received by the Company within twenty (20) days of transmission by the Company of its request for written consent.
4. Subject to section 14, the Company shall provide all information reasonably required and obtain all required municipal construction and/or other permits normally required

by the City in the circumstances prior to commencing any Work.

5. Notwithstanding sections 2 and 4, the Company may, without the prior written consent of the City, carry out routine maintenance, field testing, subscriber connections and installation or removal of Equipment where there is no need to excavate, break up or otherwise breach the surface of any Service Corridor or other City property. Provided, however, in the event that such work activity will result in disruption of traffic, the Company will comply with such notification procedures as may be reasonably prescribed by the City.

### **Conditions**

6. All Work conducted by or on behalf of the Company is subject to the following conditions:
  - a) the Work shall conform to all applicable federal, provincial and municipal statutes and laws or other applicable rules and regulations, including, but not limited to, the reasonable terms of any authorizations granted by the City Official, permits issued by the City and the provisions of this Agreement;
  - b) the Work shall be conducted and completed to the reasonable satisfaction of the City Official;
  - c) the Work shall be performed in a manner that would not unduly harm or interfere with other support structures, transmission lines, equipment, facilities or similar improvements ("Improvements") present in the Service Corridors;
  - d) after completion of any Work, the Company shall leave the Service Corridor in substantially the same condition in which it was before such Work was undertaken by the Company, free from nuisance and to the reasonable satisfaction of the City Official. If the Company fails to repair and restore any Service Corridors to the reasonable satisfaction of the City Official within thirty (30) days of being notified by the City, the City may effect such repairs and charge all reasonable costs related thereto to the Company;
  - e) if the City reasonably requires that any Work be stopped in the case of emergency, the Company shall cease such Work upon delivery of a notice to the Company to that effect by the City Official; and
  - f) the Company shall be responsible for all Work.

### **Representations and Warranties**

7. The Company represents and warrants to, and covenants and agrees with the City that:

- a) the Company shall not unduly interfere with the public use and enjoyment of the Service Corridors when exercising its rights under this Agreement;
  - b) this Agreement does not grant the Company any title to or other ownership or property interest in any Alignments or Service Corridors;
  - c) the Company shall not register or permit to be registered any instrument claiming an estate, interest or property right in the Service Corridors or other property of the City in any real or personal property registry by virtue of the Company's occupancy or use of the Service Corridors or this Agreement;
  - d) the Company shall not suffer or permit any lien to be filed or registered against any Service Corridors;
  - e) the City has made no representations or warranties as to the state of repair of the Service Corridors or the suitability of the Service Corridors for any business, activity or purpose whatsoever and the Company hereby agrees to take the Service Corridors on an "as is" basis;
  - f) the Company shall, subject to the intended purposes of and the rights and privileges granted to the Company herein, use reasonable efforts to schedule Work and share Alignments and support structures with other providers of service to the public ("Service Providers") occupying and using the Service Corridors, with the intent of minimizing the necessity for road cuts, construction and the placement of support structures in the Service Corridors;
  - g) the Company shall notify the City of any damage caused by the Company in connection with its Work, Equipment or enjoyment of its rights under section 1 of this Agreement; and
  - h) subject to the intended purposes of and the rights and privileges granted to the Company herein, the City may cross the Company's Equipment with its own improvements or otherwise, and may use the Service Corridors for any purpose, and may allow other parties to cross the Company's Equipment with their Improvements or otherwise and to use the Service Corridors.
8. The City represents and warrants to and covenants and agrees with the Company that it has jurisdiction over any Service Corridors for which the City grants consent to the Company and has the authority to grant such consent.

#### **As-Constructed Drawings**

9. The Company shall provide "as-constructed" drawings to the City in a mutually agreed upon form, within six (6) months of completing the construction of Equipment on any Service Corridor.

### **Utility Coordination**

10. The Company agrees to maintain membership in any utility coordinating committees or forums as may be established by the City, and to pay its reasonable and proportionate share of the costs of the administration of such forums.
11. At no cost to the City, location requests will be performed in accordance with Bill 8, Ontario Underground Infrastructure Notification Systems Act, 2012, through Ontario One Call.

### **Emergencies**

12. The Company shall provide to the City Official a list of twenty-four (24) hour emergency contact personnel and shall ensure that the aforementioned list is frequently updated.
13. The City shall provide to the Company a current list of twenty-four (24) hour emergency contact personnel for both its own personnel and those of the other Service Providers and shall ensure that the aforementioned list is frequently updated.
14. Despite section 2, in an emergency, the Company may enter in, on, over, under, along or across the Service Corridor to access its Equipment without the prior written consent of the City, provided that the Company shall notify the City Official at its earliest possible opportunity of the nature of the emergency and of the Company's activities in respect of it and, if excavation is involved, the Company shall restore the surface to its original condition, or as close as possible to its original condition, to the reasonable satisfaction of the City Official.

### **Relocation**

15. If, for municipal purposes, and not at the request of a third party, the City requires that the Equipment to which this Agreement relates be relocated, then the Company shall, within 180 days of written notification by the City Official requiring relocation, or such time as mutually agreed to by the parties, relocate such Equipment.
16. If the Company fails to complete the relocation of the Equipment in accordance with section 15, the City may, but is not obligated to, at its sole option, complete such relocation or other work.
17. The allocation of costs associated with the relocation of cables, wires, and other facilities and equipment owned by third parties and attached to the Company's support structures shall be the responsibility of the City and such third parties. In no event shall the Company be responsible for costs incurred by or charged to such third parties to relocate their equipment attached to the Company's support structure.



18. For Equipment relocations in respect of Equipment authorized to be installed in accordance with section 2 after the execution by the Company and the City of this Agreement and within five (5) years of the authorization being granted for the installation of such Equipment, the City will be responsible for all relocation costs. After five (5) years of the authorization being granted, the percentage of costs assumed by the City will be reduced by 20% in each subsequent year. After nine (9) years of the permit approval being granted by the City, the Company will assume responsibility for all relocation costs.

### **Payments to City**

19. The Company covenants and agrees to pay to the City:
- a) all of the usual permit fees associated with the permits that the Company requires in connection with its Work.

All amounts payable under this Agreement shall be made payable in Canadian currency.

### **Late Payment Charges**

20. Payment terms are net thirty (30) days under this Agreement. Overdue accounts shall be charged interest at the current rate of ten and one half percent (10.5%) per annum compounded monthly and adjusted quarterly by the Ministry of Municipal Affairs or at the maximum lawful rate, whichever is lower.

### **Obsolete Equipment**

21. The Company shall notify the City promptly when it ceases to use Equipment situated in, on, over, under, along or across the Service Corridors. Upon such notification, the City may thereafter, at any time, require the Company to remove the said Equipment or part thereof within a specified period of time, being no less than ninety (90) days from the date of written notification by the City, failing which the City may at its option remove the Equipment at the Company's expense. Any support structure of the Company containing only such abandoned Equipment shall be deemed to have been abandoned by the Company and, unless otherwise agreed by the parties, title thereto shall vest in the City two years after the Company notifies the City that it has ceased to use the Equipment.

### **Excess Capacity**

22. Whenever the Company installs new conduits by open cut along or across any Service Corridors, and the new conduits are not employed for the sole purpose of connecting a single building or customer location to the Company's Equipment, the Company shall:
- a) unless otherwise waived by the City Official in writing, use commercially reasonable efforts to ensure that any conduits to be placed in the Service Corridors are sized so as to accommodate the total estimated future transmission capacity requirements of the Company in, on, over, under, along or across the Service Corridors as reasonably determined by the Company;
  - b) where the Company and the City mutually agree, make available to other Service Providers, on reasonable terms and conditions, such additional excess conduit capacity as the City Official may request in writing for the more efficient administration of the occupancy and use of the Service Corridors by all Service Providers; and

Subject to the intended purposes of the Company herein, the Company shall use commercially reasonable efforts to place its Equipment along routings previously assigned to Service Providers by the City and in or along any support structures situated therein.

### **Third Party Equipment**

23. The Company may allow third parties to use its support structures subject to the associated rates, terms and conditions mutually agreed upon between the Company and the third party requesting the use of the Company's support structures, and further provided that:
- a) The Company's support structure license agreement requires the third party to comply, at the third party's sole expense, with all applicable laws, statutes, codes, ordinances, rules, orders and regulations of all governmental authorities in force, and that the third party shall obtain and maintain any and all permits, licences, official inspections or any other approvals and consents necessary or required for the placement or operation of the third party's equipment structures; and
  - b) the Company does not charge a fee for the third party's use of the Service Corridors.

## **Term of Agreement**

24. Unless otherwise terminated in accordance with the provisions of this Agreement, the initial term of this Agreement shall commence on the Effective Date and shall be ten (10) years in duration. Unless the Agreement is otherwise terminated in accordance with its provisions, it may be extended for two (2) additional successive terms of five (5) year extension periods, such extensions shall take effect automatically and without further notice, unless the Company gives notice to the City at least 90 days prior to the expiration of the then current term that it shall not exercise such right of extension. The initial term and the subsequent terms to the extent applicable shall hereinafter be called the Term.

## **Default and Termination**

25. This Agreement may be terminated at any time during the Term by the mutual written agreement of the City and the Company.
29. A party to this Agreement may terminate the Agreement upon one hundred and eighty (180) days written notice delivered to the other party if that other party defaults under any of its material obligations under this Agreement and fails to correct the default within one hundred and eighty (180) days of receiving written notice of the default.
30. Upon termination of the Agreement and in the absence of a new agreement, either party may submit an application to the Canadian Radio-television and Telecommunications Commission regarding such termination. Such termination shall not affect the use, operation or maintenance of any existing Equipment of the Company.
31. This Agreement may be terminated by the Company providing the City ninety (90) days written notice in the event the Company, at its sole discretion, determines that it no longer requires to enter on, excavate, break up or otherwise breach the surface of the Service Corridors.
32. All covenants, representations, warranties, indemnities and outstanding obligations (including payments to the City up to and including the effective date of termination) of the parties under this Agreement shall survive the termination of this Agreement, however caused.

## **Occupational Health and Safety and Traffic**

33. The Company shall conform and shall be responsible for the conformance by its officers, employees, agents, contractors and invitees to all applicable health and safety laws including any regulations requiring the installation of safety devices or appliances, and any applicable traffic laws or regulations. The City may, on twenty-four (24) hours written notice to the Company, suspend Work performed by or on behalf of the Company on that portion of the Equipment located in, on, over, under, along or across

Service Corridors if there appears to be a material failure to install such devices or because conditions of immediate danger exist that would likely result in injury to any person. Such suspension shall continue until the default or failure is corrected.

### **Environmental Responsibility**

34. The Company agrees to assume all environmental liability relating to its operations under this Agreement, including but not limited to any liability for clean-up of any hazardous substance in, on, under, along, across and around Service Corridors which results solely from:
- a) the operations of the Company in, on, under, along, across or around the Service Corridors; or
  - b) any products or goods brought in, on, under, along, across or around the Service Corridors by the Company without the authorization of the City, or by any other person with the express or implied consent of the Company without the authorization of the City.

Notwithstanding section 8(i), this section shall cease to apply five years following the termination of this Agreement, however such termination is caused.

35. The City shall indemnify and hold the Company and its officers, directors, employees, servants, agents, licensees and invitees harmless from and against any and all claims, suits, actions, costs, damages, penalties, expenses and losses suffered and incurred by the Company or any of its officers, directors, employees, servants, agents, licensees and invitees as a result of or arising from the presence of any hazardous substances in, on, under, over, along and across the Service Corridors or the non-compliance of the City with all applicable environmental legislation.
36. For the purpose of sections 34 and 35, “hazardous substance” means any hazardous substance and includes, but is not limited to, electromagnetic or other radiation, petroleum products and byproducts, industrial wastes, contaminants, pollutants, dangerous substances, and toxic substances, as defined in or pursuant to any applicable law, ordinance, rule, regulation, by-law or code, whether federal, provincial or municipal.

### **Liability and Indemnification**

37. The Company shall indemnify and save harmless the City and its officers, directors, employees, agents, servants, licensees and invitees, from and against all actions, causes of action, proceedings, claims and demands brought against the City, and from and against all losses, costs, damages or expenses suffered or incurred by the City and its officers, directors, employees, agents, servants, licensees and invitees, by reason of any damage to property, including property of the City, or injury, including injury

resulting in death, to persons, including the employees, servants, agents, licensees and invitees of the City, caused by, resulting from or attributable to the negligent act or omission of the Company or any of its employees, servants, agents, licensees or invitees in the performance of this Agreement.

38. The City shall indemnify and save harmless the Company and its officers, directors, employees, agents, servants, licensees and invitees, from and against all actions, causes of action, proceedings, claims and demands brought against the Company, and from and against all losses, costs, damages or expenses suffered or incurred by the Company and its officers, directors, employees, agents, servants, licensees and invitees, by reason of any damage to property, including property of the Company, or injury, including injury resulting in death, to persons, including the employees, servants, agents, licensees and invitees of the Company, caused by, resulting from or attributable to the negligent act or omission of the City or any of its employees, servants, agents, licensees or invitees in the performance of this Agreement.
39. Notwithstanding anything contained in this Agreement, the City and the Company shall not be liable to each other or any third party in any way for indirect or consequential losses or damages, or damages for pure economic loss, howsoever caused or contributed to, in connection with this Agreement or with any Equipment or Service Corridor governed hereby.

#### **Successors and Assigns**

40. This Agreement shall be binding upon and shall enure to the benefit of the Company and the City and their respective successors and assignees. For the purposes of this Agreement, “successors” of a party shall include any person, firm, corporation, or other entity which at any time, whether by merger, acquisition, purchase, or otherwise, shall acquire all or substantially all of the assets of that party. The Company may assign this Agreement during the Term to a successor or to an “affiliate”, as that term is defined in the *Canada Business Corporations Act* (Canada). The Company may not otherwise assign this Agreement without the advance written consent of the City, which consent may not be unreasonably withheld, conditioned, or delayed.
41. In the event of any assignment of the Agreement by the Company, the Company shall remain jointly and severally liable under this Agreement in all respects unless the assignee agrees to be bound by the provisions of this Agreement in which case the Company shall have no further liability under this Agreement.
42. Despite section 40, the Company may pledge the rights granted by this Agreement as security without the consent of the City to any person directly or indirectly providing financing to the Company but such pledge shall not release the Company from its obligations and liabilities under this Agreement.



### **Non Parties to Agreement**

43. Subject to the intended purposes of the rights and privileges granted to the Company herein, nothing in this Agreement shall be construed as affecting any rights or otherwise of others not a party to this Agreement to use any Service Corridors in accordance with the City's legal authority.

### **No Property Rights**

44. Neither the entering on or breaking up of a Service Corridor by the Company, nor the Company's continuation in a Service Corridor for the purpose of constructing, operating, maintaining or removing its Equipment under this Agreement shall create or vest in the Company or any other party any ownership or property rights in any Alignments or in the Service Corridors, and the Company shall be and remain a non-exclusive rights-holder in respect of the Service Corridors.
45. Placement of the Equipment in the Service Corridors shall not create or vest in the City any ownership or property rights to the Equipment, except as specifically provided herein.

### **Workers' Compensation Coverage**

46. The Company agrees that it shall, at its own expense, procure and carry, or cause to be procured and carried and paid for, full workers' WSIB coverage for itself and all workers, employees, and others authorized to engage in or upon any Work.

### **Insurance**

47. The Company shall maintain insurance in sufficient amount and description as will satisfy the Company's obligations under this Agreement to protect the City from claims for damages, personal injury including death, and for claims from property damage which may arise under this Agreement, including but not limited to the construction, maintenance, operation or removal of the Equipment in, on, over, under, along or across the Service Corridors or any act or omission of the Company's employees, agents, contractors or licensees.
48. In addition to the foregoing, the Company covenants and agrees that with respect to the insurance coverage described in section 47:
- a) the limits of liability for personal injury, bodily injury and property damage combined shall be for not less than two million dollars (\$2,000,000.00) for each occurrence;
  - b) the comprehensive general liability insurance shall extend to cover the contractual obligations of the Company as stated within this Agreement; and

- c) all policies shall provide that they cannot be cancelled, lapsed or materially changed without at least thirty (30) days notice to the City by registered mail.

## **General**

49. **Independent Contractors.** The relationship of the Company and the City established by this Agreement is that of independent contractors, and nothing contained in this Agreement shall be construed:
- a) to give either party the power to direct or control the day-to-day activities of the other;
  - b) to constitute the parties as partners, joint venturers, co-owners or otherwise as participants in a joint or common undertaking; or
  - c) to allow either party to create or assume any obligation on behalf of the other party for any purpose whatsoever.
50. **Notice.** All formal notices hereunder shall be in writing and shall be deemed effective upon receipt when delivered by hand, overnight delivery courier, by facsimile transmission (provided such notice is also given in any of the other manners set forth herein) or when mailed by registered or certified mail (return receipt requested), postage prepaid, to the parties at the addresses listed below (or at such other address for a party as shall be specified by like notice).

If to the City:

**The Town of Fort Frances  
320 Portage Avenue  
Fort Frances, ON P9N 3P9**

If to the Company:

**Tbaytel  
Simone Laatu  
VP, Chief Technology & Information Officer  
1046 Lithium Dr.  
Thunder Bay, ON P7B 6G3**

With a copy to:

Tbaytel  
1046 Lithium Drive  
Thunder Bay, ON. P7B 6G3  
Attn: Regulatory Affairs

51. **Modifications.** No waiver of or changes to any provision of this Agreement shall be effective unless reduced to writing and signed by authorized representatives of both parties.
52. **Waiver.** The failure of either party to insist upon strict adherence to any term or condition of this Agreement on any occasion shall not be considered a waiver of any right thereafter to insist upon strict adherence to that term or condition or any other term or condition of this Agreement.
53. **Severability.** If any provision of this Agreement is held to be invalid or unenforceable by a court or regulator of competent jurisdiction, then the remaining provisions will nevertheless remain in full force and effect, and the parties shall use their best efforts to endeavour to give effect to the Agreement as originally contemplated before the provision was held to be invalid or unenforceable to the maximum extent permitted by law.
54. **Counterparts; Original Signature Copies.** This Agreement may be executed in counterparts, each of which shall be deemed an original.
55. **Time.** Time is of the essence in this Agreement.
56. **Governing Law.** This Agreement shall be governed by and interpreted in accordance with the laws of the province or territory in which the City is situated and the laws of Canada applicable therein, excluding the conflict of laws provisions thereof.
57. **Equitable Relief.** Either party may, in addition to any other remedies it may have at law or equity, seek equitable relief, including, without limitation, injunctive relief, and specific performance to enforce its rights or the other party's obligations under this Agreement.
58. **Headings.** The section headings contained in this Agreement are for reference purposes only and shall not in any way affect the meaning or interpretation of this Agreement. The term "section" refers to a section of this Agreement, unless explicitly otherwise stated.
59. **Gender, Number and Person.** Words importing the neuter gender shall include the masculine and feminine genders. In this Agreement, "person" means any individual, corporation, partnership, association, joint venture or organization of any kind and the lawful trustee, successor, assignee, transferee or personal representative of any of the foregoing. Words importing person shall include firms and corporations and vice versa. Words importing the singular shall include the plural and vice versa.

60. **Treatment of Personnel.** Each party shall bear sole responsibility for payment of compensation (including applicable benefits) to its personnel assigned to perform that party's obligations under this Agreement, and shall also bear sole responsibility for any applicable source deductions required by law in respect of such personnel. Under no circumstances shall the other party be considered the employer of any such personnel.
61. **Cumulative remedies.** Except as otherwise expressly stated in this Agreement, all remedies available to either party for breach of this Agreement are cumulative and may be exercised concurrently or separately and the exercise of any one remedy shall not be deemed an election of such remedy to the exclusion of other remedies.
62. **No Rules of Construction.** This Agreement shall not be interpreted in favour or against a party on the basis of the existence or absence of legal representation in the case of either party.
63. **Entire Agreement.** This Agreement sets forth the entire agreement and understanding of the parties relating to the subject matter herein and supersedes all prior agreements, whether oral or written, relating to the subject matter hereof.
64. **Acknowledgement.** Each party acknowledges that it has read this Agreement, including the Schedules attached hereto and forming part hereof, and each party understands and agrees to be bound by its terms and conditions.

**IN WITNESS WHEREOF**, the parties have caused this Agreement to be executed by their duly authorized representatives.

**Tbaytel**

---

Name: Simone Laatu  
Title: VP, Chief Technology & Information Officer

**THE TOWN OF FORT FRANCES**

---

Name:  
Title:



March 30, 2017

Report To: Mayor & Council

From: Travis Rob, Manager of Operations & Facilities

**SUBJECT: February 2017 Drinking Water Systems Monthly Summary Report**

Please find attached the February 2017 Summary Report on the drinking water systems, prepared by Randy White, Senior WTP Operator.

Your Administration recommends that Operations & Facilities Executive Committee accept the February 2017 report as presented.

Respectfully submitted,  
Operations & Facilities Division

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

<p><b>Council approval of this report will</b> accept the February 2017 Drinking Water Systems Monthly Summary Report and approve the report prior to it being made available to the general public.</p>
--

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

03CouncilwaterreportMarch 2015

**February, 2017**

**Monthly Summary Report  
Water Systems**

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

**Dated: March 17, 2017**

### 1) **Introduction:**

This report contains the major maintenance activities and operational events that occurred during the month of February 2017 at the Water Treatment Plant - Water Works # 220000978 and the Airport Groundwater Well Water Works # 26002736. This information report has been prepared for Council to better understand how the water systems they own and operate are maintained on a monthly basis. Also, this report will assist Council as Directors of the Corporation in exercising its obligation to meet a reasonable Standard of Care as outlined in Section 19 of the Safe Drinking Water Act.

### 2) **Flow Data:**

Water Treatment Plant: See attached spreadsheet. No flow data for Airport groundwater well.

### 3) **Microbiological (Health Related) Water Analysis– Main Water System # 220000978:**

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

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

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

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

Water distribution samples taken at the following locations:

- |                       |                        |                      |              |
|-----------------------|------------------------|----------------------|--------------|
| 1. 740 Scott St.      | 2. 1050 Portage Ave    | 3. 901 Wright Ave.   | 4. W. Tower  |
| 5. 1036 Victoria Ave. | 6. 901 Wright Ave.     | 7. 500 King's Hwy.   | 8. W. Tower  |
| 9. 1111 First St. E.  | 10. 604 Third St. E.   | 11. 740 Sixth St. W. | 12. W. Tower |
| 13. 122 Scott St.     | 14. 1036 Victoria Ave. | 15. 810 King's Hwy.  | 16. W. Tower |

### 4) **Microbiological (Health Related) Water Analysis– Airport Groundwater Well # 26002736:**

No samples taken.

The Airport has signs posted in the men's and women's washroom stating that the water has not been tested or treated for drinking purpose in accordance with the Health Protection and Promotion Act – Section 7 of the Small Drinking Water Systems Regulation, O. Reg. 318/08 (*Amended to Safe Drinking Water Act, 2002 - Section 6 of Ontario Regulation 252/05*). The operators do a visual inspection of the

warning notices at a minimum of once per week to ensure that they are legible and comply with Ontario Regulation 318/08, Section 7(5).

**5) Free Available Chlorine Residual (FAC) – Main Water System – # 220000978:**

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

**6) Free Available Chlorine residual (FAC) – Airport Groundwater Well System # 26002736:**

Signs posted, exempt from testing.

**7) Maintenance Activities at the WTP:**

Feb. 02<sup>nd</sup> - cleaned the four (4) check valves on the poly unit.  
- cleaned the top and bottom tank on the poly unit.

Feb. 13<sup>th</sup> - calibrated the Distribution Chlorine Analyzer.

Feb. 17<sup>th</sup> - greased clarifier gear bearings and chains.

Feb. 23<sup>rd</sup> - shut down plant and ran emergency generator under load for approximately one (1) hour.

Feb. 27<sup>th</sup> - calibrated Distribution Chlorine Analyzer.  
- worked on Compressor No. 1.

**8) Water Complaints:**

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

9) **Other Miscellaneous Information:**

Feb. 01<sup>st</sup> - received a shipment of Chlorine tonners.

Feb. 06<sup>th</sup> - took weekly routine micro samples.

Feb. 08<sup>th</sup> - water main repair - 400 Blk. Sinclair St. - bacti samples – first set.

Feb. 09<sup>th</sup> - water main repair - 400 Blk. Sinclair St. - bacti samples – second set.

Feb. 13<sup>th</sup> - took weekly routine micro samples.

Feb. 17<sup>th</sup> - took grab samples off the filters.

Feb. 22<sup>nd</sup> - took weekly routine micro samples.

Feb. 23<sup>rd</sup> - meeting - went through emergency standby generator standard operating procedure.

Feb. 27<sup>th</sup> - took weekly routine micro samples.

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

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

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

**Monthly Report February 2017**

Town of Fort Frances - Water Treatment Plant - Water Works # 220000978  
Monitoring Record  
February 2017

Operating Data		Units	MAC or Range																										Total	Average			
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29		
Flow rates	Raw Water	10 <sup>3</sup> M <sup>3</sup>	17	5.55	5.30	5.49	5.60	5.42	5.22	5.42	5.42	5.45	5.35	5.28	5.39	5.50	5.37	5.33	5.32	5.38	4.30	5.50	5.23	5.26	5.64	5.38	5.34	5.55	5.47	5.16	5.39	150.01	5.36
	Peak Instantaneous - Raw Water	L/s	n/a	43.38	63.21	63.26	63.21	63.19	63.07	63.16	63.06	63.05	63.10	62.99	62.96	62.95	62.80	63.10	63.13	62.88	63.01	62.90	62.97	62.93	62.85	62.92	62.82	62.79	62.75	62.77	1701.28	63.01	
	Treated Water	10 <sup>3</sup> M <sup>3</sup>	17	3.55	3.49	3.70	3.51	3.68	3.57	3.63	3.61	3.72	3.70	3.38	3.59	3.96	3.72	3.66	3.77	3.68	3.55	3.72	3.54	3.35	3.90	3.68	3.56	3.88	4.30	4.03	4.13	103.68	3.70
	Peak Instantaneous - Treated Water	L/s	n/a	80.96	82.61	81.58	80.70	80.85	79.28	80.98	81.06	80.07	80.44	78.77	79.83	81.37	82.67			81.69	87.91	81.87	79.52	79.96	94.39	80.65	81.22	81.94	82.95	82.74	83.83	2142.17	82.39
	Backwash Water	10 <sup>3</sup> M <sup>3</sup>	n/a		0.718	0.721	0.718			0.715	0.593	0.452	0.274	0.186			0.261	0.274	0.280	0.266	0.273				0.716							7.79	0.487
Fluoride Information																																	
	Fluoride Residual - Treated Water	mg/l		0.5 to 0.8	0.510	0.540	0.530	0.550	0.520	0.540	0.500	0.510	0.530	0.500	0.530	0.530	0.540	0.560	0.550	0.530	0.590	0.600	0.600	0.620	0.610	0.630	0.660	0.550	0.580	0.570	0.600	15.68	0.56
Turbidity Information																																	
	Raw Water	NTU	n/a	0.81	0.26	0.69	0.72	0.77	0.74	0.77	0.82	0.86	0.78	0.76	0.71	0.80	0.73	0.82	0.80	0.77	0.80	0.83	0.87	0.82	0.86	0.84	0.91	0.94	0.92	0.87	0.91	22.70	0.81
	Sealed Water	NTU	n/a	0.18	0.17	0.15	0.14	0.13	0.14	0.17	0.16	0.14	0.19	0.17	0.17	0.19	0.21	0.19	0.17	0.20	0.18	0.16	-16	0.17	0.15	0.17	0.18	0.19	0.19	0.18	0.16	4.60	0.17
	Treated Water	NTU	1	0.09	-1	0.12	0.10	0.10	0.10	0.09	0.11	0.09	0.10	0.09	0.10	0.12	0.13	0.14	0.14	0.13	0.10	0.09	0.08	0.08	0.11	0.13	0.12	0.13	0.12	0.14	0.12	2.97	0.11
Other Operating Parameters																																	
	pH - Treated Water	no units		6.5 to 8.5	7.22	7.23	7.23	7.25	7.17	7.25	7.26	7.11	7.19	7.05	7.03	7.05	7.12	7.21	7.19	7.17	7.21	7.24	7.27	7.28	7.21	7.09	7.15	7.2	7.22	7.20	7.28	201.25	7.19
	pH - Sealed Water	no units	n/a	6.88	6.67	6.60	6.71	6.66	6.76	6.81	6.71	6.83	6.90	6.78	6.67	6.76	6.74	6.76	6.65	6.75	6.69	6.72	6.74	6.77	6.71	6.73	6.77	6.66	6.69	6.55	6.75	188.82	6.74
	pH - Raw Water	n/a	n/a	7.22	7.32	7.25	7.19	7.15	7.19	7.21	7.03	7.10	7.02	7.03	7.10	7.10	7.13	7.14	7.21	7.15	7.20	7.16	7.19	7.12	7.09	7.12	7.19	7.12	7.15	7.19	7.22	200.29	7.15
	FAIC - Treated Water	mg/l	0.2 to 4	2.20	2.26	2.11	2.03	2.03	2.38	2.14	2.10	2.15	2.14	2.09	2.05	2.08	2.18	2.15	2.24	2.18	2.16	2.68	2.07	2.04	2.10	2.16	2.12	2.08	2.01	2.00	2.26	60.23	2.15
	Total Chlorine Residual Treated	mg/l	0.3 to 7	2.32	2.40	2.28	2.20	2.21	2.36	2.42	2.40	2.44	2.50	2.36	2.32	2.40	2.44	2.36	2.42	2.36	2.38	2.36	2.28	2.18	2.20	2.50	2.48	2.38	2.20	2.26	2.56	65.97	2.36
	Temperature	C	15	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0	3.0	2.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	75.0	2.68	
	Fluoride used (Total Daily Consumption)	kg	n/a	17.0	16.0	17.0	17.0	17.0	16.0	10.0	10.0	11.0	12.0	12.0	13.0	12.0	12.0	13.0	14.0	18.0	22.0	22.0	21.0	21.0	21.0	21.0	21.0	21.0	20.0	19.0	22.0	467.0	16.88
	Chlorine used (Total Daily Consumption)	kg	n/a	21.0	21.0	20.0	20.0	20.0	20.0	21.0	20.0	20.0	21.0	19.0	20.0	21.0	20.0	20.0	23.0	21.0	19.0	21.0	21.0	21.0	21.0	20.0	21.0	21.0	20.0	19.0	22.0	571.0	20.39
	Soda ash (Total Daily Consumption)	kg	n/a	194.3	185.5	182.2	186.0	186.7	182.7	189.7	189.7	180.8	187.3	184.8	188.7	182.5	188.0	186.6	186.2	188.3	150.5	182.5	183.1	184.1	187.4	186.3	186.9	184.3	181.5	180.6	188.7	5250.4	187.51
	Soda ash - Dosage	mg/l	n/a	36.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	980.0	35.01
	Alum residual - (Total Daily Consumption)	kg	n/a	194.3	185.5	182.2	186.0	186.7	182.7	189.7	189.7	180.8	187.3	184.8	188.7	182.5	188.0	186.6	186.2	188.3	150.5	182.5	183.1	184.1	187.4	186.3	186.9	184.3	181.5	180.6	188.7	5250.4	187.51
	Alum residual - Treated Water	mg/l	n/a	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	980.0	35.01
	Poly coag added (25 kg bags )	kg	0.1	0.5	0.06	0.04	0.05	0.04	0.07	0.05	0.07	0.07	0.08	0.05	0.02	0.06	0.05	0.05	0.06	0.04	0.06	0.07	0.07	0.04	0.04	0.05	0.04	0.01	0.0	0.05	0.05	13.8	0.05

Flow Data FEBRUARY	Units	2015		2016		2017	
		Day of the Month		Day of the Month		Day of the Month	
Total Raw Water	m <sup>3</sup>		146690		147910		150010
Raw Maximum Day	m <sup>3</sup>	Tuesday 24th	6120	Monday 1st	5930	Wednesday 22nd	5640
Raw Minimum Day	m <sup>3</sup>	Monday 2nd & Thursday 12th	4850	Tuesday 16th	4900	Monday 27th	4300
Raw Average Daily Consumption	m <sup>3</sup>		5240		5100		5360
Total Treated Water	m <sup>3</sup>		107690		110250		103680
Treated Water Maximum Day Consumption	m <sup>3</sup>	Saturday 28th	4470	Monday 29th	4190	Sunday 26th	4300
Treated Water Minimum Day Consumption	m <sup>3</sup>	Thursday 12th	3340	Saturday 20th	3590	Tuesday 21st	3350
Treated Water Average Day Consumption	m <sup>3</sup>		3850		3800		3700
Daily Average Per Household Consumption Rate	m <sup>3</sup>		1.018		1.004		0.978
* Daily Average Per Person Consumption Rate	m <sup>3</sup>		0.482		0.476		0.463
Monthly Averages - Operating Parameters WTP:							
FAC Residual - Treated Water	mg/L		1.94		2.19		2.15
Total Chlorine Residual - Treated Water	mg/L		2.22		2.41		2.34
Aluminum Sulphate - Raw Water	mg/L		37.5		35.0		35.0
Aluminum Sulphate - Treated Water Residual	mg/L		0.06		0.05		0.05
Fluoride - Treated Water	mg/L		0.57		0.60		0.56
Soda Ash - Raw Water	mg/L		36.4		35.0		35.0
PH - Adjusted	mg/L		7.12		7.25		7.19
Temperature	C		2.00		2.38		2.68
Quantity of Chemical Used:							
Aluminum Sulphate	kg		5499.3		5176.9		5099.9
Polyelectrolyte	kg		62.5		50.0		75.0
Chlorine Gas	kg		542		567		571
Soda Ash - Used for PH Adjustment	kg		5341.9		5176.9		5099.9
Fluoride	kg		290		446		467

\* The Canadian Average is 450 Litres (0.45 m<sup>3</sup>) per day.

\* Population is 7986

\* Number of Households is 3783



2017 - tonnage at Landfill Site - updated April 10, 2017

MONTH	Residential Waste tonnes	Res %	ICI Waste tonnes	ICI %	Non Community Waste tonnes	Non Com %	Covering Material tonnes	2016	Average last 10 years	2017	Total Fees	Average last 10 years	Total Fees	2017-2016 Tonnes	2017-2016 Fees
								Total Tonne	Total Tonne	Total Tonne		Fees 2007 to 2016			
JAN	137.74	30.55	304.18	67.47	8.93	1.98	0.00	369.18	360.75	450.85	\$20,490.00	\$17,849.10	\$26,266.82	81.67	\$5,776.82
FEB	111.80	31.97	230.26	65.85	7.60	2.17	0.00	314.92	306.73	349.66	\$17,474.70	\$15,355.62	\$20,191.04	34.74	\$2,716.34
MAR	149.38	32.06	309.46	66.41	7.17	1.54	0.00	395.39	411.69	466.01	\$23,164.20	\$21,321.44	\$28,951.58	70.62	\$5,787.38
APRIL		#DIV/0!		#DIV/0!		#DIV/0!		573.09	574.04	0.00	\$34,152.50	\$30,505.60		-573.09	-\$34,152.50
MAY		#DIV/0!		#DIV/0!		#DIV/0!		641.69	719.34	0.00	\$34,655.80	\$36,978.61		-641.69	-\$34,655.80
JUNE		#DIV/0!		#DIV/0!		#DIV/0!		1,246.89	846.85	0.00	\$37,412.30	\$38,270.35		-1,246.89	-\$37,412.30
JULY		#DIV/0!		#DIV/0!		#DIV/0!		618.23	673.76	0.00	\$37,556.30	\$37,267.74		-618.23	-\$37,556.30
AUG		#DIV/0!		#DIV/0!		#DIV/0!		897.44	657.07	0.00	\$43,194.40	\$34,723.56		-897.44	-\$43,194.40
SEPT		#DIV/0!		#DIV/0!		#DIV/0!		695.10	651.51	0.00	\$42,510.30	\$34,879.94		-695.10	-\$42,510.30
OCT		#DIV/0!		#DIV/0!		#DIV/0!		686.35	803.03	0.00	\$36,305.40	\$40,187.03		-686.35	-\$36,305.40
NOV		#DIV/0!		#DIV/0!		#DIV/0!		615.60	569.91	0.00	\$37,603.60	\$29,432.34		-615.60	-\$37,603.60
DEC		#DIV/0!		#DIV/0!		#DIV/0!		587.46	416.38	0.00	\$21,415.30	\$21,716.47		-587.46	-\$21,415.30
Average per monthly	132.97	31.53	281.30	66.58	7.90	#DIV/0!	0.00	636.78	582.59	105.54	\$32,161.23	\$29,873.98	\$25,136.48	-386.06	-91,940.06
Total	398.92		843.90		23.70		0.00	7641.34	6991.06	1266.52	\$385,934.80	\$358,487.81	\$75,409.44	-6374.82	-\$310,525.36
Town of Fort Frances Tonnage											\$385,934.80	Actual	\$75,409.44		
	1242.82										\$384,888.00	Budget	\$384,888.00		
								Includes 603.005t associated with the Fight the Blight Campaign							
Total Tonnage	1266.52										\$385,934.80	Forecasted	\$301,637.76		
Residential Tonnage	398.92	31.50%													
ICI Tonnage	843.90	66.63%													
Coverage material	0.00														

**Aircraft Landings 2017**  
As of April 10, 2017 Statistics - Page 1/2

Month	Bearskin Flights			Bearskin- Passengers			Government			Private			Med-I-vacs			International			Commercial			Totals			Variance
	2017	2016	2015	2017	2016	2015	2017	2016	2015	2017	2016	2015	2017	2016	2015	2017	2016	2015	2017	2016	2015	2017	2016	2015	2017-2016
January	76	70	76	308	261	256	0	1	6	2	3	6	42	30	43	4	3	4	48	36	42	172	143	177	29
February	80	69	67	334	233	241	1	1	2	1	1	7	32	35	36	0	1	3	39	49	40	153	156	155	-3
March	90	69	78	336	199	341	10	0	5	4	17	30	50	34	36	14	3	5	51	55	38	219	178	192	41
1/4 Total	246	208	221	978	693	838	11	2	13	7	21	43	124	99	115	18	7	12	138	140	120	544	477	524	67
April		81	81		288	330		7	1		8	23		47	41		3	2		40	53	0	186	201	-186
May		88	82		309	365		4	1		9	28		37	37		32	34		59	77	0	229	259	-229
June		76	80		273	322		0	11		30	36		38	31		77	74		52	96	0	273	328	-273
1/2 Total	246	453	464	978	1563	1855	11	13	26	7	68	130	124	221	224	18	119	122	138	291	346	544	1165	1312	-621
July		72	81		221	297		2	8		48	40		51	35		66	83		47	77	0	286	324	-286
August		84	79		256	297		6	4		42	39		66	31		71	73		53	87	0	322	313	-322
September		78	76		277	328		1	0		15	17		40	36		45	44		51	76	0	230	249	-230
3/4 Total	246	687	700	978	2317	2777	11	22	38	7	173	226	124	378	326	18	301	322	138	442	586	544	2003	2198	-1459
October		85	83		357	309		2	4		10	20		41	47		18	9		47	51	0	203	214	-203
November		72	68		328	260		3	0		20	9		28	30		7	1		38	38	0	168	146	-168
December		64	68		231	200		0	0		0	4		29	31		0	2		29	34	0	122	139	-122
Total	246	908	919	978	3233	3546	11	27	42	7	203	259	124	476	434	18	326	334	138	556	709	544	2496	2697	-1952

Fort Frances Airport- Page 2/2 - Fuel Sales - As of April 10, 2017

Fuel Sales Recap - 2017									2016	2015	2014	2013	2012	2011	2010	2009	2008	2007	9 year	Variance 2016-2015
Month	100LL		Jet Trk		Jet Cab		Month	Year	per	per	per	per	per	per	per	per	per	per	Average	per month
	Liters	Total	Liters	Total	Liters	Total	Total	Total	month	month	month	month	month	month	month	month	month	month	2015 to 2007	month
January	8,175	8,175	17,500	17,500	0	0	25,675	25,675	7,528	8,692	11,543	7,216	10,252	7,308	10,971	15,989	29,926	16,283	13,002	18,147
February	8,377	16,552	4,126	21,626	0	0	12,503	38,178	11,904	11,231	12,304	6,197	6,918	3,687	5,782	13,135	21,134	11,782	10,316	599
March	4,574	21,126	16,954	38,580	200	200	21,728	59,906	13,255	17,795	10,508	12,077	9,329	10,390	15,539	9,612	27,435	19,969	14,235	8,473
April		21,126		38,580		200	0	59,906	8,592	13,219	8,377	4,453	8,251	5,294	24,825	10,676	22,466	28,609	13,505	-8,592
May		21,126		38,580		200	0	59,906	24,681	16,161	29,753	18,350	21,891	19,790	25,375	24,033	30,287	47,258	26,824	-24,681
June		21,126		38,580		200	0	59,906	26,015	45,698	30,789	22,786	23,537	25,723	27,768	22,395	35,995	40,736	28,416	-26,015
July		21,126		38,580		200	0	59,906	29,002	28,150	14,441	19,232	32,650	19,124	30,455	24,925	33,390	44,875	27,566	-29,002
August		21,126		38,580		200	0	59,906	21,119	36,638	20,450	20,075	30,783	21,467	33,139	28,250	40,177	41,630	28,566	-21,119
September		21,126		38,580		200	0	59,906	21,325	24,238	21,837	18,005	19,431	22,511	23,363	18,937	28,822	30,341	22,730	-21,325
October		21,126		38,580		200	0	59,906	30,655	8,216	15,472	13,109	11,325	13,677	15,033	21,304	16,631	28,020	18,358	-30,655
November		21,126		38,580		200	0	59,906	22,349	11,616	7,238	6,398	8,170	6,785	17,747	10,754	16,951	16,842	12,582	-22,349
December		21,126		38,580		200	0	59,906	13,797	7,592	6,849	2,028	8,179	2,446	7,641	7,596	13,083	14,733	8,484	-13,797
Total	21,126		38,580		200		59,906		230,222	229,246	189,561	149,926	190,716	158,202	237,638	207,606	316,297	341,078	224,583	-170,316
								Jan to June	91,975	112,796	103,274	71,079	80,178	72,192	110,260	95,840	167,243	164,637	106,298	6,054

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

April 11, 2017

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

Attention: Mr. Doug Herr  
Environmental and Facilities Superintendent

Dear Doug:

**Re: Fort Frances Wastewater Treatment Facility  
March 2017 Monthly Report**

As per the operating agreement, the attached document is the March 2017 monthly report for the Fort Frances Wastewater Treatment Facility.

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

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

Yours truly,



Kelly Cunningham  
Senior Operator

For Larry Wachter  
Operations Manager

**The Corporation of the Town of Fort Frances  
Wastewater Treatment Plant  
(Sewage Plant)  
March 2017 Monthly Operations Report**

## **INTRODUCTION**

In accordance with the Agreement between the Ontario Clean Water Agency (Operating Authority) and the Town of Fort Frances, the Fort Frances Sewage Treatment Plant is required to prepare a monthly report. This document covers the reporting month of March 2017; 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.

## MARCH 2017 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>	2.8 mg/L	25 mg/L	15 mg/L	20.5 kg/d	225 kg/d	135 kg/d
Total Suspended Solids	5.7 mg/L	25 mg/L	15 mg/L	42.0 kg/d	225 kg/d	135 kg/d
Total Phosphorus	0.20 mg/L	1.0 mg/L	0.9 mg/L	1.4 kg/d	9 kg/d	8.1 kg/d
Total Nitrogen Nitrate Nitrogen	7.98 mg/L 4.94 mg/L					
Total Cl <sub>2</sub> Residual		<0.01 mg/L (when in use)				
E-Coli		39.5 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 7.5 to 7.9; average pH was 7.6		
Temperature degrees C				Temperatures ranged from 7.5 to 9.5 C; average temperature of effluent was 8.0 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 March was 7199.5 m<sup>3</sup>/day. This represents 80% of the design average flow. Total treated flow for the month was 223183 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 objective levels as outlined in the Environmental Compliance Approval.

## INVENTORY

Chemical	End of Month Status	Units
Hypochlorite	1100 +/- @ 8.0% +3x205 L @ 12%	Litres
Alum	15.0 +/- @ 55 %	Cubic meters
Polymer	6 x 205 L drums	Liters

## MAINTENANCE

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

### 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
- Weekly inspection of spiral screen access hatch, removed wrapped debris as required
- Greased the flocculator bearing seal
- Changed oil in blowers 2,3 and 4
- Weekly manifold wash on the Fournier press
- Wiped DO probes
- Replaced the air filter blower 3
- Greased clarifier drives

### Pump Stations:

- Ran gensets
- Changed seal water strainers
- Adjusted the ventilation louvers in White Pine lift station genset building
- Bud's Electric meggered pump 1 at Boundary Road lift station

## **PROCESS AND OPTIMIZATION ISSUES**

The lack of a booster pump for the polymer system dilution water is preventing further optimization of the new sludge thickener.

## **SLUDGE SUMMARY**

Asselin Storage and Transportation Limited hauled a calculated total of 85.4 m<sup>3</sup> (12 bins) of thickened digested sludge to the Town of Fort Frances landfill site. The hauled sludge averaged 18.6 % solids for the month.

## **COMPLAINTS**

There were no complaints during the report period.

## **BYPASS REPORT(S)**

There were no bypass events during the report period.

## **COMMENTS**

Plant power consumption for the month was 632 (x 180 multiplier) kWh.

The polymer/water solution flow for the month of March was 223 m<sup>3</sup> at a polymer concentration of 0.2%.

A trial of two new, more affordable polymers was run and one of them is working very well and has been selected as our default polymer for the time being.

Screen and Dewatering Upgrades at the FFWWTP have been under way since May 30, 2016.

## **REPORTS**

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

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

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

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



Month	Sewage Flows Year 2016					Usage	Sludge	Sludge	Removal Efficiency	
	Avg. Day	Max Day	Total	Total	Total	% Plant	Volume	Bins	CBOD5 0.967475951	
	Flow	Flow	Treated	ByPass	Volume	Capacity	Hauled	Hauled	Suspended Solids 0.963222417	
	m3	m3	Volume ML	Volume ML	ML		M3		Total Phosphorus 0.922590837	
January	5636.9	6162	174745		174745	63%	85.3	11		
February	6284.1	9818	175956		175956	70%	63.3	8		
March	7199.5	8844	223183		223183	80%	85.4	12		
April						0%				
May						0%				
June						0%				
July						0%				
August						0%				
September						0%				
October						0%				
November						0%				
December						0%				
Sum				0	573884		234	31		
Average	6374		191295		191295	71%	78.0	10.33333333		
Max		9818	223183		223183			12		
C of A	9000	18000								

	BOD5/CBOD5			Suspended Solids			Total Phosphorus			Nitrogen		E. Coli
	Avg. Raw	Avg. Eff.	Avg. Load	Avg. Raw	Avg. Eff.	Avg. Load	Avg. Raw	Avg. Eff.	Avg. Load	Avg. Raw	Avg. Eff.	Geo Mean
	BOD	CBOD	CBOD	S.S	S.S	S.S	T.P	T.P	T.P	TKN	Total N	Counts
	(mg/L)	(mg/L)	(kg/day)	(mg/L)	(mg/L)	(kg/day)	(mg/L)	(mg/L)	(kg/day)	(mg/L)	(mg/L)	/100ml
January	84.0	2.0	11.3	138.4	3.2	18.1	2.31	0.11	0.63	17.5	8.8	3.6
February	64.3	2.3	15.5	142.6	5.8	35.2	2.04	0.18	1.09	16.5	8.0	11.8
March	70.0	2.8	20.5	118.7	5.7	42.0	1.98	0.20	1.42	15.8	8.0	39.5
April												
May												
June												
July												
August												
September												
October												
November												
December												
Average	72.8	2.4	15.8	133.2	4.9	31.8	2.1	0.16	1.05	16.6	8.3	18.3
Max	84	2.8	20.5	142.6	5.8	42	2.3	0.20	1.42	17.5	8.8	39.5
C of A		25	225		25	225		1.0	9.0	200	6.0	200