

TOWN OF FORT FRANCES

Operations and Facilities Executive Committee

AGENDA - October 19, 2016, 8:30 AM

MEETING - Civic Centre

Session #017

Page

1. **Call to Order**
2. **Disclosure of pecuniary interest and the general nature thereof**
3. **Approval of Previous Committee Minutes**

Minutes from the previous meeting of this Committee on September 21st, 2016.

4. **Non-agenda Items**

5. **In-Camera**

5.1 Litigation or potential litigation - Damage Claim

6. **New Business**

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6.3 Submission of Funding Application under the New Clean Water and Wastewater Fund (CWWF) Program 15 - 18

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7. **Information**

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8. **Adjourn / Next Meeting Date**

TOWN OF FORT FRANCES

MINUTES

SESSION NO. #016

September 21, 2016

The meeting of Operations & Facilities Executive Committee of the Town of Fort Frances was held in the Civic Centre on September 21, 2016 from 8:30 a.m. to 9:40 a.m.

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

ALSO PRESENT: Bill Kraig, Doug Herr, Greg Wiedenhoeft (8:30 a.m. to 9:04 a.m.) and Patrick Briere and Arlene Byrnes (By-Law - 9:20 a.m. to 9:30 a.m.)

1. Call to Order

The meeting was called to order at 8:30 a.m.

2. Disclosure of pecuniary interest and the general nature thereof

None

3. Approval of Previous Committee Minutes

3.1 Minutes from the meeting of this Committee on September 7, 2016 - the minutes were approved as circulated.

4. Non-agenda Items

None

5. Items Referred from Council

5.1 Letter from William Krag - owner of 800 Block Scott Street - Water Service Repair Invoice - recommended that there be a \$500.00 reduction from the invoice.

5.2 Letter from Mr. Wayne Lundstrum - Use and Care of Pedestrians and Bicyclists - the administration report was reviewed and will be forwarded to Council for approval.

6. New Business

6.1 Request to Rent Property for the Purpose of cash crops - Deferred

6.2 Airport Property Land Lease Private Aircraft Hangers - Shane Pope - the administration report was reviewed and will be forwarded to Council for approval.

6.3 Airport Property Land Lease Private Aircraft Hangers - Todd Laugheed - the administration report was reviewed and will be forwarded to Council for approval.

6.4 Surplus Equipment - Wastewater Treatment Plant and Public Works Shop - the administration report was reviewed and will be forwarded to Council for approval.

7. Information

7.1 Fort Frances Wastewater Treatment Facility July 2016 Monthly Report - the Fort

Frances Wastewater Treatment Facility July 2016 report was reviewed and will be forwarded to Council as information only. No action required.

- 7.2 Sewer and Water Data for 2016 - updated September 12, 2016 - the Sewer and Water Data as of September 12, 2016 was reviewed and will be forwarded to Council as information only. No action required.

8. Adjourn / Next Meeting Date

Adjourn at 9:40 a.m. with the next meeting scheduled for October 19, 2016.

Executive Committee Chair

T. Rob, Manager of Operations & Facilities

October 17, 2016

Report To: Mayor and Council

From: Travis Rob, Manager of Operations & Facilities

RE: Sewage Backup – 509 Victoria Avenue

Please find attached report from Doug Herr, Environmental and Facilities Superintendent outlining the chain of events leading up to the sewage backup at this property as well as the repair works completed by the Town forces to remedy the situation. It is evident through this report that, in repairing a water break, the Town crew inadvertently damaged the sanitary sewer service for this property.

The letter enclosed from Mr. & Mrs. MacEachern, is requesting compensation for the costs incurred by the property owner to have Pryde's Plumbing and Heating attend the site to try to repair the service, however there is no cost stated. Given that the problem was likely tied to the water main break near the location of the sanitary sewer line. It is the recommendation of the Operations and Facilities Executive Committee that the request for partial compensation for the works completed by Pryde's Plumbing and heating be accepted in principle and once an invoice is submitted, further consideration be given to the value.

Respectfully Submitted



Travis Rob, EIT

Manager of Operations & Facilities

<p>Council Approval of this report will agree with the recommendation of the Operations and Facilities Executive Committee that that the request for partial compensation for the works completed by Pryde's Plumbing and heating be accepted in principle and once an invoice is submitted, further consideration be given to the value.</p>

2016October509VictoriaAveClaim

October 16, 2016

Report To: Travis Rob, Manager of Operations & Facilities
From: Douglas Herr, Environmental & Facilities Superintendent
SUBJECT: Sewage Backup
509 Victoria Avenue (Heather & Geoff MacEachern)
Letter Dated: October, 2016

Find attached a letter from Heather and Geoff MacEachern requesting that the Town pay for the plumbers charges for trying to unplug their sewer repairs in September of 2016.

I have outlined the chain of events that took place, see below:

- September 4, 2016 – the Public Works On-call person, Dave Martin arranged for a crew to repair a water break on the 300 block of First Street East near Victoria Avenue. The break was an abandoned lead water service which the crew terminated at the water main.
- September 27, 2016 – The Town received a telephone call for a plugged sewer at 509 Victoria Avenue. A Town crew was dispatched to the residence to try and unplug the sewer service. The crew arrived at the residence at approximately 10:00 a.m. where they ran the roto-rooter cable with the larger knife out towards the main. Ran all the cable out 100 feet but line remained plugged. Tried running the roto-rooter cable from the cleanout at the property line on First Street back towards the house. Could only get in approximately 50 feet. And could not get past this point. Kept trying from both ends. Even added on a 30 foot extension onto the cable. Still could not get the service line unplugged.

Heather and Geoff MacEachern came into the Public Works office in the later morning asking me, Greg Wiedenhoeft was present what the Town was going to do about their sewer service and why they would let someone build over their service. I told them that there were a couple of options; one is to install a new service off Victoria Avenue from this property or excavate in the yard at the northwest corner of the house and try using the pressure truck to clear the line. They elected to have Daryl's Landscaping excavate in their yard. I told them that in the meantime, locates were required the Town would continue to work on resolving the issue.

- September 28, 2016 – A Town crew went back to 509 Victoria Avenue to try once more. I contacted Travis George and told him to trace the roto-rooter cable once he had it all the way out. I checked the sanitary sewer main television reports to see if there were any other connections on First Street East (300 block). I telephoned Greg Wiedenhoeft with my findings. He measured the distance to the service tie-in from the sanitary main at First Street East and Victoria Avenue along First Street East. This measurement coincided with the trace location of the roto-rooter cable and ended up in the same location of the water service repair done September 4, 2016.

I talked with Travis George and Dave Martin whom were both on the repair to see if they had come across a sanitary sewer service. The both said that they did not.

Being that it was coincidental that the roto-rooter cable traced to this location. It then was determined that the Town would re-excavate the water service repair location to see if the

sewer service had be damaged. The MacEachern's were notified of what the Town was going to do and to have Darly's Landscaping hold off in excavating the backyard until the Town completed the excavation.

This same day the Town excavated down to the sewer service where they found it had been inadvertently damaged, either during the excavation or backfilling operations. The repair was completed and the service to 509 Victoria Avenue was restored. The excavation was partially backfilled.

- September 29, 2016 – The remainder of the excavation for sewer service repair work was completed.

In viewing the property file for this property the records indicated that the sewer service did go to First Street East and was shared with 511 Victoria Avenue, see attached sketch. This is why time was spent by both the Owner's plumber and the Town to try and resolve the issue. It was only when the roto-rooter cable was traced to another location on First Street that it became evident that the service did not go where the sketch showed. It actually goes under both 511 and 513 Victoria Avenue residences. A new sketch has been made up outlining the location, also attached.

As for the Town paying for the Owner's plumbers charges, I would have to agree as the Town did cause the damage. Also the MacEachern's are now well aware of its present location and have been advised to relocate the service line out to Victoria Avenue. Next time there may be nothing the Town can do for them.

Respectfully Submitted,



Douglas Herr, Environmental & Facilities Supt.

Enclosed: Letter - Heather & Geoff MacEachern
GIS Map - Historic/actual service record locations
Roto-Rooter Television Inspection Report 2013
Sketch - Historic location

To Whom it May Concern

Oct/2016

On Monday September 26/16 our sewer at 509 Victoria Ave Ft. Frances Ontario was plugged and not flowing.

We called Prydes Plumbing and Heating and they pulled a few roots, but hit a dead head. They were here for 2 days which will be an expensive bill.

(Which we are asking council to compensate us for) We would have paid for a "maintenance" clean out but the problem was out on Town's property. When I receive the bill I will hope by then, council would agree that the Town should pay Prydes.

I will bring the bill to Mr. Brown's attention.

1. There was an old leaking water pipe on First Street & Victoria which burst on Labour Day weekend.

2. It finally collapsed the sewer main on Sept 25th - 26th

3. Our Sewer main.

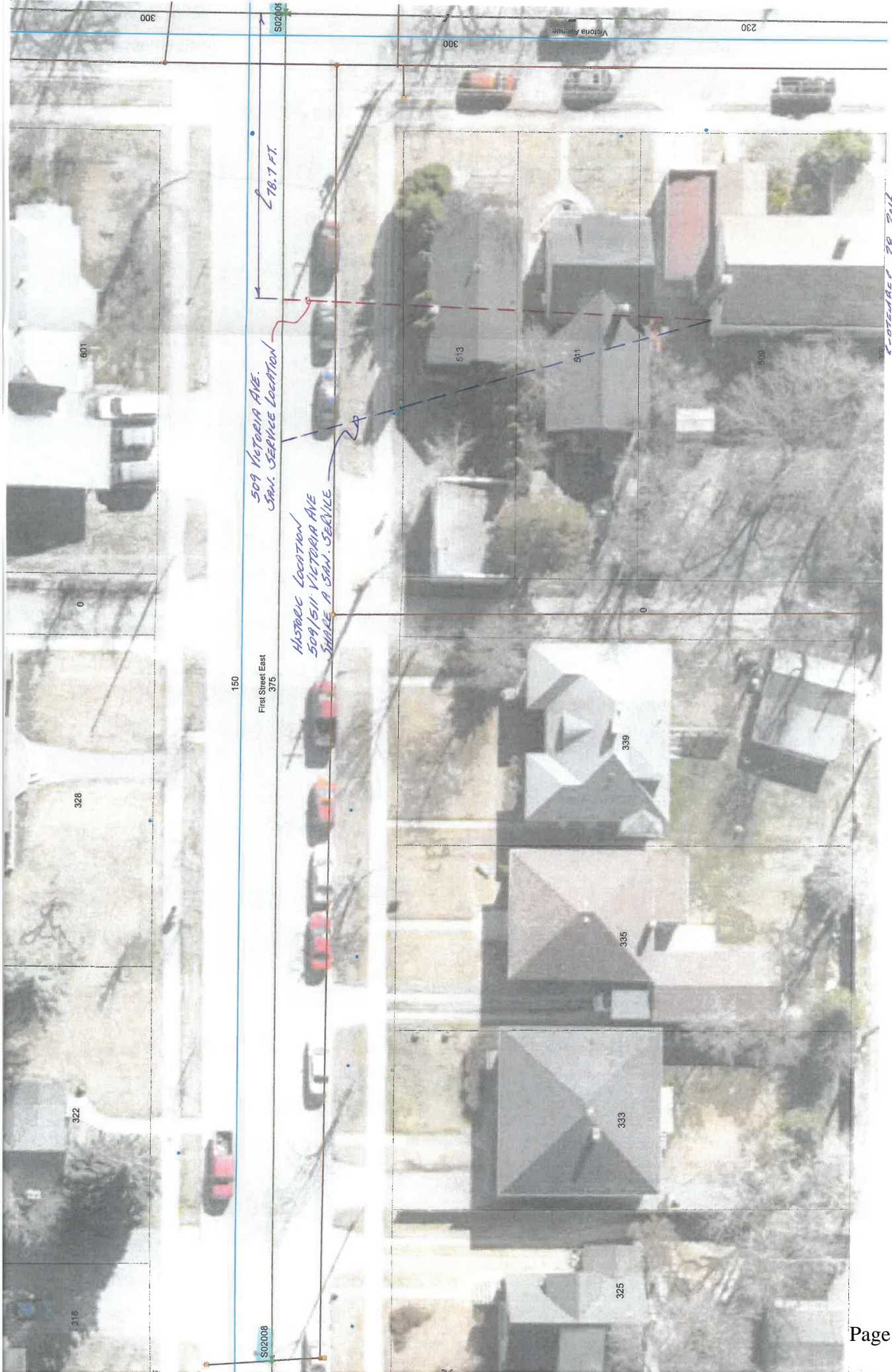
I saw the dirt & water from the burst water main shortly after, in our basement where it is attached. (Sept 5th - 7th)

Thankfully the "Wonderful Crew" that finally resolved the problem by re-digging up the street to repair the breakage.

We can't say enough about "Greg" Wiedentkett, Trapper George & Jay Bruyere. They made us feel like this wasn't just our problem and stayed into the night to resolve it. Kudos & Much Appreciation to this crew. Greg actually told me that he couldn't sleep trying to figure it out. Great & dedicated workers, whom all deserve acknowledgement for their work.

When we get our bill from Prydes we are willing to pay for 1 clean out and would hope that council agrees to pay the rest.

Thankyou Sincerely Heather & Geoff MacEachern
807-276-5023



Observation & Defect Listing

City Fort Frances **Surveyors Name** lucien **Certificate #** 1234 **Date** 2013/09/08 **Sht. No.** 2
Location Code **Location (Street and Number)** 1st ST **Further Location Details**
Upstream Manhole # S02009 **Downstream Manhole #** S02008
Pipe Seg. Ref. SL02009 **Material** Clay Tile **Shape** Circular **Height** 14 **Width** 14 **Jt. Lgth.** **Total Lgth.** 357 **Lgth. Surv.** 357

Distance	Condition	Cont. Dfct.	Values			Joint	Clock Position		Grade
			1st	2nd	%		At/From	To	
0.0 ft.	MGO - General Observation					<input type="checkbox"/>			
Remarks: Starting line SL02009									
78.4 ft.	CM - Crack Multiple					<input type="checkbox"/>	11	2	3
Remarks: infiltration from cracks									
78.7 ft.	LU - Alignment Up					<input type="checkbox"/>			1
Remarks: Line connection on top of pipe small flow from line									
116.8 ft.	LU - Alignment Up					<input type="checkbox"/>			1
Remarks: Line connection on top unable to get closer picture due to water									
143.5 ft.	LU - Alignment Up					<input type="checkbox"/>			1
Remarks: Line connection on top of pipe is capped									
169.6 ft.	LU - Alignment Up					<input type="checkbox"/>			1
Remarks: Line connection on top is capped									
203.8 ft.	CL - Crack Longitudinal					<input type="checkbox"/>	12		2
207.1 ft.	CL - Crack Longitudinal					<input type="checkbox"/>	12		2
210.8 ft.	CL - Crack Longitudinal					<input type="checkbox"/>	12		2
213.0 ft.	CL - Crack Longitudinal					<input type="checkbox"/>	12		2
213.0 ft.	RFC - Roots Fine Connection					<input type="checkbox"/>	3	9	1
214.2 ft.	LU - Alignment Up					<input type="checkbox"/>			1
Remarks: Line connection on top of pipe is capped									
215.1 ft.	LU - Alignment Up					<input type="checkbox"/>			1
Remarks: Line connection on top of pipe slight water flow in line									
215.1 ft.	RBC - Roots Ball Connection				5	<input type="checkbox"/>	11	1	4
216.2 ft.	B - Broken					<input checked="" type="checkbox"/>	11	1	4
Remarks: Piece of pipe is missing possible mud visible									
216.2 ft.	CL - Crack Longitudinal					<input type="checkbox"/>	12		2
219.4 ft.	CL - Crack Longitudinal					<input type="checkbox"/>	12		2

The Corporation of the Town of Fort Frances Operations & Facilities Division

APPENDIX

Sewer Service Maintenance Report

Location: Civic Address: 509 & 511 Victoria Ave
Frontage/Flankage Street: Service goes out back to 1st St. E.

Sewer Service: ☒ Sanitary ☐ Storm ☐ Other

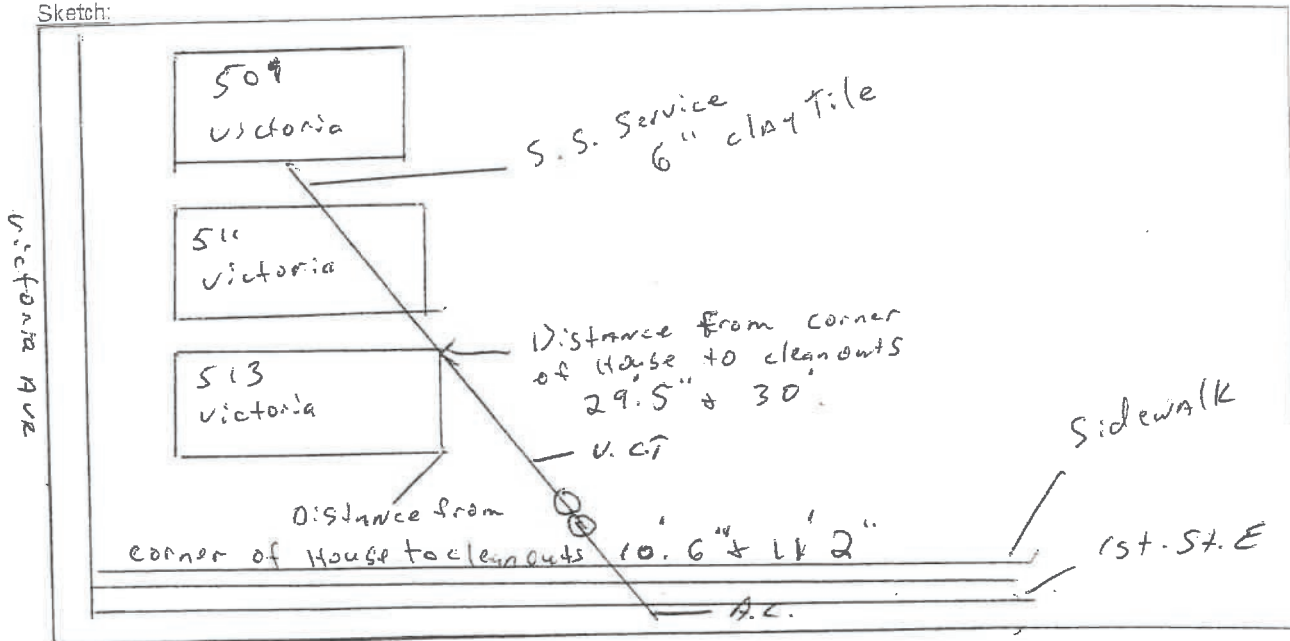
Item Service Related to:

At Cleanout: (House Corners Preferred, Property Bar or Ref. #) _____

At Main Tie-in: (Manhole Preferred, Property Bar or Ref. #) _____

Tie-In #1: _____ Tie-In #2: _____
(North/South Corners) (East/West Corners)

Sketch:



Type: ☒ Residential/Domestic ☐ Residential/Fire and Domestic
☐ Residential/Fire ☐ Commercial ☐ Industrial

Service Size: 150 (mm)

Branch Service: ☒ Yes ☐ No

House address that service is branched off of: 509, 511 are all serviced off of one

Installation Type: ☒ Repair ☐ New Installation
☐ Replacement ☐ Termination

Date of Repair/New Installation/Replacement/Termination: _____

Service Pipe Information:

Pipe Material Type: ☒ A.C. ☐ PVC (SDR-35) ☒ V.C.T. ☐ Other

Other (Specify): A.C. from property to main, V.C.T. from property to houses.

The Corporation of the Town of Fort Frances Operations & Facilities Division

Cleanout Information:

Cleanout Riser Size: ☒ 100 mm ☐ 150 mm ☐ Other
 Cleanout Riser Assembly: ☒ Wye/45 Sweep ☐ Wye/45 Bend ☐ Other
 Cleanout Cap Type: ☒ Cast Iron ☐ PVC ☐ Other
 Cap Manufacturer: ☒ Mueller ☐ Emco ☐ Other
 Depth at Cleanout (Property Line): 91" metres

Main Tie-in Information:

Connection Type: ☐ 45 Wye Branch ☐ Service Saddle ☐ Other
 Rise Installed: ☐ No ☐ Yes
 If Yes, Specify Vertical Height (Top of main to top of riser): _____ metres
 Depth at main: _____ metres

General Information:

Length of Service (Main to Cleanout): _____ metres
 Length of Repair Section: 121" metres Location of Repair: _____
 Repair Information: From property out towards main
installed clean out towards main & towards
Houses, P.U.C. & 2 Fernco's.

Bedding Class: ☐ Granular "A" ☒ Granular "B" ☐ Sand
☒ Native Soil ☐ Crushed Rock

Insulation: ☐ Yes ☒ No Thickness: _____ mm

Thaw/Trace Wire: ☐ Yes ☒ No

CCTV Inspection: Done by: _____ Date: _____

Property Side Information:

Nominal Size on Private Property: 6" metres/inches

Material Type on Private Property: native soil

Other Information:

Status of Service: ☒ In Service ☐ Temporarily Out of Service ☐ Terminated

Comments: _____

Crew: W.F. Skilton L.H. Gayrol

Date: July-25/07

Entered in GIS by: shaw

Date Recorded: 6/Nov/07

October 12, 2016

Report To; Mayor and Council

From: Travis Rob, Manager of Operations & Facilities

RE: 2017 Parks and Cemeteries Flowers Quotes

Every fall after the growing season the staff from Parks and Cemeteries review the flowers purchased that spring and work with the greenhouse to make a recommendation on the flowers to purchase for the next year. Once the selection is finalized quotes are solicited from the local greenhouse operators for the supply of flowers for the 2017 year for all municipal planters and beds including the Fort Frances and Riverview Cemeteries. Packages were sent out on September 16, 2016 to Lowey's Greenhouse of Alberton, Hammond Landscaping of Fort Frances, and Lowen Greenhouse of Stratton. The quotes were opened on October 11, 2016 at the Town of Fort Frances Civic Centre. Town quotes were received, one from Lowey's and one from Hammond's. A detailed breakdown of the quotes are attached to this report.

Lowey's Greenhouse has provided the overall cost to supply all flowers to the Town for the 2017 year at a net cost of \$2.27 per dozen including the Town's portion of HST for a total cost of \$11,645.41. This represents a cost reduction of \$8326.46 over the 2016 year's supply.

It is the recommendation of the Operations and Facilities Executive Committee to award the supply of the 2017 flowers to Lowey's Green house for a total cost of \$11,645.41 including the Town's portion of HST.

Respectfully Submitted

Travis Rob, EIT
Manager of Operations & Facilities.

Council Approval of this report will agree with the recommendation of the Operations and Facilities Executive Committee to award the supply of the 2017 flowers to Lowey's Green house for a total cost of \$11,645.41 including the Town's portion of HST.

2017OctoberFlowerAward

Flower Listing for 2017

Location	Series	Colour	No of Dozens	Hammonds Landscaping		Lowey's Greenhouse	
				Unit Price per Dozen	Total	Unit Price per Dozen	Total
Lions Park	Fibrous Preluda	Mix	6	\$ 3.62	\$ 21.72	\$ 4.00	\$ 24.00
	Series Begonia						
Welcome To Fort Frances Signs	Regular Wave Petunia	Red & White	6	\$ 3.62	\$ 21.72	\$ 12.00	\$ 72.00
Point Park	Tidal Wave for Centre	Silver	12	\$ 3.62	\$ 43.44	\$ 12.00	\$ 144.00
	Easy Wave for Border	Blue	12	\$ 3.62	\$ 43.44	\$ 12.00	\$ 144.00
Civic Centre	New Guinea Inpatients	Red or Fuchsia	24	\$ 3.62	\$ 86.88	\$ 24.00	\$ 576.00
Central Pots	Tidal Wave Petunias	Neon Pink with	9	\$ 3.62	\$ 32.58	\$ 12.00	\$ 108.00
		Pink Passion	9	\$ 3.62	\$ 32.58	\$ 12.00	\$ 108.00
Sorting Gap Beds	Tidal Wave Petunias	Hot Pink with	9	\$ 3.62	\$ 32.58	\$ 12.00	\$ 108.00
		Silver	9	\$ 3.62	\$ 32.58	\$ 12.00	\$ 108.00
Cemeteries (including the 20 outer beds in Fort Frances Cemetery)	Marigolds Durango Series	Mix	1440	\$ 3.62	\$ 5,212.80	\$ 2.00	\$ 2,880.00
	Red Yellow Orange						
	Snapdragons - snapshots	Mix	3586	\$ 3.62	\$ 12,981.32	\$ 2.00	\$ 7,172.00
	Montego Series						
Total Flowers					\$ 18,541.64		\$ 11,444.00
Town's Portion HST					\$ 326.33		\$ 201.41
TOTAL COST TO TOWN					\$ 18,867.97		\$ 11,645.41
Net Cost per Dozen					\$ 3.68		\$ 2.27

October 6, 2016

Report To: Mayor & Council

From: Doug Brown, CAO

SUBJECT: Submission of Funding Application under the New Clean Water & Wastewater Fund (CWWF) Program

On September 14, 2016, the Town was notified that it is eligible to receive funding under the new CWWF program. See attached letter dated September 14, 2016 from Elizabeth Doherty of the Ministry of Infrastructure. The program is based on 50% Federal government funding, 25% Provincial government funding and 25% municipal government funding where the respective eligible funding has been set at \$638,506 from the Federal government, \$319,253 from the Provincial government and the Town portion set at \$319,253. A project cost of \$1,277,012 or more should be considered to be submitted under the CWWF program.

As a result of reviewing the program guidelines for making a submission, the Town must attest that the project incrementality has been met when one of the following conditions has been met;

1. The project would not otherwise have taken place in 2016-17 or 2017-18; and/or
2. The project would not have been undertaken without Federal funding

At this time the project to be considered is the reconstruction of 2nd Street East between Mowat Avenue & Portage Avenue. The length of the project is approximately 203 meters. The reason why this project has been suggested is for these reasons;

- The sanitary sewer main along this section of roadway has a poor condition rating as outlined in the Town Asset Management Plan.
- The watermain is quite old installed in 1913 (104 years old in 2017).
- The asphalt driving surface has deteriorated to a point that replacement is necessary in the next 2 to 5 years.

Council should approve this project to be submitted under the CWWF program where it will **only** be completed during the 2017 construction season if funding is obtained under this program. The deadline for the

application submission is October 31, 2016 where the Town will be notified in early January if the project funding has been approved.

The O & F Executive committee recommends the following;

- 1) That the Reconstruction of 2nd Street East between Mowat Avenue & Portage Avenue be selected as the project to be submitted under the CWWF program.
- 2) That the project will not proceed in 2017 unless the funding from the CWWF program is obtained.
- 3) That if funding is obtained under the CWWF program, that the Mayor and Clerk be authorized to execute the funding agreements with the Provincial government.

Respectfully submitted,



Doug Brown, CAO

Council approval of this report will ensure the following:

- 1) That the Reconstruction of 2nd Street East between Mowat Avenue & Portage Avenue be selected as the project to be submitted under the CWWF program.
- 2) That the project will not precede in 2017 unless the funding from the CWWF program is obtained.
- 3) That if funding is obtained under the CWWF program, that the Mayor and Clerk be authorized to execute the funding agreements with the Provincial government.

2016OctoberCWWFFundingprogram

8th Floor, Hearst Block
900 Bay Street
Toronto, Ontario M7A 2E1
Tel: 1-800-268-7095

8^e étage, édifice Hearst
900 rue Bay
Toronto (Ontario) M7A 2E1
Tél.: 1-800-268-7095



September 14, 2016

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



Dear CAO:

The 2016 Federal Budget announced the establishment of a Clean Water and Wastewater Fund (CWWF) that proposes to invest up to \$569.6 million in the province of Ontario for immediate improvements to water distribution and treatment infrastructure, starting in 2016-17.

CWWF will provide municipalities with vital infrastructure funding to help accelerate short term investments to support the rehabilitation and modernization of drinking water, wastewater and stormwater infrastructure, and the planning and design of future facilities and upgrades to existing systems.

The provision of CWWF funding is governed by a bilateral agreement between Canada and Ontario, with the Ontario Ministry of Infrastructure being responsible for the administration of CWWF. The federal government will contribute 50% of the eligible project costs, up to the maximum federal allocation noted below. In addition, the Province will contribute 25% of eligible project costs, up to the maximum provincial allocation noted below.

Municipality allocations under the CWWF are based on the amount of water, wastewater and stormwater assets owned by municipalities and their economic conditions. Grants for First Nations are based on each community's population on reserve. All recipients receive a minimum of \$75,000.

Projects must be complete with all costs incurred prior to March 31, 2018. Where need is demonstrated, up to 25% of costs can extend beyond March 31, 2018. Extensions beyond March 31, 2018 require pre-approval by the Province and the Federal Government.

I am pleased to note that, Town of Fort Frances will be eligible to receive a maximum federal allocation of \$638,506 and a maximum provincial allocation of \$319,253.

In order to submit an application to receive CWWF funding and access the CWWF Program Guide, please visit:

<http://www.grants.gov.on.ca/GrantsPortal/en/OntarioGrants/GrantOpportunities/PRDR015994.html>.

Please note that eligible recipients must complete in full and submit electronically a CWWF Project List Template to the email identified on the Grants Ontario web portal by October 31, 2016.

For more information on how to complete each component, in addition to information regarding general program requirements and eligibility criteria please refer to the CWWF Program Guide.

If you have any questions regarding the Clean Water and Wastewater Fund (CWWF), please contact Infrastructure Ontario, at 1-844-803-8856.

Sincerely,



Elizabeth Doherty
Director, Intergovernmental Policy Branch
Infrastructure Policy Division

Disponible en français

October 17, 2016

Report To: Mayor & Council

From: Travis Rob, Manager of Operations & Facilities

SUBJECT: August 2016 Drinking Water Systems Monthly Summary Report

Please find attached the August 2016 Summary Report on the drinking water systems, prepared by Randy White, Senior WTP Operator.

Your Administration recommends that Operations & Facilities Executive Committee accept the August 2016 report as presented.

Respectfully submitted,
Operations & Facilities Division

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

Council approval of this report will accept the August 2016 Drinking Water Systems Monthly Summary Report and approve the report prior to it being made available to the general public.

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

03CouncilwaterreportMarch 2015

August, 2016

**Monthly Summary Report
Water Systems**

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

Dated: September 26, 2016

1) **Introduction:**

This report contains the major maintenance activities and operational events that occurred during the month of August 2016 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. 720 Scott St.	2. 901 Wright Ave.	3. 810 King's Hwy.	4. W. Tower
5. 720 Scott St.	6. 104 Scott St.	7. 1050 Portage Ave.	8. W. Tower
9. 1111 First St.	10. 1104 Church St.	11. 1324 King's Hwy.	12. W. Tower
13. 1036 Victoria Ave.	14. 740 Sixth St. W.	15. 901 Wright Ave.	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:

August 02nd - calibrated distribution chlorine analyzer.

August 04th - cleaned top and bottom tanks on the poly unit.

August 08th - calibrated distribution chlorine analyzer.

August 12th - changed the filters on the Dust Collector.

August 13th - calibrated distribution chlorine analyzer.

August 15th - ran generator for one hour.

August 17th - annual calibration of plant equipment by Lakeside Process Controls.

August 18th - annual calibration of plant equipment by Lakeside Process Controls.

August 23rd - shut down plant and changed the batteries on all UPS Units.

August 26th - cleaned top and bottom tanks on the poly unit.
- cleaned all four (4) check valves on poly unit.

August 30th - took grab samples off the filters.

8) **Water Complaints –**

- Poor Pressure – 0 complaints
- Water Quality – 0 complaints

9) **Other Miscellaneous Information:**

- August 02nd - took weekly routine micro samples.
- tie-in of existing water mains to new mains - bacti samples - Phair Avenue at 5th St. E. - 2nd set.
- August 08th - took weekly routine micro samples.
- water main break repairs - bacti samples - 338 Scott Street - 1st set.
- August 09th - water main break repairs - bacti samples - 338 Scott Street - 2nd set.
- water service repair - bacti samples – 515 First Street East.
- tie-in of existing water mains to new mains - bacti samples - Phair Avenue at 6th St. E. – 1st set.
- August 10th - tie-in of existing water mains to new mains - bacti samples - Phair Avenue at 6th St. E. – 2nd set.
- took bacti samples at the Lion's head.
- August 11th - installation of new valves and capped - Second St. E. at lane and just west of lane on Second St. E. - bacti samples - 1st set.
- took raw water samples at Airport new well.
- August 15th - took weekly routine micro samples.
- took micro samples at Sunny Cove water system.
- took quarterly samples at Sunny Cove water system.
- August 17th - installation of new valves and capped - Second St. E. at lane and just west of lane on Second St. E. - bacti samples - 2nd set.
- August 22nd - took weekly routine micro samples.
- August 25th - tie-in of existing water mains to new mains - bacti samples - Second St. E. at Colonization Rd. E. - 1st set.

August 26th - tie-in of existing water mains to new mains - bacti samples -
Second St. E. at Colonization Rd. E. - 2nd set.

August 29th - received a load of liquid Alum.
- 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 August 2016

Operating Data	Units	*MAC	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total	Average	
		or Range																																		
Flow rates																																				
Raw Water	10^3 M^3	17	5.74	5.92	5.83	6.00	5.96	5.53	5.84	5.96	5.83	5.60	6.01	5.86	5.64	5.91	5.99	5.90	5.84	5.75	5.70	5.84	5.68	5.50	5.71	5.17	5.71	5.69	5.59	5.57	5.82	5.67	5.65	178.41	5.76	
Peak Instantaneous - Raw Water	L/s	n/a	68.07	68.23	68.34	68.41	68.02	68.05	68.25	68.20	68.12	68.09	68.23	63.31	68.45	68.46	68.58	69.28	68.24	68.17	66.68	66.43	66.40	66.34	66.47		66.69	66.45	66.43	66.37	66.21	66.19	66.10	2021.26	67.38	
Treated Water	10^3 M^3	17	4.61	3.57	5.50	4.65	4.21	4.20	3.37	3.85	4.80	3.88	5.09	4.73	3.91	3.69	4.13	4.38	4.41	5.43	4.74	5.36	5.30	4.21	5.31	4.83	5.05	4.93	4.35	3.46	3.84	4.12	3.59	137.50	4.44	
Peak Instantaneous - Treated Water	L/s	n/a	86.36	86.11	113.96	84.17	87.93	82.52	87.28	63.72	77.29	91.82	84.64	72.53	85.81	71.17	72.39	84.69	84.42	105.76	85.60	98.82	80.58	84.95	83.42		82.75	84.00	83.82	93.60	83.66	80.96	82.64	2547.37	84.91	
BackWash Water	10^3 M^3	n/a	0.169	0.238	0.254		0.189	0.226	0.259	0.237	0.167	0.263			0.379	0.315	0.264	0.171	0.244	0.268	0.173	0.163	0.377	0.270	0.211	0.242	0.268	0.896	0.238	0.267	0.136	0.170	0.265	7.319	0.261	
Fluoride Information																																				
Fluoride Residual - Treated Water	mg/l	0.5 to 0.8	0.72	0.58	0.53	0.63	0.58	0.52	0.63	0.69	0.67	0.79	0.68	0.58	0.69	0.70	0.72	0.74	0.62	0.66	0.74	0.71	0.76	0.53	0.53	0.61	0.58	0.54	0.51	0.61	0.54	0.57	0.63	19.59	0.63	
Turbidity Information																																				
Raw Water	NTU	n/a	1.52	1.63	1.57	1.60	1.42	1.33	1.37	1.51	1.52	1.31	1.09	1.21	1.49	1.49	1.56	1.45	1.36	1.47	1.31	1.39	1.44	1.28	1.33	1.27	1.41	1.37	1.27	1.30	1.12	1.21	1.17	42.77	1.38	
Settled Water	NTU	n/a	0.12	0.13	0.11	0.11	0.14	0.16	0.11	0.14	0.17	0.16	0.18	0.14	0.12	0.10	0.09	0.14	0.11	0.13	0.14	0.13	0.12	0.14	0.17	0.21	0.15	0.19	0.13	0.11	0.14	0.16	0.12	4.27	0.14	
Treated Water	NTU	1	0.07	0.09	0.07	0.08	0.07	0.09	0.07	0.10	0.08	0.08	0.09	0.08	0.07	0.06	0.06	0.09	0.08	0.08	0.11	0.11	0.09	0.09	0.11	0.08	0.09	0.08	0.11	0.09	0.09	0.09	0.08	0.08	2.63	0.08
Other Operating Parameters																																				
pH - Treated Water	no units	6.5 to 8.5	7.24	7.14	7.21	7.18	7.15	7.13	7.16	7.19	7.21	7.20	7.20	7.24	7.27	7.24	7.27	7.21	7.15	7.18	7.19	7.21	7.17	7.22	7.21	7.15	7.19	7.16	7.14	7.16	7.16	7.18	7.17	222.88	7.19	
pH - Settled water	no units	n/a	6.11	6.12	6.07	5.95	5.94	6.05	6.16	6.14	6.07	6.12	6.18	6.24	6.24	6.22	6.26	6.27	6.18	6.21	6.09	6.12	6.15	6.17	6.26	6.23	6.16	6.76	6.74	6.31	6.78	6.31	6.77	193.38	6.24	
pH - Raw Water	no units	n/a	7.19	7.09	7.15	7.21	7.22	7.26	7.31	7.32	7.25	7.29	7.33	7.08	7.19	7.16	7.20	7.11	7.19	7.19	7.10	7.09	7.16	7.20	6.99	7.07	7.09	7.01	7.17	7.05	7.10	7.09	6.94	221.80	7.15	
FAC - Treated Water	mg/l	0.2 to 4	2.00	2.11	2.28	2.12	2.09	2.40	2.52	2.43	2.10	2.22	2.19	1.89	1.90	2.04	2.16	2.21	2.28	2.30	2.31	2.41	2.31	2.17	2.30	2.44	2.34	2.30	2.40	2.20	2.28	2.30	2.32	69.32	2.24	
Total Chlorine Residual Treated	mg/l	0.3 to 7	2.27	2.34	2.52	2.32	2.28	2.66	2.72	2.68	2.44	2.54	2.46	2.16	2.14	2.37	2.41	2.43	2.58	2.58	2.51	2.57	2.55	2.44	2.60	2.64	2.56	2.62	2.66	2.50	2.56	2.80	2.70	77.61	2.50	
Temperature	C	15	23.0	23.0	23.0	23.0	22.0	22.0	23.0	23.0	23.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	23.0	22.0	22.0	22.0	22.0	22.0	22.0	23.0	22.0	22.0	22.0	21.0	21.0	689.0	22.2		
Fluoride used (Total Daily Consumption)	kg	n/a	17.0	18.0	17.0	17.0	17.0	16.0	17.0	17.0	17.0	16.0	17.0	18.0	18.0	19.0	20.0	18.0	19.0	18.0	18.0	19.0	18.0	17.0	17.0	19.0	17.0	17.0	16.0	17.0	18.0	16.0	17.0	542.0	17.5	
Chlorine used (Total Daily Consumption)	kg	n/a	29.0	29.0	30.0	30.0	30.0	27.0	29.0	31.0	30.0	28.0	31.0	28.0	28.0	28.0	30.0	30.0	27.0	31.0	28.0	30.0	28.0	28.0	28.0	26.0	29.0	29.0	28.0	28.0	29.0	28.0	29.0	894.0	28.8	
Soda ash (Total Daily Consumption)	kg	n/a	200.9	207.2	204.1	210.0	208.6	193.6	204.4	208.6	204.1	196.0	210.4	205.1	197.4	206.9	209.7	206.5	204.4	201.3	199.5	204.4	198.8	192.5	199.9	181.0	199.9	199.2	195.7	195.0	203.7	198.5	197.8	6244.4	201.4	
Soda Ash - Dosage	mg/l	n/a	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	1085.0	35.0	
Alum residual - (Total Daily Consumption)	kg	n/a	200.9	207.2	204.1	210.0	208.6	193.6	204.4	208.6	204.1	196.0	210.4	205.1	197.4	206.9	209.7	206.5	204.4	201.3	199.5	204.4	198.8	192.5	199.9	181.0	199.9	199.2	195.7	195.0	203.7	198.5	197.8	6244.4	201.4	
Alum residual - Dosage	mg/l	n/a	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	1085.0	35.0	
Alum residual - Treated Water	mg/l	0.1	0.01	0.02	0.01	0.01	0.02	0.02	0.02	0.01	0.02	0.01	0.04	0.02	0.01	0.03	0.04	0.07	0.01	0.01	0.06	0.06	0.05	0.03	0.01	0.04	0.03	0.02	0.02	0.02	0.01	0.01	0.02	0.76	0.02	
Poly bags added (25 kg bags)	kg				0.5						0.5								0.5					0.5				0.5				0.5		75.0		

Town of Fort Frances - WTP - 220000978
August 2014/2015 vs. August 2016
Flow and Operating Data

Flow Data August	Units	2014		2015		2016	
		Day of the Month		Day of the Month		Day of the Month	
Total Raw Water	m ³		184830		195880		178410
Raw Maximum Day	m ³	Friday 22nd	6860	Tuesday 4th & Sunday 23rd	6620	Thursday 11th	6010
Raw Minimum Day	m ³	Wednesday 27th	4960	Monday 31st	5370	Wednesday 24th	5170
Raw Average Daily Consumption	m ³		5960		6320		5760
Total Treated Water	m ³		129750		130290		137500
Treated Water Maximim Day Consumption	m ³	Thursday 28th	5080	Sunday 16th	5030	Wednesday 03rd	5500
Treated Water Minimim Day Consumption	m ³	Monday 25th	3480	Sunday 23rd	3510	Sunday 07th	3370
Treated Water Average Day Consumption	m ³		4190		4200		4440
Daily Average Per Household Consumption Rate	m ³		1.11		1.11		1.17
* Daily Average Per Person Consumption Rate	m ³		0.52		0.53		0.56
Monthly Averages - Operating Parameters WTP:							
FAC Residual - Treated Water	mg/L		1.78		2.10		2.24
Total Chlorine Residual - Treated Water	mg/L		2.09		2.38		2.50
Aluminum Sulphate - Raw Water	mg/L		36.0		35.0		35.0
Aluminum Sulphate - Treated Water Residual	mg/L		0.06		0.03		0.02
Fluoride - Treated Water	mg/L		0.57		0.56		0.63
Soda Ash - Raw Water	mg/L		36.0		35.0		35.0
PH - Adjusted	mg/L		7.29		7.20		7.19
Temperature	C		22.3		20.1		22.2
Quantity of Chemical Used:	kg						
Aluminum Sulphate	kg		6653.9		6855.8		6244.4
Polyelectrolyte	kg		75.0		62.5		75.0
Chlorine Gas	kg		933		947		894
Soda Ash - Used for PH Adjustment	kg		6653.9		6855.8		6244.4
Fluoride	kg		441		600		542

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

* Population is 7986

* Number of Households is 3783



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

September 30, 2016

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
August 2016 Monthly Report**

As per the operating agreement, the attached document is the August 2016 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,

A handwritten signature in black ink, appearing to read "Kelly C." followed by a stylized flourish.

Kelly Cunningham
Senior Operator

For Larry Wachter
Operations Manager

**The Corporation of the Town of Fort Frances
Wastewater Treatment Plant
(Sewage Plant)
August 2016 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 August 2016; the facility performance report summarizes important information regarding the quality of the effluent, wastewater, analytical test results, maintenance operations, and relevant activities of the WWTP.

DESCRIPTION OF WORKS

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

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

LABORATORY

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

AUGUST 2016 EFFLUENT QUALITY

<i>Parameters</i>	<i>Monthly Actual Concentration mg/L</i>	<i>Compliance Criteria Concentration mg/L</i>	<i>Performance Objective Concentration mg/L</i>	<i>Monthly Actual Loading, kg/d</i>	<i>Compliance Criteria Loading kg/d</i>	<i>Performance Objective Loading kg/d</i>
CBOD ₅	2.0 mg/L	25 mg/L	15 mg/L	12.2 kg/d	225 kg/d	135 kg/d
Total Suspended Solids	2.3 mg/L	25 mg/L	15 mg/L	14.3 kg/d	225 kg/d	135 kg/d
Total Phosphorus	0.23 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	10.18 mg/L 7.81 mg/L					
Total Cl ₂ Residual		<0.01 mg/L (when in use)				
E-Coli		5.8 count/100 ml (geometric mean)		200 count/100ml (geometric mean)		E-coli not to exceed 150 organisms/100ml (monthly geometric mean density)
pH				pH range 7.5 to 8.0; average pH was 7.8		
Temperature degrees C				Temperatures ranged from 16.0 to 18.0 C; average temperature of effluent was 17.1 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 August was 6150.3 m³/day. This represents 68% of the design average flow. Total treated flow for the month was 190658 m³.

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

INVENTORY

Chemical	End of Month Status	Units
Hypochlorite	800 +/- @ 7.0% + 410 @ 12%	Litres
Alum	8.0 +/- @ 60 %	Cubic meters
Polymer		

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 grit snail and lubricated drive chain on grit snail
- Regular cleaning of head works EW basket strainer
- Regular cleaning of seal water strainer TFP 9-5
- Pumped out sump in digester valve chamber
- Replaced tubing on effluent sampler and calibrated
- Changed air filters on blowers 1,2 and 3
- Painted stub walls beside main entry steps
- Cleaned DO probes
- Changed oil blowers 2 and 3
- Cleaned both grit pumps

Pump Stations:

- Ran gensets
- Changed seal water strainers
- Cleaned bar screens

OPERATIONAL ISSUES

There were no operational issues in the report period.

SLUDGE SUMMARY

Asselin Transportation and Storage Limited hauled a total of 72.1 m³ of thickened digested sludge averaging 10.1% TS to the Town of Fort Frances landfill site. Terratec Environmental processed an additional 1256 m³ of digested sludge at 1.38% through their portable centrifuge while the installation of the Fournier press was underway. This cake, averaging 23.4% TS, was also hauled to the Fort Frances landfill site by Asselin Transportation and Storage Limited.

COMPLAINTS

There were no complaints during the report period.

BYPASS REPORT(S)

There were no bypass events in the report period.

COMMENTS

Plant power consumption for the month was 693 (x 180 multiplier) kWh.

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

Raw influent samples continue to be grabbed on the hour.

The Terratec Environmental portable centrifuge began producing cake on August 11, 2016.

The removal of the gravity belt thickener and associated equipment began on August 15, 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	Avg. Day Flow m3	Sewage Flows Year 2016					Usage	Sludge Volume Hauled M3	Removal Efficiency		
		Max Day Flow m3	Total Treated Volume ML	Total ByPass Volume ML	Total Volume ML	% Plant Capacity			CBOD5	Suspended Solids	Total Phosphorus
January	5668.1	5900	175712		175712	63%	249.9				
February	5417.8	5665	157117		157117	60%	251.7				
March	7463.4	12988	231365		231365	83%	212.7				
April	8462.4	10027	253871		253871	94%	228.3				
May	6785.5	8276	210352		210352	75%	241.2				
June	9140.5	18874	274216	1306	275522	102%	217.4				
July	8142.5	11184	252416		252416	90%	227.5				
August	6150.3	7937	190658		190658	68%	72.1				
September						0%					
October						0%					
November						0%					
December						0%					
Sum				1306	1747013		1700.8				
Average	7154		218213		218377	79%	212.6				
Max		18874	274216		275522						
C of A	9000	18000									

	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.	Avg. Load	Avg. Raw	Avg. Eff.	Avg. Load	Geo Mean	Counts	
Month	BOD	CBOD	CBOD	S.S	S.S	S.S	T.P	T.P	T.P	TKN	Total N	(mg/L)	(mg/L)	(mg/L)	(mg/L)	/100ml		
	(mg/L)	(mg/L)	(kg/day)	(mg/L)	(mg/L)	(kg/day)	(mg/L)	(mg/L)	(kg/day)	(mg/L)	(mg/L)	(kg/day)	(mg/L)	(mg/L)	(mg/L)			
January	87.0	2.4	13.5	142.4	6.0	34.7	2.41	0.15	0.83							23.7		
February	74.3	3.5	18.5	132.5	4.3	23.2	2.12	0.11	0.57	17.3	8.9	19.3				19.3		
March	65.2	2.3	16.1	112.4	5.7	47.7	1.87	0.11	0.94	15.1	9.7	21.4				21.4		
April	57.5	2.4	20.2	110.8	5.6	47.1	1.54	0.13	1.11	12.0	9.7	9.3				9.3		
May	68.8	2.5	17.2	125.8	4.1	27.8	2.0	0.15	3.19	14.9	10.0	14.4				14.4		
June	50.5	2.0	18.5	148.1	3.9	40.0	1.4	0.19	1.81	11.8	8.6	19.3				19.3		
July	49.9	2.0	15.2	124.2	4.0	32.0	1.3	0.18	1.50	11.6	8.4	6.3				6.3		
August	83.4	2.0	12.2	190.1	2.3	14.3	2.4	0.23	1.40	19.8	10.2	5.8				5.8		
September																		
October																		
November																		
December																		
Average	67.1	2.4	16.4	135.8	4.5	33.4	1.9	0.16	1.42	14.6	9.4	14.9				14.9		
Max	87	3.5	20.2	190.1	6	47.7	2.4	0.23	3.19	19.8	10.2	23.7				23.7		
C of A		25	225		25	225		0.9	8.1	200	6.0	200				200		

Aircraft Landings 2016
As of October 14, 2016 Statistics - Page 1/2

Month	Bearskin Flights			Bearskin- Passengers			Government			Private			Med-I-vacs			International			Commercial			Totals			Variance
	2016	2015	2014	2016	2015	2014	2016	2015	2014	2016	2015	2014	2016	2015	2014	2016	2015	2014	2016	2015	2014	2016	2015	2014	2016-2015
January	70	76	79	261	256	311	1	6	0	3	6	5	30	43	41	3	4	2	36	42	67	143	177	194	-34
February	69	67	74	233	241	308	1	2	0	1	7	5	35	36	22	1	3	5	49	40	50	156	155	156	1
March	69	78	82	199	341	346		5	3	17	30	10	34	36	40	3	5	0	55	38	52	178	192	187	-14
1/4 Total	208	221	235	693	838	965	2	13	3	21	43	20	99	115	103	7	12	7	140	120	169	477	524	537	-47
April	81	81	74	288	330	276	7	1	2	8	23	18	47	41	22	3	2	1	40	53	47	186	201	164	-15
May	88	82	81	309	365	308	4	1	6	9	28	24	37	37	23	32	34	30	59	77	76	229	259	240	-30
June	76	80	77	273	322	292	0	11	7	30	36	37	38	31	35	77	74	89	52	96	69	273	328	314	-55
1/2 Total	453	464	467	1563	1855	1841	13	26	18	68	130	99	221	224	183	119	122	127	291	346	361	1165	1312	1255	-147
July	72	81	75	221	297	230	2	8	7	48	40	35	51	35	18	66	83	59	47	77	59	286	324	253	-38
August	84	79	71	256	297	241	6	4	3	42	39	37	66	31	26	71	73	65	53	87	57	322	313	259	9
September	78	76	73	277	328	254	1	0	1	15	17	22	40	36	37	45	44	32	51	76	65	230	249	230	-19
3/4 Total	687	700	686	2317	2777	2566	22	38	29	173	226	193	378	326	264	301	322	283	442	586	542	2003	2198	1997	-195
October		83	76		309	309		4	3		20	24		47	42		9	12		51	51	0	214	208	-214
November		68	80		260	286		0	3		9	8		30	28		1	3		38	39	0	146	161	-146
December		68	52		200	203		0	0		4	4		31	25		2	1		34	29	0	139	111	-139
Total	687	919	894	2317	3546	3364	22	42	35	173	259	229	378	434	359	301	334	299	442	709	661	2003	2697	2477	-694

Fort Frances Airport- Page 2/2 - Fuel Sales - As of October 14, 2016

Fuel Sales Recap - 2016									2015	2014	2013	2012	2011	2010	2009	2008	2007	9 year	Variance 2016-
Month	100LL		Jet Trk		Jet Cab		Month	Year	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	2015 to 2007	month
January	126	126	7,402	7,402	0	0	7,528	7,528	8,692	11,543	7,216	10,252	7,308	10,971	15,989	29,926	16,283	13,131	-1,164
February	509	635	11,395	18,797	0	0	11,904	19,432	11,231	12,304	6,197	6,918	3,687	5,782	13,135	21,134	11,782	10,241	673
March	342	977	12,913	31,710	0	0	13,255	32,687	17,795	10,508	12,077	9,329	10,390	15,539	9,612	27,435	19,969	14,739	-4,540
April	744	1,721	7,848	39,558	0	0	8,592	41,279	13,219	8,377	4,453	8,251	5,294	24,825	10,676	22,466	28,609	14,019	-4,627
May	1,905	3,626	22,776	62,334	0	0	24,681	65,960	16,161	29,753	18,350	21,891	19,790	25,375	24,033	30,287	47,258	25,878	8,520
June	4,068	7,694	21,947	84,281	0	0	26,015	91,975	45,698	30,789	22,786	23,537	25,723	27,768	22,395	35,995	40,736	30,603	-19,683
July	4,418	12,112	24,584	108,865	0	0	29,002	120,977	28,150	14,441	19,232	32,650	19,124	30,455	24,925	33,390	44,875	27,471	852
August	3,990	16,102	17,129	125,994	0	0	21,119	142,096	36,638	20,450	20,075	30,783	21,467	33,139	28,250	40,177	41,630	30,290	-15,519
September	4,636	20,738	16,689	142,683	0	0	21,325	163,421	24,238	21,837	18,005	19,431	22,511	23,363	18,937	28,822	30,341	23,054	-2,913
October		20,738		142,683		0	0	163,421	8,216	15,472	13,109	11,325	13,677	15,033	21,304	16,631	28,020	15,865	-8,216
November		20,738		142,683		0	0	163,421	11,616	7,238	6,398	8,170	6,785	17,747	10,754	16,951	16,842	11,389	-11,616
December		20,738		142,683		0	0	163,421	7,592	6,849	2,028	8,179	2,446	7,641	7,596	13,083	14,733	7,794	-7,592
Total	20,738		142,683		0		163,421		229,246	189,561	149,926	190,716	158,202	237,638	207,606	316,297	341,078	224,474	-65,825
							Jan to June		112,796	103,274	71,079	80,178	72,192	110,260	95,840	167,243	164,637	108,611	1,138

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

Sewer & Water Data for 2016
up-dated October 7, 2016

Month	Days per month	2016	2016	2016	2016	2016	2016	2016	2016	2016	2016	2015	2015	2016-2015	2016-2015	2016	2016
		Total	daily	Couch.	Couch.	Couch.	Total	daily	Couch.	Couch.	Couch.	Total	daily	Diff	Diff	Difference	Infiltration
		Sewage	Sewage	Sewage	Sewage	Sewage	Treated	Treated	2 Water	2 Water	Water	Treated	Treated	Treated	Wastewater	STP-WTP	daily average
		cu. meters monthly	cu. meters daily	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	176710	5700.32	7600	245.16	4.30%	118110.0	3810.0	16818.5	542.5	14.24%	121570	3922	-3460.0	15348.0	58600.0	1890.3
February	29	157117	5417.83	7638	263.38	4.86%	110250.0	3801.7	16818.5	579.9	15.25%	107690	3713	2560.0	16880.0	46867.0	1616.1
March	31	231365	7463.39	9648	311.23	4.17%	118060.0	3808.4	15056.0	485.7	12.75%	126450	4079	-8390.0	57500.0	113305.0	3655.0
April	30	253871	8462.37	10565	352.17	4.16%	106740.0	3558.0	15056.0	501.9	14.11%	112830	3761	-6090.0	85006.0	147131.0	4904.4
May	31	210253	6782.35	9803	316.23	4.66%	118580.0	3825.2	10579.5	341.3	8.92%	120100	3874	-1520.0	-32616.0	91673.0	2957.2
June	30	274216	9140.53	13144	438.13	4.79%	120190.0	4006.3	10579.5	352.7	8.80%	116430	3881	3760.0	55443.0	154026.0	5134.2
July	31	252416	8142.45	12761	411.65	5.06%	126030.0	4065.5	9565.0	308.5	7.59%	134840	4350	-8810.0	72447.0	126386.0	4077.0
August	31	190658	6150.26	11928	384.77	6.26%	137500.0	4435.5	9565.0	308.5	0.1	129900	4190	7600.0	7129.0	53158.0	1714.8
September	30		0.00	11908	396.93			0.0		0.0		121920	4064	-121920.0	-163113.0	0.0	0.0
October	31		0.00		0.00			0.0		0.0		123450	3982	-123450.0	-159808.0	0.0	0.0
November	30		0.00		0.00			0.0		0.0		102560	3419	-102560.0	-188990.0	0.0	0.0
December	31		0.00		0.00			0.0		0.0		107110	3455	-107110.0	-189403.0	0.0	0.0
Total	366	1746606		94995			955460		104038			1424850	46690	-469390.0	-424177.0	791146.0	2161.6
Monthly Average												118737.5	3890.9	-39115.8	-35348.1	65928.8	2162.4
daily Average												3868.77					

2016- tonnage at landfill site- up-dated October 14, 2016

MONTH	Residential Waste tonnes	Res %	ICI Waste tonnes	ICI %	Non Community Waste tonnes	Non Com %	Covering Material tonnes	2015	Average last 9 years	2016	2015	Average last 9 years	2016	2016	
								Total Tonne	Total Tonne	Total Tonne	Total Fees	Fees 2007 to 2015	Total Fees	2016-2015 Tonnes	2016-2015 Fees
JAN	127.94	34.66	232.74	63.04	8.50	2.30	0.00	372.45	359.81	369.18	\$22,076.55	\$17,555.67	\$20,490.00	-3.27	-\$1,586.55
FEB	117.31	37.25	189.93	60.31	7.68	2.44	0.00	323.82	305.82	314.92	\$17,311.55	\$15,120.16	\$17,474.70	-8.90	\$163.15
MAR	146.89	37.15	237.97	60.19	10.53	2.66	6.72	446.81	413.51	395.39	\$25,940.55	\$21,116.69	\$23,164.20	-51.42	-\$2,776.35
APRIL	182.95	31.92	381.96	66.65	8.18	1.43	0.00	609.02	574.14	573.09	\$36,933.10	\$30,100.39	\$34,152.50	-35.93	-\$2,780.60
MAY	200.30	31.21	434.52	67.72	6.87	1.07	1058.72	783.04	727.97	641.69	\$40,474.95	\$37,236.70	\$34,655.80	-141.35	-\$5,819.15
JUNE	814.37	65.31	421.01	33.76	11.52	0.92	3312.52	690.69	802.40	1,246.89	\$43,913.10	\$38,365.69	\$37,412.30	556.20	-\$6,500.80
JULY	208.56	33.74	400.73	64.82	8.94	1.45	2220.94	654.72	679.93	618.23	\$43,552.25	\$37,235.68	\$37,556.30	-36.49	-\$5,995.95
AUG	247.72	27.60	583.22	64.99	66.50	7.41	95.70	642.81	630.37	897.44	\$39,041.90	\$33,782.35	\$43,194.40	254.63	\$4,152.50
SEPT	218.57	31.44	465.19	66.92	11.34	1.63	164.00	719.08	646.67	695.10	\$43,223.58	\$34,032.13	\$42,510.30	-23.98	-\$713.28
OCT		#DIV/0!		#DIV/0!		#DIV/0!		2,214.61	815.99	0.00	\$95,565.65	\$40,618.32			
NOV		#DIV/0!		#DIV/0!		#DIV/0!		614.90	564.84	0.00	\$33,016.35	\$28,524.43			
DEC		#DIV/0!		#DIV/0!		#DIV/0!		487.78	397.37	0.00	\$27,125.80	\$21,749.94			

Average per monthly	251.62	36.35	371.92	61.18	15.56	#DIV/0!	762.07		576.57	479.33	\$39,014.61	\$29,619.85	\$32,290.06	-99.52	-19,300.30
Total	2264.60		3347.27		140.06		6858.60	8559.73	6918.81	5751.93	\$468,175.33	\$355,438.14	\$290,610.50	509.49	-\$21,857.03

Town of Fort Frances Tonnage	5611.87	<div></div> <div>increase amount of waste due to waste from Rainy Lake Hotel Demolition Includes 603.005t associated with the Fight the Blight Campaign</div>		Actual	\$290,610.50
				Budget	\$384,888.00
				Forecasted	\$387,480.67
Total Tonnage	5751.93				
Residential Tonnage	2264.60	39.37%			
ICI Tonnage	3347.27	58.19%			
Coverage material	6858.60				