

TOWN OF FORT FRANCES

Operations and Facilities Executive Committee

AGENDA - September 7, 2016, 8:30 AM

MEETING - Civic Centre - Committee Room

Session #015

	Page
1. <u>Call to Order</u>	
2. <u>Disclosure of pecuniary interest and the general nature thereof</u>	
3. <u>Approval of Previous Committee Minutes</u>	
3.1 Minutes from the meeting of this committee on August 3, 2016.	2 - 3
4. <u>Non-agenda Items</u>	
5. <u>Items Referred from Council</u>	
5.1 Letter from Mr. William Krag - owner of 800 Scott Street - re: Water Service Repair Invoice	4 - 22
6. <u>New Business</u>	
6.1 July 2016 Drinking Water Systems Monthly Summary Report	23 - 31
6.2 Selection of Capital Projects for Application to the Ontario Community Improvement Fund (OCIF) Top-Up Component	32 - 33
7. <u>Information</u>	
7.1 Operations and Facilities Division - Public Works Area - Operations Statistics - May 2016	34 - 37
7.2 Operations and Facilities Division - Environmental Area - Operations Statistics - July 2016	38 - 41
7.3 Aircraft Landings 2016 - as of September 1, 2016 Statistics (July and August)	42 - 43
8. <u>Adjourn / Next Meeting Date</u>	

TOWN OF FORT FRANCES

MINUTES

SESSION NO. #014

August 3, 2016

The meeting of Operations & Facilities Executive Committee of the Town of Fort Frances was held in the Civic Centre on August 3, 2016 from 8:28 a.m. to 9:27 a.m.

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

ALSO PRESENT: Mayor Roy Avis

1. Call to Order

The meeting was called to order at 8:28 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 July 6, 2016 - the minutes were approved as circulated.

4. Non-agenda Items

None

5. Items Referred from Council

- 5.1 Dragon Boat Festival Date Change Request - the new date for the event falls when the Marina will be closed for the season therefore there will be no washroom facilities or garbage receptical on site.

6. New Business

- 6.1 BIA Request to Remove a Tree in Front of 318 Scott Street - the request was denied. We want a maintenance agreement - when the sidewalk is removed the trees are coming out.
- 6.2 Airport Facility - private Hanger - Renewal of Hangar Lot Lease Rate with Mr. Eldon Mose for a Five Year Term commencing on July 1st, 2016 - the administration report was approved as recommended and will be forwarded to Council for approval.
- 6.3 June 2016 Drinking Water Systems Monthly Summary Report - the administration report was approved as recommended and will be forwarded to Council for approval.
- 6.4 Airport Facility - Lease of one (1) bay in the Maintenance Garage for storage by the Ministry of Natural Resources and Forestry - the administration report was approved as recommended and will be forwarded to Council for approval.
- 6.5 Sunny Cove Camp Inspection Report (July 12, 2016) - the administration report was approved as recommended and will be forwarded to Council for approval.

7. Information

- 7.1 Maintenance of Trees at Point Park - Verbal Discussion - a verbal discussion took place and we would like to begin an open dialogue with Agency One to address the Trees at the Point Park.
- 7.2 Sewer and Water Data for 2016 - updated June 30, 2016 - the Spreadsheet for the Sewer and Water Data updated June 30, 2016 was reviewed and will be forwarded on to Council as information only. No action required.
- 7.3 2016 Tonnage at Landfill Site - updated July 12, 2016 - the Landfill report updated July 12, 2016 was reviewed and will be forwarded to Council as information only. No action required.
- 7.4 Aircraft Landings and Fuel Sales 2016 - as of June 30, 2016 - the Airport Statistics spreadsheet as of June 30, 2016 was reviewed and will be forwarded to Council as information only. No action required.
- 7.5 Waste Water Treatment Plant Monthly Report for June 2016 - the Wastewater Treatment Plant report was reviewed for June 2016 and will be forwarded to Council as information only. No action required.

8. Adjourn / Next Meeting Date

The meeting adjourned at 9:27 a.m.
Next meeting is scheduled for September 7, 2016.

Executive Committee Chair

T. Rob, Manager of Operations & Facilities

August 26, 2016

Report To: Administration and Finance Executive Committee

From: Travis Rob, Manager of Operations and Facilities

**RE: Letter Dated July 7, 2016 from Mr. William Krag, owner of 800 Scott Street Fort Frances,
Water Service Repair Invoice.**

Please find attached the report dated August 24, 2016 from Mr. Doug Herr, Environmental and Facilities Superintendent outlining the events surrounding the repairs to the water services at 800 Scott Street and charges stemming from these works, which are being disputed.

As is the situation with any damages to Town infrastructure during private works, the property owner is responsible for cost to complete the repairs. The repairs of the damages completed during the works by Mr. Krag were completed by Town forces in accordance with all applicable regulations and standards and in a manner to not delay Mr. Krag's work. According to the TSSA Guideline for Excavation in the vicinity of Utility Lines, when digging within 1m on either side of a known piece of underground infrastructure you are required to dig by hand not by mechanical means to protect the infrastructure. Given that Mr. Krag notes in his letter that he pulled the water lines off of the respective curb stops, it is apparent that he was not digging in this area by hand which was likely the primary causal factor in the damage to the water services.

Based on the record of events report and the extent and type of damage to both water services It is the recommendation of the Operations and Facilities Executive Committee that the request for reconsideration of Mr. Krag's invoice be denied.

Respectfully Submitted

A handwritten signature in black ink, appearing to read 'Travis Rob', with a stylized flourish at the end.

Travis Rob, EIT

Manager of Operations & Facilities

2016Augustbillkragletter

August 24, 2016

Report To: Travis Rob, Manager of Operations & Facilities
From: Douglas Herr, Environmental & Facilities Superintendent
**SUBJECT: Water Service Damage Repairs
800 Scott Street (White Pine Hotel)
Letter Dated: July 7, 2016 - Received July 15, 2016**

Find attached a letter from Bill Krag disputing the invoice in the amount of \$6,158.73 for repair costs as a result of the damage he caused to the existing water service into the above property.

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

- November 9, 2015 – Town received an email from Ontario One Call for a locate request at 800 Scott Street. Bill Krag made the request as he was arranging to complete some sewer work within his property.
- November 9, 2015 – Locate was completed by Trish Law. No one was on site to sign the locate form so she emailed a copy to him. (Email attached). The locate states that the water/sewer services are only marked to the property line, not mark on private property. In her email she specifically requests that the form be signed and a copy returned to the Public Works Office prior to work taking place. Failure to do so will invalidate the service locate. No signed copy has been received to date.
- In the mid to later part of November 2015 Mr. Krag came to the Public Works Office looking to purchase materials for his sanitary sewer installation. The Town sold him what he required. When he was here I talked with him. He wanted to know if the Town would install the sewer service for him. I told him that the Town does not do work on private property as there are a number of contractors that do this type of work.
- Another time Mr. Krag came in looking to know the depth of the sewer at the property line as he was going to tie into it. He was installing the sewer pipe from the building back to the sewer pipe at the property line. I told him I could only give him an estimated depth. I also told him that the general practice for installing sewers is to start at the low end, at the cleanout at the property line and work your way back to the building. This way you can maintain proper grade on the sewer pipe and adjust accordingly. If you were to go backwards there is a chance that your newly installed pipe may end up below where you want to tie in. I drew a sketch of what I meant by this, which if I recall he took with him. At no time do I recall discussing the service locates with Mr. Krag.
- November 30, 2015 – Mr. Krag had telephoned the Public Works Office sometime in the middle of the afternoon requesting an emergency turn off as he caught the existing water service on his property. A crew was dispatched to the site. Upon exposing the water service at the property line they found that the curb stop had been pulled off the service pipe. The service line was crimped and left for repair the next day.
- December 01, 2015 – Town crew arrived on site to repair the water service. In order to facilitate a safe repair the existing concrete sidewalk was removed. The existing service,

Town side had to be froze in order to complete the repair and to avoid shutting down the water main itself. A new curb stop, box and spindle were installed at the property line and a short piece of service pipe was installed on the Owner's side to keep the curb stop threads clean. The excavation was then backfilled. It was found that there were two water services going into this property, both were in the off position.

- December 2, 2015 – Mr. Krag telephoned the Public Works office a second time stating that he again needed an emergency water turn off as he snagged his water service. A crew was dispatched to the site and completed a temporary repair, similar to that done on December 01, 2015. The curb stop on this water service (second service) was also pulled off the service pipe.
- December 3, 2015 – Town crew arrived on site to repair the water service. The existing water service was repaired similar to the repair done to the service on December 01, 2015. The excavation was not backfilled as requested by the Owner, Mr. Krag as he had to connect to the services.
- An invoice for the work completed by the Public Works crew was sent to Mr. Krag in December 2015. It wasn't until May 9, 2016 that I received an email from Mr. Krag stating that he was in dispute of the invoice. I tried several times to get ahold of Mr. Krag and finally got a hold of him by telephone. I asked him why it took so long to come forward with the dispute and explained that he would have to write a letter to Council explaining his reasons why he is disputing the invoice. His response was he was very busy and time flew by and that he would write Council a letter. A letter was received Friday July 15, 2016.

In regards to Mr. Krag's letter he mentions that his property only requires one water service and that he should not be made to pay for something he neither asked for nor needs. The two water services were already in place when Mr. Krag purchased the property. Nothing was added since. If Mr. Krag wishes to have one of the service lines permanently terminated then he would have to make application to do so. I would go on to say why would Mr. Krag reconnect both services back up to his building? From what was observed within the building only one service was being used. The other one had been disconnected and capped inside. (This would depend on the present and future use of the property).

Respectfully Submitted,



Douglas Herr, Environmental & Facilities Supt.

Enclosed: Letter – Bill Krag
Locate (Email)
Pictures

Fort Frances Mayor and Council
 Fort Frances Civic Center
 Fort Frances ON

July 7 2016

William Krag
 Owner of Property 800 Scott St
 Fort Frances ON



Mayor and Council:

This letter is concerning invoice 0024472 in the amount of \$6,158.73.
 I feel this invoice unwarranted and do not feel we should be responsible for the entire amount.

On Nov 30 2015 I was to begin digging a new sewer line into my property located at 800 Scott St. I had obtained the appropriate line locates required for this job. The sewer and water locate was quite vague, so I called the public works department for assistance but was not able to get anyone to come to the property. I went to the public works office and Doug Herr said they wouldn't be able to assist in this process but did provide me with a rudimentary drawing as to where dig to try and find the water line. I dug as best I could and found one water line that was leaking slightly. I called again and asked for someone to come and look at it. No one showed so I continued to dig and hooked the water line and pulled it out of the curb stop and water began to flow and fill the hole. I then called again there was no answer so I left a message about what happened. A crew showed up shortly and was able to stop the leak. Upon the finish of the clean up another old bent curb stop rod was noticed close to the one I was digging by. When asked about it I was told that that would be a dead line and not to worry about it. On Wednesday December 2 2015 I continued digging avoiding the "dead line" but it turned out that line looped around and under where I was digging and that one was also pulled off the curb stop and began filling hole with water. I again called public works and was told a crew would be dispatched. I am not sure how long it was but it was quite a while before anyone showed up thus allowing the water to undermine the side walk.

The line was repaired and I was able to finish with my work. There are other factors that created a lot of difficulty in finishing this project and cost me expenses and time to remedy. I do not believe I should be held responsible for any of the repairs as with assistance of town personnel these events would have been avoided. My property only requires one service and I should not be made to pay for something I neither asked for nor need.

I am responsible for the \$263.50 for Sewer Service Materials.

I would be happy to explain this further in person if you like. But this bill is not an unpaid bill it is a bill in dispute and should not be transferred to land taxes.

Sincerely ;
 Bill Krag 807 275 9297 fssr@nwonet.net

FORT FRANCES
OPERATIONS &
FACILITIES DIVISION
274-9893

RECORD OF LOCATE

Locate requests should be made at least 5 days prior to digging
WE REQUEST 48 HOURS NOTICE ON ALL UTILITY LOCATIONS



Work Location 800 SCOTT STREET		REQUESTED BY: <input type="checkbox"/> Bell <input type="checkbox"/> Contractor <input type="checkbox"/> Hydro <input checked="" type="checkbox"/> Home Owner <input type="checkbox"/> Cable <input type="checkbox"/> FFPC <input type="checkbox"/> Gas <input type="checkbox"/> Other
Nature of Work SEWER		
Other Information		Locator: LAW
Name of Contractor LAKE SERVICES		Date Received: 9/11/2015
Address of Contractor 2003 RR#2		Date Required: 16/11/2015
FORT FRANCES, ON		Dispatcher: DANTONE CALL
Locate Expiry Date 10/DEC/2015	Postal Code R9A 3M3	Phone 275-9297
Requested By B KRAG	Phone fssr@nwnet.net	Ticket #: 2015461584
		Work location clear of underground utilities

CAUTION!

Before excavating commences please read the "Guidelines for Excavations in the Vicinity of Underground Utilities" printed on the reverse of this sheet.

NOTE!

A new locate is required if any of the following occur: delays occur in acting on this locate beyond 30 days; this sketch and site markings do not coincide; the work location is changed; the nature of the work is changed; markings become unclear, or anything occurs which may indicate that a new or better locate is needed.

METHOD OF MARKING

☐ Water Blue Paint
☐ Sewer Green Paint
☐ Property Orange Paint

REFERENCE MAPS NUMBERS:

SEE ATTACHED MAP

Sketch not drawn to scale.

LEGEND

Hydrant
Pole
Manhole
Property Bar (orange) P-B
Property Line PL
Fence Line X
Catch Basin CB
Face of Curb FC
Curb Stop (Blue) CS
Clean Out (green) CO
Sewer Main (Green) SAN
Water Main (Blue) WM
Storm Sewer (Blue) STM
Anchor
Sidewalk SW
Work Area
Tree/Bush

* WATER / SEWER SERVICES CONNECT TO SCOTT ST MAINS (FRONT OF PROPERTY) - MARKED ONLY TO PROPERTY LINE, NOT MARKED ON PRIVATE PROPERTY
- APPROX LOCATION MARKED (NOT TRACED), PROCEED WITH CAUTION

* 300MM CSP STORM SEWER LOCATED CB @ 800 SCOTT ST WITH CB IN PARKING LOT ACROSS BLVD.

Exposed or damaged utilities must be reported to Fort Frances Operations & Facilities Division at 274-9893

28/11
Locator's Signature

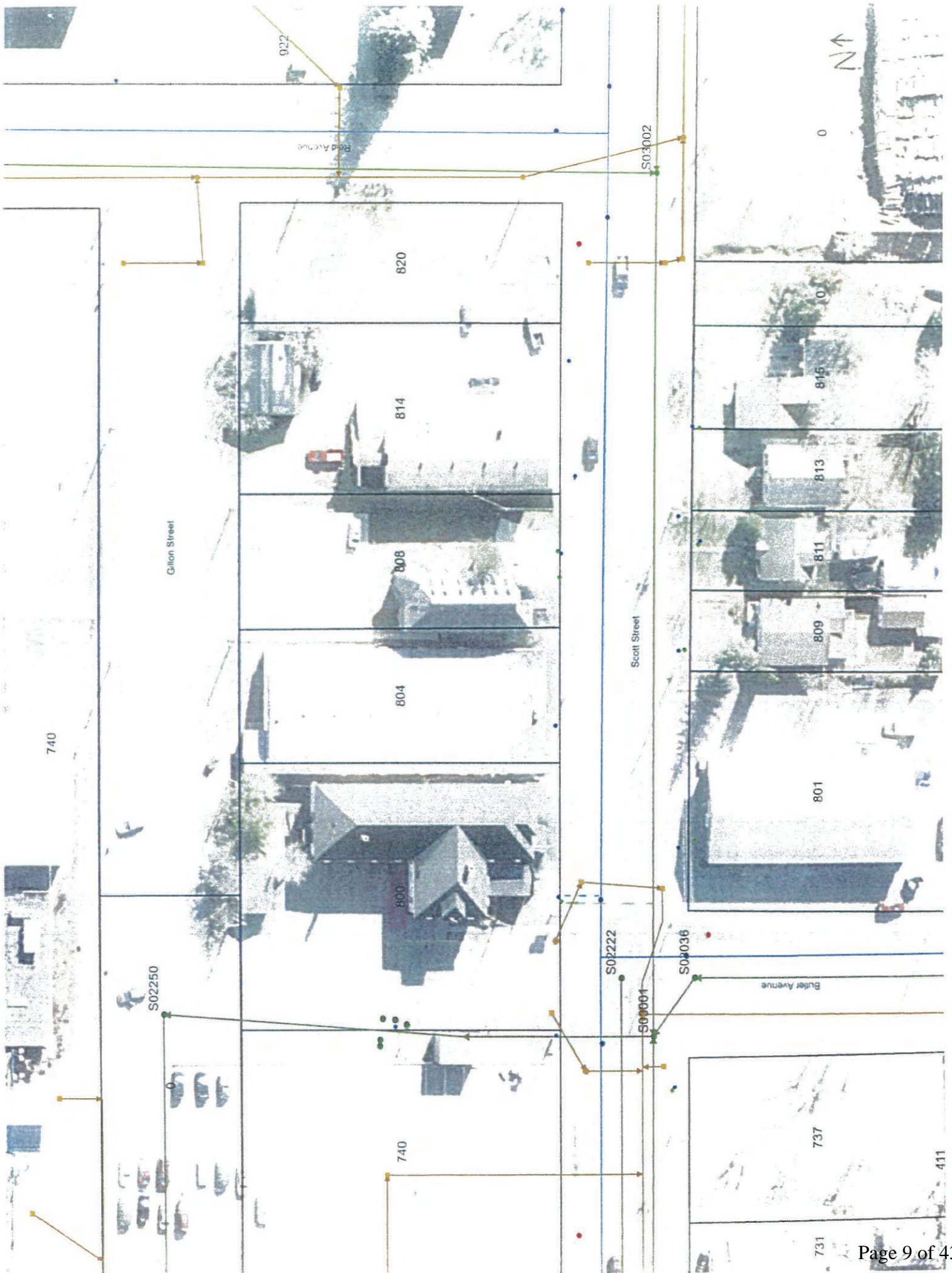
9/11/2015
Date

"I acknowledge receipt of a copy of this report and have read and fully understood all instructions and the caution on the reverse side. I also understand that I and/or my Employer will be held responsible for any injury or damages that may occur as a result of negligence on my and/or my Employer's part in the completion of this excavation."

Print name and title of excavator's representative

Representative's Signature

Contractor/Excavator to retain copy of locate on job site





Trish Law/Frances
11/10/2015 08:36 AM

To fssr@nwonet.net
cc
bcc
Subject locate ticket 2015461584

Bill:

Water/sewer/storm sewer locates for 800 Scott Street. Please sign and return one copy of the Record of Locate sheet (first page only) to my office prior to work taking place on site. Failure to do so will invalidate your service locates.

Regards,
Trisha

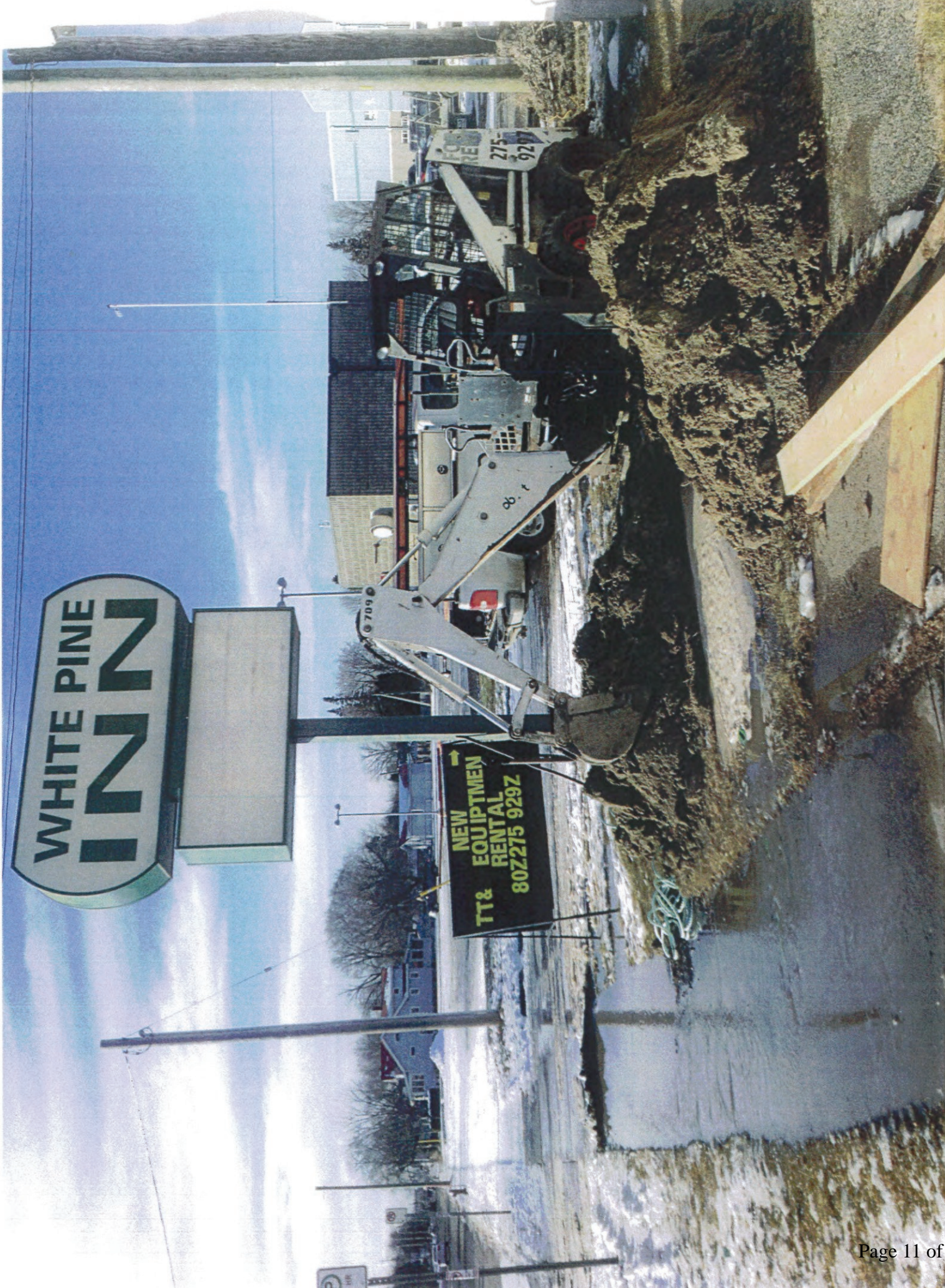
Trisha Law, B.Sc. (Geography), MGIS
GIS Expert
Town of Fort Frances Public Works
P: (807) 274-9893 ext. 304
F: (807) 274-7360
tlaw@fort-frances.com

PDF



2015461584.pdf





NOVEMBER 30, 2013 - 2:10 PM



NOVEMBER 30, 2015 - 2:10 PM



NOVEMBER 30, 2015 - 2:10 PM



NOVEMBER 30, 2015 - 2:51 PM



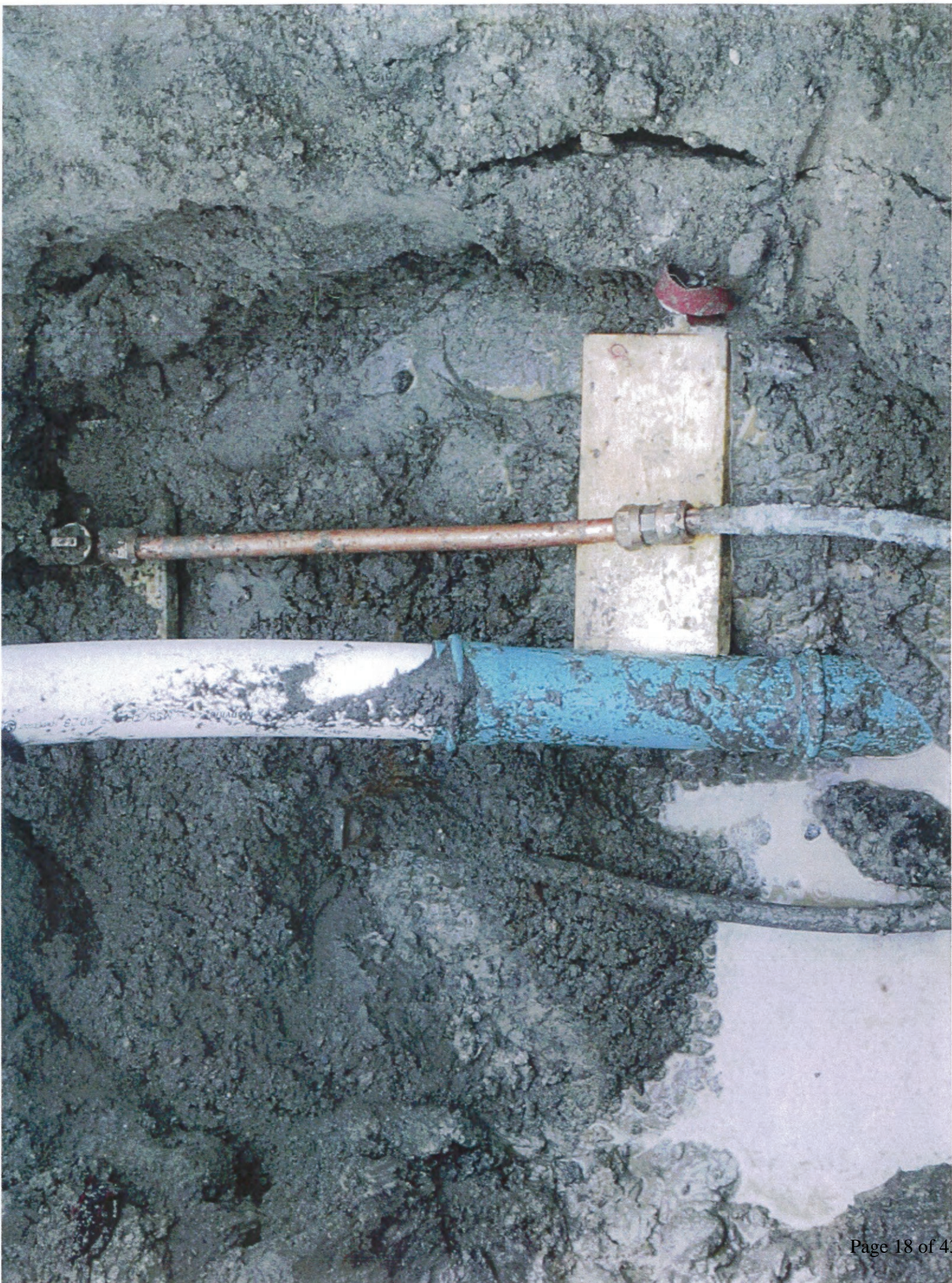
DECEMBER 01, 2015 - 11:20 AM



DECEMBER 01, 2015 - 12:40 PM



DECEMBER 01, 2015 - 2:48 PM



DECEMBER 01, 2015 - 3:13 PM



DECEMBER 01, 2015 - 4:55 PM



DECEMBER 02, 2015 - 3:31 PM



DECEMBER 03, 2015 - 11:56 AM



DECEMBER 03, 2015 - 11:38 PM

August 22, 2016

Report To: Mayor & Council

From: Travis Rob, Manager of Operations & Facilities

SUBJECT: July 2016 Drinking Water Systems Monthly Summary Report

Please find attached the July 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 July 2016 report as presented.

Respectfully submitted,
Operations & Facilities Division

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

<p>Council approval of this report will accept the July 2016 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

July, 2016

**Monthly Summary Report
Water Systems**

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

Dated: August 18, 2016

1) **Introduction -**

This report contains the major maintenance activities and operational events that occurred during the month of July 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. 1201 Idylwild Dr.	2. 110 Victoria Ave.	3. 1324 King's Hwy.	4. W. Tower
5. 1111 First St. E.	6. 604 Third St. E.	7. 740 Sixth St. W.	8. W. Tower
9. 720 Scott St.	10. 1050 Portage Ave.	11. 901 Wright Ave.	12. W. Tower
13. 1104 Church St.	14. 525 First St. E.	15. 1213 Colon. Rd. W.	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

- July 02nd - installed a new soda ash pump and soda ash pipe line.
- July 04th - calibrated distribution chlorine analyzer.
- July 05th - worked on backwash valves.
- July 07th - cleaned all 4 check valves on the poly unit.
- cleaned top and bottom tanks on the poly unit.
- July 12th - calibrated distribution chlorine analyzer.
- July 19th - worked on Sunny Cove water system.
- July 20th - ran generator for one hour.
- July 25th - flushed poly lines from pumps to clarifier.
- July 27th - installed new poly pump motor.
- cleaned the water mixing valve on poly unit.
- July 28th - cleaned all 4 check valves on the poly unit.
- cleaned top and bottom tanks on the poly unit.
- July 30th - calibrated distribution chlorine analyzer.

8) **Water Complaints –**

- Poor Pressure – 0 complaints
- Water Quality – 1 complaint

835 Crowe Ave.: Discoloured water due to construction on Phair Avenue - flushed hydrant in area until water cleared.

9) **Other Miscellaneous Information:**

- July 04th - took weekly routine micro samples.
 - received a load of Alum.
 - customer service repair - bacti samples - 606 Portage Avenue - 1st set.
- July 05th - customer service repair - bacti samples - 606 Portage Ave. - 2nd set.
- July 11th - took weekly routine micro samples.
 - new water main - bacti samples - Colonization Road East from 3rd St. E. to 5th St. E. - 1st set.
- July 12th - new water main - bacti samples - Colonization Road East from 3rd St. E. to 5th St. E. – 2nd set.
 - took bacti samples at the Lion's head.
- July 13th - took samples at Sunny Cove.
- July 18th - took micro samples at Sunny Cove water system.
- July 17th - QMS meeting.
 - tie-in of existing water mains to new mains - bacti samples - Colonization Rd. E. at Front St./Scott St. - 1st set
- July 20th - tie-in of existing water mains to new mains - bacti samples - Colonization Road East at 3rd St. E. and 5th St. E. - 1st set.
- July 21st - tie-in of existing water mains to new mains - bacti samples - Colonization Road East at 3rd St. E. and 5th St. E. - 2nd set.
 - new water main - bacti samples - Phair Avenue from 3rd St. E. to 6th St. E. - 1st set.
 - took grab samples of filters.

- July 22nd - new water main - bacti samples - Phair Avenue from 3rd St. E. to 6th St. E. - 2nd set.
- July 25th - took weekly routine micro samples.
- July 26th - did D.W.S.P. samples.
- took grab samples of filters.
- July 28th - tie-in of existing water mains to new mains - bacti samples - Phair Avenue at 6th St. E. - 1st set.

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 July 2016

Operating Data		Units	*MAC or Range	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	
Flow rates																																					
Raw Water	10 ³ M ³ /3	17	5.41	5.48	5.69	5.36	5.42	5.43	6.24	6.24	6.24	6.32	5.71	6.06	5.99	6.00	5.96	5.38	5.72	5.71	5.74	5.76	5.68	5.77	5.90	5.67	5.60	5.97	5.81	5.82	5.85	5.86	5.74	5.86	179.15	5.78	
Peak Instantaneous - Raw Water	L/s	n/a	63.81	63.77	63.73	63.75	63.69	63.40	63.45	72.08	72.10	71.30	71.09	70.81	70.14	70.44	70.22	66.90	66.85	66.69	66.75	67.37	67.77	68.17	67.73	67.94	67.98	67.80	68.04	68.54	68.70	68.70	68.35	2098.06	67.68		
Treated Water	10 ³ M ³ /3	17	3.84	3.32	3.57	3.40	3.63	3.63	4.30	3.80	3.80	3.60	3.43	4.94	4.06	3.96	3.65	3.49	3.35	3.35	3.63	4.24	3.71	4.88	5.06	3.47	3.38	3.80	5.64	5.33	4.28	5.68	5.41	4.20	126.03	4.07	
Peak Instantaneous - Treated Water	L/s	n/a	75.35	59.91	54.76	55.94	60.12	61.77	108.78	103.98	67.06	67.45	58.12	119.86	68.98	68.81	61.72	72.62	58.59	51.87	75.44	77.30	73.62	#####	114.38	71.72	71.33	126.89	140.39	84.22	126.90	#####	85.26	2587.85	83.48		
Backwash Water	10 ³ M ³ /3	n/a	0.266	0.211	0.229	0.266	0.245	0.247	0.240	0.173	0.265	0.175	0.259	0.235	0.263	0.151	0.226	0.257	0.169	0.237					0.261	0.261	0.160	0.237	0.252	0.170	0.236	0.264	5.955	0.229			
Fluoride Information																																					
Fluoride Residual - Treated Water	mg/l	0.5 to 0.8	0.75	0.73	0.75	0.72	0.73	0.75	0.72	0.76	0.72	0.76	0.72	0.70	0.62	0.65	0.62	0.53	0.56	0.52	0.58	0.64	0.50	0.64	0.66	0.68	0.69	0.69	0.70	0.71	0.69	0.72	0.71	0.72	20.69	0.67	
Turbidity Information																																					
Raw Water	NTU	n/a	1.50	1.49	1.58	1.61	1.63	1.59	1.49	1.51	1.55	1.45	1.45	1.53	1.49	1.26	1.33	1.38	1.45	1.45	1.51	1.43	1.37	1.43	1.39	1.45	1.54	1.58	1.44	1.37	1.31	1.45	1.40	1.49	45.45	1.47	
Settled Water	NTU	n/a	0.14	0.11	0.10	0.09	0.11	0.12	0.11	0.12	0.13	0.14	0.19	0.12	0.11	0.15	0.14	0.17	0.16	0.12	0.16	0.12	0.16	0.12	0.11	0.10	0.11	0.10	0.10	0.13	0.12	0.14	0.11	0.10	3.86	0.12	
Treated Water	NTU	1	0.09	0.08	0.07	0.07	0.09	0.08	0.09	0.08	0.09	0.08	0.06	0.09	0.09	0.07	0.09	0.11	0.08	0.10	0.08	0.08	0.09	0.07	0.06	0.06	0.06	0.06	0.06	0.09	0.08	0.06	0.06	2.43	0.08		
Other Operating Parameters																																					
pH - Treated Water	no units	6.5 to 8.5	7.22	7.24	7.34	7.39	7.31	7.27	7.25	7.15	7.20	7.17	7.05	7.40	7.40	7.40	7.26	7.32	7.27	7.29	7.32	7.24	7.29	7.25	7.27	7.25	7.26	7.29	7.27	7.24	7.19	7.22	7.27	7.26	217.93	7.26	
pH - Settled Water	no units	n/a	6.10	6.06	6.02	6.06	6.09	6.01	6.07	6.09	6.12	6.04	6.15	6.16	6.16	6.16	6.20	6.25	6.19	6.15	6.07	6.22	6.18	6.14	6.16	6.14	6.15	6.17	6.11	6.12	6.09	6.17	6.16	6.11	189.91	6.13	
pH - Raw Water	no units	n/a	7.16	7.11	7.17	7.15	7.20	7.16	7.21	7.09	7.17	7.12	7.18	7.10	7.07	7.23	7.13	7.21	7.19	6.98	7.26	7.24	7.20	7.19	7.11	7.19	7.11	7.19	7.16	7.19	7.09	7.21	7.17	7.16	221.91	7.16	
FAC - Treated Water	mg/l	0.2 to 4	2.30	2.16	2.00	2.14	1.98	1.97	1.89	1.99	2.04	2.20	2.18	1.80	2.08	2.30	2.05	2.00	2.15	2.11	2.12	2.15	2.15	2.14	2.12	2.10	2.12	2.00	2.03	1.89	1.88	2.12	1.99	64.15	2.07		
Total Chlorine Residual Treated	mg/l	0.3 to 7	2.42	2.37	2.29	2.36	2.17	2.15	2.09	2.16	2.21	2.41	2.38	2.18	2.26	2.59	2.32	2.42	2.48	2.36	2.40	2.36	2.39	2.36	2.32	2.29	2.34	2.34	2.19	2.15	2.14	2.37	2.26	71.53	2.31		
Temperature	C	15	17.0	18.0	18.0	18.0	18.0	18.0	19.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	21.0	21.0	21.0	21.0	19.0	19.0	21.0	21.0	22.0	22.0	22.0	22.0	22.0	22.0	23.0	23.0	633.0	20.4		
Fluorine used (Total Daily Consumption)	kg	n/a	19.0	18.0	19.0	17.0	17.0	16.0	19.0	19.0	19.0	17.0	18.0	17.0	18.0	17.0	16.0	17.0	17.0	17.0	17.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	18.0	18.0	17.0	18.0	588.0	18.0			
Chlorine used (Total Daily Consumption)	kg	n/a	27.0	26.0	27.0	26.0	25.0	26.0	33.0	31.0	27.0	30.0	29.0	29.0	30.0	29.0	30.0	27.0	28.0	28.0	29.0	28.0	29.0	29.0	30.0	28.0	30.0	29.0	29.0	30.0	29.0	30.0	29.0	29.0	890.0	28.7	
Soda ash (Total Daily Consumption)	kg	n/a	189.4	191.8	199.2	187.6	189.7	190.1	218.4	218.4	221.2	199.9	212.1	209.7	210.0	208.6	188.3	200.2	199.9	200.9	201.6	198.8	202.0	206.5	198.5	196.0	209.0	203.4	203.7	204.8	205.1	200.9	205.1	200.9	6270.3	202.3	
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	35.0	35.0	1085.0	35.0
Alum residual - (Total Daily Consumption)	kg	n/a	189.4	191.8	199.2	187.6	189.7	190.1	218.4	218.4	221.2	199.9	212.1	209.7	210.0	208.6	188.3	200.2	199.9	200.9	201.6	198.8	202.0	206.5	198.5	196.0	209.0	203.4	203.7	204.8	205.1	200.9	205.1	200.9	6270.3	202.3	
Alum residual - Dosage	mg/l	n/a	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	1085.0	35.0
Alum residual - Treated Water	mg/l	n/a	0.1	0.04	0.02	0.04	0.02	0.04	0.03	0.04	0.02	0.04	0.04	0.04	0.04	0.02	0.03	0.02	0.02	0.02	0.03	0.01	0.01	0.01	0.03	0.04	0.02	0.04	0.02	0.06	0.03	0.06	0.04	0.02	0.03	0.03	
Poly bags added (25 kg bags)	kg																																			100.0	

Flow Data JULY	Units	2014		2015		2016	
		Day of the Month		Day of the Month		Day of the Month	
Total Raw Water	m ³		168590		193370		179150
Raw Maximum Day	m ³	Friday 25th	6470	Sunday 12th	6970	Saturday 09th	6320
Raw Minimum Day	m ³	Sunday 06th	4480	Wednesday 08th	4170	Monday 04th	5360
Raw Average Daily Consumption	m ³		5440		6240		5780
Total Treated Water	m ³		129810		134840		126030
Treated Water Maximim Day Consumption	m ³	Thursday 31st	5540	Friday 31st	5530	Friday 29th	5680
Treated Water Minimim Day Consumption	m ³	Wednesday 02nd	3350	Thursday 02nd	3470	Saturday 02nd	3320
Treated Water Average Day Consumption	m ³		4190		4350		4070
Daily Average Per Household Consumption Rate	m ³		1.11		1.15		1.08
* Daily Average Per Person Consumption Rate	m ³		0.52		0.54		0.51
Monthly Averages - Operating Parameters WTP:							
FAC Residual - Treated Water	mg/L		1.83		1.99		2.07
Total Chlorine Residual - Treated Water	mg/L		2.16		2.33		2.31
Aluminum Sulphate - Raw Water	mg/L		36.0		35.0		35.0
Aluminum Sulphate - Treated Water Residual	mg/L		0.05		0.03		0.03
Fluoride - Treated Water	mg/L		0.59		0.55		0.67
Soda Ash - Raw Water	mg/L		36.0		35.0		35.0
PH - Adjusted	mg/L		7.15		7.22		7.26
Temperature	C		18.8		21.6		20.4
Quantity of Chemical Used:	kg						
Aluminum Sulphate	kg		6069.2		6768.0		6270.3
Polyelectrolyte	kg		75.0		75.0		100.0
Chlorine Gas	kg		797.0		933.0		890.0
Soda Ash - Used for PH Adjustment	kg		6069.2		6069.2		6270.3
Fluoride	kg		408.0		572.0		558.0

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

* Population is 7986

* Number of Households is 3783

August 30, 2016

Report To: Mayor and Council

From: Travis Rob, Manager of Operations and Facilities

**RE: Selection of capital project for application to the Ontario Community Improvement Fund (OCIF)
Top-Up Component**

In early summer of 2016 the Ministry of Agriculture, food and rural affairs announced an expansion to the Ontario Community Improvement Fund (OCIF) program whereby the program will provide annual stable formula based funding with the application based portion being seen as a “top up” allowing smaller municipalities with critical infrastructure projects to submit proposals to bring their total OCIF funding up to \$2 Million over 2 years. The Application for the top up portion of the funding has to be submitted no later than October 21, 2016.

In 2014 the reconstruction of Highway 11/71 from just east of Cornwall Avenue to Wright Avenue was submitted and \$2 million in funding was secured. For the 2016 application the two highest priority road works projects to be considered for application are Colonization Road West from 1302 to 1452 Colonization Road West and Reconstruction of Sinclair Avenue from Armit Avenue to Victoria Avenue.

The Colonization Road project was the subject of an application to the Small, Rural and Northern Infrastructure Fund (SRNIF) in early 2014 due to the number of failures of the 2-bolt connections in the water main. The project includes 500m of total road reconstruction. The watermain is 1967 vintage ductile Iron with 2-bolt joint connections, the sanitary sewer is 1964 Asbestos Cement and the storm sewer is 1989 mix of PVC and corrugated steel pipe. The road surface is also 1989 vintage but is in extremely poor condition due to the number of spot repairs to the water main along this section. For this project, the Engineering work has already been completed by Hatch and it is deemed ‘construction ready’. The construction cost estimate for this work in 2015 was \$1,774,802.52 plus applicable taxes.

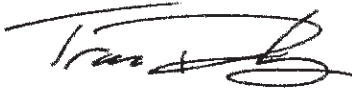
The Sinclair Avenue project consists of approximately 220m of total road reconstruction. The water main is 1916 vintage cast iron and clay tile sanitary sewer installed in 1932. There is minimal storm sewer along this entire stretch of roadway, what is there is corrugated steel pipe installed in 2000. The road surface was installed in 1968, has poor grading and a few patches from spot repairs. The water main on this stretch of roadway services the hospital. For this project, the Engineering work has already been completed by Hatch and it is also deemed ‘construction ready’. The 2015 cost estimate for this work was 1,219,418.30 plus applicable taxes.

Both of these projects have been utilized in past funding applications, and both have been denied. The 2017 top up portion is only available for those municipalities who did not receive OCIF Funds in 2016, the Town’s application for 2016 was denied. The total eligible funding for the Town of Fort Frances in 2017 is \$1,278,494.00 based on the Town’s formula allocation which can be used to fund a maximum of 90% of the project costs.

Given the above information, it is the recommendation of the Operations and Facilities Executive Committee that:

1. The reconstruction of Colonization Road West from 1302 to 1452 be submitted under the Ontario Community Infrastructure Improvement Fund top up component for completion in the 2017 construction season.
2. That administration submit the application to the OCIF program to the Ministry of Agriculture, Food and Rural Affairs before the October 21, 2016 Deadline.

Respectfully Submitted



Travis Rob, EIT
Manager of Operations & Facilities

Council Approval of this report will ensure the following:

1. That Council endorses the reconstruction of Colonization Road West from 1302 to 1452 be submitted under the Ontario Community Infrastructure Improvement Fund top up component for completion in the 2017 construction season.
2. That administration submit the application to the OCIF program to the Ministry of Agriculture, Food and Rural Affairs before the October 21, 2016 Deadline.

2016AugOCIFapplicationsites

RECOMMENDED

SEP 06 2016

DIV. MNG.

EXECUTIVE COMM.

OPERATIONS AND FACILITIES DIVISION - PUBLIC WORKS AREA
OPERATIONS STATISTICS
May 2016

STAFFING

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

	2015	2016
WSIB	0.00	0.00
WI/LTD	0.00	5.00
SICK DAYS	6.00	6.25
COMPASSIONATE LEAVE	0.00	1.00
FLOATERS	4.00	3.00
VACATION	37.00	19.00
BANKED TIME USED	8.25	11.69
OFF	0.75	1.25
STATUTORY HOLIDAYS	25.00	27.00
TOTAL	81.00	74.19

OVERTIME HOURS

Equivalent Straight Time Hours:

	2015	2016	2015	2016
	May	May	Year To	Year To
			Date	Date
FIGHT THE BLIGHT	0.00	142.50	0.00	142.50
TRAVEL	48.00	0.00	0.00	2.50
ENGINEERING	0.00	4.00	4.00	8.00
INTERDEPARTMENTAL	6.00	0.00	7.50	9.00
PRIVATE WORK	79.75	0.00	0.00	8.00
RECYCLE/GARBAGE	1.50	0.00	2.25	21.50
ROADS	24.00	0.00	202.50	166.75
SEWER COLLECTION	174.50	18.25	186.00	142.50
SIDEWALKS	0.00	0.00	18.75	3.00
STORES	0.00	0.00	24.00	30.00
VEHICLE & EQUIPMENT	0.00	0.00	27.00	4.00
WATER TREATMENT PLANT	8.00	30.50	217.00	192.25
WATER DISTRIBUTION	55.75	62.50	204.25	296.25
WATER TOWER	4.00	0.00	4.00	0.00
TOTAL	401.50	257.75	897.25	1026.25

TRANSPORTATION REPORT

May 2016

ROADS:

Storm Water Management – Urban:

- Continued flushing storm sewer laterals and cleaning catch basin pumps

Storm Water Management - Rural:

- Cleaned up debris from ditches and boulevards along both Town entrances on the Highway
- Removed a culvert at Point Park that was not draining any water
- Removed beaver dams as required.

Hard Top Maintenance:

- Levelled utility cuts – twice weekly
- Pothole patching as required
- Continued with the initial sweep of all streets
- Repaired or replaced curb and gutters from winter digs and other areas in need of repair.

Loose Top Maintenance:

- Graded loose top roads twice
- Graded all lanes

Roadside Maintenance:

- Cleaned up branches and debris along boulevards that accumulated over the winter

Winter Control:

- Cleaned up debris left at piles on lane entrances from winter operations

Traffic Operations:

- Repaired and replaced signs as required.

Regular Maintenance:

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

Buildings and Grounds:

- Cleaned Shop as required
- Cleaned vehicles and equipment as required.
- Cut grass around Public Works building and in all yards

Private Work:

- Completed landscaping at 446 Third Street East
- Installed a 5 foot extension to the culvert at 950 Fifth Street West to widen private crossing
- Installed a new 14 foot culvert for a private crossing at 421 Sixth Street West.

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

- Swept winter sand off of sidewalks and islands
- Swept winter sand and cleaned debris from Underpass sidewalk
- Swept sidewalk and bike path along Waterfront
- Replaced sidewalk from Winter digs
- Replaced sidewalk in areas identified for repairs

Vehicles and Equipment:

- Preventive Maintenance - pre-trip inspections 5:30 -7:30 a.m. Monday to Friday
- Regular scheduled maintenance of all vehicles and equipment
- Maintenance and repairs, Fire Department, Water Treatment Plant, Memorial Sportsplex, Day Care, Handi-Van and Civic Centre vehicles as required.

Public Relations:

- Provided two (2) crews of 6 employees to participate in the Town cleanup (Flight the Blight) on May 16, 17, 18 and 19.
- Installed a concrete pad for a Memorial Bench on the Waterfront

Sewer and Water:

- Provided labour and equipment for Water Distribution and Sewer Collection repairs and maintenance.
- Handed out “Water Turn Off Advisories”, “Drinking Water Advisories” and “Lifting of Drinking Water Advisories” when required
- Issued “Delinquent Account Notices” and turned off water for non-compliance as required.
- Flushed dead end sanitary sewer mains.

Interdepartmental:

- Installed bike rack at Civic Centre on May 5th
- Hauled ice from the Ice for Kids rink to the snow dump on May 10th
- Prepared Sorting Gap Marina for summer operations on May 11th
- Cathy Westover provided coverage for vacation May 7 & 8 and again on May 27, 28 and 29th.

Recycling:

- Emptied glass recycling bin as required
- Pushed up piles in recycling building as required
- Exchanged recycling bins as required
- Cleaned up around Public Bin and Yard

Training:

- Dan Mattson, Dave Martin and Curtis Wickstrom attended Supervisory Training at La Place Rendezvous on May 5th.

Health & Safety:

- Student orientation and small equipment training was completed May 2nd and 3rd.

Milt Strachan,
Superintendent of Transportation

TOWN OF FORT FRANCES
Operations and Facilities Division - Environmental Area - Operations Statistics
(July 2016)

STAFFING:

See Operations Statistics (July) 2016 prepared by M. Strachan, Superintendent of Transportation

OVERTIME HOURS - Equivalent Straight Time Hours

See Operations Statistics (July) 2016 prepared by M. Strachan, Superintendent of Transportation

WATER DISTRIBUTION:

Water Main Breaks:

- Number of water main breaks: None

Hydrant Repairs:

- Number of hydrant repairs: None

Hydrant Replacements:

- Number of hydrant replacements: None

Hydrant Installations (NEW):

- Number of new hydrant installations: None

Main Valve Repairs:

- Number of water main valve repairs: None

Main Valve Replacements:

- Number of water main valve replacements: None

Water Service Breaks:

- Number of water service breaks: One (1)
 - Point Park

Water Service Repairs:

- Number of water service repairs: Three (3)
 - 930 Third St. E., 906 Second St. E. and 238 Second St. E.

Water Service Installations (NEW):

- Number of water service installations: Five (5)
 - Nelson Street (600 blk.) - Town House (Five Services)

Water Service Replacements:

- Number of water service replacements: None

Water Service Terminations:

- Number of water service terminations: None

Water Service Turn "Off/On":

- Number of water service turn "Off/On": Two (2)
 - 862 King's Hwy. and 714 Victoria Ave.

Frozen Water Services:

- Number of frozen water services: None

Water Meter Installations/Replacements:

- Number of water meter installations/replacements: One (1)
 - 400 Eight St. E.

Backflow Preventer Installations/Replacements:

- Number of backflow preventer installations/replacements: One (1)
 - 400 Eight St. E.

Backflow Prevention - Testing:

- Number of backflow preventers tested: Two (2)
 - 400 Eight St. E. and 555 Flinder's Ave.

Other Information:

- Summarized final costs for invoicing of private works associated with private works
- Recorded locations of curb stops at various locations.
- Performed connection inspection of water service at 844 Huffman Crt.
- Continued with locates (as required) of the Town's infrastructure for various Contractors/Utility Companies.
- Continued with the valve exercising program (Area 5)
- Worked in conjunction with Bay City Contracting to disinfect and test water quality before putting the new water main back into service (Phair Avenue - Third St. E. to Sixth St. E.).
- Worked in conjunction with Makkinga Contracting to disinfect and test water quality before putting the new water main back into service (Colonization Rd. E. - Third St. E. to Fifth St. E.).

WATER TREATMENT PLANT:

- July, 2016 - In receipt of the Water Treatment Facility Monthly Report.

SEWERAGE COLLECTION:

Wastewater Main Backups:

- Number of wastewater main backup: None

Wastewater Main Repairs:

- Number of wastewater main repairs: None

Wastewater Manhole Repairs:

- Number of wastewater manhole repairs: One (1)
 - In front of 732 Church St.

Sewer Service Breaks:

- Number of sewer service breaks: Two (2)
- 626 Church St. and 953 Russell Bay

Sewer Service Repairs:

- Number of sewer service repairs: One (1)
- 1311 Emo Rd.

Sewer Service Installations (NEW):

- Number of sewer service installations: Five (5)
- Nelson Street (600 blk.) - Town House (Five Services)

Sewer Service Terminations:

- Number of water service terminations: None

Other Information:

- Cleaned nine (9) plugged sewer services at the following locations:
 - 626 Church St. (2), 720 Nelson St., 413 Mosher Ave., 631 Church St., 925 Phair Ave., 544 Webster Ave.
 - 831 Phair Ave. and 316 Second St. E.
- CCTV inspected various building sewer services.
- Performed connection inspection of sanitary service at 844 Huffman Crt.
- Traced various building sewer services.
- Completed locates (as required) of the Town's infrastructure for various Contractors/Utility Companies.
- Recorded locations of cleanouts at various locations.

WASTE-WATER TREATMENT FACILITY:

- July, 2016 - In receipt of the Wastewater Treatment Facility Monthly Report
- Kingdom Construction Ltd. on site - Dewatering and screen upgrades.

WASTE MANAGEMENT:

Garbage Collection:

- Number of complaints regarding garbage collection:
 - Town - 0 complaints, Asselin's - 4 complaints

Sanitary Landfill (Waste Disposal Site):

Landfill Scales functioning properly during this period.

- Amount of residential waste delivered to the landfill:
 - 208,560 kgs (206.65 tonnes)
- Amount of ICI waste delivered to the landfill:
 - 400,730 kgs (400.73 tonnes)
- July, 2016 - Hauled material from construction project to landfill - cover garbage.

Recycling:

- Number of complaints regarding recycled materials:
 - Town - 0 complaints, Asselin's - 1 complaint
- Amount of recycled waste diverted from the landfill:
 - No Data - Emterra Environmental

Prepared By: _____ Environmental & Facilities Superintendent

Date: _____

Aircraft Landings 2016
As of September 1, 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		76	73		328	254		0	1		17	22		36	37		44	32		76	65	0	249	230	-249
3/4 Total	609	700	686	2040	2777	2566	21	38	29	158	226	193	338	326	264	256	322	283	391	586	542	1773	2198	1997	-425
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	609	919	894	2040	3546	3364	21	42	35	158	259	229	338	434	359	256	334	299	391	709	661	1773	2697	2477	-924

Fort Frances Airport- Page 2/2 - Fuel Sales - As of September 1, 2016																			
Fuel Sales Recap - 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	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		16,102		125,994		0	0	142,096	24,238	21,837	18,005	19,431	22,511	23,363	18,937	28,822	30,341	23,054	-24,238
October		16,102		125,994		0	0	142,096	8,216	15,472	13,109	11,325	13,677	15,033	21,304	16,631	28,020	15,865	-8,216
November		16,102		125,994		0	0	142,096	11,616	7,238	6,398	8,170	6,785	17,747	10,754	16,951	16,842	11,389	-11,616
December		16,102		125,994		0	0	142,096	7,592	6,849	2,028	8,179	2,446	7,641	7,596	13,083	14,733	7,794	-7,592
Total	16,102		125,994		0		142,096		229,246	189,561	149,926	190,716	158,202	237,638	207,606	316,297	341,078	224,474	-87,150
							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