

TOWN OF FORT FRANCES

Operations and Facilities Executive Committee

AGENDA - July 5, 2017, 8:30 AM

MEETING - Fort Frances Airport

Session #010

Please note location change to the Fort Frances Airport

	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 previous meeting on June 21, 2017.	2 - 3
4. <u>Non-agenda Items</u>	
5. <u>New Business</u>	
5.1 Removal of Traffic Control Signals - 2017 Budgetary Cost Reducing Strategy	4 - 10
5.2 Award of Tender for MSHW Services to Host Household Hazardous Waste Events in Fort Frances.	11 - 15
5.3 May 2017 Drinking Water Systems Monthly Summary Report	16 - 23
5.4 Request to Erect a Sign at the Sorting Gap Marina	24 - 27
6. <u>Information</u>	
6.1 Sewer and Water Data for 2017 - updated June 12, 2017	28
7. <u>Adjourn / Next Meeting Date</u>	

TOWN OF FORT FRANCES

MINUTES

SESSION NO. #009

June 21, 2017

The meeting of Operations & Facilities Executive Committee of the Town of Fort Frances was held in the Civic Centre on June 21, 2017 from 8:30 a.m. to 9:42 a.m.

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

ALSO PRESENT: Mayor Roy Avis

1. Call to Order

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

2. Disclosure of pecuniary interest and the general nature thereof

None

3. Approval of Previous Committee Minutes

3.1 Minutes from the meeting of this Committee on June 7, 2017 - the minutes from the meeting were approved as circulated.

4. Non-agenda Items

Sign on mill wall coming into Fort Frances - Item 7.1

5. New Business

5.1 Drinking Water Quality Management System - Management Review - the four (4) action items were reviewed by the Operations and Facilities Executive Committee and recommended as presented to Council.

5.2 Award Tender of 17-OF-08 - Surface Treatment of Roadways at Various Locations - the administration report was reviewed and was approved as recommended.

5.3 Residential Subdivision Development - the recommendations presented to the Planning and Development Executive Committee were approved as presented.

6. Information

6.1 Fort Frances Wastewater Treatment Facility May 2017 Monthly Report - the Wastewater Treatment Facility May 2017 Report was reviewed and will be forwarded to Council as information only. No action required.

6.2 Aircraft Statistics as of June 16, 2017 - the Aircraft Statistics were reviewed and will be forwarded to Council as information only. No action required.

6.3 2017 - Tonnage at the Landfill Site - updated June 16, 2017 - the Landfill Statistics were reviewed and will be forwarded to Council as information only. No action required.

7. Non-Agenda Items

7.1 Sign on Mill Coming into Fort Frances - the decision on the Welcome to Fort Frances Sign on the mill building was accepted as recommended.

8. Adjourn / Next Meeting Date

The meeting adjourned at 9:42 a.m.

Executive Committee Chair

T. Rob, Manager of Operations & Facilities

July 5, 2017

Report To: Mayor and Council

From: Travis Rob, Manager of Operations and Facilities

RE: Removal of Traffic Control Signals – 2017 Budgetary Cost Reducing Strategy

Background

Council will recall that in February of 2017 a number of cost reducing initiatives we presented to Council in an effort to balance the 2017 Operating Budget. One of these initiatives was the removal of one set of traffic control signals with the cost savings for 2017 estimated at \$668.00. This cost savings was a balance of energy and maintenance cost reductions with an annual savings over a full calendar year being \$1895.69. More than the energy or maintenance savings, the current Traffic Control systems is obsolete and parts are no longer available. The removal of one set of signals would provide repair parts to keep other intersections operating into the future. Without these spare parts, any number of incidents could result in any of the other signalized intersections being without signals regardless of traffic and pedestrian volumes.

During the month of June 2017 a study of Traffic Control signals within the Town of Fort Frances was completed. The study reviewed the following intersections:

Intersection 1: Armit Avenue and Second Street

Intersection 2: Crowe Avenue and Second Street

Intersection 3. Armit Avenue and Scott Street

Intersection 1 and 2 were proposed during the budget deliberations with intersection 3 being brought up in the public most during the same time. The other intersection that was noted was Second Street and Mowat Avenue, however due to the high volume of truck traffic negotiating that intersection, it was determined that the removal of the traffic signals on this intersection would cause too great of traffic delays and was therefore not studied. During the week of June 12, 2017 the Operations and Facilities Division staff conducted an 8 hour traffic and pedestrian count to form the basis of the evaluation of the justification of the study traffic signals. The completion of the 8 hour traffic count and subsequent evaluation of the results was completed in accordance with the Ontario Traffic Manual (OTM) Book 12 – Traffic Signals.

Study Methodology

To determine whether or not traffic signals are justified there are a number of tests to complete, these are summarized below:

Justification 1: Minimum Vehicle Volume – Calculation of vehicle volume over an 8 hour traffic count.

Justification 2: Delay to Cross Traffic – Calculation of vehicles and pedestrian volumes, not including right turn movements over an 8 hour traffic count.

Justification 3: Collision Experience – *This is related to an un-signalized intersection becoming signalized so was not considered during this evaluation.

Justification 4: Combination Justification – *This is only used when two of the above justifications are over 80% satisfied but not over 100% satisfied, therefore was not considered as part of this evaluation.

Justification 5: Pedestrian Volumes – Total pedestrian volume in an 8 hour count compared to traffic volume over the same period

Intersection 3 was over 100% justified on justification 1 therefore there was no benefit in completing the evaluation of the other justifications and this intersection is recommended to remain signalized. The attached spreadsheets outline the full calculations for the 3 applicable justifications for intersections 1 and 2 and justification 1 data for Intersection 3.

For Justification 5, the OTM has a table which equates a justification based on a comparison of the 8 hour traffic volume and pedestrian volume, see table below. Given the traffic and pedestrian volume, signals are not justified for these locations.

Table 20 - Pedestrian Volume Justification 5.

8 Hour Vehicular Volume V_8	Net 8 Hour Pedestrian Volume				
	< 200	200 - 275	276 - 475	476 - 1000	> 1000
< 1440	Not Justified	Not Justified	Not Justified	Not Justified	Not Justified
1440 - 2600	Not Justified	Not Justified	Not Justified	See Equation 1	Justified
2601 - 7000	Not Justified	Not Justified	See Equation 2	Justified	Justified
> 7000	Not Justified	See Equation 3	Justified	Justified	Justified

EQUATION 1: Justified If net 8 hour ped. vol. > $(1650 - (0.45V_8))$

EQUATION 2: Justified If net 8 hour ped. vol. > $(0.0001 V_8^2 - 0.146V_8 + 770)$

EQUATION 3: Justified If net 8 hour ped. vol. > $(340 - (.0094V_8))$

% Justification = $((\text{net 8 hour pedestrian volume}) / (\text{Equation 1, 2 or 3 as appropriate})) \times 100 \%$

This table represents a provincially standardized evaluation of pedestrian volumes for the purpose of justifying traffic signals.

Interpretation

Looking at Intersection 1 and 2, neither intersection shows justification for signals on any of the three tests completed therefore a review of the hour by hour traffic information was completed looking for trends that may not have been brought to light through the OTM calculations.

The intersection of Armit and Second sees some traffic queuing for the Robert Moore Kiss and Ride turning left off of Second Street. This movement would likely be improved with the removal of the traffic signals as there would not be a queue of vehicles at a red light that would have to get through the intersection before the turn could happen, the signals at Crowe would provide the relief to allow the vehicles to make the left turn off Second. There are some students that cross this street to access

residential areas in the 200, 300, and 400 blocks of Nelson Street, Church Street, Scott Street, First Street and Second Street. The primary traffic flow is east west on Second Street and other than the morning and afternoon school traffic, the pedestrian and Armit Avenue vehicular traffic is minimal.

The intersection of Church and Second sees the exiting of all of the busses onto Second Street from Robert Moore. In Justification 2, the traffic turning right is not considered as this traffic has the ability to turn right on a red light. In an 8 hour count the volume of traffic turning right at this intersection is 228 plus an additional 13 'trucks' (larger trucks, busses, motorhomes etc.). The Crowe Avenue intersection saw far more truck traffic than the Armit intersection over the 8 hour count specifically negotiating the turning movements from Crowe to Second and Second to Crowe. Further the pedestrian traffic at this intersection would be for students east of Crowe Avenue and south of Second Street, a much larger residential catchment area.

Recommendation

The Ontario Traffic Manual notes, in relation to removing traffic signals that "If under any circumstances the signal fails to meet any justification, then it should be considered a candidate for removal". Given the criticality of traffic signals at some intersections within the Town and the unavailability of repair parts, and further based on the numbers developed through the OTM Justifications, and the observations in the field of these intersections, Administration recommends the following:

1. Remove the traffic control signals at the intersection of Armit Avenue and Second Street and replace with 2 stop signs on Armit Avenue, north and south bound.
2. Extend the No Parking zone on Second Street back approximately 31m on the 400 block during the daytime hours to improve the sight lines at this intersection.
3. Engage the Rainy River District School Board to close the walk through in their fence midblock on Second Street to better direct school pedestrian traffic to the Crowe Avenue intersection to cross Second Street.
4. That the recommended parking and signage changes be brought forward to the Traffic Safety Committee for review and comment.
5. Make the required amendments to the Traffic Control By-Law for the removal of the signals, addition of the Stop Signs and changes to the parking requirements.

Respectfully Submitted



Travis Rob, EIT

Council approval of this report will agree with the recommendation of the Operations and Facilities Executive Committee to:

- 1. Remove the traffic control signals at the intersection of Armit Avenue and Second Street and replace with 2 stop signs on Armit Avenue, north and south bound.**
- 2. Extend the No Parking zone on Second Street back approximately 31m on the 400 block during the daytime hours to improve the sight lines at this intersection.**
- 3. Engage the Rainy River District School Board to close the walk through in their fence midblock on Second Street to better direct school pedestrian traffic to the Crowe Avenue intersection to cross Second Street.**
- 4. That the recommended parking and signage changes be brought forward to the Traffic Safety Committee for review and comment.**
- 5. Make the required amendments to the Traffic Control By-Law for the removal of the signals, addition of the Stop Signs and changes to the parking requirements.**

Manager of Operations and Facilities

2017JulyTrafficLightRemoval

Armit Avenue and Second Street

Justification	Guidance	Hour Ending								No of Hours w/ Compliance		Average Compliance %	8hr traffic Vol.
		8:00am	9:00am	12:00am	1:00pm	3:00pm	4:00pm	5:00pm	6:00pm	>100%	>80%		
1A	Total Traffic Volume Entering Intersection (vph) (2 way total)	319	593	463	441	433	549	496	504				3798
	Compliance % (=vol*100)/720)	44.31	82.36	64.31	61.25	60.14	76.25	68.89	70.00	8	7	65.94	
1B	Crossing Travffic Volume (vph) (2 way total)	68	148	105	105	115	143	131	88				903
	Compliance % (=vol*100)/170)	40.00	87.06	61.76	61.76	67.65	84.12	77.06	51.76	8	8	66.40	4701

Justification	Guidance	Hour Ending								No of Hours w/ Compliance		Average Compliance %
		8:00am	9:00am	12:00am	1:00pm	3:00pm	4:00pm	5:00pm	6:00pm	>100%	>80%	
2A	Total Traffic Volume Entering Intersection (vph) (2 way total)	313	585	455	419	424	538	488	492			
	Compliance % (=vol*100)/720)	43.47	81.25	63.19	58.19	58.89	74.72	67.78	68.33	8	7	64.48
2B	Crossing Travffic Volume (vph) (2 way total)	42	122	97	93	97	160	119	82			
	Compliance % (=vol*100)/170)	24.71	71.76	57.06	54.71	57.06	94.12	70.00	48.24	8	7	59.71

Justification	Guidance	Hour Ending								8hr Ped Volume
		8:00am	9:00am	12:00am	1:00pm	3:00pm	4:00pm	5:00pm	6:00pm	
5	Total No. of pedestrians entering the intersection	6	35	15	8	17	70	29	15	195

Crowe Avenue and Second Street

Justification	Guidance	Hour Ending								No of Hours w/ Compliance			8hr traffic Vol.
		8:00am	9:00am	12:00am	1:00pm	3:00pm	4:00pm	5:00pm	6:00pm	>100%	>80%		
1A	Total Traffic Volume Entering Intersection (vph) (2 way total)	331	546	422	404	440	497	501	237			Average Compliance %	3378
	Compliance % (= (vol*100)/720)	45.97	75.83	58.61	56.11	61.11	69.03	69.58	32.92	8.00	8.00	58.65	
1B	Crossing Travffic Volume (vph) (2 way total)	76	108	81	96	65	94	65	66				651
	Compliance % (= (vol*100)/170)	44.71	63.53	47.65	56.47	38.24	55.29	38.24	38.82	8.00	8.00	47.87	4029

Justification	Guidance	Hour Ending								No of Hours w/ Compliance		
		8:00am	9:00am	12:00am	1:00pm	3:00pm	4:00pm	5:00pm	6:00pm	>100%	>80%	
2A	Total Traffic Volume Entering Intersection (vph) (2 way total)	319	549	406	391	438	497	509	237			Average Compliance %
	Compliance % (= (vol*100)/720)	44.31	76.25	56.39	54.31	60.83	69.03	70.69	32.92	8.00	8.00	58.09
2B	Crossing Travffic Volume (vph) (2 way total)	30	127	36	67	53	120	46	60			
	Compliance % (= (vol*100)/170)	17.65	74.71	21.18	39.41	31.18	70.59	27.06	35.29	8.00	8.00	39.63

Justification	Guidance	Hour Ending								8hr Ped Volume
		8:00am	9:00am	12:00am	1:00pm	3:00pm	4:00pm	5:00pm	6:00pm	
5	Total No. of pedestrians entering the intersection	8	52	6	15	15	63	12	4	175

Armit Avenue and Scott Street*

Justification	Guidance	Hour Ending								No of Hours w/ Compliance		
		8:00am	9:00am	12:00am	1:00pm	3:00pm	4:00pm	5:00pm	6:00pm	>100%	>80%	
1A	Total Traffic Volume Entering Intersection (vph) (2 way total)	199	385	427	493	493	461	639	434			Average Compliance %
	Compliance % (=(vol*100)/720)	27.64	53.47	59.31	68.47	68.47	64.03	88.75	60.28	8.00	8.00	61.30
1B	Crossing Travffic Volume (vph) (2 way total)	93	151	191	214	246	249	262	222			
	Compliance % (=(vol*100)/170)	54.71	88.82	112.35	125.88	144.71	146.47	154.12	130.59	2.00	1.00	119.71

* Average Compliance percentage surpasses 100% Therefore traffic signals are Justified at step 1

July 5, 2017

Report To: Mayor and Council

From: Travis Rob, Manager of Operations and Facilities

RE: Award of Tender for MSHW Services to Host Household Hazardous Waste Events in Fort Frances

The Town has tendered with the community of Dryden for a common Municipal Special or Hazardous Waste (MSHW) service provider to host a one-day household hazardous waste drop-off event in each community in 2017. In 2017 the City of Dryden was, again responsible for preparing the tender documents and specifications.

The Town's MSHW event day is scheduled for Saturday, September 16, 2017 starting at 9:00 am and ending at 3:00 pm. All citizens living in the Rainy River District will be allowed to drop off household hazardous waste at the Public Works Yard located at 900 Wright Avenue.

MSHW Service Provider	Subtotal	HST	Total Price
Miller Environmental Corporation	\$20,840.50	\$2,709.27	\$23,549.77

There was one tender submitted;

The Miller Group, out of Winnipeg was the only tender submitted. See attached Miller's schedule of fees for the MSHW event day services. Each community will authorize The Miller Group to be their 2017 MSHW service provider. The 2017 total estimated cost to the Town of Fort Frances without any reimbursement from Stewardship Ontario is \$21,207.29 (Town's portion of HST included) based on the quantity of MSHW materials collected in 2016. The 2017 approved operating budget has a net operating cost of \$5,000 where the total operating expenditure is estimated at \$22,000 and the revenue received is \$17,000. The exact net cost is very dependent on the amount and types of MSHW materials dropped off on the event day.

The Operations & Facilities Executive Committee recommends the following:

- 1) That the Miller Group out of Winnipeg be designated the Town 's 2017 MSHW service provider at an estimated cost of \$23,549.77 (includes HST) in accordance with the tender documents.
- 2) That the Town 's MSHW event day is scheduled on Saturday September 16, 2017 from 9:00 am to 3:00 pm.

Respectfully Submitted



Travis Rob, EIT

Council approval of this report will ensure:

- 1) That the Miller Group out of Winnipeg be designated the Town 's 2017 MSHW service provider at an estimated cost of \$23,549.77 (includes HST) in accordance with the tender documents.
- 2) That the Town 's MSHW event day is scheduled on Saturday September 16, 2017 from 9:00 am to 3:00 pm.

Manager of Operations and Facilities

2017JulyMHSWDayTenderAward

Table 3- Activity-based Costs for the event day – Town of Fort Frances

Instruction to bidder

Mobilization costs includes the cost for the contractor's travel time to and from the event site, loading and unloading times, complying with reporting requirements and trucking costs.

Collection costs is the total cost for all activities related to receiving, sorting, packing and manifesting MHSW materials

Activity	Unit	Total Price
Travel Time to & from event	_11_Hrs Lump Sum	\$6500.00
Loading & Unloading Times**	_3__Hrs Lump Sum	\$660.00
Collection Cost	Lump Sum	\$2900.00
Total	Lump Sum	\$10,060.00

** this shall include the time required to load empty containers at the contractor's facility prior to event, unloading containers and setup at event, loading full containers after event, and unloading full containers at the contractor's facility after the event.

Table 4: MHSW costs – Town of Fort Frances

Consolidated Materials	Transport Container	Recycling Option [A]	Disposal Option [A]	Unit Price [B]	Estimated Quantity [C]	Total Price [B x C]
Paint						
145L	42.00/GL	\$728/GL		\$0.770/KG	4400kg	\$3388.00
Empty Paint Containers	42.00/GL	\$728/GL		\$0.770/KG	0	\$0.00
Flammables/Misc. Organics						
213I Solvents	42.00/GL	\$504/GL	\$	\$0.546/KG	1150kg	\$627.90
241I Halogenated Solvents	47.00/DM	\$	\$150/DM	\$0.96/KG	10kg	\$9.60
263B Lab Chemicals	47.00/DM	\$	\$225/DM	\$1.10/KG	20kg	\$22.00
Aerosols						
331I	47.00/DM	\$118/DM		\$0.80/KG	350kg	\$280.00
Single use Dry Cell Batteries						
122C	47.00/DM	\$2.65/KG		\$2.88/KG	540kg	\$1555.20
Rechargeable Batteries						

121C	47.00/DM	\$2.65/KG		\$2.88/KG	25 kg	\$72.00
Pressurised Containers						
331I	42.00/GL	\$365/GL		\$0.399/KG	192kg	\$76.61
Pesticides						
242A	47.00/DM	\$	\$2.60/KG	\$2.83/KG	250kg	\$707.50
Pathological Waste (Sharps)						
312P	27.00/PT		\$120/PT	\$6.75/KG	5 kg	\$33.75
Pharmaceuticals						
261A	47.00/DM		\$2.35/KG	\$2.58/KG	24kg	\$61.92
Fluorescent Lights						
146	15.00/BX	\$1.50		\$2.50/KG	300 kg	\$750.00
Corrosives						
148C Basic Inorganic	47.00/DM	\$	\$118/DM	\$0.80/KG	20kg	\$16.00
144C Acid	47.00/DM	\$	\$118/DM	\$0.80/KG	40kg	\$32.00
148C Acid Inorganic	47.00/DM	\$	\$118/DM	\$0.80/KG	20kg	\$16.00
Fertilizers						
147A	47.00/DM	\$	\$270/DM	\$1.55/KG	0kg	\$0
Oxidisers						
148	47.00/DM		\$433/DM	\$2.34/KG	79 kg	\$184.86
Fire Extinguishers (portable)						
	47.00/DM	\$	\$118/DM	\$0.80/KG	25 kg	\$20.00
Leachates						
149T	47.00/DM	\$	\$128/DM	\$0.85/KG	0	\$0.00
Mercury Devices						
148T	47.00/DM	\$	\$90.00/KG	\$95.00/KG	5 kg	\$475.00
Bulked Fuel						
221I	47.00/DM	\$	\$152/DM	\$0.97/KG	124 kg	\$120.28
Toxics						
148T Waste Lab Chemicals	47.00/DM	\$	\$178/DM	\$1.10/KG	25 kg	\$27.50
263I Adhesives	47.00/DM	\$	\$265/DM	\$1.52/KG	700kg	\$1064.00

212L Antifreeze	47.00/DM	\$	\$0.27/KG	\$0.50/KG	200 kg	\$100.00
252L Oil Filters	47.00/DM	\$	\$0.27/KG	\$0.50/KG	65 kg	\$32.50
Empty Oil Containers	42.00/GL	\$	\$0.27/KG	\$0.31/KG	348 kg	\$107.88
Bulked Oil	47.00/DM	\$	\$0.27/KG	\$0.50/KG	2000 kg	\$1000.00
TOTAL (excluding flr. Lights):					10917 kg	\$10780.50

Table 5 : Summary Table – Total Cost (Tables 3 & 4) – Town of Fort Frances

Item	Table	Total
(De)Mobilization/Collection Costs:	3	\$10,060.00
MHSW Costs:	4	\$10,780.50
HST		\$2,709.27
Grand Total		\$23,549.77

June 29, 2017

Report To: Mayor & Council

From: Travis Rob, Manager of Operations & Facilities

SUBJECT: May 2017 Drinking Water Systems Monthly Summary Report

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

Your Administration recommends that Operations & Facilities Executive Committee accept the May 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 May 2017 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

May, 2017

**Monthly Summary Report
Water Systems**

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

Dated: June 15, 2017

1) **Introduction:**

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

2) **Flow Data:**

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

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

Water Treatment Plant (treated): 5 samples taken no adverse results

Water Treatment Plant (raw): 5 samples taken no adverse results

Water Distribution System: 20 samples taken where 25% of samples were tested for heterotrophic plate count (HPC) - no adverse results.

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

Water distribution samples taken at the following locations:

- | | | | |
|-----------------------|------------------------|-----------------------|--------------|
| 1. 740 Scott St. | 2. 1150 Portage Ave. | 3. 901 Wright Ave. | 4. W. Tower |
| 5. 1036 Victoria Ave. | 6. 913 Banta Blvd. | 7. 901 Wright Ave. | 8. W. Tower |
| 9. 1111 First St. E. | 10. 1104 Church St. | 11. 1150 Portage Ave. | 12. W. Tower |
| 13. 740 Scott St. | 14. 901 Wright Ave. | 15. 810 King's Hwy. | 16. W. Tower |
| 17. 740 Scott St. | 18. 1036 Victoria Ave. | 19. 901 Wright Ave. | 20. 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:

May 04th - cleaned the top and bottom tanks on the poly unit.
- cleaned all four (4) check valves on the poly unit.

May 09th - calibrated the Distribution Chlorine Analyzer.

May 24th - put Reservoir No. 1 back on line.

May 25th - cleaned top and bottom tanks on the poly unit.
- cleaned all four (4) check valves on the poly unit.

May 30th - ran standby generator for one (1) hour.

May 31st - checked the calibration of the Distribution Chlorine Analyzer.

8) Water Complaints:

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

9) Other Miscellaneous Information:

May 01st - took weekly routine micro samples.

May 02nd - seasonal samples – Point Park & Ball Field.

May 08th - took weekly routine micro samples.

May 09th - took grab samples off the filters.

May 10th - took micro samples at Sunny Cove Camp – 1st set.
- seasonal samples – Lion Park.

May 11th - took micro samples at Sunny Cove Camp – 2nd set.

May 12th - hauled a load of Potassium to Sunny Cove Camp.

May 15th - took weekly routine micro samples.
- did quarterly samples at Sunny Cove Camp.

May 17th - took micro samples off Reservoir No. 1 – 1st set.

May 18th - took micro samples off Reservoir No. 1 – 2nd set.
- water main repair at 1036 Victoria Ave. N. – micro samples – 1st set.

May 23rd - water main repair at 1036 Victoria Ave. N. – micro samples – 2nd set.
- took weekly routine micro samples.
- took quarterly at the plant and water tower.
- took samples off Filter No. 1 (total suspended solids) during backwash.

May 29th - took weekly routine micro samples.

May 31st - took grab samples off Filters.

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 May 2017

Flow Data MAY	Units	2015		2016		2017	
		Day of the Month		Day of the Month		Day of the Month	
Total Raw Water	m ³		175810		163490		196210
Raw Maximum Day	m ³	Saturday 02nd	5940	Saturday 28th	5520	Monday 22nd	7080
Raw Minimum Day	m ³	Friday 01st	5260	Monday 09th	5090	Sunday 21st	5830
Raw Average Daily Consumption	m ³		5670		5270		6330
Total Treated Water	m ³		12010		118580		116990
Treated Water Maximum Day Consumption	m ³	Sunday 03rd	4380	Tuesday 31st	4340	Wednesday 24th	5040
Treated Water Minimum Day Consumption	m ³	Monday 18th	3450	Tuesday 17th	3240	Sunday 21st	2820
Treated Water Average Day Consumption	m ³		3870		3830		3770
Daily Average Per Household Consumption Rate	m ³		1.02		1.01		1.00
* Daily Average Per Person Consumption Rate	m ³		0.48		0.48		0.47
Monthly Averages - Operating Parameters WTP:							
FAC Residual - Treated Water	mg/L		2.05		2.05		2.23
Total Chlorine Residual - Treated Water	mg/L		2.28		2.39		2.45
Aluminum Sulphate - Raw Water	mg/L		35.1		35.0		35.0
Aluminum Sulphate - Treated Water Residual	mg/L		0.05		0.04		0.03
Fluoride - Treated Water	mg/L		0.62		0.65		0.59
Soda Ash - Raw Water	mg/L		35.5		35.0		35.0
PH - Adjusted	mg/L		7.17		7.47		7.19
Temperature	C		10.4		10.5		9.9
Quantity of Chemical Used:	kg						
Aluminum Sulphate	kg		6182.4		5722.1		6867.35
Polyelectrolyte	kg		50.0		87.5		87.5
Chlorine Gas	kg		709		688		811
Soda Ash - Used for PH Adjustment	kg		6255.1		5722.1		6867.35
Fluoride	kg		427		547		547

- * The Canadian Average is 450 Litres (0.45 m³) per day.
- * Population is 7986
- * Number of Households is 3783

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	6.07	6.09	6.09	6.04	6.10	6.31	6.29	5.99	6.27	6.09	6.29	6.20	6.08	6.36	6.33	6.19	6.80	6.71	6.42	6.67	5.83	7.08	6.09	6.62	6.50	6.52	6.36	6.46	6.55	6.50	6.31	196.21	6.33
Peak Instantaneous - Raw Water	L/s	n/a	71.77	70.68	70.81	70.89	71.12	72.55	72.72	72.80	72.87	72.80	72.67	72.76	72.92	73.12	73.12	73.03	80.86	80.97	75.47	75.29	75.54	75.21	75.35	75.44	75.48	75.56	75.61	75.62	75.68	75.71	75.68	2300.10	74.20
Treated Water	10^3 M^3	17	3.53	3.31	3.78	3.51	3.73	4.28	3.65	3.43	4.54	4.80	3.61	3.69	3.61	3.71	3.82	4.22	4.27	3.60	3.80	4.27	2.82	3.27	3.27	5.04	3.35	3.51	4.49	3.39	3.53	3.92	3.24	116.99	3.77
Peak Instantaneous - Treated Water	L/s	n/a	80.35	90.37	90.63	82.26	88.14	92.11	86.65	82.31	93.13	131.30	87.83	83.49	81.18	81.10	81.13	93.43	87.68	91.14	88.61	85.05	79.94	78.12	78.99	#####	88.48	80.93	102.23	82.61	79.61	90.49	79.08	2766.60	89.25
BackWash Water	10^3 M^3	n/a		0.210	0.256	0.270	0.213	0.260		0.260	0.270			0.225					0.260	0.273	0.227	0.256	0.272	0.225	0.242	0.254	0.270	0.506	0.260		0.273		5.282	0.264	
Fluoride Information																																			
Fluoride Residual - Treated Water	mg/l	0.5 to 0.8	0.62	0.57	0.65	0.59	0.62	0.60	0.61	0.58	0.55	0.56	0.58	0.60	0.60	0.60	0.58	0.56	0.61	0.58	0.63	0.61	0.63	0.61	0.57	0.58	0.53	0.56	0.60	0.51	0.63	0.59	0.65	18.36	0.59
Turbidity Information																																			
Raw Water	NTU	n/a	1.05	0.99	0.93	0.98	0.92	0.95	1.00	1.03	0.98	0.94	1.04	1.09	1.00	0.97	1.01	0.97	0.99	1.07	1.10	1.11	1.15	1.14	1.18	1.11	1.01	1.09	1.15	1.15	1.20	1.17	1.10	32.57	1.05
Settled Water	NTU	n/a	0.19	0.17	0.19	0.16	0.18	0.22	0.20	0.18	0.19	0.21	0.20	0.18	0.17	0.17	0.19	0.18	0.16	0.18	0.21	0.19	0.17	0.21	0.19	0.16	0.18	0.17	0.16	0.17	0.18	0.16	0.15	5.62	0.18
Treated Water	NTU	1	0.08	0.09	0.10	0.10	0.09	0.12	0.12	0.11	0.10	0.10	0.11	0.09	0.10	0.10	0.10	0.11	0.10	0.10	0.09	0.10	0.09	0.12	0.10	0.11	0.10	0.10	0.11	0.10	0.10	0.11	3.15	0.10	
Other Operating Parameters																																			
pH - Treated Water	no units	6.5 to 8.5	7.19	7.23	7.21	7.22	7.20	7.15	7.18	7.21	7.19	7.18	7.13	7.18	7.16	7.19	7.14	7.16	7.13	7.09	7.15	7.17	7.15	7.11	7.11	7.09	7.09	7.14	7.33	7.38	7.29	7.30	7.31	222.76	7.19
pH - Settled water	no units	n/a	6.79	6.73	6.79	6.69	6.82	6.57	6.61	6.71	6.82	6.76	6.81	6.17	6.74	6.80	6.86	6.92	6.97	6.92	6.81	6.82	6.79	6.89	6.94	6.88	6.84	6.80	6.05	6.04	6.05	6.11	6.14	206.64	6.67
pH - Raw Water	no units	n/a	7.20	7.28	7.24	7.25	7.23	7.19	7.12	7.20	7.19	7.19	7.05	7.08	7.06	7.09	7.17	7.19	7.12	7.14	7.14	7.10	7.12	7.21	7.23	7.14	7.16	7.19	7.40	7.52	7.41	7.38	7.38	223.37	7.21
FAC - Treated Water	mg/l	0.2 to 4	2.40	2.34	2.44	2.32	2.30	2.36	2.43	2.38	2.30	2.30	2.32	2.30	2.26	2.18	2.20	2.24	2.20	2.16	2.36	2.37	2.36	2.24	2.22	2.24	2.07	2.02	1.95	1.85	1.98	2.15	1.90	69.14	2.23
Total Chlorine Residual Treated	mg/l	0.3 to 7	2.58	2.48	2.58	2.58	2.70	2.54	2.62	2.52	2.56	2.42	2.48	2.52	2.54	2.44	2.42	2.36	2.32	2.30	2.52	2.56	2.54	2.66	2.52	2.42	2.32	2.28	2.22	2.08	2.26	2.32	2.16	75.82	2.45
Temperature	C	15	6.0	6.0	6.0	7.0	7.0	8.00	9.0	9.0	9.0	9.0	9.0	9.0	10.0	10.0	10.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	12.0	12.0	12.0	12.0	12.0	306.00	9.87	
Fluoride used (Total Daily Consumption)	kg	n/a	20.0	21.0	19.0	20.0	20.0	19.0	20.0	18.0	19.0	19.0	21.0	22.0	20.0	22.0	22.0	21.0	23.0	23.0	22.0	23.0	19.0	24.0	20.0	21.0	21.0	21.0	21.0	20.0	21.0	20.0	21.0	643.00	20.74
Chlorine used (Total Daily Consumption)	kg	n/a	25.0	24.0	25.0	24.0	25.0	25.0	26.0	25.0	25.0	25.0	26.0	26.0	25.0	26.0	25.0	25.0	27.0	29.0	27.0	28.0	24.0	29.0	25.0	28.0	25.0	27.0	27.0	27.0	30.0	30.0	26.0	811.00	26.16
Soda ash (Total Daily Consumption)	kg	n/a	212.5	213.2	213.2	211.4	213.5	220.9	220.2	209.7	219.5	213.2	220.2	217.0	212.8	222.6	221.6	216.7	238.0	234.9	224.7	233.5	204.1	247.8	213.2	231.7	227.5	228.2	222.6	226.1	229.3	227.5	220.9	6867.35	221.53
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	1085.00	35.00
Alum residual - (Total Daily Consumption)	kg	n/a	212.5	213.2	213.2	211.4	213.5	220.9	220.2	209.7	219.5	213.2	220.2	217.0	212.8	222.6	221.6	216.7	238.0	234.9	224.7	233.5	204.1	247.8	213.2	231.7	227.5	228.2	222.6	226.1	229.3	227.5	220.9	6867.35	221.53
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	1085.00	35.00
Alum residual - Treated Water	mg/l	0.1	0.03	0.02	0.04	0.04	0.03	0.01	0.02	0.03	0.03	0.03	0.04	0.02	0.01	0.03	0.05	0.02	0.02	0.02	0.01	0.02	0.05	0.05	0.02	0.03	0.02	0.02	0.02	0.01	0.01	0.03	0.80	0.03	
Poly bags added (25 kg bags)	kg			0.5			0.5				0.5							0.5			0.5					0.5					0.5			87.5	

July 5, 2017

Report To: Mayor and Council

From: Operations and Facilities Executive Committee

RE: Request to Erect a Sign at the Sorting Gap Marina

On June 22, 2017 Administration received a request, attached, from Mr. TJ Maedel with the Ministry of Natural Resources and Forestry to erect a sign describing the Rainy Lake Island Conservation Reserve at the Sorting Gap Marina on the north side of the parking lot near the Resolute weigh scales, adjacent to the existing large Fort Frances Canadian Bass Championship and Rainy Lake maps. The sign is proposed to be 4' x 8' in size with the Ministry being responsible for installation.

The sign provides locals and tourists information on the Rainy Lake Island conservation, its protection as well as a map of the area protected. Attached to this report is some provided pictures of the sign, which can be seen at other landings around Rainy Lake. It is the recommendation of the Operations and Facilities Executive Committee that permission be granted to install the sign, subject to the conditions stipulated in the Town of Fort Frances Sign By-Law and after obtaining proper utility locates.

Respectfully Submitted

Paul Ryan
Chair
Operations and Facilities Executive Committee

2927JulyMNRFSignRequest

Travis Rob

From: Lisa Slomke
Sent: June-26-17 3:20 PM
To: Patrick Briere; Arlene Byrnes; Travis Rob
Cc: Jason Kabel
Subject: FW: Rainy Lake Island Conservation Reserve Sign - Sorting Gap Marina
Attachments: IMG_2645.JPG; IMG_2646.JPG; IMG_2648.JPG

Good Afternoon:

Please place the attached on the next PDEC agenda and obtain input from OFEC. In light of there being only one meeting in July and one in August, please place on agenda without being referred by Council (which is standard practice).

Thanks.
Lisa

From: Jason Kabel
Sent: Friday, June 23, 2017 12:00 PM
To: Lisa Slomke <lslomke@fortfrances.ca>
Cc: Kathy Lawson <klawson@fortfrances.ca>
Subject: FW: Rainy Lake Island Conservation Reserve Sign - Sorting Gap Marina

Hi Lisa,

The MNR has made a request below that I think should be forwarded to Council for consideration please.

Thanks,
Jason



Jason Kabel, B.Sc., B.Ed.
Community Services Division Manager
740 Scott Street Fort Frances, ON P9A 1H8
Tel: 807-274-4561 ext. 1719 Fax: 807-274-3799
jkabel@fort-frances.com | www.fort-frances.com

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From: Maedel, Thomas (MNRF) [<mailto:Thomas.Maedel@ontario.ca>]
Sent: Thursday, June 22, 2017 2:54 PM
To: Jason Kabel <jkabel@fortfrances.ca>
Subject: RE: Rainy Lake Island Conservation Reserve Sign - Sorting Gap Marina

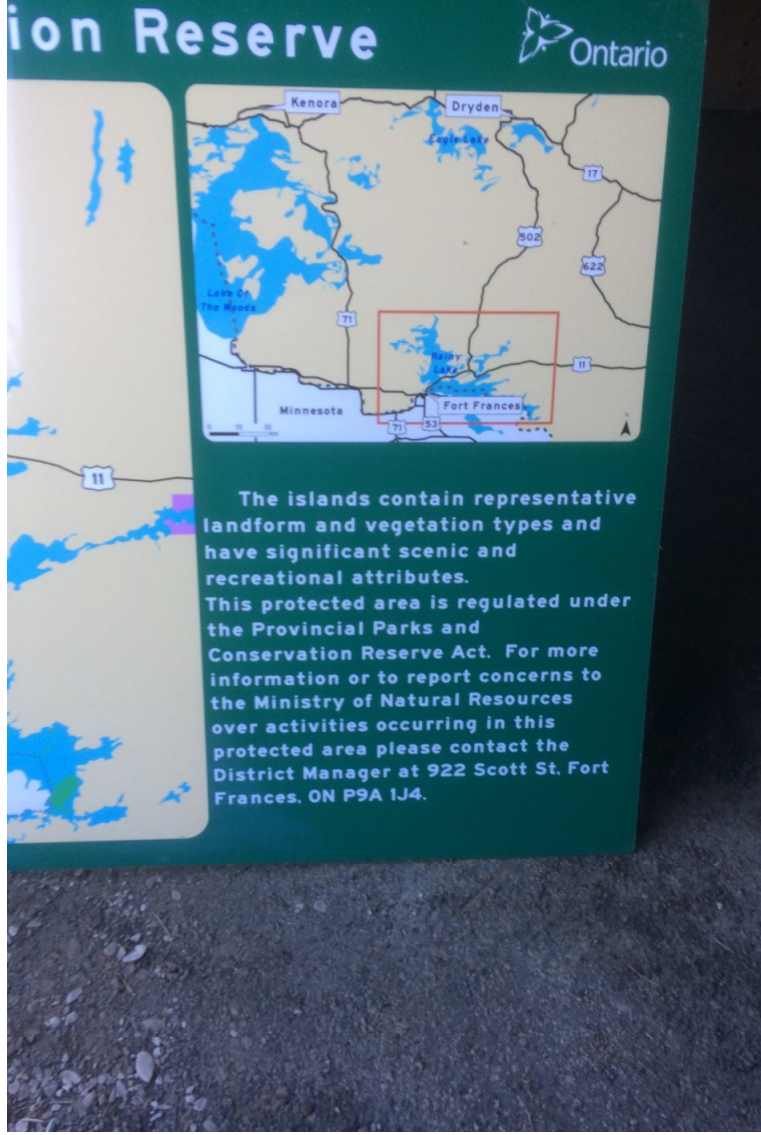
Hi Jason,

As discussed yesterday please accept this email as a request to put up a sign located at the Sorting Gap Marina. We would like to locate the sign to the west of the Fort Frances Sign in front of the scaling yard. If this location does not work or after reviewing the attached photos of the sign, you believe there is another location that would work better for the Town please don't hesitate to let me know and we can discuss.

Thanks,

TJ Maedel

Resource/Bear Management Technician
Ministry of Natural Resources and Forestry
Fort Frances District
922 Scott Street, Fort Frances, ON, P9A1J4
Phone:(807) 274-8622
Fax:(807) 274-4438



Sewer & Water Data for 2017

up-dated June 12, 2017

Month	Days per month	2017	2017	2017	2017	2017	2017	2017	2017	2017	2017	2017-2016	2017-2016	2017	2017
		Total	daily	Couch.	Couch.	Couch.	Total	daily	Couch.	Couch.	Couch.	Diff	Diff	Difference	Infiltration
		Sewage	Sewage	Sewage	Sewage	Sewage	Treated	Treated	2 Water	2 Water	Water	Treated	Wastewater	STP-WTP	Infiltration
		STP	STP	Meters	Meters	%	WTP	WTP	Meters	Meters	%	WTP	STP		daily average
		cu. meters	cu. meters	cu. meters	cu. meters		cu. meters	cu. meters	cu. meters	cu. meters					
		monthly	daily	monthly	daily		monthly	daily	monthly	daily					
January	31	174745	5636.94	13111	422.94	7.50%	114550.0	3695.2	10605.0	342.1	9.26%	-3560.0	-1965.0	60195.0	1941.8
February	28	174956	6248.43	13811	493.25	7.89%	103680.0	3702.9	10605.0	378.8	10.23%	-6570.0	17839.0	71276.0	2545.6
March	31	223183	7199.45	15572	502.32	6.98%	113560.0	3663.2	10785.0	347.9	9.50%	-4500.0	-8182.0	109623.0	3536.2
April	30	256759	8558.63	15613	520.43	6.08%	108330.0	3611.0	10785.0	359.5	9.96%	1590.0	2888.0	148429.0	4947.6
May	31	228551	7372.61	14312	461.68	6.26%		0.0		0.0	#DIV/0!	-118580.0	18298.0	228551.0	7372.6
June	30		0.00		0.00	#DIV/0!		0.0		0.0	#DIV/0!	-120190.0	-274216.0	0.0	0.0
July	31		0.00		0.00	#DIV/0!		0.0		0.0	#DIV/0!	-126030.0	-252416.0	0.0	0.0
August	31		0.00		0.00	#DIV/0!		0.0		0.0	#DIV/0!	-137500.0	-190658.0	0.0	0.0
September	30		0.00		0.00	#DIV/0!		0.0		0.0	#DIV/0!	-104260.0	-180285.0	0.0	0.0
October	31		0.00		0.00	#DIV/0!		0.0		0.0	#DIV/0!	-103050.0	-181205.0	0.0	0.0
November	30		0.00		0.00	#DIV/0!		0.0		0.0	#DIV/0!	-96940.0	-169075.0	0.0	0.0
December	31		0.00		0.00	#DIV/0!		0.0		0.0	#DIV/0!	-108030.0	-187407.0	0.0	0.0
Total	365	1058194		72419			440120.0		42780			-927620.0	-1406384.0	618074.0	1693.4
Monthly Average												-77301.7	-117198.7	51506.2	1695.3
daily Average															