

**September 2018**

**Monthly Summary Report  
Water Systems**

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

**Dated: October 16, 2018**

## 1) **Introduction:**

This report contains the major maintenance activities and operational events that occurred during the month of August 2018 at the Water Treatment Plant - Water Works # 220000978 and the Airport Groundwater Well Water Works No. 849N7DGE0 (Precedes Airport Groundwater Well Water Works No. 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.

A NEW drinking water system at the Airport was put into service August 01, 2017. The system is classified as a Small Drinking Water System, System No. 849N7DGE0 which falls under the requirements of Ontario Regulation 319/08 – Small Drinking Water Systems. The old drinking water system, Airport Groundwater Well Water Works # 26002736 has been decommissioned.

## 2) **Flow Data:**

Water Treatment Plant: See attached spreadsheet.

Airport Groundwater Well :

Estimated Daily Usage     0.198 m3

Estimated August Usage    6.1 m3

## 3) **Microbiological (Health Related) Water Analysis - Main Water System No. 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. 1111 First St. E.  | 2. 1104 Church St     | 3. 901 Wright Ave.  | 4. W. Tower  |
| 5. 740 Scott St.      | 6. 1036 Victoria Ave. | 7. 901 Wright Ave.  | 8. W. Tower  |
| 9. 740 Scott St.      | 10. 320 Portage Ave.  | 11. 901 Wright Ave. | 12. W. Tower |
| 13. 1111 First St. E. | 14. 1104 Church St.   | 15. 740 Scott St.   | 16. W. Tower |

**4) Microbiological (Health Related) Water Analysis - Airport Groundwater Well No. 849N7DGE0:**

New drinking water system put on line August 01, 2017. No treatment required as the Airport groundwater tested negative for bacteria.

The Airport drinking water system is to be sampled and tested for bacteria once every three (3) months in accordance with Section 25 – Microbiological Sampling and Testing of the Small Drinking Water Systems Regulation, O. Reg. 319/08.

Water distribution sample taken April 10, 2018 – no adverse results.

**5) Free Available Chlorine Residual (FAC) - Main Water System No. 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 No. 849N7DGE0:**

New drinking water system put on line August 01, 2017. No treatment required as the Airport groundwater well tested negative for bacteria.

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

Sept 6<sup>th</sup> - calibrated distribution chlorine analyzer  
Took grab samples off the filters

Sept 7<sup>th</sup> - cleaned all 4 check valves on the poly unit  
Cleaned top and bottom tanks on the poly unit

Sept 25<sup>th</sup> - annual load test done on generator

Sept 26<sup>th</sup> - greased clarifier chains and gears and bearings  
Calibrated distribution chlorine analyzer  
Took grab samples off the filters

Sept 27<sup>th</sup> - Lakeside Controls here doing computer upgrade

Sept 28<sup>th</sup> - cleaned top and bottom tanks on the poly unit  
Cleaned all 4 check valves on the poly unit  
Lakeside Controls here doing computer upgrade

8) **Water Complaints:**

- Poor Pressure – 0 complaints.
- Water quality – 0 complaints.

9) **Other Miscellaneous Information:**

Sept 4<sup>th</sup> - routine micro sample collection  
Water main repair samples – 500 Nelson – 1<sup>st</sup> set

Sept 8<sup>th</sup> - water main repair samples – 500 Nelson – 2<sup>nd</sup> set

Sept 10<sup>th</sup> - took quarterly samples at the Plant and Tower  
Took T.S.S. samples off filter #4  
Took micro samples at Sunny Cove  
Routine micro sample collection

Sept 11<sup>th</sup> - water main tie ins – 1<sup>st</sup> set

Sept 12<sup>th</sup> - water main tie ins – 2<sup>nd</sup> set

Sept 17<sup>th</sup> - took Landfill Site Well Samples  
Routine micro sample collection

Sept 19<sup>th</sup> - lead sampling program

Sept 24<sup>th</sup> - routine micro sample collection  
Service repair sample

Sept 25<sup>th</sup> - lead sampling program

Sept 26<sup>th</sup> - lead sampling program  
New main and temp main samples – 1<sup>st</sup> set

Sept 27<sup>th</sup> - lead sampling program  
New main samples – 2<sup>nd</sup> 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: \_\_\_\_\_
- Craig Miller, Environmental Superintendent: \_\_\_\_\_
- 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.