

January 2021

**Monthly Summary Report
Water Systems**

**Prepared by: Jeff St. Pierre, ORO
Senior Water Treatment Plant Operator**

Dated: February 04, 2021

1) **Introduction:**

This report contains the major maintenance activities and operational events that occurred during the month of January 2021 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. The water treatment plant falls under the requirements of Ontario Regulation 170/03 – Drinking Water Systems.

The Airport Small Drinking Water System, System No. 849N7DGE0, was put into service August 01, 2017. The system falls under the requirements of Ontario Regulation 319/08 – Small Drinking Water Systems.

2) **Flow Data:**

Water Treatment Plant: See attached spreadsheet.

Airport Groundwater Well:

Estimated Daily Usage	0.21 m3
Estimated Monthly Usage	6.5 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: 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. 943 3 rd St. East	2. 1309 King's Hwy.	3. 900 Wright Ave.	4. W. Tower
5. 943 Third St. E.	6. 1330 Woodward St.	7. 320 Portage Ave.	8. W. Tower
9. 1017 Cornwall Ave.	10. 1329 King's Hwy.	11. 401 King's Hwy.	12. W. Tower
13. 218 3 rd St West	14. 900 Wright Ave.	15. 401 King's Hwy.	16. W. Tower

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

New drinking water system put online 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 December 21, 2020 – 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 online August 01, 2017. No treatment required as the Airport groundwater well tested negative for bacteria.

7) Maintenance Activities at the WTP:

- Jan 5th -cleaned troughs on clarifier #2.
 -cleaned flumes on filters.
 -greased soda ash bucket elevator & auger.
- Jan 7th -cleaned all 4 check valves on the poly unit.
 -cleaned top and bottom tanks on the poly unit.
 -flushed settled sample pump line.
- Jan 11th -calibrated fluoride analyzer.
 -calibrated cl₂ analyzer.
- Jan 12th -cleaned and inspected clarifier #2
- Jan 14th -cleaned all 4 check valves on the poly unit.
 -cleaned top and bottom tanks on the poly unit.
 -put clarifier #2 back online.
- Jan 19th - received a load of Alum.
- Jan 21st -cleaned all 4 check valves on the poly unit.
 -cleaned top and bottom tanks on the poly unit.

Jan 28th -cleaned all 4 check valves on the poly unit.
-cleaned top and bottom tanks on the poly unit.

8) **Water Complaints:**

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

9) **Other Miscellaneous Information:**

Jan 4TH -routine micro sample collection.

Jan 5th -took service samples at 740 Scott St. & 504 Church St.

Jan 11th -routine micro sample collection.

Jan 13th -took samples for fourth St. W. watermain repair. 1st set.

Jan 14th -took samples for fourth St. W. watermain repair. 2nd set.

Jan 18th -routine micro sample collection.

Jan 20th -sent records electronically to M.E.C.P. for annual inspection.

Jan 25th -routine micro sample collection.

Jan 26th -ran the standby generator for 1 hr.

Jan. 27th -took grab samples off the filters,
-calibrated fluoride analyzer.

Jan. 28th -Pryde's Plumbing here working on boiler.

Jan. 29th -Pryde's Plumbing here working on boiler.

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:

- Jeff St. Pierre, ORO, Senior WTP Operator: _____
- Craig Miller, P.Eng. Environmental Superintendent: _____
- Travis Rob, P.Eng. Manager of Operations & Facilities: _____
- Doug Brown, P.Eng CAO: _____
- Rick Wiedenhoeft, Chair O & F Exec Committee: _____
- June Caul, Mayor: _____
- John McTaggart, Councillor: _____
- Mike Behan, Councillor: _____
- Wendy Brunetta, Councillor: _____
- Doug Judson, Councillor: _____
- Andrew Hallikas, 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 Jeff St. Pierre, Senior WTP Operator at 1 (705) 943-5578.