

March 02, 2021

Report To: Mayor & Council

From: Travis Rob, P.Eng., Manager of Operations & Facilities

SUBJECT: February 2021 Drinking Water Systems Monthly Summary Report

Please find attached the February 2021 Summary Report on the drinking water systems, prepared by Greg Wiedenhoeft, WTP Operator-in-Charge.

Your Administration recommends that Operations & Facilities Executive Committee accept the February 2021 report as presented.

Respectfully submitted,
Operations & Facilities Division

Travis Rob

Travis Rob, P.Eng.
Manager of Operations & Facilities

Council approval of this report will accept the February 2021 report prior to it being made available to the general public.

cc – Craig Miller, P.Eng., Environmental Superintendent
Greg Wiedenhoeft, WTP Operator-in-Charge

February 2021

**Monthly Summary Report
Water Systems**

**Prepared By: Greg Wiedenhoef
WTP Operator-in-Charge**

Dated: March 02, 2021

1) **Introduction:**

This report contains the major maintenance activities and operational events that occurred during the month of February 2021 at the Water Treatment Plant - Water Works # 220000978 and the Airport Groundwater Well Water Works No. 849N7DGE0. 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 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 5.9 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. 943 3 rd St. E. | 2. 1309 Kings Hwy. | 3. 1330 Woodward St. | 4. W. Tower |
| 5. 900 Wright Ave. | 6. 218 3 rd St. E. | 7. 401 Kings Hwy. | 8. W. Tower |
| 9. 715 Col Rd. E | 10. 740 6 th St. W. | 11. 1309 Kings Hwy. | 12. W. Tower |
| 13. 943 3 rd St. E. | 14. 1330 Woodward St. | 15. 218 3 rd St. E. | 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:

Feb. 03rd -Changed Soda Ash dust collector filters.

Feb. 04th -Cleaned all 4 check valves on the poly unit.
-Cleaned top and bottom tanks on the poly unit.
-Cleaned poly unit drain line.

Feb. 08th -Calibrated Distribution Cl2 analyzer.

Feb. 11th - Cleaned top and bottom of tanks on the poly unit.
-Cleaned all 4 check valves on the poly unit.

Feb. 17th -Calibrated Distribution Cl2 analyzer.

Feb. 18th -Flushed settled sample pump line.
- Cleaned top and bottom of tanks on the poly unit.
-Cleaned all 4 check valves on the poly unit.

Feb. 19th -Changed West chlorine tank.

Feb. 23rd -Calibrated Fluoride analyzer.

Feb. 24th - Changed East chlorine tank.

Feb 25th -Cleaned top and bottom of tanks on the poly unit
-Cleaned all 4 check valves on the poly unit

Feb. 26th -Ran standby generator for 1 hour.
-Took grab samples off the filters.
-Cleaned soda ash auger.

8) Water Complaints:

- Poor Pressure – 0 complaint.
- Water quality – 2 complaints.
- 244 2nd St. E. **High chlorine** (took sample and the numbers were normal)
- 320 Portage Ave. **Request from workers at Fire Department for a water test at kitchen sink** (took two samples and both came back good)

9) Other Miscellaneous Information:

Feb. 01st -Routine micro sample collection.

Feb. 08th -Routine micro sample collection.

Feb. 09th -Added eight liters of antifreeze to the generator.
-Ran standby generator for 5 min.
-Jamie Davis here to repair hot water line in boiler room.

Feb.10th -MECP inspector on site for annual inspection
-Service repair sample at 428 Victoria Ave.

Feb.16th -Routine micro sample collection.
-Training for all W.T.P. staff. (Mandatory Certificate Renewal Course)

Feb. 17th -Training course WTP staff. (Mandatory Certificate Renewal Course).

Feb. 22nd -Routine micro sample collection.
-Service sample at 320 Portage Ave. (water quality complaint)

Feb. 24th -Routine micro sample collection.
-2020 Annual Report submitted to MECP by C.Miller
-2019 Annual Report revised to include adverse water sample and resubmitted to MECP by C.Miller

Feb 25th -Large Water users report submitted to MECP by C.Miller
-Annual daily water taking report submitted to MECP by C.Miller

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:

- Greg Wiedenhoeft, Operator-in-Charge: Greg Wiedenhoeft
- Jeff St. Pierre, Overall Responsible Operator: Jeff St Pierre
- Craig Miller, P.Eng. Environmental Superintendent: Craig Miller
- Travis Rob, P.Eng. Manager of Operations & Facilities: Travis Rob
- 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.

Signature: Greg Wiedenhoeft
Greg Wiedenhoeft (Mar 9, 2021 11:12 CST)
Email: gwiedenhoeft@fortfrances.ca

Signature: Jeff St Pierre
Jeff St Pierre (Mar 9, 2021 19:57 EST)
Email: jst.pierre@ocwa.com

Signature: Craig Miller
Email: cmiller@fortfrances.ca

Signature: Travis Rob
Email: trob@fortfrances.ca












02 2021 WTP Monthly Report

Final Audit Report

2021-03-10

Created:	2021-03-09
By:	Craig Miller (cmiller@fortfrances.ca)
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