



1st Quarter 2021 Drinking Water Quality Management Standard Report to Members of Council

The purpose of this report is to summarize the activities of the Roads and Public Works Department (water distribution system) for the period of January 1st, 2021 through March 31st, 2021.

Operational Plan Revisions

The following Operational Plan Revisions were completed during this Quarter.

Element 2 – added to state a commitment to comply with applicable legislation.

Appendix B: section 2.0 - added - Considers potential hazardous events and associated hazards, as identified in the Ministry of the Environment and Climate Change document titled Potential Hazardous Events for Municipal Residential Drinking Water Systems, dated February 2017 as it may be amended.

Appendix B – section 5.7 – removed on an annual basis and replaced with every Calendar Year.

Appendix B – Table 2A – replaced in its entirety.

Appendix G – section 2.0 – added - Ensures that the adequacy of the infrastructure necessary to operate and maintain the Subject System is reviewed at least once every Calendar Year.

Element 21 – added - The Operating Authority shall develop a procedure for tracking and measuring continual improvement of its Quality Management System by:

- a) reviewing and considering applicable best management practices, including any published by the Ministry of the Environment and Climate Change and available on www.ontario.ca/drinkingwater, at least once every thirty-six months;
- b) documenting a process for identification and management of Quality Management System Corrective Actions that includes:
 - i. investigating the cause(s) of an identified non-conformity,
 - ii. documenting the action(s) that will be taken to correct the nonconformity and prevent the non-conformity from re-occurring, and
 - iii. reviewing the action(s) taken to correct the non-conformity, verifying that they are implemented and are effective in correcting and preventing the re-occurrence of the nonconformity.
- c) documenting a process for identifying and implementing Preventive Actions to eliminate the occurrence of potential non-conformities in the Quality Management System that includes:
 - i. reviewing potential non-conformities that are identified to determine if preventive actions may be necessary,
 - ii. documenting the outcome of the review, including the action(s), if any, that will be taken to prevent a non-conformity from occurring, and
 - iii. reviewing the action(s) taken to prevent a non-conformity, verifying that they are implemented and are effective in preventing the occurrence of the non-conformity.

DO – The Operating Authority shall strive to continually improve the effectiveness of its Quality Management System by implementing and conforming to the procedure.

Internal Audits

There were no Internal Audits during this Quarter.

External Audits

The Municipality's DWQMS Certification Surveillance System Audit of the Municipality's QMS-Operational Plan (OAP-178) was completed. The process included an off-site audit on February 25, 2021 and a virtual on-site audit is scheduled in Q2. The Municipality was provided its Audit Report for the off-site audit on March 6, 2021 indicating conformance with our drinking water system.

Status of License

The Municipality's Municipal Drinking Water License (MDWL) – Issue #3 expires on July 19, 2021. The Municipality completed and submitted the MDWL application for draft review to the Ministry of Environment, Conservation, and Parks. The Drinking Water Works Permit (DWWP) – Issue #4 expires on August 31, 2027.

Drinking Water Quality

Customer Service Inquiries

During the first Quarter of 2021, 4 (four) inquiries received relating to water supply and/or qualities are summarized as follows:

- Frozen service – 1
- No water – 2
- Water quality – 1

Adverse Water Quality Incidents

There were no reportable adverse quality incidents in the first Quarter (per Ontario Regulation 170/03).

Management Review

The next Management Review is not scheduled until the fourth Quarter of 2021.

Operational Activities

The following activities have been initiated or completed during the first Quarter:

- January 26/21 – water main repair – Almonte Street
- January 31/21 – water service request – Main Street
- February 2/21 – water main repair – Almonte Street
- February 13/21 – frozen service – Shepherd Street
- February 17&18/21 – hydrant repair – Reaume Street
- February 20/21 – water main repair – Almonte Street

- February 25/19 – SAI Global External Audit
- February 26/21 – water main repair – Little Bridge Street
- March 9/21 – water connection – Antler Court
- March 29/21 – water connection – Antler Court
- Leak detection activities ongoing
- Meter reading
- Water main flushing ongoing
- Water meter change-outs ongoing

Water Production Statistics

- Refer to attached Graph / Table.

Upcoming Events / Activities

April

Construction Mill Run, Riverfront, White Tail Ridge
 Service Repairs
 Training
 Watermain flushing – Almonte Ward
 Water Meter Reading
 Water storage construction

May

Construction Mill Run, Riverfront, White Tail Ridge
 Training
 Watermain flushing – Almonte Ward
 Water storage construction

June

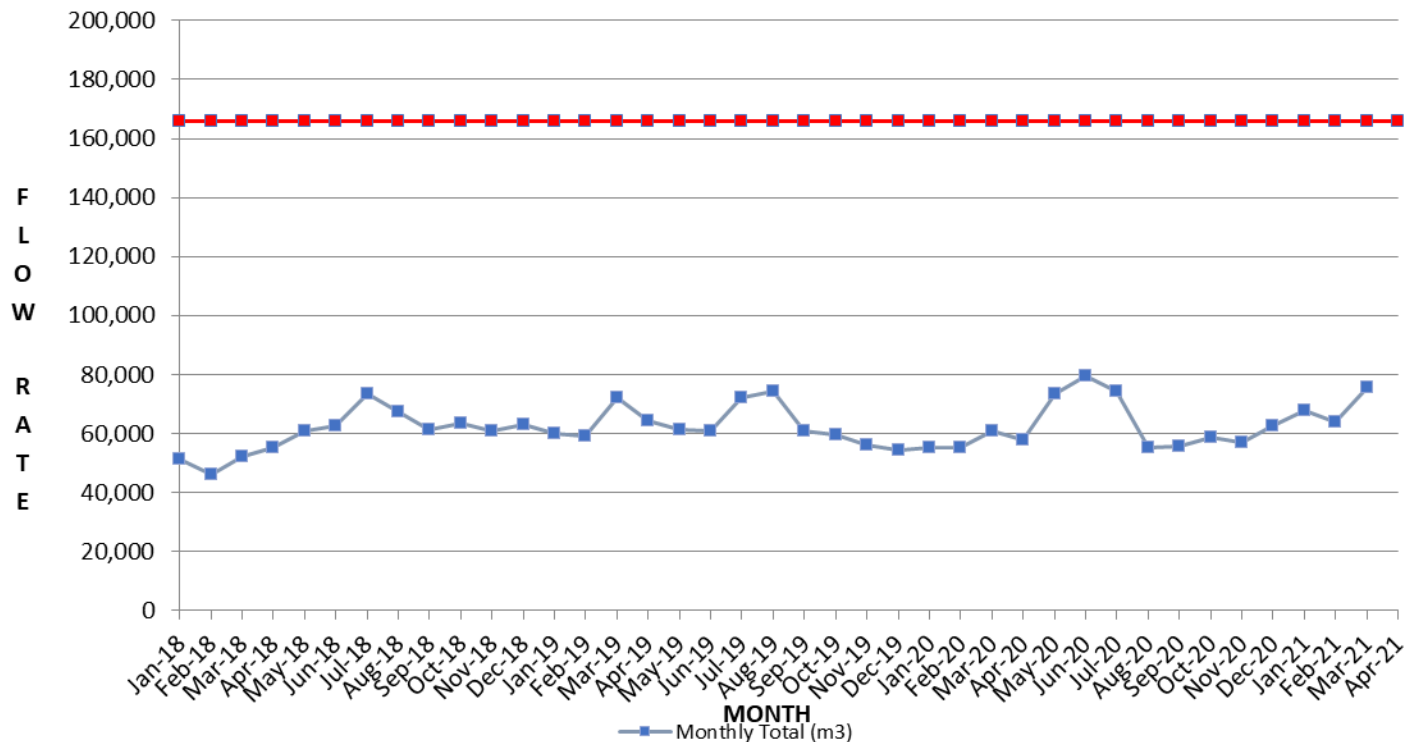
Annual Equipment Calibrations
 Construction Mill Run, Riverfront, White Tail Ridge
 Spring Hydrant Flushing Program
 Training
 Watermain flushing – Almonte Ward
 Water Meter Reading
 Water storage construction
 Valve Turning Programs

Cc: All Licensed Waterworks Staff



Mississippi
Mills

WTP Treated Water Trending



Mississippi
Mills

WATER TREATMENT PRODUCTION (2021 YEAR TO DATE Q1)

Month/Year	Well 3 Monthly Total (m3)	Well 5 Monthly Total (m3)	Well 6 Monthly Total (m3)	Well 7 Monthly Total (m3)	Well 8 Monthly Total (m3)	Monthly Total (m3)	Operating Limit (m3)
Jan-21	5.04	6344.86	7765.45	26868.61	26637.2	67621.11	165826.8
Feb-21	2553.89	5693.44	7777.53	24164.17	23689.6	63878.66	165826.8
Mar-21	6045.46	5449.25	8774.23	27954.05	27424.7	75647.66	165826.8
Apr-21							165826.8
May-21							165826.8
Jun-21							165826.8
Jul-21							165826.8
Aug-21							165826.8
Sep-21							165826.8
Oct-21							165826.8
Nov-21							165826.8
Dec-21							165826.8

