

2021 3rd Quarter DWQMS Report to Council

The purpose of this report is to summarize for Town Council the activities of the Public Works – **Water Distribution System** for the period of July 2021 through September 2021.

Operational Plan Revisions

There have been no revisions to the Operational Plan during this quarter.

Drinking Water Quality

To date in 2021 there has been 34 calls by residents concerning water quality. They are summarized as follows:

3 – Taste / Odour

4 – Visual

22 - Noise / Service Issues

3 – Other

2 – Watermain Breaks (Townline Road East & Miguel Street)

Operational Activities

From July through September the following activities were completed by the Waterworks Staff:

- Exercised main line valves throughout entire distribution system
- Provided oversight on activities with Louis Bray projects involving watermain replacements, connections, and temporary water service connections
- Provided oversight on AECON's construction projects including watermain extension and connections to watermains
- Performed our regular monthly hydrant flushing activities
- Painted fire hydrants yellow with corresponding fire flow colour coding
- Numerous new occupancy water activations within new developments
- Located and exposed the Edwards Street watermain in order to obtain an easement from the property owner.
- Repaired the service line for the Arena
- Repaired hydrant on Water Street
- Performed final inspections of valves within the Cardel and Jackson Ridge developments
- Oversaw the live tap connection to the watermain for the Inverness multi-residential building on Boyd Street
- Staff completed mandatory Ministry of Environment Conservation and Parks (MECP) drinking water license training
- January through September we have completed 1,290 locates

Consumption Statistics

Public Works and OCWA staff continuously monitor the flows at the water treatment plant to identify any trends within the distribution system. In the past, each summer system demand and the run times at the plant substantially increased which we have

attributed to lawn watering. At times the demand on the Water Treatment Plant reached dangerously high levels which potentially could have jeopardized the integrity of the system had there been an equipment malfunction or large fire. Despite efforts to actively enforce the Lawn Watering By-law in previous years and advising residents to conserve water, the issue continued as residents were reluctant to give up their lawn watering habits. This year the Public Works Department altered the Lawn Watering By-law to only permit lawn watering during evening hours for the month of July. Public Works & OCWA maintained a widget on the Town's website to inform residents of the status for the demand for potable water.

Statistics

June	7 days system demand exceeded 6000m ³ /day 3 days system demand exceeded 7000m ³ /day (Rainfall – 99.1mm)
July	0 days system demand exceeded 6000m ³ /day (Rainfall – 104.4mm)
August	19 days system demand exceeded 6000m ³ /day 1 day system demand exceeded 7000m ³ /day (Rainfall – 49mm)
September	0 days system demand exceeded 6000m ³ /day (Rainfall – 118.8mm)

Note: Rainfall amount reported by weatherstats.ca for Ottawa