



Staff Report

Report No.: PWE 049-2018
Meeting Date: September 12, 2018
Submitted by: Brian Lima, P.Eng. – Director, Public Works & Engineering
Subject: MECP Inspection – Middlesex Centre Water Distribution System

Recommendation:

THAT the MOECC Inspection – Middlesex Centre Distribution System report be received.

Purpose:

To inform Council of the Ontario Ministry of the Environment, Conservation and Parks' (MECP) inspection findings at the Middlesex Centre Distribution System.

Background:

Under the Safe Drinking Water Act, all municipal drinking water systems are inspected by a MECP Provincial Officer on an annual basis. The Officer requires pre and post information and data from the records collected in the facility and system. One in every three inspections is unannounced and a comprehensive report outlining the inspection findings is sent to the owner within 45 days of the inspection.

The Drinking Water System Inspection Report concludes with a list of actions required due to non-compliance with regulatory requirements along with a completion deadline. In addition, a list of recommended actions is also provided to address Best Management Practices.

Analysis:

The Middlesex Centre Distribution System had an announced inspection by a MECP Provincial Officer on July 19, 2018. During the inspection, the officer identified five non-compliance issue with regulatory requirements.

1. Two haloacetic acid samples for testing as prescribed by Ontario Regulation 170/03 – Schedule 13-6.1 was not conducted within the required frequency.

Municipality Departmental Administration Staff has created a sampling schedule to ensure the sample are obtained within the prescribed collection periods.

2. Two trihalomethane samples for testing as prescribed by Ontario Regulation 170/03 – Schedule 13-6 was not conducted within the required frequency. Municipality Departmental Administration Staff has created a sampling schedule to ensure the sample are obtained within the prescribed collection periods.
3. Schedule D of the Municipality's Municipal Drinking Water Licence # 052-101, Issue #4 prescribes requirements for collecting and testing lead samples from within the distribution system, and also within the plumbing of residential and non-residential buildings as per Schedule 15.1 of Ontario Regulation 170/03. Given the sampling that was completed during the inspection period, the requirement to collect and test 20 samples from the plumbing of private residences due to a lack of volunteers was not complied with. Municipality Departmental Administration Staff will be seeking Ministry relief in 2019 for such sampling and testing requirement.
4. During the inspection period sampling from a hydrant following a water distribution system repair was conducted out of due diligence and resulted in an adverse water quality incident. As part of the corrective action Departmental operations staff collected resamples 24 and 48 hours after the results were reported as prescribed by Ontario Regulation 170/03 – Schedule 17-5, however the resamples collected did not include an upstream and downstream location. Municipality Departmental Administration Staff has provided further training and updated the Municipality's Emergency Response Procedure.
5. At the time of the inspection, the system registration profile had not been fully updated in accordance with Ontario Regulation 170/03 – Section 10.1(3) within 10 days of the personnel change. Such profile has since then been further updated.

Financial Implications:

None.

Strategic Plans:

Middlesex Centre's 2012 - 2017 Strategic Plan, identified three applicable specific strategic themes as Increasing Customer Satisfaction, Streamline Key Processes, and Environmental Sustainability.