
TO: MAYOR J. LEHMAN AND MEMBERS OF GENERAL COMMITTEE

FROM: J.F. THOMPSON, P.ENG., CMM, PMP, DIRECTOR OF ENVIRONMENTAL SERVICES

**NOTED: RICHARD FORWARD, MBA, M.SC., P.ENG.
GENERAL MANAGER OF INFRASTRUCTURE AND GROWTH MANAGEMENT
C. LADD, CHIEF ADMINISTRATIVE OFFICER**

RE: WATER OPERATIONS BRANCH, 2016 ANNUAL INSPECTION AND AUDIT

DATE: MARCH 20TH, 2017

The purpose of this Memo is to inform General Committee of the City of Barrie's Environmental Services Department, Water Operations Branch Annual Inspection and Audit results:

- Ministry of Environment and Climate Change's (MOECC) 2016 Drinking Water System Annual Inspection; and
- External Audit - 2016 Accreditation Program for Water System Operating Authorities On-Site Verification.

2016 Drinking Water Inspection Report

On February 6th, 2017, the MOECC completed the City of Barrie Drinking Water System (the System) 2016 annual inspection (System #220001192). The primary focus of the inspection was to confirm compliance with MOECC legislation and control documents, as well as, to evaluate conformance with the MOECC drinking water related policies and guidelines during the inspection period of early November 2016 to mid-January 2017. The inspection process consisted of the following events:

- Desk Review – numerous exchanges of electronic correspondence during the above mentioned inspection period;
- Documents Review – review of documents, procedures and administrative processes supporting the administration of the System;
- Physical inspection of a variety of groundwater supply, treatment and distribution system components on January 6th, 2017; and
- Physical inspection of the Surface Water Treatment Plant and associated low lift pumping station on January 12th, 2017.

The System is subject to the legislative requirements of the Safe Drinking Water Act (SDWA) and regulations. The System was selected for a focused inspection because the System's performance met the MOECC's criteria with no deficiencies over the previous three (3) years. The focused inspection contains critical elements required to assess key compliance aspects and typically involves fewer activities than those normally undertaken in a detailed inspection.

The inspection confirmed that the System supplied, treated and distributed drinking water in accordance with the: Safe Drinking Water Act and associated Regulations; Municipal Drinking Water License #014-01, dated October 21st, 2014; Drinking Water Works Permit #014-201, dated October 16th, 2014; and Permit to Take Water #5183-8EZKMA, dated May 18th, 2011.

In accordance with Ontario Regulation 170/03 and Ontario Regulation 903/90, one (1) non-compliance was identified during the inspection period. During the physical inspection, it was noted that the well vent at Well 5 (John Street) was un-screened and appeared to have corroded away from the pump mount plate. Upon notification, Water Operations Branch staff immediately effected the repair. Consequently, the System achieved a final inspection summary rating of 97.45%. The rating will be published in the next MOECC's Chief Drinking Water Inspector's Annual Report.

External Audit - 2016 Accreditation Program for Operating Authorities On-Site Verification

The off-site systems audit (Audit) report dated December 6th, 2016, was completed by SAI Global Assurance Services (SAI), our external auditor accredited by the MOECC. The objective of the Audit was twofold: to determine whether the City of Barrie's Quality Management System (QMS) conforms to the requirements of the MOECC's Drinking Water Quality Management Standard (DWQMS); and to ensure all necessary information was available to assess whether accreditation can be maintained to the Operating Authority (City of Barrie) as outlined in the Safe Drinking Water Act. The scope of the Audit included the review of sections of the Operational Plan and associated documents of the DWQMS.

The Audit was conducted on December 6th, 2016 and confirmed that overall, the City of Barrie's QMS is considered effective. No non-conformities were identified during the Audit and no open corrective action requests from previous audits were identified. In summary, as a result of the City of Barrie's QMS having been effectively implemented and maintained, SAI recommended the maintenance of existing accreditation with the MOECC.