The 2019 Annual Drinking Water Quality Report:
South Halton Drinking Water System – Bridgeview Community Distribution System

February 2020
Introduction

Halton is committed to providing safe drinking water to all of our customers. As mandated by the *Safe Drinking Water Act, 2002*, this annual Water Quality Report includes:

- a description of the water treatment process and chemicals used;
- any major expenses to install, repair or upgrade equipment in the system; and,
- the results of our water tests and how they compare to provincial regulatory standards.

All provincial regulatory monitoring requirements and actions applicable to Halton’s operation of this system were met or surpassed in the current reporting year.

Bridgeview Distribution System

**Drinking Water System Number: 260068419**

The Bridgeview distribution system is located at the west end of the City of Burlington, but it is not connected to the South Halton water distribution system. Drinking water is supplied by the City of Hamilton through a connection on Plains Road. There are approximately seventy homes and businesses in the Bridgeview community and the system is registered as a small residential drinking-water system.

The City of Hamilton website at [www.hamilton.ca](http://www.hamilton.ca) provides information regarding the treatment and quality of the treated water from the Woodward Avenue Water Treatment Plant. The City of Hamilton uses chloramination (a combination of chlorine and ammonia) for secondary disinfection in its drinking-water system. Therefore, the water in the Bridgeview distribution system contains a combined chlorine residual.

What Improvements Are We Making?

No major capital expenses were incurred in the current reporting year. Halton continues to support the production and delivery of high quality, safe drinking water through water sampling and monitoring above the provincial requirements, upgrades to the SCADA monitoring and infrastructure management systems, an update of the Water Master Plan and water efficiency programs. Work also continued on the Drinking Water Quality Management System, a provincial requirement to support the licensing of municipal drinking water systems which came into effect for Halton in January 2009.

Water Quality Testing

A large number of water quality tests are performed each and every day, in accordance with the *Safe Drinking Water Act, 2002* and regulations. The following sections provide a summary of the test results.

**Terms**

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CFU/100 mL</td>
<td>Colony-forming units per 100 millilitres of water</td>
</tr>
<tr>
<td>µg/L</td>
<td>micrograms per litre</td>
</tr>
<tr>
<td>mg/L</td>
<td>milligrams per litre</td>
</tr>
<tr>
<td>Standard</td>
<td>Ontario Drinking Water Quality Standard, O.Reg. 169/03</td>
</tr>
</tbody>
</table>
Microbiological Testing

<table>
<thead>
<tr>
<th>Distribution</th>
<th>Number of Samples</th>
<th>E. coli Results (min -max)</th>
<th>Total Coliform Results (min -max)</th>
<th>Number of HPC Samples</th>
<th>HPC Results (min - max)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>107</td>
<td>0 - Absent</td>
<td>0 - Absent</td>
<td>65</td>
<td>0 - 677</td>
</tr>
</tbody>
</table>

Microbiological standards for treated and distributed water:

*E.coli* not detected
Total Coliforms not detected
HPC

Heterotrophic Plate Counts are conducted on some distribution system samples. The HPC test is used as a tool to monitor overall quality, but the results are not indicators of water safety. There is no Drinking Water Quality Standard for HPC.

Operational Testing

The chlorine residual in the distributed water is measured regularly by Halton operators. All of the readings are validated by an operator and are also reviewed by the MECP Inspector. ‘Adverse’ test results must be reported if the combined chlorine residual in the distribution system is <0.25 mg/L and the free chlorine residual is <0.05 mg/L. In the current reporting year, all of the chlorine test results were within the range required by regulation.

Chemical Testing

Inorganic Parameters

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Sample Date</th>
<th>Result Value</th>
<th>Unit of Measure</th>
<th>Standard</th>
<th>Exceedance of Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nitrite</td>
<td>11/11/19</td>
<td>&lt;0.02</td>
<td>mg/L</td>
<td>1.0</td>
<td>No</td>
</tr>
<tr>
<td>Nitrate</td>
<td>11/11/19</td>
<td>0.34</td>
<td>mg/L</td>
<td>10.0</td>
<td>No</td>
</tr>
</tbody>
</table>

Organic Parameters

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Sample Date</th>
<th>Result Value</th>
<th>Unit of Measure</th>
<th>Standard</th>
<th>Exceedance of Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>THMs (latest running annual average)</td>
<td>11/11/19</td>
<td>19.3</td>
<td>μg/L</td>
<td>100 (running annual average)</td>
<td>No</td>
</tr>
</tbody>
</table>

No additional testing was required by a Municipal Drinking Water License, order or other legal instrument.

‘Adverse’ Results Notifications

Notices of ‘adverse’ water quality results are submitted in accordance with the Safe Drinking Water Act, 2002 to the MECP and the Medical Officer of Health. In the current reporting year, there were no adverse water reports for the Bridgeview Drinking Water System.

Community-Wide Lead Sampling Program Results

Under the Community-Wide Lead Sampling Program, two sets of samples were collected in the current reporting year. None of the samples contained concentrations of lead above the standard of 10 μg/L.
More Information or Questions

The related annual drinking water Flow Summary Report is published on or before March 31 each year on halton.ca.

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