



OPTIONAL ANNUAL REPORT TEMPLATE

|                                 |                                      |
|---------------------------------|--------------------------------------|
| Drinking-Water System Number:   | 260005138                            |
| Drinking-Water System Name:     | King City                            |
| Drinking-Water System Owner:    | Township of King                     |
| Drinking-Water System Category: | Large Municipal Residential          |
| Period being reported:          | January 1, 2017 to December 31, 2017 |

|  |   |
|--|---|
| <p><b><u>Complete if your Category is Large Municipal Residential or Small Municipal Residential</u></b></p> <p>Does your Drinking-Water System serve more than 10,000 people? Yes [ ] No [ x ]</p> <p>Is your annual report available to the public at no charge on a web site on the Internet? Yes [ x ] No [ ]</p> <p>Location where Summary Report required under O. Reg. 170/03 Schedule 22 will be available for inspection.</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p>Township of King<br/>2075 King Road<br/>King City, ON L7B 1A1</p> <p>www.king.ca</p> </div> | <p><b><u>Complete for all other Categories.</u></b></p> <p>Number of Designated Facilities served: <input type="text"/></p> <p>Did you provide a copy of your annual report to all Designated Facilities you serve? Yes [ ] No [ ]</p> <p>Number of Interested Authorities you report to: <input type="text"/></p> <p>Did you provide a copy of your annual report to all Interested Authorities you report to for each Designated Facility? Yes [ ] No [ ]</p> |
| <p><b>Note: For the following tables below, additional rows or columns may be added or an appendix may be attached to the report</b></p>   |   |

List all Drinking-Water Systems (if any), which receive all of their drinking water from your system:

| Drinking Water System Name | Drinking Water System Number |
|----------------------------|------------------------------|
|                            |                              |

Did you provide a copy of your annual report to all Drinking-Water System owners that are connected to you and to whom you provide all of its drinking water? Yes [ ] No [ x ]

Indicate how you notified system users that your annual report is available, and is free of charge.

[x] Public access/notice via the web



- Public access/notice via Government Office
- Public access/notice via a newspaper
- Public access/notice via Public Request
- Public access/notice via a Public Library
- Public access/notice via other method: Standard of Care Update Bulletin to Council

**Describe your Drinking-Water System**

**Distribution System Class 1**  
 Receives treated water from York Region Water System (Lake-Based Water).  
 Secondary disinfection is provided by chloramination and has been measured as combined chlorine residual (chloramines).

**List all water treatment chemicals used over this reporting period**

Refer to York Region Annual Report for the King City Water Supply System.

**Were any significant expenses incurred to?**

- Install required equipment
- Repair required equipment
- Replace required equipment

**Please provide a brief description and a breakdown of monetary expenses incurred**

|  |
|--|
| February 01, 2017-watermain break-Elizabeth Grove-large hole breach-\$6,500.00     |
| December 11, 2017-watermain break-Kingslynn Drive-circumferential break-\$7,500.00 |

**Provide details on the notices submitted in accordance with subsection 18(1) of the Safe Drinking-Water Act or section 16-4 of Schedule 16 of O.Reg.170/03 and reported to Spills Action Centre**

| Incident Date | Parameter       | Result  | Unit of Measure | Corrective Action   | Corrective Action Date   |
|---------------|-----------------|---------|-----------------|---|--|
| July 29, 2017 | Total Coliforms | Present | A-P             | Flush and resample upstream, downstream and at adverse location | August 17, 2017-there was a total of two adverse results-one original and one from the resample. All adverse results were resolved |
| August 22,    | Total Coliforms | Present | A-P             | Flush and resample  | August 25,   |



|      |  |  |  |  |   |
|------|--|--|--|--|---|
| 2017 |  |  |  | upstream, downstream and at adverse location | 2017-there was a total of three adverse results-one original and two from the resample. All adverse results were resolved |
|------|--|--|--|--|---|



Microbiological testing done under the Schedule 10, 11 or 12 of Regulation 170/03, during this reporting period

|              | Number of Samples | Range of E.Coli Or Fecal Results (min #)-(max #) | Range of Total Coliform Results (min #)-(max #) | Number of HPC Samples | Range of HPC Results (min #)-(max #) |
|--------------|-------------------|--|---|-----------------------|--------------------------------------|
| Raw          |                   |  |   |                       |                                      |
| Treated      |                   |  |   |                       |                                      |
| Distribution | 208               | Absent   | Present - Absent                                | 100                   | 0 - 30                               |

Operational testing done under Schedule 7, 8 or 9 of Regulation 170/03 during the period covered by this Annual Report

|   | Number of Grab Samples                            | Range of Results (min #)-(max #) |
|---|---|----------------------------------|
| Chloramine                                  | 364   | 1.17-1.90 (Combined)             |
| Fluoride (If the DWS provides fluoridation) | Refer to York Region Annual Report for King City. |                                  |

*NOTE: For continuous monitors use 8760 as the number of samples.*

**NOTE:** Record the unit of measure if it is **not** milligrams per litre.

Summary of additional testing and sampling carried out in accordance with the requirement of an approval, order or other legal instrument

| Date of legal instrument issued | Parameter | Date Sampled | Result | Unit of Measure |
|---------------------------------|-----------|--------------|--------|-----------------|
|                                 |           |              |        |                 |
|                                 |           |              |        |                 |

Summary of Inorganic parameters tested during this reporting period or the most recent sample results. **Township values reflect the latest sample. Refer to York Region's Annual Report, available on their website, for complete test results.**

| Parameter | Sample Date | Result Value | Unit of Measure | Exceedance |
|-----------|-------------|--------------|-----------------|------------|
| Antimony  |             |              |                 |            |
| Arsenic   |             |              |                 |            |
| Barium    |             |              |                 |            |
| Boron     |             |              |                 |            |
| Cadmium   |             |              |                 |            |



|          |                   |       |      |    |
|----------|-------------------|-------|------|----|
| Chromium |                   |       |      |    |
| *Lead    |                   |       |      |    |
| Mercury  |                   |       |      |    |
| Selenium |                   |       |      |    |
| Sodium   |                   |       |      |    |
| Uranium  |                   |       |      |    |
| Fluoride |                   |       |      |    |
| Nitrite  | November 27, 2017 | <0.05 | mg/L | No |
| Nitrate  | November 27, 2017 | <0.50 | mg/L | No |

\*only for drinking water systems testing under Schedule 15.2; this includes large municipal non-residential systems, small municipal non-residential systems, non-municipal seasonal residential systems, large non-municipal non-residential systems, and small non-municipal non-residential systems

**Summary of lead testing under Schedule 15.1 during this reporting period**

(applicable to the following drinking water systems; large municipal residential systems, small municipal residential systems, and non-municipal year-round residential systems)

| Location Type                                      | Number of Samples | Range of Lead Results - mg/L (min#) – (max #) | Number of Exceedances |
|--|-------------------|---|-----------------------|
| Plumbing   | 0                 | NA  | None                  |
| Distribution (Alkalinity and pH for both sessions) | 6                 | NA  | None                  |

**Note that all four of the Township Drinking Water Systems are subject to the “exemption” protocols**

Summary of Organic parameters sampled during this reporting period or the most recent sample results. **Township values an average of the sample results for the Report year. Refer to York Region’s Annual Report, available on their website, for complete test results.**

| Parameter                            | Sample Date | Result Value | Unit of Measure | Exceedance |
|--------------------------------------|-------------|--------------|-----------------|------------|
| Alachlor                             |             |              |                 |            |
| Aldicarb                             |             |              |                 |            |
| Aldrin + Dieldrin                    |             |              |                 |            |
| Atrazine + N-dealkylated metabolites |             |              |                 |            |
| Azinphos-methyl                      |             |              |                 |            |
| Bendiocarb                           |             |              |                 |            |
| Benzene                              |             |              |                 |            |
| Benzo(a)pyrene                       |             |              |                 |            |
| Bromoxynil                           |             |              |                 |            |
| Carbaryl                             |             |              |                 |            |
| Carbofuran                           |             |              |                 |            |
| Carbon Tetrachloride                 |             |              |                 |            |
| Chlordane (Total)                    |             |              |                 |            |



|  |   |       |      |      |
|--|---|-------|------|------|
| Chlorpyrifos   |   |       |      |      |
| Cyanazine  |   |       |      |      |
| Diazinon   |   |       |      |      |
| Dicamba  |   |       |      |      |
| 1,2-Dichlorobenzene                                    |   |       |      |      |
| 1,4-Dichlorobenzene                                    |   |       |      |      |
| Dichlorodiphenyltrichloroethane (DDT)<br>+ metabolites |   |       |      |      |
| 1,2-Dichloroethane                                     |   |       |      |      |
| 1,1-Dichloroethylene<br>(vinylidene chloride)          |   |       |      |      |
| Dichloromethane  |   |       |      |      |
| 2,4 Dichlorophenol                                     |   |       |      |      |
| 2,4-Dichlorophenoxy acetic acid (2,4-D)                |   |       |      |      |
| Diclofop-methyl  |   |       |      |      |
| Dimethoate   |   |       |      |      |
| Dinoseb  |   |       |      |      |
| Diquat   |   |       |      |      |
| Diuron   |   |       |      |      |
| Glyphosate   |   |       |      |      |
| Haloacetic Acid (HAA)                                  | Mar. 13<br>May 29<br>Aug. 28<br>Nov. 27 | <20   | µg/L | None |
| Heptachlor + Heptachlor Epoxide                        |   |       |      |      |
| Lindane (Total)  |   |       |      |      |
| Malathion  |   |       |      |      |
| Methoxychlor   |   |       |      |      |
| Metolachlor  |   |       |      |      |
| Metribuzin   |   |       |      |      |
| Monochlorobenzene                                      |   |       |      |      |
| Paraquat   |   |       |      |      |
| Parathion  |   |       |      |      |
| Pentachlorophenol                                      |   |       |      |      |
| Phorate  |   |       |      |      |
| Picloram   |   |       |      |      |
| Polychlorinated Biphenyls(PCB)                         |   |       |      |      |
| Prometryne   |   |       |      |      |
| Simazine   |   |       |      |      |
| THM<br>(NOTE: show latest annual average)              | Mar. 13<br>May 29<br>Aug. 28<br>Nov. 27 | 20.85 | µg/L | None |
| Temephos   |   |       |      |      |
| Terbufos   |   |       |      |      |
| Tetrachloroethylene                                    |   |       |      |      |
| 2,3,4,6-Tetrachlorophenol                              |   |       |      |      |
| Triallate  |   |       |      |      |



|   |  |  |  |  |
|---|--|--|--|--|
| Trichloroethylene                               |  |  |  |  |
| 2,4,6-Trichlorophenol                           |  |  |  |  |
| 2,4,5-Trichlorophenoxy acetic acid<br>(2,4,5-T) |  |  |  |  |
| Trifluralin                                     |  |  |  |  |
| Vinyl Chloride                                  |  |  |  |  |

List any Inorganic or Organic parameter(s) that exceeded half the standard prescribed in Schedule 2 of Ontario Drinking Water Quality Standards

| Parameter | Result Value | Unit of Measure | Date of Sample |
|-----------|--------------|-----------------|----------------|
|           |              |                 |                |