Ontario Drinking-Water Systems Regulation O. Reg. 170/03

System Information and Reporting Period:

Drinking-Water System Number:	260001747
Drinking-Water System Name:	Holland-Queensville-Sharon Water Distribution System
Drinking-Water System Owner:	The Town of East Gwillimbury
Drinking-Water System Category:	Distribution
Period being reported:	January 01, 2023 to December 31, 2023

General Information:

Complete if your Category is Large Municipal Residential or Small Municipal Residential

Does your Drinking-Water System serve more than 10,000 people? Yes [X] No [ ]

Is your annual report available to the public at no charge on a website on the Internet?
Yes [X] No [ ]

Location where Summary Report required under O. Reg. 170/03 Schedule 22 will be available for inspection.

East Gwillimbury Operations Centre
19850 Woodbine Ave, Queensville, ON
L0G 1R0

www.eastgwillimbury.ca/en/municipal-services/drinking-water-annual-reports.aspx

Complete for all other Categories.

Number of Designated Facilities served:

Did you provide a copy of your annual report to all Designated Facilities you serve?
Yes [ ] No [ ]

Number of Interested Authorities you report to:

Did you provide a copy of your annual report to all Interested Authorities you report to for each Designated Facility?
Yes [ ] No [ ]

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

Drinking Water System Name	Drinking Water System Number
119 Peter Street Condominium Distribution System	260095485

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 [X] No [ ]

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

- [X] Public access/notice via the web
- [X] Public access/notice via Government Office
- [ ] Public access/notice via a newspaper
- [X] Public access/notice via Public Request
- [ ] Public access/notice via a Public Library
- [ ] Public access/notice via other method _____

Description of Drinking-Water System:

The "Holland Landing/ Queensville/ Sharon" Water Distribution System services 4 distinct areas:

1. Community of Holland Landing
2. Community of Sharon
3. Community of Queensville
4. Bales Drive Industrial Area

At the end of 2023, the system serviced 7,802 water accounts or approximately 24,966 persons. The communities are joined via York Region owned and operated transmission mains.

The Holland Landing/ Queensville/ Sharon drinking water system is operated as a chloraminated drinking water system and receives groundwater from two (2) York Region wells in Holland Landing and four (4) York Region wells in Queensville. Additionally, York Region supplies this system with a blended source of both surface water from Lake Ontario and groundwater by way of Leslie Street and Woodbine Avenue.

The Town staff that operate and maintain the distribution system are certified and licensed by the Ontario Ministry of the Environment, Conservation and Parks (MECP). The Town specifically operates and maintains the watermains (except those owned by the Region), valves, hydrants, automatic flushing units and service connections to the end users.

List of all water treatment chemicals used over this reporting period:

No additional chemicals are added to treated waters received from York Region

Were any significant expenses incurred to?

- [ ] Install required equipment
- [ ] Repair required equipment
- [ ] Replace required equipment

Brief description and a breakdown of significant monetary expenses incurred:

N/A

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 Number	Incident Date	Parameter	Result	Corrective Actions	Resolution Date
161338	14-Feb-23	Chlorine	0.17mg/L	Flushed, re-sampled, restored chlorine residual to area.	14-Feb-23
161516	16-Mar-23	Chlorine	0.22mg/L	Flushed, re-sampled, restored chlorine residual to area.	16-Mar-23

161686	05-Apr-23	Chlorine	0.05mg/L	Flushed, re-sampled, restored chlorine residual to area.	05-Apr-23
162005	25-May-23	Chlorine	0.13mg/L	Flushed, re-sampled, restored chlorine residual to area.	25-May-23
162201	14-Jun-23	Chlorine	0.21mg/L	Flushed, re-sampled, restored chlorine residual to area.	14-Jun-23
162203	14-Jun-23	Chlorine	0.19mg/L	Flushed, re-sampled, restored chlorine residual to area.	14-Jun-23
162208	15-Jun-23	Chlorine	0.09mg/L	Flushed, re-sampled, restored chlorine residual to area.	15-Jun-23
162355	29-Jun-23	Chlorine	0.21mg/L	Flushed, re-sampled, restored chlorine residual to area.	29-Jun-23
162435	06-Jul-23	Chlorine	0.22mg/L	Flushed, re-sampled, restored chlorine residual to area.	06-Jul-23
163039	16-Aug-23	Chlorine	0.08mg/L	Flushed, re-sampled, restored chlorine residual to area.	16-Aug-23
163108	21-Aug-23	Chlorine	0.16mg/L	Flushed, re-sampled, restored chlorine residual to area.	21-Aug-23
163196	28-Aug-23	Chlorine	0.15mg/L	Flushed, re-sampled, restored chlorine residual to area.	28-Aug-23
163242	30-Aug-23	Chlorine	0.23mg/L	Flushed, re-sampled, restored chlorine residual to area.	30-Aug-23
163294	28-Aug-23 29-Aug-23	Sodium	21mg/L (2) (Resolution Results: 21.6 - 21.7mg/L)	Re-sampled and tested locations with exceedance.	15-Sep-23
163418	13-Sep-23	Chlorine	0.15mg/L	Flushed, re-sampled, restored chlorine residual to area.	13-Sep-23
163421	11-Sep-23	Total Coliforms	Present	Flushed, re-sampled, and tested location of exceedance as well as upstream and downstream locations.	15-Sep-23
163766	11-Oct-23	Chlorine	0.10mg/L	Flushed, re-sampled, restored chlorine residual to area.	11-Oct-23

163768	11-Oct-23	Chlorine	0.16mg/L	Flushed, re-sampled, restored chlorine residual to area.	11-Oct-23
163875	25-Oct-23	Chlorine	0.20mg/L	Flushed, re-sampled, restored chlorine residual to area.	25-Oct-23
163973	06-Nov-23	Chlorine	0.24mg/L	Flushed, re-sampled, restored chlorine residual to area.	06-Nov-23
164077	22-Nov-23	Chlorine	0.17mg/L	Flushed, re-sampled, restored chlorine residual to area.	22-Nov-23
164160	06-Dec-23	Chlorine	0.16mg/L	Flushed, re-sampled, restored chlorine residual to area.	06-Dec-23
164236	20-Dec-23	Chlorine	0.24mg/L	Flushed, re-sampled, restored chlorine residual to area.	20-Dec-23
164237	20-Dec-23	Chlorine	0.12mg/L	Flushed, re-sampled, restored chlorine residual to area.	20-Dec-23

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	N/A				
Treated	N/A				
Distribution	438	Absent	Absent – Present (1)	226	0 - 140 CFU/1mL

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 #)
Turbidity	N/A	
Chlorine	3676	*0.04mg/L - 2.17mg/L Combined
Fluoride (If the DWS provides fluoridation)	N/A	

*Detected in chlorine residual sampling, see incidents reported above under Schedule 16.

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
N/A				

Summary of Inorganic parameters tested during this reporting period or the most recent sample results:

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Antimony	N/A			
Arsenic	N/A			
Barium	N/A			
Boron	N/A			
Cadmium	N/A			
Chromium	N/A			
*Lead	N/A			
Mercury	N/A			
Selenium	N/A			
Sodium	28-Aug-23	16	mg/L	No
Sodium	28-Aug-23	21	mg/L	Yes
Sodium	28-Aug-23	20	mg/L	No
Sodium	29-Aug-23	21	mg/L	Yes
Sodium	06-Sep-23	21.7	mg/L	Yes
Sodium	06-Sep-23	21.6	mg/L	Yes
Uranium	N/A			
Fluoride	N/A			
Nitrite	N/A			
Nitrate	N/A			

*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-Round 1	Number of Samples-Round 2	Range of Lead Results (min#) – (max #) in mg/L	Number of Exceedances
Distribution System	4	4	<0.0005	0

Summary of Organic parameters sampled during this reporting period or the most recent sample results:

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Alachlor	N/A			
Aldicarb	N/A			
Aldrin + Dieldrin	N/A			
Atrazine + N-dealkylated metobolites	N/A			
Azinphos-methyl	N/A			
Bendiocarb	N/A			
Benzene	N/A			
Benzo(a)pyrene	N/A			
Bromoxynil	N/A			
Carbaryl	N/A			
Carbofuran	N/A			
Carbon Tetrachloride	N/A			
Chlordane (Total)	N/A			
Chlorpyrifos	N/A			
Cyanazine	N/A			
Diazinon	N/A			
Dicamba	N/A			
1,2-Dichlorobenzene	N/A			
1,4-Dichlorobenzene	N/A			
Dichlorodiphenyltrichloroethane (DDT) + metabolites	N/A			
1,2-Dichloroethane	N/A			
1,1-Dichloroethylene (vinylidene chloride)	N/A			
Dichloromethane	N/A			
2-4 Dichlorophenol	N/A			
2,4-Dichlorophenoxy acetic acid (2,4-D)	N/A			
Diclofop-methyl	N/A			
Dimethoate	N/A			
Dinoseb	N/A			
Diquat	N/A			
Diuron	N/A			
Glyphosate	N/A			
Heptachlor + Heptachlor Epoxide	N/A			
Lindane (Total)	N/A			
Malathion	N/A			
Methoxychlor	N/A			
Metolachlor	N/A			
Metribuzin	N/A			
Monochlorobenzene	N/A			

Nitrosodimethylamine (NDMA)	31-Jan-23	<0.0009	ug/L	No
Nitrosodimethylamine (NDMA)	24-Apr-23	<0.0009	ug/L	No
Nitrosodimethylamine (NDMA)	31-Jul-23	<0.0009	ug/L	No
Nitrosodimethylamine (NDMA)	30-Oct-23	0.0018	ug/L	No
Paraquat	N/A			
Parathion	N/A			
Pentachlorophenol	N/A			
Phorate	N/A			
Picloram	N/A			
Polychlorinated Biphenyls(PCB)	N/A			
Prometryne	N/A			
Simazine	N/A			
THM (Running Annual Average)	*Sampled quarterly: - 20-Mar-23 - 27-Jun-23 - 11-Sep-23 - 13-Nov-23	0.0169	mg/L	No
HAA (Running Annual Average)	*Sampled quarterly: - 16-Jan-23 - 17-Apr-23 - 17-Jul-23 - 23-Oct-23	0.0082	mg/L	No
Temephos	N/A			
Terbufos	N/A			
Tetrachloroethylene	N/A			
2,3,4,6-Tetrachlorophenol	N/A			
Triallate	N/A			
Trichloroethylene	N/A			
2,4,6-Trichlorophenol	N/A			
2,4,5-Trichlorophenoxy acetic acid (2,4,5-T)	N/A			
Trifluralin	N/A			
Vinyl Chloride	N/A			

List of 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
N/A			