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

Drinking-Water System Number:	260087685
Drinking-Water System Name:	Yonge/Green Lane Distribution System
Drinking-Water System Owner:	The Town of East Gwillimbury
Drinking-Water System Category:	Distribution
Period being reported:	January 01, 2024 to December 31, 2024

<u>Complete if your Category is Large Municipal Residential or Small Municipal Residential</u>

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

Is your annual report available to the public at no charge on a web site 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 Civic Centre 19000 Leslie St., Sharon, ON L0G 1V0

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

<u>Complete for all other Categories.</u>

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

Drinking Water System Name	Drinking Water System Number
N/A	N/A

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 [ ]

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 _____

Describe your Drinking-Water System

The "Yonge and Green Lane" Drinking Water System serves 3 distinct areas:

1. Harvest Hills Subdivision
2. Fieldgate/ Lowes Commercial Site
3. Fetlar Commercial Complex

The system has 648 accounts 2074 persons at the end of 2024.

The water sources for the Yonge/ Green Lane Drinking Water System include groundwater wells in Newmarket and Aurora, and Lake Ontario surface water.

All the groundwater wells are owned and operated by York Region. York Region sources treated Lake Ontario based surface water is treated and supplied by the City of Toronto and the Region of Peel.

The Town staff that operate and maintain the distribution system are licensed and certified by the Ontario Ministry of the Environment. The Town is responsible for the operation and maintenance of the watermains (excepting the Region owned watermains), valves, hydrants, automatic flushing units, meters and service connections to the end user.

List 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

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

N/A

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 Number	Incident Date	Parameter	Result	Corrective Action	Resolution Date
164529	2/27/2024	Sodium	Result 22-23mg/L Resolution 20.6mg/L	Resampled and tested location with exceedance.	3/01/2024
165116	6/3/2024	Chlorine Residual	0.24mg/L	Flushed, re-sampled, restored chlorine residual to area.	6/3/2024
165172	6/11/2024	Chlorine Residual	0.22mg/L	Watermain flushed at nearest hydrant. Resample from location of adverse.	6/11/2024
165360	6/24/2024	Total Coliform	Present	Flushed, re-sampled, and tested location of exceedance as well as upstream and downstream locations.	6/28/2024
166150	8/29/2024	Chlorine Residual	0.19mg/L	Watermain flushed at nearest hydrant. Resample from location of adverse.	8/29/2024
166228	9/6/2024	Chlorine Residual	0.20mg/L	Watermain flushed at nearest hydrant. Resample from location of adverse.	9/6/2024
166854	11/08/2024	Chlorine Residual	0.07mg/L	Watermain flushed at nearest hydrant. Resample from location of adverse.	11/08/2024
166864	11/10/2025	Chlorine Residual	0.08mg/L	Watermain flushed at nearest hydrant. Resample from location of adverse.	11/10/2025
166904	11/20/2024	Chlorine Residual	0.16mg/L	Watermain flushed at nearest hydrant. Resample from location of adverse.	11/20/2024
167072	12/13/2024	Chlorine Residual	0.17mg/L	Watermain flushed at nearest hydrant. Resample from location of adverse.	12/13/2024

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	161	0 (Absent)	Absent-Present(1)	81	0-250

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	839	0.07-3.53 Combined
Fluoride (If the DWS provides fluoridation)	N/A	

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	February 20, 2024	22	mg/L	Yes
Sodium	February 20, 2024	23	mg/L	Yes
Sodium	February 28, 2024	20.6	mg/L	Yes
Sodium	February 28, 2024	20.6	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	2	2	<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 metabolites	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)	January 29, 2024	<0.0009	ug/L	No
Nitrosodimethylamine (NDMA)	April 22, 2024	<0.0009	ug/L	No
Nitrosodimethylamine (NDMA)	July 29, 2024	<0.0009	ug/L	No
Nitrosodimethylamine (NDMA)	October 28, 2024	0.0012	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 -March -June -September -December	18	ug/L	No
HAA (Running Annual Average)	*Sampled Quarterly -Jan -April -July -October	8.4	ug/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 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			