



# DRINKING WATER SYSTEM



## Annual Report 2024



**CITY OF TORONTO DRINKING WATER SYSTEM ANNUAL REPORT**

<b>Drinking-Water System Number:</b>	220002262
<b>Drinking-Water System Name:</b>	City of Toronto Drinking Water System (R. C. Harris)
<b>Drinking-Water System Owner:</b>	City of Toronto
<b>Drinking-Water System Category:</b>	Large Municipal Residential
<b>Period being reported:</b>	January 1, 2024 to December 31, 2024

<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 <input checked="" type="checkbox"/> No <input type="checkbox"/></p> <p>Is your annual report available to the public at no charge on a web site on the Internet? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> <p>Location where Summary Report required under O. Reg. 170/03 Schedule 22 will be available for inspection.</p> <table border="1" style="width: 100%;"> <tr> <td>Metro Hall 55 John Street Toronto, Ontario M5V 3C6</td> </tr> </table>	Metro Hall 55 John Street Toronto, Ontario M5V 3C6	<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 <input type="checkbox"/> No <input type="checkbox"/></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 <input type="checkbox"/> No <input type="checkbox"/></p>
Metro Hall 55 John Street Toronto, Ontario M5V 3C6		

**NOTE: For the following tables below, additional rows or columns may be added or an appendix may be attached to the report**

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
Region of York - receives some of their water from Toronto	260001929

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.

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 \_\_\_\_\_



**Describe your Drinking-Water System**

Toronto Drinking Water Supply System consists of 4 water treatment plants, 18 pumping stations, 11 major underground storage reservoirs, 4 elevated storage tanks, approximately 540 kilometers of trunk water mains and 5,570 kilometers of distribution water mains.

The R.C. Harris Water Treatment Plant is a conventional water treatment plant, has a rated capacity of 950,000 m<sup>3</sup>/day and is located at 2701 Queen Street East, Toronto.

The other 3 Toronto Water Treatment plants are as follows:

- R.L. Clark Water Treatment Plant (Rated Capacity of 615,000 m<sup>3</sup>/day) and is located at 45 Twenty Third Street, Toronto;
- F.J. Horgan Water Treatment Plant (Rated Capacity of 800,000 m<sup>3</sup>/day) and is located at 201 Copperfield Road, Toronto; and
- Island Water Treatment Plant (Rated Capacity of 440,000 m<sup>3</sup>/day) and is located on Centre Island, Toronto.

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

Alum (Aluminum sulphate)  
 Chlorine  
 Sodium bisulphite  
 Hydrofluosilicic acid  
 Aqueous Ammonia  
 Phosphoric Acid

**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:**

**Capital Projects** - The following amounts relate to various projects during 2024 and do not represent the total project costs. These numbers do not include the normal operating and maintenance costs.

No.	Project Name	Description	Monetary Expense
1.	HVAC Rehabilitation	Rehabilitation of plant heating, ventilation and cooling equipment, and installation of a Building Automation System.	\$1,000,000
2.	Filter Media Replacement	Replacement of filter anthracite.	\$225,000
3.	Architectural Restoration	Rehabilitation of Facility Steel Doors.	\$200,000
4..	Centrifuge Upgrades	Upgrade to starters of raw water, treated water, and backwash water pumps.	\$130,000
5.	Service Water Improvements	Replacement of aging service water piping.	\$130,000

**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:**

**NOTE:** "Incident date" is the date adverse result was reported to MECP-SAC. "Corrective action date" is the date the location was resampled.

<b>Incident Date</b>	<b>Parameter</b>	<b>Result</b>	<b>Unit of Measure</b>	<b>Corrective Action</b>	<b>Corrective Action Date</b>
02/16/2024	Disinfection Inactivation Ratio	Disinfection Inactivation Ratio as (conservatively) calculated fell below 1 for 38 minutes due to abnormally high ammonia in the source water.	N/A	Removed plant from service and removed impacted water using wash water pumps. Note that updated calculations demonstrated that the DIR never dropped below 1.0. No non-conformance was noted on the MECP inspection.	02/16/2024
03/01/2024	Filter Effluent Turbidity	Filter #33 turbidity was recorded as 1.0 NTU from 13:24 to 15:30 on 02/29/24.	NTU	Filter removed from Service, malfunctioning instrument repaired, SCADA changes implemented to prevent recurrence.	03/04/2024

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

	<b>Number of Samples</b>	<b>Range of E.Coli Or Fecal Results (min.) - (max.)</b>	<b>Range of Total Coliform Results (min.) - (max.)</b>	<b>Number of HPC Samples</b>	<b>Range of HPC Results (min.) - (max.)</b>
Raw	365	0-85	0-NDOGT (0-170)	363	0-2736
Treated	1461	1461A (100%A)	1461A (100%A)	1453	0-7

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

Parameter	Number of Grab Samples	Range of Results (min.) - (max.)	Unit of Measure
Turbidity	8784	0.03 – 0.23	NTU
Chlorine	8784	0.20 – 4.24**	mg/L
*Fluoride (If the DWS provides fluoridation)	358	0.56 – 0.71	mg/L

\*Fluoride Grab Sample numbers and range of results are reported using data from days when fluoridation was in service.

\*\*Note, both min/max before DCL Chlorine residuals occurred on Feb. 16<sup>th</sup> as noted in the AWQI table above.

**NOTE:** For Continuous Monitoring (zero days offline):

Number of Grab Samples = 24 samples/day x 365 days/year (or 366 days/leap year) = 8760 (or 8784).

**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 (Annual Average)	Unit of Measure
Nov 09, 2020 Municipal Drinking Water Licence	Total Suspended Solids (Residue Management)	Jan 01-Dec 31, 2024	6.00	mg/L
	Total Chlorine (Residue Management)	Jan 01-Dec 31, 2024	0	mg/L

**NOTE:** A result of “0” indicates that the result obtained was below the method detection/reporting limit.

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

Parameter	Sample Date	Result Value (min.) - (max.)	Unit of Measure	Exceedance
Antimony	Jan – Dec 2024	0-0	mg/L	No
Arsenic	Jan – Dec 2024	0.0005-0.0007	mg/L	No
Barium	Jan – Dec 2024	0.0204-0.0222	mg/L	No
Boron	Jan – Dec 2024	0.0211-0.0233	mg/L	No
Cadmium	Jan – Dec 2024	0-0	mg/L	No
Chromium	Jan – Dec 2024	0.0002-0.0004	mg/L	No
Lead	Jan – Dec 2024	0-0	mg/L	No
Mercury	Jan – Dec 2024	0-0	mg/L	No
Selenium	Jan – Dec 2024	0-0	mg/L	No
Sodium	Jan – Dec 2024	13.0-18.2	mg/L	No
Uranium	Jan – Dec 2024	0.0003-0.0003	mg/L	No
Nitrite	Jan – Dec 2024	0 - 0.004	mg/L	No
Nitrate	Jan – Dec 2024	0.21-0.42	mg/L	No

**NOTE:** A result of “0” indicates that the result obtained was below the method detection/reporting limit.



**Summary of Lead (Pb) testing under Schedule 15.1 during this reporting period:**

Location Type	Number of Samples	Range of Lead Results (min.) - (max.)	Unit of Measure	Number of Exceedances
*Plumbing	*	*	*	*
*Distribution	*	*	*	*

\*NOTE: Refer to Toronto DS (Distribution System) Annual Report for Lead (Pb) testing data.

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

Parameter	Sample Date	Result Value (min.) - (max.)	Unit of Measure	Exceedance
Alachlor	Jan – Dec 2024	0-0	µg/L	No
Atrazine + N-dealkylated metabolites	Jan – Dec 2024	0.072-0.094	µg/L	No
Azinphos-methyl	Jan – Dec 2024	0-0	µg/L	No
Benzene	Jan – Dec 2024	0-0	µg/L	No
Benzo(a)pyrene	Jan – Dec 2024	0-0	µg/L	No
Bromoxynil	Jan – Dec 2024	0-0	µg/L	No
Carbaryl	Jan – Dec 2024	0-0	µg/L	No
Carbofuran	Jan – Dec 2024	0-0	µg/L	No
Carbon Tetrachloride	Jan – Dec 2024	0-0	µg/L	No
Chlorpyrifos	Jan – Dec 2024	0-0	µg/L	No
Diazinon	Jan – Dec 2024	0-0	µg/L	No
Dicamba	Jan – Dec 2024	0-0	µg/L	No
1,2-Dichlorobenzene	Jan – Dec 2024	0-0	µg/L	No
1,4-Dichlorobenzene	Jan – Dec 2024	0-0	µg/L	No
1,2-Dichloroethane	Jan – Dec 2024	0-0	µg/L	No
1,1-Dichloroethylene (vinylidene chloride)	Jan – Dec 2024	0-0	µg/L	No
Dichloromethane	Jan – Dec 2024	0-2.8	µg/L	No
2-4 Dichlorophenol	Jan – Dec 2024	0-0	µg/L	No
2,4-Dichlorophenoxy acetic acid (2,4-D)	Jan – Dec 2024	0-0	µg/L	No
Diclofop-methyl	Jan – Dec 2024	0-0	µg/L	No
Dimethoate	Jan – Dec 2024	0-0	µg/L	No
Diquat	Jan – Dec 2024	0-0	µg/L	No
Diuron	Jan – Dec 2024	0-0	µg/L	No
Glyphosate	Jan – Dec 2024	0-0	µg/L	No
Malathion	Jan – Dec 2024	0-0	µg/L	No
Metolachlor	Jan – Dec 2024	0.005-0.009	µg/L	No
Metribuzin	Jan – Dec 2024	0-0	µg/L	No
Monochlorobenzene	Jan – Dec 2024	0-0	µg/L	No
Paraquat	Jan – Dec 2024	0-0	µg/L	No



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

Parameter	Sample Date	Result Value (min.) - (max.)	Unit of Measure	Exceedance
Pentachlorophenol	Jan – Dec 2024	0-0	µg/L	No
Phorate	Jan – Dec 2024	0-0	µg/L	No
Picloram	Jan – Dec 2024	0-0	µg/L	No
Polychlorinated Biphenyls(PCB)	Jan – Dec 2024	0-0	µg/L	No
Prometryne	Jan – Dec 2024	0-0	µg/L	No
Simazine	Jan – Dec 2024	0.002-0.004	µg/L	No
THM (Note: Show latest annual average)	Jan – Dec 2024	8.2	µg/L	No
Terbufos	Jan – Dec 2024	0-0	µg/L	No
Tetrachloroethylene	Jan – Dec 2024	0-0	µg/L	No
2,3,4,6-Tetrachlorophenol	Jan – Dec 2024	0-0	µg/L	No
Triallate	Jan – Dec 2024	0-0	µg/L	No
Trichloroethylene	Jan – Dec 2024	0-0	µg/L	No
2,4,6-Trichlorophenol	Jan – Dec 2024	0-0	µg/L	No
Trifluralin	Jan – Dec 2024	0-0	µg/L	No
Vinyl Chloride	Jan – Dec 2024	0-0	µg/L	No

**NOTE:** A result of “0” indicates that the result obtained was below the method detection/reporting limit.

**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 (min.) - (max.)	Unit of Measure	Date of Sample
NONE	NONE	NONE	NONE



**CITY OF TORONTO DRINKING WATER SYSTEM ANNUAL REPORT**

<b>Drinking-Water System Number:</b>	220002244
<b>Drinking-Water System Name:</b>	City of Toronto Drinking Water System (Island)
<b>Drinking-Water System Owner:</b>	City of Toronto
<b>Drinking-Water System Category:</b>	Large Municipal Residential
<b>Period being reported:</b>	January 1, 2024 to December 31, 2024

<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 [ X ] No [ ]</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> <table border="1" style="width: 100%;"> <tr> <td>Metro Hall 55 John Street Toronto, Ontario M5V 3C6</td> </tr> </table>	Metro Hall 55 John Street Toronto, Ontario M5V 3C6	<p><b><u>Complete for all other Categories.</u></b></p> <p>Number of Designated Facilities served:  <table border="1" style="width: 100%; height: 20px;"> <tr> <td></td> </tr> </table> </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:  <table border="1" style="width: 100%; height: 20px;"> <tr> <td></td> </tr> </table> </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>		
Metro Hall 55 John Street Toronto, Ontario M5V 3C6				

**NOTE: For the following tables below, additional rows or columns may be added or an appendix may be attached to the report**

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
Region of York - receives some of their water from Toronto	260001929

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
  - [ ] Public access/notice via Public Request
  - [ ] Public access/notice via a Public Library
  - [ ] Public access/notice via other method \_\_\_\_\_





**Describe your Drinking-Water System**

Toronto Drinking Water Supply System consists of 4 water treatment plants, 18 pumping stations, 11 major underground storage reservoirs, 4 elevated storage tanks, approximately 540 kilometers of trunk water mains and 5,570 kilometers of distribution water mains.

The Island Water Treatment Plant is a direct filtration water treatment plant, has a rated capacity of 440,000 m<sup>3</sup>/day and is located at Toronto Centre Island, Toronto.

The other 3 Toronto Water Treatment plants are as follows:

- R.L. Clark Water Treatment Plant (Rated Capacity of 615,000 m<sup>3</sup>/day) and is located at 45 Twenty Third Street, Toronto;
- R.C. Harris Water Treatment Plant (Rated Capacity of 950,000 m<sup>3</sup>/day) and is located at 2701 Queen Street East, Toronto; and
- F.J. Horgan Water Treatment Plant (Rated Capacity of 800,000 m<sup>3</sup>/day) and is located at 201 Copperfield Road, Toronto.

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

Chlorine  
Sodium bisulphite  
Hydrofluosilicic acid  
Aqua ammonia  
Polyaluminum Chloride (PACL)  
Phosphoric Acid

**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:**

**Capital Projects** - The following amounts relate to various projects during 2024 and do not represent the total project costs. These numbers do not include the normal operating and maintenance costs.

No.	Project Description	Monetary Expense
1.	Design & Construction of Ammonia & Fluoride System Upgrades	\$22,000
2.	Design of UV Treatment, Residuals Dewatering, & Electrical Upgrades	\$601,000
3.	Design & Construction of Plantwide HVAC Upgrades	\$535,000
4.	Design & Construction of Plant Flood Mitigation	\$2,808,000
5.	Design & Construction of Travelling Screens and Raw Water Pumps Replacement	\$99,000
6	Design & Construction of Gaseous Upgrades	\$ 750,000



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

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:

NOTE: "Incident date" is the date adverse result was reported to MECP-SAC. "Corrective action date" is the date the location was resampled.

Incident Date	Parameter	Result	Unit of Measure	Corrective Action	Corrective Action Date
02/23/2024	Output Total Chlorine Residual	Output total chlorine residual was above 3mg/L from 17:40 to 17:55 with maximum residual of 3.73mg/L. Event reported to SAC on February 23rd.	mg/L	The dechlorination process was activated at 17:15. No corrective action was requested by Medical Officer of Health.	02/23/2024
08/27/2024	Total Coliform	Present	Result/100mL sample	Resample (subsequent sample was tested to be negative for Total Coliform).	08/25/2024

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	319	0-30	0-NDOGT (0-79)	317	0-342
Treated	1278	1279A (100%A)	1278A (99.9%A)	1271	0-38

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

Parameter	Number of Grab Samples	Range of Results (min.) - (max.)	Unit of Measure
Turbidity	7680*	0.04-0.12	NTU
Chlorine	7680*	1.27-2.26	mg/L
**Fluoride (If the DWS provides fluoridation)	314	0.21-0.81	mg/L
<p>*Number of Grab Samples for Turbidity and Chlorine reflects the fact that the Plant was not in service the full calendar year  **Fluoride Grab Sample numbers and range of results are reported using data from days when fluoridation was in service  NOTE: For Continuous Monitoring (zero days offline):  Number of Grab Samples = 24 samples/day x 365 days/year (or 366 days/leap year) = 8760 (or 8784)</p>			



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

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 (Monthly Average)	Unit of Measure
November 9, 2020 Municipal Drinking Water Licence	Total Suspended Solids (Residue Management) *	Jan. 1, 2024 - Dec. 31, 2024	January = 2.6 February = 6.8 March = 5.6 April = 4.8 May = 2.3 June = 3.1 July = 3.7 August = 1.9 September = 1.3 October = 2.4 November = 4.8 December = 4.7	mg/L

Date Of Legal Instrument Issued	Parameter	Date Sampled	Concentration Limit Condition A: Single samples < 0.2 mg/L	Unit of Measure
November 9, 2020 Municipal Drinking Water Licence	Total Chlorine (Residue Management) **	Jan. 1, 2024 - Dec. 31, 2024	N/A	date & mg/L

Date Of Legal Instrument Issued	Parameter	Date Sampled	Concentration Limit Condition B: 120-min average of all 5-min averaged samples < 0.02 mg/L.	Unit of Measure
November 9, 2020 Municipal Drinking Water Licence	Total Chlorine (Residue Management) **	Jan. 1, 2024 - Dec. 31, 2024	N/A	date & mg/L

**NOTES:**

\* For RMF effluent, the Total Suspended Solids limit is a monthly average concentration.

\*\* For RMF effluent, the Total Chlorine Residual limit is a maximum concentration of: i) Condition A, 0.2 mg/L (single 5-min averaged sample) or ii) Condition B, 0.02 mg/L (120-min average concentration of all 5-min averaged samples), as applicable.

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

Parameter	Sample Date	Result Value (min.) - (max.)	Unit of Measure	Exceedance
Antimony	Jan – Dec 2024	0 - 0	mg/L	No
Arsenic	Jan – Dec 2024	0.0008 - 0.0010	mg/L	No
Barium	Jan – Dec 2024	0.0213 - 0.0228	mg/L	No
Boron	Jan – Dec 2024	0.0197 - 0.0220	mg/L	No
Cadmium	Jan – Dec 2024	0 - 0	mg/L	No
Chromium	Jan – Dec 2024	0.0003- 0.0004	mg/L	No
Lead	Jan – Dec 2024	0 - 0	mg/L	No
Mercury	Jan – Dec 2024	0 - 0	mg/L	No
Selenium	Jan – Dec 2024	0 - 0	mg/L	No
Sodium	Jan – Dec 2024	13.0 – 16.1	mg/L	No
Uranium	Jan – Dec 2024	0.0003 - 0.0003	mg/L	No
Nitrite	Jan – Dec 2024	0 - 0.003	mg/L	No
Nitrate	Jan – Dec 2024	0.33 - 0.38	mg/L	No

**NOTE:** A result of “0” indicates that the result obtained was below the method detection/reporting limit.

**Summary of Lead (Pb) testing under Schedule 15.1 during this reporting period:**

Location Type	Number of Samples	Range of Lead Results (min.) - (max.)	Unit of Measure	Number of Exceedances
*Plumbing	*	*	*	*
*Distribution	*	*	*	*

**\*NOTE:** Refer to Toronto DS (Distribution System) Annual Report for Lead (Pb) testing data.

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

Parameter	Sample Date	Result Value (min.) - (max.)	Unit of Measure	Exceedance
Alachlor	Jan – Dec 2024	0 - 0	µg/L	No
Atrazine + N-dealkylated metabolites	Jan – Dec 2024	0.085 – 0.093	µg/L	No
Azinphos-methyl	Jan – Dec 2024	0 - 0	µg/L	No
Benzene	Jan – Dec 2024	0 - 0	µg/L	No
Benzo(a)pyrene	Jan – Dec 2024	0 - 0	µg/L	No
Bromoxynil	Jan – Dec 2024	0 - 0	µg/L	No
Carbaryl	Jan – Dec 2024	0 - 0	µg/L	No
Carbofuran	Jan – Dec 2024	0 - 0	µg/L	No
Carbon Tetrachloride	Jan – Dec 2024	0 - 0	µg/L	No
Chlorpyrifos	Jan – Dec 2024	0 - 0	µg/L	No
Diazinon	Jan – Dec 2024	0 - 0	µg/L	No
Dicamba	Jan – Dec 2024	0 - 0	µg/L	No
1,2-Dichlorobenzene	Jan – Dec 2024	0 - 0	µg/L	No



Parameter	Sample Date	Result Value (min.) - (max.)	Unit of Measure	Exceedance
1,4-Dichlorobenzene	Jan – Dec 2024	0 - 0	µg/L	No
1,2-Dichloroethane	Jan – Dec 2024	0 - 0	µg/L	No
1,1-Dichloroethylene (vinylidene chloride)	Jan – Dec 2024	0 - 0	µg/L	No
Dichloromethane	Jan – Dec 2024	0 – 2.8	µg/L	No
2-4 Dichlorophenol	Jan – Dec 2024	0 - 0	µg/L	No
2,4-Dichlorophenoxy acetic acid (2,4-D)	Jan – Dec 2024	0 - 0	µg/L	No
Diclofop-methyl	Jan – Dec 2024	0 - 0	µg/L	No
Dimethoate	Jan – Dec 2024	0 - 0	µg/L	No
Diquat	Jan – Dec 2024	0 - 0	µg/L	No
Diuron	Jan – Dec 2024	0 - 0	µg/L	No
Glyphosate	Jan – Dec 2024	0 - 0	µg/L	No
Malathion	Jan – Dec 2024	0 - 0	µg/L	No
Metolachlor	Jan – Dec 2024	0.006 - 0.009	µg/L	No
Metribuzin	Jan – Dec 2024	0 - 0	µg/L	No
Monochlorobenzene	Jan – Dec 2024	0 - 0	µg/L	No
Paraquat	Jan – Dec 2024	0 - 0	µg/L	No
Pentachlorophenol	Jan – Dec 2024	0 - 0	µg/L	No
Phorate	Jan – Dec 2024	0 - 0	µg/L	No
Picloram	Jan – Dec 2024	0 - 0.35	µg/L	No
Polychlorinated Biphenyls (PCB)	Jan – Dec 2024	0 - 0	µg/L	No
Prometryne	Jan – Dec 2024	0 - 0	µg/L	No
Simazine	Jan – Dec 2024	0.003 - 0.004	µg/L	No
THM (Note: Show latest annual average)	Jan – Dec 2024	7.87	µg/L	No
Terbufos	Jan – Dec 2024	0 - 0	µg/L	No
Tetrachloroethylene	Jan – Dec 2024	0 - 0	µg/L	No
2,3,4,6-Tetrachlorophenol	Jan – Dec 2024	0 - 0	µg/L	No
Triallate	Jan – Dec 2024	0 - 0	µg/L	No
Trichloroethylene	Jan – Dec 2024	0 - 0	µg/L	No
2,4,6-Trichlorophenol	Jan – Dec 2024	0 - 0	µg/L	No
Trifluralin	Jan – Dec 2024	0 - 0	µg/L	No
Vinyl Chloride	Jan – Dec 2024	0 - 0	µg/L	No

**NOTE:** A result of “0” indicates that the result obtained was below the method detection/reporting limit.

**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 (min.) - (max.)	Unit of Measure	Date of Sample
NONE	NONE	NONE	NONE

**CITY OF TORONTO DRINKING WATER SYSTEM ANNUAL REPORT**

<b>Drinking-Water System Number:</b>	220002253
<b>Drinking-Water System Name:</b>	City of Toronto Drinking Water System (R. L. Clark)
<b>Drinking-Water System Owner:</b>	City of Toronto
<b>Drinking-Water System Category:</b>	Large Municipal Residential
<b>Period being reported:</b>	January 1, 2024 to December 31, 2024

<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 [ X ] No [ ]</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> <table border="1" style="width: 100%;"> <tr> <td>Metro Hall 55 John Street Toronto, Ontario M5V 3C6</td> </tr> </table>	Metro Hall 55 John Street Toronto, Ontario M5V 3C6	<p><b><u>Complete for all other Categories.</u></b></p> <p>Number of Designated Facilities served:  <table border="1" style="width: 100%; height: 20px;"> <tr> <td></td> </tr> </table> </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:  <table border="1" style="width: 100%; height: 20px;"> <tr> <td></td> </tr> </table> </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>		
Metro Hall 55 John Street Toronto, Ontario M5V 3C6				

**NOTE: For the following tables below, additional rows or columns may be added or an appendix may be attached to the report**

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
Region of York - receives some of their water from Toronto	260001929

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  
 [ ] Public access/notice via Public Request  
 [ ] Public access/notice via a Public Library  
 [ ] Public access/notice via other method \_\_\_\_\_



**Describe your Drinking-Water System**

Toronto Drinking Water Supply System consists of 4 water treatment plants, 18 pumping stations, 11 major underground storage reservoirs, 4 elevated storage tanks, approximately 540 kilometers of trunk watermains and 5,570 kilometers of distribution watermains.

The R.L. Clark Water Treatment Plant is a conventional water treatment plant, has a rated capacity of 615,000 m<sup>3</sup>/day and is located at 45 Twenty Third Street, Toronto.

The other 3 Toronto Water Treatment plants are as follows:

- R.C. Harris Water Treatment Plant (Rated Capacity of 950,000 m<sup>3</sup>/day) and is located at 2701 Queen Street East, Toronto;
- F.J. Horgan Water Treatment Plant (Rated Capacity of 800,000 m<sup>3</sup>/day) and is located at 201 Copperfield Road, Toronto; and
- Island Water Treatment Plant (Rated Capacity of 440,000 m<sup>3</sup>/day) and is located on Centre Island, Toronto

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

Alum (Aluminum Sulphate)  
 Chlorine  
 Sulphur Dioxide  
 Hydrofluosilic Acid  
 Aqua Ammonia  
 Phosphoric Acid  
 Cationic polymer (residuals treatment)  
 Powdered Activated Carbon

**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:**

**Capital Projects** - The following amounts relate to various projects during 2024 and do not represent the total project costs. These numbers do not include the normal operating and maintenance costs.

No.	Project Name	Description	Monetary Expense
1.	Chemical Storage Tank Refurbishment	Facility Restoration	\$600,000
2.	Retaining Wall Rehabilitation	Facility Restoration	\$300,000



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

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:

NOTE: "Incident date" is the date adverse result was reported to MECP-SAC. "Corrective action date" is the date the location was resampled.

Incident Date	Parameter	Result	Unit of Measure	Corrective Action	Corrective Action Date
08/08/2024	Coagulation interruption	N/A	N/A	Flow meter inspected & calibrated. SCADA alarm created to capture similar event.	08/22/2024

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	360	0-NDOGT (0-131)	0-NDOGT (0-520)	358	0-1700
Treated	1462	1462A (100%A)	1462A (100%A)	1454	0 - 47

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

Parameter	Number of Grab Samples	Range of Results (min.) - (max.)	Unit of Measure
Turbidity	8784	0.03 – 0.15	NTU
Chlorine	8784	1.48 – 2.72	mg/L
*Fluoride (If the DWS provides fluoridation)	342	0.57 – 0.76	mg/L

\*Fluoride Grab Sample numbers and range of results are reported using data from days when fluoridation was in service.

NOTE: For Continuous Monitoring (zero days offline):

Number of Grab Samples = 24 samples/day x 365 days/year (or 366 days/leap year) = 8760 (or 8784).

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
November 9, 2020 Municipal Drinking Water Licence	Total Suspended Solids (Residue Management)	Jan 01-Dec 31, 2024	3.75	mg/L
	Total Chlorine (Residue Management)	Jan 01-Dec 31, 2024	0.00	mg/L



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

Parameter	Sample Date	Result Value (min.) - (max.)	Unit of Measure	Exceedance
Antimony	Jan – Dec 2024	0-0	mg/L	No
Arsenic	Jan – Dec 2024	0.0005-0.0006	mg/L	No
Barium	Jan – Dec 2024	0.0188-0.0232	mg/L	No
Boron	Jan – Dec 2024	0.0215-0.0218	mg/L	No
Cadmium	Jan – Dec 2024	0-0	mg/L	No
Chromium	Jan – Dec 2024	0.0003-0.0004	mg/L	No
Lead	Jan – Dec 2024	0-0	mg/L	No
Mercury	Jan – Dec 2024	0-0	mg/L	No
Selenium	Jan – Dec 2024	0-0	mg/L	No
Sodium	Jan – Dec 2024	13.0-20.2	mg/L	Yes
Uranium	Jan – Dec 2024	0.0002-0.0003	mg/L	No
Nitrite	Jan – Dec 2024	0 - 0.004	mg/L	No
Nitrate	Jan – Dec 2024	0.27-0.58	mg/L	No

**NOTE:** A result of “0” indicates that the result obtained was below the method detection/reporting limit.

**Summary of Lead (Pb) testing under Schedule 15.1 during this reporting period**

Location Type	Number of Samples	Range of Lead Results (min.) - (max.)	Unit of Measure	Number of Exceedances
*Plumbing	*	*	*	*
*Distribution	*	*	*	*

**\*NOTE:** Refer to Toronto DS (Distribution System) Annual Report for Lead (Pb) testing data.

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

Parameter	Sample Date	Result Value (min.) - (max.)	Unit of Measure	Exceedance
Alachlor	Jan – Dec 2024	0-0	µg/L	No
Atrazine + N-dealkylated metabolites	Jan – Dec 2024	0.081-0.090	µg/L	No
Azinphos-methyl	Jan – Dec 2024	0-0	µg/L	No
Benzene	Jan – Dec 2024	0-0	µg/L	No
Benzo(a)pyrene	Jan – Dec 2024	0-0	µg/L	No
Bromoxynil	Jan – Dec 2024	0-0	µg/L	No
Carbaryl	Jan – Dec 2024	0-0	µg/L	No
Carbofuran	Jan – Dec 2024	0-0	µg/L	No
Carbon Tetrachloride	Jan – Dec 2024	0-0	µg/L	No
Chlorpyrifos	Jan – Dec 2024	0-0	µg/L	No
Diazinon	Jan – Dec 2024	0-0	µg/L	No
Dicamba	Jan – Dec 2024	0-0	µg/L	No
1,2-Dichlorobenzene	Jan – Dec 2024	0-0	µg/L	No



Parameter	Sample Date	Result Value (min.) - (max.)	Unit of Measure	Exceedance
1,4-Dichlorobenzene	Jan – Dec 2024	0-0	µg/L	No
1,2-Dichloroethane	Jan – Dec 2024	0-0	µg/L	No
1,1-Dichloroethylene (vinylidene chloride)	Jan – Dec 2024	0.0	µg/L	No
Dichloromethane	Jan – Dec 2024	0-2.8	µg/L	No
2-4 Dichlorophenol	Jan – Dec 2024	0-0	µg/L	No
2,4-Dichlorophenoxy acetic acid (2,4-D)	Jan – Dec 2024	0-0	µg/L	No
Diclofop-methyl	Jan – Dec 2024	0-0	µg/L	No
Dimethoate	Jan – Dec 2024	0-0	µg/L	No
Diquat	Jan – Dec 2024	0-0	µg/L	No
Diuron	Jan – Dec 2024	0 - 0.001	µg/L	No
Glyphosate	Jan – Dec 2024	0-0	µg/L	No
Malathion	Jan – Dec 2024	0-0	µg/L	No
Metolachlor	Jan – Dec 2024	0.008-0.009	µg/L	No
Metribuzin	Jan – Dec 2024	0-0	µg/L	No
Monochlorobenzene	Jan – Dec 2024	0-0	µg/L	No
Paraquat	Jan – Dec 2024	0-0	µg/L	No
Pentachlorophenol	Jan – Dec 2024	0-0	µg/L	No
Phorate	Jan – Dec 2024	0-0	µg/L	No
Picloram	Jan – Dec 2024	0-0	µg/L	No
Polychlorinated Biphenyls (PCB)	Jan – Dec 2024	0-0	µg/L	No
Prometryne	Jan – Dec 2024	0-0	µg/L	No
Simazine	Jan – Dec 2024	0.003-0.004	µg/L	No
THM (Note: showing latest annual average)	Jan – Dec 2024	10.64	µg/L	No
Terbufos	Jan – Dec 2024	0-0	µg/L	No
Tetrachloroethylene	Jan – Dec 2024	0-0	µg/L	No
2,3,4,6-Tetrachlorophenol	Jan – Dec 2024	0-0	µg/L	No
Triallate	Jan – Dec 2024	0-0	µg/L	No
Trichloroethylene	Jan – Dec 2024	0-0	µg/L	No
2,4,6-Trichlorophenol	Jan – Dec 2024	0-0	µg/L	No
Trifluralin	Jan – Dec 2024	0-0	µg/L	No
Vinyl Chloride	Jan – Dec 2024	0-0	µg/L	No

**NOTE:** A result of “0” indicates that the result obtained was below the method detection/reporting limit.

**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 (min.) - (max.)	Unit of Measure	Date of Sample
NONE	NONE	NONE	NONE



CITY OF TORONTO DRINKING WATER SYSTEM ANNUAL REPORT

<b>Drinking-Water System Number:</b>	220004536
<b>Drinking-Water System Name:</b>	City of Toronto Drinking Water System (F. J. Horgan)
<b>Drinking-Water System Owner:</b>	City of Toronto
<b>Drinking-Water System Category:</b>	Large Municipal Residential
<b>Period being reported:</b>	January 1, 2024 to December 31, 2024

<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 <input checked="" type="checkbox"/> No <input type="checkbox"/></p> <p>Is your annual report available to the public at no charge on a web site on the Internet? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> <p>Location where Summary Report required under O. Reg. 170/03 Schedule 22 will be available for inspection.</p> <table border="1" style="width: 100%;"> <tr> <td>Metro Hall 55 John Street Toronto, Ontario M5V 3C6</td> </tr> </table>	Metro Hall 55 John Street Toronto, Ontario M5V 3C6	<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 <input type="checkbox"/> No <input type="checkbox"/></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 <input type="checkbox"/> No <input type="checkbox"/></p>
Metro Hall 55 John Street Toronto, Ontario M5V 3C6		

**NOTE: For the following tables below, additional rows or columns may be added or an appendix may be attached to the report**

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
Region of York - receives some of their water from Toronto	260001929

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.
- 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 \_\_\_\_\_



**Describe your Drinking-Water System**

Toronto Drinking Water Supply System consists of 4 water treatment plants, 18 pumping stations, 11 major underground storage reservoirs, 4 elevated storage tanks, approximately 540 kilometers of trunk watermains and 5,570 kilometers of distribution watermains.

The F.J. Horgan Water Treatment Plant is a direct water treatment plant, has a rated capacity of 800,000 m<sup>3</sup>/day and is located at 201 Copperfield Road, Toronto.

The other 3 Toronto Water Treatment plants are as follows:

- R.L. Clark Water Treatment Plant (Rated Capacity of 615,000 m<sup>3</sup>/day) and is located at 45 Twenty Third Street, Toronto;
- R.C. Harris Water Treatment Plant (Rated Capacity of 950,000 m<sup>3</sup>/day) and is located at 2701 Queen Street East, Toronto; and
- Island Water Treatment Plant (Rated Capacity of 440,000 m<sup>3</sup>/day) and is located on Centre Island, Toronto.

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

Alum (Aluminum sulphate)  
Polyaluminum Chloride (PACL – XL52)  
Poly Aluminum Chloride – PACL (SternPAC)  
Chlorine  
Sulphur dioxide  
Hydrofluosilicic acid  
Aqua ammonia  
Liquid Oxygen  
Ozone  
Sodium bisulphite (SBS)  
Phosphoric acid  
Polymer - Anionic (FLO AF340) for waste residuals treatment  
Polymer - Cationic (Floquat MG FL 4620)

**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:

**Capital Projects** - The following amounts relate to various projects during 2024 and do not represent the total project costs. These numbers do not include the normal operating and maintenance costs.

No.	Project Description	Monetary Expense
1.	Facility and Process Upgrades	\$100,000
2.	MetaSys Upgrade	\$30,000
3.	Zebra Mussel Control System	\$194,000
4.	Raw Water Valves Replacement	\$1,166,000
5.	Server Room	\$1,655,000
6.	Parallel Operation of Standby	\$331,000
7.	Gaseous System Upgrades	\$420,000
8.	WiFi Communications	\$742,000
9.	Ozone System Rehabilitation	\$350,000
10.	Administration Renovation	\$85,000

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:

**NOTE:** "Incident date" is the date adverse result was reported to MECP-SAC. "Corrective action date" is the date the location was resampled.

Incident Date	Parameter	Result	Unit of Measure	Corrective Action	Corrective Action Date
No incidents reported	N/A	N/A	N/A	N/A	N/A

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	355	0-30	0-93	353	0-3477
Treated	1450	1450A (100%A)	1450A (100%A)	1442	0-10



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

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

Parameter	Number of Grab Samples	Range of Results (min.) - (max.)	Unit of Measure
Turbidity	8592	0.03 – 0.13	NTU
Chlorine	8592	1.74 – 2.31	mg/L
*Fluoride (If the DWS provides fluoridation)	353	0.20 – 0.81	mg/L
*Fluoride Grab Sample numbers and range of results are reported using data from days when fluoridation was in service NOTE: For Continuous Monitoring (zero days offline): Number of Grab Samples = 24 samples/day x 365 days/year (or 366 days/leap year) = 8760 (or 8784)			

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 (Annual Average)	Unit of Measure
November 9, 2020 Municipal Drinking Water Licence	Total Suspended Solids (Residue Management)	Jan. 1, 2024 - Dec. 31, 2024	7.23	mg/L

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

Parameter	Sample Date	Result Value (min.) - (max.)	Unit of Measure	Exceedance
Antimony	Jan – Dec 2024	0 - 0	mg/L	No
Arsenic	Jan – Dec 2024	0.0008 – 0.0010	mg/L	No
Barium	Jan – Dec 2024	0.0208 – 0.0248	mg/L	No
Boron	Jan – Dec 2024	0.021 – 0.0217	mg/L	No
Cadmium	Jan – Dec 2024	0 - 0	mg/L	No
Chromium	Jan – Dec 2024	0.0002– 0.0004	mg/L	No
Lead	Jan – Dec 2024	0 – 0.00007	mg/L	No
Mercury	Jan – Dec 2024	0 - 0	mg/L	No
Selenium	Jan – Dec 2024	0 – 0.0006	mg/L	No
Sodium	Jan – Dec 2024	13.2 – 17.5	mg/L	No
Uranium	Jan – Dec 2024	0.0003 – 0.0003	mg/L	No
Nitrite	Jan – Dec 2024	0 – 0.005	mg/L	No
Nitrate	Jan – Dec 2024	0.25 – 0.41	mg/L	No

NOTE: A result of “0” indicates that the result obtained was below the method detection/reporting limit.

**Summary of Lead (Pb) testing under Schedule 15.1 during this reporting period:**

Location Type	Number of Samples	Range of Lead Results (min.) - (max.)	Unit of Measure	Number of Exceedances
*Plumbing	*	*	*	*
*Distribution	*	*	*	*

\*NOTE: Refer to Toronto DS (Distribution System) Annual Report for Lead (Pb) testing data.

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

Parameter	Sample Date	Result Value (min.) - (max.)	Unit of Measure	Exceedance
Alachlor	Jan – Dec 2024	0 – 0	µg/L	No
Atrazine + N-dealkylated metabolites	Jan – Dec 2024	0.065 – 0.089	µg/L	No
Azinphos-methyl	Jan – Dec 2024	0 - 0	µg/L	No
Benzene	Jan – Dec 2024	0 - 0	µg/L	No
Benzo(a)pyrene	Jan – Dec 2024	0 - 0	µg/L	No
Bromoxynil	Jan – Dec 2024	0 - 0	µg/L	No
Carbaryl	Jan – Dec 2024	0 - 0	µg/L	No
Carbofuran	Jan – Dec 2024	0 - 0	µg/L	No
Carbon Tetrachloride	Jan – Dec 2024	0 - 0	µg/L	No
Chlorpyrifos	Jan – Dec 2024	0 - 0	µg/L	No
Diazinon	Jan – Dec 2024	0 - 0	µg/L	No
Dicamba	Jan – Dec 2024	0 - 0	µg/L	No
1,2-Dichlorobenzene	Jan – Dec 2024	0 - 0	µg/L	No
1,4-Dichlorobenzene	Jan – Dec 2024	0 - 0	µg/L	No
1,2-Dichloroethane	Jan – Dec 2024	0 - 0	µg/L	No
1,1-Dichloroethylene (vinylidene chloride)	Jan – Dec 2024	0 - 0	µg/L	No
Dichloromethane	Jan – Dec 2024	0 – 4.9	µg/L	No
2-4 Dichlorophenol	Jan – Dec 2024	0 - 0	µg/L	No
2,4-Dichlorophenoxy acetic acid (2,4-D)	Jan – Dec 2024	0 - 0	µg/L	No
Diclofop-methyl	Jan – Dec 2024	0 - 0	µg/L	No
Dimethoate	Jan – Dec 2024	0 - 0	µg/L	No
Diquat	Jan – Dec 2024	0 - 0	µg/L	No
Diuron	Jan – Dec 2024	0 – 0.001	µg/L	No
Glyphosate	Jan – Dec 2024	0 - 0	µg/L	No
Malathion	Jan – Dec 2024	0 - 0	µg/L	No
Metolachlor	Jan – Dec 2024	0.004 -0.008	µg/L	No
Metribuzin	Jan – Dec 2024	0 - 0	µg/L	No
Monochlorobenzene	Jan – Dec 2024	0 - 0	µg/L	No



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

Parameter	Sample Date	Result Value (min.) - (max.)	Unit of Measure	Exceedance
Paraquat	Jan – Dec 2024	0 - 0	µg/L	No
Pentachlorophenol	Jan – Dec 2024	0 - 0	µg/L	No
Phorate	Jan – Dec 2024	0 - 0	µg/L	No
Picloram	Jan – Dec 2024	0 - 0	µg/L	No
Polychlorinated Biphenyls(PCB)	Jan – Dec 2024	0 - 0	µg/L	No
Prometryne	Jan – Dec 2024	0 - 0	µg/L	No
Simazine	Jan – Dec 2024	0.002 – 0.003	µg/L	No
THM (Note: Show latest annual average)	Jan – Dec 2024	7.92	µg/L	No
Terbufos	Jan – Dec 2024	0 - 0	µg/L	No
Tetrachloroethylene	Jan – Dec 2024	0 - 0	µg/L	No
2,3,4,6-Tetrachlorophenol	Jan – Dec 2024	0 - 0	µg/L	No
Triallate	Jan – Dec 2024	0 - 0	µg/L	No
Trichloroethylene	Jan – Dec 2024	0 - 0	µg/L	No
2,4,6-Trichlorophenol	Jan – Dec 2024	0 - 0	µg/L	No
Trifluralin	Jan – Dec 2024	0 - 0	µg/L	No
Vinyl Chloride	Jan – Dec 2024	0 - 0	µg/L	No

**NOTE:** A result of “0” indicates that the result obtained was below the method detection/reporting limit.

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 (min.) - (max.)	Unit of Measure	Date of Sample
NONE	NONE	NONE	NONE





**CITY OF TORONTO DRINKING WATER SYSTEM ANNUAL REPORT**

<b>Drinking-Water System Number:</b>	260090363
<b>Drinking-Water System Name:</b>	City of Toronto Drinking Water System – Toronto DS
<b>Drinking-Water System Owner:</b>	City of Toronto
<b>Drinking-Water System Category:</b>	Large Municipal Residential
<b>Period being reported:</b>	January 1, 2024 to December 31, 2024

<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 [ X ] No [ ]</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> <table border="1" style="width: 100%;"> <tr> <td>Metro Hall 55 John Street Toronto, Ontario M5V 3C6</td> </tr> </table>	Metro Hall 55 John Street Toronto, Ontario M5V 3C6	<p><b><u>Complete for all other Categories.</u></b></p> <p>Number of Designated Facilities served:  <table border="1" style="width: 100%; height: 20px;"> <tr> <td></td> </tr> </table> </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:  <table border="1" style="width: 100%; height: 20px;"> <tr> <td></td> </tr> </table> </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>		
Metro Hall 55 John Street Toronto, Ontario M5V 3C6				

**NOTE: For the following tables below, additional rows or columns may be added or an appendix may be attached to the report**

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
Region of York - receives some of their water from Toronto	260001929

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  
 [ ] Public access/notice via Public Request  
 [ ] Public access/notice via a Public Library  
 [ ] Public access/notice via other method \_\_\_\_\_

**Describe your Drinking-Water System**

Toronto Drinking Water Supply System consists of 4 water treatment plants, 18 pumping stations, 11 major underground storage reservoirs, 4 elevated storage tanks, approximately 540 kilometers of trunk watermains and 5,570 kilometers of distribution watermains.

Working from multiple facilities across the city, Distribution & Supply staff inspect, operate and maintain the existing water distribution and supply systems.

There are 4 Toronto Water Treatment plants:

- R.L. Clark Water Treatment Plant (Rated Capacity of 615,000 m<sup>3</sup>/day) and is located at 45 Twenty Third Street, Toronto;
- R.C. Harris Water Treatment Plant (Rated Capacity of 950,000 m<sup>3</sup>/day) and is located at 2701 Queen Street East, Toronto;
- F.J. Horgan Water Treatment Plant (Rated Capacity of 800,000 m<sup>3</sup>/day) and is located at 201 Copperfield Road, Toronto; and
- Island Water Treatment Plant (Rated Capacity of 440,000 m<sup>3</sup>/day) and is located on Centre Island, Toronto.

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

N/A

**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:**

Please note that the following amounts relate to various projects during 2024 and do not represent the total project costs. These numbers do not include normal operating and maintenance costs.

**Distribution System:**

Watermain Replacement	\$ 46.9 million
Water Service Replacement	\$ 24.2 million
Watermain Rehabilitation	\$ 29.7 million

**Water Supply:**

Facility Rehab and Standby Power	\$ 14.0 million
New Transmission Main Construction	\$ 20.3 million

**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:**

**NOTE:** "Incident date" is the date adverse result was reported to MECP-SAC; "Corrective action date" is the date the location was resampled.

<b>AWQI Number</b>	<b>Incident Date</b>	<b>Parameter</b>	<b>Result</b>	<b>Unit of Measure</b>	<b>Corrective Action</b>	<b>Corrective Action Date</b>
164373	19-Jan-24	Total Coliform	Presence	Result in 100 mL sample	Flushed watermain. Resampled. Results acceptable.	19-Jan-24
164625	14-Mar-24	Total Coliform	Presence	Result in 100 mL sample	Flushed watermain. Resampled. Results acceptable.	15-Mar-24
164853	20-Apr-24	Total Coliform	Presence	Result in 100 mL sample	Flushed watermain. Resampled. Results acceptable.	21-Apr-24
164956	15-May-24	Total Coliform	Presence	Result in 100 mL sample	Flushed watermain. Resampled. Results acceptable.	15-May-24
164980	19-May-24	Total Coliform	Presence	Result in 100 mL sample	Flushed watermain. Resampled. Results acceptable.	20-May-24
165068	29-May-24	Total Coliform	Presence	Result in 100 mL sample	Flushed watermain. Resampled. Results acceptable.	29-May-24
165084	30-May-24	Total Coliform	Presence	Result in 100 mL sample	Flushed watermain. Resampled. Results acceptable.	30-May-24
165288	21-Jun-24	Total Coliform	Presence	Result in 100 mL sample	Flushed watermain. Resampled. Results acceptable.	21-Jun-24
165293	22-Jun-24	Total Coliform	Presence	Result in 100 mL sample	Flushed watermain. Resampled. Results acceptable.	22-Jun-24
165388	28-Jun-24	Total Coliform	Presence	Result in 100 mL sample	Flushed watermain. Resampled. Results acceptable.	28-Jun-24
165564	12-Jul-24	Total Coliform	Presence	Result in 100 mL sample	Flushed watermain. Resampled. Results acceptable.	13-Jul-24
165637	17-Jul-24	Total Coliform	Presence	Result in 100 mL sample	Flushed watermain. Resampled. Results acceptable.	18-Jul-24
165653	18-Jul-24	Total Coliform	Presence	Result in 100 mL sample	Flushed Hydrant. Resampled. Results Acceptable	18-Jul-24
165666	19-Jul-24	Total Coliform	1	CFU100ML	Flushed watermain. Resampled. Results acceptable.	19-Jul-24



<b>AWQI Number</b>	<b>Incident Date</b>	<b>Parameter</b>	<b>Result</b>	<b>Unit of Measure</b>	<b>Corrective Action</b>	<b>Corrective Action Date</b>
165692	22-Jul-24	Total Coliform	1	CFU100ML	Flushed watermain. Resampled. Results acceptable.	21-Jul-24
165693	22-Jul-24	Total Coliform	1	CFU100ML	Flushed watermain. Resampled. Results acceptable.	22-Jul-24
165796	26-Jul-24	Total Coliform	Presence	Result in 100 mL sample	Flushed watermain. Resampled. Results acceptable.	26-Jul-24
165798	26-Jul-24	Total Coliform	Presence	Result in 100 mL sample	Flushed watermain. Resampled. Results acceptable.	26-Jul-24
165814	28-Jul-24	Total Coliform	Presence	Result in 100 mL sample	Flushed watermain. Resampled. Results acceptable.	29-Jul-24
165898	04-Aug-24	Total Coliform	Presence	Result in 100 mL sample	Flushed watermain. Resampled. Results acceptable.	04-Aug-24
165932	08-Aug-24	Total Coliform	Presence	Result in 100 mL sample	Flushed watermain. Resampled. Results acceptable.	08-Aug-24
165933	08-Aug-24	Total Coliform	Presence	Result in 100 mL sample	Flushed watermain. Resampled. Results acceptable.	08-Aug-24
166011	15-Aug-24	Total Coliform	Presence	Result in 100 mL sample	Flushed watermain. Resampled. Results acceptable.	15-Aug-24
166021	17-Aug-24	Total Coliform	Presence	Result in 100 mL sample	Flushed watermain. Resampled. Results acceptable.	17-Aug-24
166030	19-Aug-24	E. Coli Total Coliform	Presence	Result in 100 mL sample	Flushed watermain. Resampled. Results acceptable.	19-Aug-24
166237	07-Sep-24	Total Coliform	Presence	Result in 100 mL sample	Flushed watermain. Resampled. Results acceptable.	07-Sep-24
166289	12-Sep-24	Total Coliform	Presence	Result in 100 mL sample	Flushed watermain. Resampled. Results acceptable.	13-Sep-24
166306	13-Sep-24	Total Coliform	Presence	Result in 100 mL sample	Flushed watermain. Resampled. Results acceptable.	13-Sep-24
166311	14-Sep-24	Total Coliform	4	CFU100ML	Flushed watermain. Resampled. Results acceptable.	16-Sep-24
166337	16-Sep-24	EC TEXT TC TEXT	NDOGN NDOGN	NONE NONE	Flushed watermain. Resampled. Results acceptable.	17-Sep-24



<b>AWQI Number</b>	<b>Incident Date</b>	<b>Parameter</b>	<b>Result</b>	<b>Unit of Measure</b>	<b>Corrective Action</b>	<b>Corrective Action Date</b>
166382	19-Sep-24	Total Coliform	Presence	Result in 100 mL sample	Flushed watermain. Resampled. Results acceptable.	19-Sep-24
166400	21-Sep-24	Total Coliform	2	CFU100ML	Flushed watermain. Resampled. Results acceptable.	22-Sep-24
166418	24-Sep-24	Total Chlorine	<0.25	mg/L	Flushed Hydrant. Resampled. Results Acceptable	25-Sep-24
166421	24-Sep-24	Total Chlorine	<0.25	mg/L	Flushed Hydrant. Resampled. Results Acceptable	25-Sep-24
166434	25-Sep-24	Total Coliform	Presence	Result in 100 mL sample	Flushed watermain. Resampled. Results acceptable.	25-Sep-24
166483	29-Sep-24	Total Coliform	Presence	Result in 100 mL sample	Flushed watermain. Resampled. Results acceptable.	30-Sep-24
166484	29-Sep-24	Total Coliform	Presence	Result in 100 mL sample	Flushed watermain. Resampled. Results acceptable.	30-Sep-24
166506	01-Oct-24	Total Coliform	Presence	Result in 100 mL sample	Flushed watermain. Resampled. Results acceptable.	01-Oct-24
166520	02-Oct-24	Total Coliform	Presence	Result in 100 mL sample	Flushed Hydrant. Resampled. Results Acceptable	03-Oct-24
166528	02-Oct-24	Total Coliform	Presence	Result in 100 mL sample	Flushed watermain. Resampled. Results acceptable.	02-Oct-24
166529	02-Oct-24	Total Coliform	Presence	Result in 100 mL sample	Flushed watermain. Resampled. Results acceptable.	03-Oct-24
166530	02-Oct-24	Total Coliform	Presence	Result in 100 mL sample	Flushed watermain. Resampled. Results acceptable.	03-Oct-24
166539	03-Oct-24	E. Coli Total Coliform	3 4	CFU100ML CFU100ML	Flushed watermain. Resampled. Results acceptable.	04-Oct-24
166561	04-Oct-24	Total Coliform	4	CFU100ML	Flushed watermain. Resampled. Results acceptable.	04-Oct-24
166573	05-Oct-24	E. Coli Total Coliform	1 1	CFU100ML CFU100ML	Flushed watermain. Resampled. Results acceptable.	05-Oct-24
166574	05-Oct-24	EC TEXT TC TEXT	NDOGT NDOGT	NONE	Flushed watermain. Resampled. Results acceptable.	05-Oct-24



<b>AWQI Number</b>	<b>Incident Date</b>	<b>Parameter</b>	<b>Result</b>	<b>Unit of Measure</b>	<b>Corrective Action</b>	<b>Corrective Action Date</b>
166582	06-Oct-24	Total Coliform	3	CFU100ML	Flushed watermain. Resampled. Results acceptable.	07-Oct-24
166584	06-Oct-24	Total Coliform	Presence	Result in 100 mL sample	Flushed watermain. Resampled. Results acceptable.	07-Oct-24
166585	06-Oct-24	Total Coliform	Presence	Result in 100 mL sample	Flushed watermain. Resampled. Results acceptable.	07-Oct-24
166599	08-Oct-24	E. Coli Total Coliform	1 1	CFU100ML CFU100ML	Flushed watermain. Resampled. Results acceptable.	08-Oct-24
166601	08-Oct-24	Total Coliform	3	CFU100ML	Flushed watermain. Resampled. Results acceptable.	08-Oct-24
166602	08-Oct-24	Total Coliform	3	CFU100ML	Flushed watermain. Resampled. Results acceptable.	08-Oct-24
166611	09-Oct-24	Total Chlorine	<0.25	mg/L	Flushed Hydrant. Resampled. Results Acceptable	09-Oct-24
166643	12-Oct-24	Total Coliform	Presence	Result in 100 mL sample	Flushed watermain. Resampled. Results acceptable.	13-Oct-24
166676	17-Oct-24	Total Chlorine	<0.25	mg/L	Flushed Watermain. Resampled. Results Acceptable.	18-Oct-24
166677	17-Oct-24	Total Chlorine	<0.25	mg/L	Flushed Hydrant. Resampled. Results Acceptable	18-Oct-24
166758	25-Oct-24	Total Coliform	Presence	Result in 100 mL sample	Flushed watermain. Resampled. Results acceptable.	25-Oct-25
166759	25-Oct-24	Total Coliform	Presence	Result in 100 mL sample	Flushed watermain. Resampled. Results acceptable.	25-Oct-24
166762	27-Oct-24	Total Coliform	Presence	Result in 100 mL sample	Flushed watermain. Resampled. Results acceptable.	27-Oct-24
166838	06-Nov-24	Total Coliform	Presence	Result in 100 mL sample	Flushed watermain. Resampled. Results acceptable.	06-Nov-24
166840	06-Nov-24	Total Coliform	Presence	Result in 100 mL sample	Flushed watermain. Resampled. Results acceptable.	06-Nov-24
166847	07-Nov-24	Total Coliform	Presence	Result in 100 mL sample	Flushed watermain. Resampled. Results acceptable.	07-Nov-24



<b>AWQI Number</b>	<b>Incident Date</b>	<b>Parameter</b>	<b>Result</b>	<b>Unit of Measure</b>	<b>Corrective Action</b>	<b>Corrective Action Date</b>
166855	08-Nov-24	E. Coli Total Coliform	2 12	CFU100ML CFU100ML	Flushed watermain. Resampled. Results acceptable.	08-Nov-24
166856	08-Nov-24	E. Coli Total Coliform	4 10	CFU100ML CFU100ML	Flushed watermain. Resampled. Results acceptable.	08-Nov-24
166891	17-Nov-24	Total Coliform	Presence	Result in 100 mL sample	Flushed watermain. Resampled. Results acceptable.	17-Nov-24
166906	20-Nov-24	Total Coliform	Presence	Result in 100 mL sample	Flushed watermain. Resampled. Results acceptable.	21-Nov-24
166907	20-Nov-24	Total Coliform	Presence	Result in 100 mL sample	Flushed watermain. Resampled. Results acceptable.	21-Nov-24
166915	21-Nov-24	Total Chlorine	<0.25	mg/L	Flushed Hydrant. Resampled. Results Acceptable	22-Nov-24
166919	212-Nov-24	E. Coli Total Coliform	3 11	CFU100ML CFU100ML	Flushed watermain. Resampled. Results acceptable.	22-Nov-24
166920	22-Nov-24	E. Coli Total Coliform	6 15	CFU100ML CFU100ML	Flushed watermain. Resampled. Results acceptable.	22-Nov-24
166921	22-Nov-24	E. Coli Total Coliform	6 12	CFU100ML CFU100ML	Flushed watermain. Resampled. Results acceptable.	23-Nov-24
166926	23-Nov-24	E. Coli Total Coliform	1 2	CFU100ML CFU100ML	Flushed watermain. Resampled. Results acceptable.	23-Nov-24
166941	25-Nov-24	Total Chlorine	<0.25	mg/L	Flushed Hydrant. Resampled. Results Acceptable	26-Nov-24
166942	26-Nov-24	Total Coliform	4	CFU100ML	Flushed watermain. Resampled. Results acceptable.	27-Nov-24
166961	28-Nov-24	Total Coliform	1	CFU100ML	Flushed watermain. Resampled. Results acceptable.	28-Nov-24
166965	29-Nov-24	E. Coli Total Coliform	1 1	CFU100ML CFU100ML	Flushed watermain. Resampled. Results acceptable.	30-Nov-24
166973	01-Dec-24	Total Coliform	1	CFU100ML	Flushed watermain. Resampled. Results acceptable.	02-Dec-24
166995	03-Dec-24	Total Coliform	1	CFU100ML	Flushed watermain. Resampled. Results acceptable.	03-Dec-24



<b>AWQI Number</b>	<b>Incident Date</b>	<b>Parameter</b>	<b>Result</b>	<b>Unit of Measure</b>	<b>Corrective Action</b>	<b>Corrective Action Date</b>
166996	03-Dec-24	Total Coliform	2	CFU100ML	Flushed watermain. Resampled. Results acceptable.	03-Dec-24
167006	04-Dec-24	Total Coliform	3	CFU100ML	Flushed watermain. Resampled. Results acceptable.	04-Dec-24
167011	05-Dec-24	Total Coliform	Presence	Result in 100 mL sample	Flushed watermain. Resampled. Results acceptable.	05-Dec-24
167013	05-Dec-24	Total Chlorine	<0.25	mg/L	Flushed Hydrant. Resampled. Results Acceptable	06-Dec-24
167025	05-Dec-24	Total Coliform	Presence	Result in 100 mL sample	Flushed watermain. Resampled. Results acceptable.	07-Dec-24
167033	08-Dec-24	E. Coli Total Coliform	3 3	CFU100ML CFU100ML	Flushed watermain. Resampled. Results acceptable.	08-Dec-24
167034	08-Dec-24	Total Coliform	Presence	Result in 100 mL sample	Flushed watermain. Resampled. Results acceptable.	08-Dec-24
167044	10-Dec-24	Total Coliform	2	CFU100ML	Flushed watermain. Resampled. Results acceptable.	09-Dec-24
167057	11-Dec-24	Total Coliform	Presence	Result in 100 mL sample	Flushed watermain. Resampled. Results acceptable.	12-Dec-24
167070	13-Dec-24	Total Coliform	4	CFU100ML	Flushed watermain. Resampled. Results acceptable.	13-Dec-24
167086	19-Dec-24	Total Chlorine	<0.25	mg/L	Flushed Hydrant. Resampled. Results Acceptable	20-Dec-24
167094	21-Dec-24	Total Coliform	Presence	Result in 100 mL sample	Flushed watermain. Resampled. Results acceptable.	21-Dec-24
167104	23-Dec-24	Total Coliform	2	CFU100ML	Flushed watermain. Resampled. Results acceptable.	23-Dec-24
167116	26-Dec-24	Total Coliform	1	CFU100ML	Flushed watermain. Resampled. Results acceptable.	27-Dec-24
167132	29-Dec-24	Total Coliform	2	CFU100ML	Flushed watermain. Resampled. Results acceptable.	30-Dec-24

**NDOGN = No Data; plate overgrown with non-target organisms**

**\*NOTE:** Sample analyzed by Membrane filtration and P/A.





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

	<b>Number of Samples</b>	<b>Range of E.Coli Results (min.) - (max.) or P/A</b>	<b>Range of Total coliform Results (min.) - (max.) or P/A</b>	<b>Number of HPC Samples</b>	<b>Range of HPC Results (min.) - (max.)</b>
*Distribution	3290	3290 (100%A)	3288A (99.9%A)	3285	0 - 5700
Transmission	1676	1676A (100%A)	1675A (99.9%A)	1671	0 - 318
Main Work	1316	1315A (99.9%A)	1269A (96.4%A)	1309	0 - 5000
Resample and vicinity	282	0 -NDOGT 269A (95%A)	0-NDOGT 250A (88.6%A)	279	0 - 155

**\*NOTE:** "Distribution" includes samples submitted for Water Quality Inquiry as well as distribution samples; "Resample and vicinity" samples are processed by Membrane filtration technique. The rest of the samples are processed using the Presence/Absence technique.

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

**For Distribution**

	<b>Number of Grab Samples</b>	<b>Range of Results (min.) - (max.)</b>
Turbidity	3244	0 - 25.7 NTU
Chlorine	3297	0 - 2.34 mg/L

**For Transmission**

	<b>Number of Grab Samples</b>	<b>Range of Results (min.) - (max.)</b>
Turbidity	1676	0 - 0.96 NTU
Chlorine	1676	0.50 - 2.46 mg/L

**For Main Work**

	<b>Number of Grab Samples</b>	<b>Range of Results (min.) - (max.)</b>
Turbidity	1317	0.09 - 4.7 NTU
Chlorine	1317	0.44 - 2.74 mg/L

**For Resample/Vicinity**

	<b>Number of Grab Samples</b>	<b>Range of Results (min.) - (max.)</b>
Turbidity	284	0.10 - 1.8 NTU
Chlorine	287	0.41 - 2.20 mg/L



**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
NONE	NONE	NONE	NONE	NONE

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

Parameter	Sample Date	Result Value (min.) - (max.)	Unit of Measure	Exceedance
Nitrate	Jan - Dec 2024	0.25 – 0.52	mg/L	No
Nitrite	Jan - Dec 2024	0 - 0.004	mg/L	No
Sodium	Jan - Dec 2024	13.1 – 18.3	mg/L	No

**NOTE:** A result of “0” indicates that the result obtained was below the method detection/reporting limit.

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

Parameter	Sample Date	Result Value (min.) - (max.)	Unit of Measure	Exceedance
Antimony	Jan – Dec 2024	0 – 0	mg/L	No
Arsenic	Jan – Dec 2024	0.0004 – 0.0009	mg/L	No
Barium	Jan – Dec 2024	0.0199 – 0.0223	mg/L	No
Boron	Jan – Dec 2024	0.0210– 0.0243	mg/L	No
Cadmium	Jan – Dec 2024	0 – 0	mg/L	No
Chromium	Jan – Dec 2024	0 – 0.0003	mg/L	No
Nitrate	Jan - Dec 2024	0.39 - 0.39	mg/L	No
Nitrite	Jan - Dec 2024	0.006 – 0.006	mg/L	No
Selenium	Jan – Dec 2024	0 – 0	mg/L	No
Sodium	Jan - Dec 2024	15.4-15.4	mg/L	No
Uranium	Jan – Dec 2024	0.0002 – 0.0003	mg/L	No

**NOTE:** A result of “0” indicates that the result obtained was below the method detection/reporting limit.

**Summary of Lead (Pb) testing under Schedule 15.1 during this reporting period as per the current Drinking Water System License:**

Location Type	Number of Samples	Range of Lead Results (min.) - (max.)	Unit of Measure	Number of Exceedances
Plumbing	116	0 – 0.0086	mg/L	None
Distribution	14	0 – 0.00017	mg/L	None

**NOTE:** A result of “0” indicates that the result obtained was below the method detection/reporting limit.



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

Parameter	Sample Date	Result Value (min.) - (max.)	Unit of Measure	Exceedance
Benzene	Jan-Dec 2024	0 - 0	µg/L	No
Carbon Tetrachloride	Jan-Dec 2024	0 - 0	µg/L	No
1,2-Dichlorobenzene	Jan-Dec 2024	0 - 0	µg/L	No
1,4-Dichlorobenzene	Jan-Dec 2024	0 - 0	µg/L	No
1,2-Dichloroethane	Jan-Dec 2024	0 - 0	µg/L	No
1,1-Dichloroethylene (vinylidene chloride)	Jan-Dec 2024	0 - 0	µg/L	No
Dichloromethane	Jan-Dec 2024	0 – 3.0	µg/L	No
Monochlorobenzene	Jan-Dec 2024	0 - 0	µg/L	No
THM (NOTE: show latest annual average)	Jan-Dec 2024	11.7	µg/L	No
Tetrachloroethylene	Jan-Dec 2024	0 - 0	µg/L	No
Trichloroethylene	Jan-Dec 2024	0 - 0	µg/L	No
Vinyl Chloride	Jan-Dec 2024	0 - 0	µg/L	No

**NOTE:** A result of “0” indicates that the result obtained was below the method detection/reporting limit.

**Summary of Organic parameters sampled during this reporting period or the most recent sample results for TRANSMISSION (SUPPLY) samples:**

Parameter	Sample Date	Result Value (min.) - (max.)	Unit of Measure	Exceedance
Benzene	Jan-Dec 2024	0 - 0	µg/L	No
Carbon Tetrachloride	Jan-Dec 2024	0 - 0	µg/L	No
1,2-Dichlorobenzene	Jan-Dec 2024	0 - 0	µg/L	No
1,4-Dichlorobenzene	Jan-Dec 2024	0 - 0	µg/L	No
1,2-Dichloroethane	Jan-Dec 2024	0 - 0	µg/L	No
1,1-Dichloroethylene (vinylidene chloride)	Jan-Dec 2024	0 - 0	µg/L	No
Dichloromethane	Jan-Dec 2024	0 – 3.1	µg/L	No
Monochlorobenzene	Jan-Dec 2024	0 - 0	µg/L	No
THM (NOTE: show latest annual average)	Jan-Dec 2024	11.3	µg/L	No
Tetrachloroethylene	Jan-Dec 2024	0 - 0	µg/L	No
Trichloroethylene	Jan-Dec 2024	0 - 0	µg/L	No
Vinyl Chloride	Jan-Dec 2024	0 - 0	µg/L	No

**NOTE:** A result of “0” indicates that the result obtained was below the method detection/reporting limit.

**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
NONE	NONE	NONE	NONE