Attachment – 1

February 5, 2026

ANNUAL WATER QUALITY REPORT

Drinking-Water System Number:	260003097
Drinking-Water System Name:	Vaughan Distribution System
Drinking-Water System Owner:	The Corporation of the City of Vaughan
Drinking-Water System Category:	Large Municipal - Residential
Period being reported:	January 1, 2025 to December 31, 2025

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

Does your Drinking-Water System serve more than 10,000 people? Yes ☒ No ☐

Is your annual report available to the public at no charge on a web site on the Internet? Yes ☒ No ☐

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

https://www.vaughan.ca/residential/water-wastewater-and-stormwater/water-services/water-quality

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

None

Did you provide a copy of your annual report to all Drinking Water System owners that are connected to you and whom you provide all of its drinking water?

☐ Yes

☐ No

☒ Not applicable

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

The Vaughan Distribution System consists of one booster pumping station (Maplewood Booster Station/North Maple Booster Station), one pressure elevating system (Woodland Acres Pressure Elevating System), and trunk and distribution watermains in the City of Vaughan.

Drinking water for the City of Vaughan is supplied from York Region, who obtains water from the City of Toronto and the Region of Peel. The City of Toronto operates four water treatment plants using Lake Ontario as a raw water source. The Region of Peel operates two water treatment plants using Lake Ontario as a raw water source.

List all water treatment chemicals used over this reporting period.

Water is treated by the City of Toronto and the Region of Peel. Lists of chemicals used for the treatment of the water supplied to the City of Vaughan are available on their websites, www.toronto.ca and www.peelregion.ca, respectively.

Were any significant expenses incurred to?

☐ Install required equipment

☒ Repair required equipment

☒ Replace required equipment

Brief description and a breakdown of monetary expenses incurred:

- Watermain replacements – $7,446,601
- Scheduled and emergency valve repairs and maintenance – $616,635
- Scheduled and emergency main repairs – $1,381,410
- Scheduled and emergency hydrant repairs, maintenance, and inspections – $2,183,749
- Operation and maintenance of the booster pumping station and pressure elevating system – $54,300
- Scheduled and emergency water service repairs – $1,066,224
- Water meter maintenance and installation – $1,622,671
- Chamber repairs – $297,093

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	Incident Resolution Date
2025/06/02	Combined Chlorine	3.4	mg/L	Flush and retest	2025/06/02
2025/06/06	Combined Chlorine	3.6	mg/L	Flush and retest	2025/06/06
2025/06/10	Combined Chlorine	3.2	mg/L	Flush and retest	2025/06/10
2025/06/10	Combined Chlorine	3.1	mg/L	Flush and retest	2025/06/10
2025/07/07	Total Coliform	TC – P	P-A/100mL	Flush and resample	2025/07/14
2025/07/14	Total Coliform	TC – P	P-A/100mL	Flush and resample	2025/07/18
2025/07/15	Total Coliform	TC – P	P-A/100mL	Flush and resample	2025/07/21
2025/07/22	Total Coliform	TC – P	P-A/100mL	Flush and resample	2025/07/28

Incident Date	Parameter	Result	Unit of Measure	Corrective Action	Incident Resolution Date
2025/09/25	Combined Chlorine	5.2	mg/L	Flush and retest	2025/09/25

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

Location Type	Number of Samples	Range of E.Coli or Fecal Results Present (P) / Absent (A)	Range of Coliform Results Present (P) / Absent (A)	# of HPC Samples	Range of HPC Results (cfu/1mL)
Distribution	1,800	A – A MPN/100mL	A – P MPN/100mL	900	<1 CFU/mL – 120 CFU/mL

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 #)
Combined Chlorine	2,165	0.66mg/L – 5.2 mg/L
Turbidity	N/A	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 Issuance	Parameter	Date Last Sampled	Range of Results	Unit of Measure
05/23/19	Nitrosodimethylamine (NDMA)	2025/12/16	<0.0009 – 0.0013	µg/L

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	2025/11/14	<0.0005	mg/L	No
Arsenic	2025/11/14	0.0006	mg/L	No
Cadmium	2025/11/14	<0.0005	mg/L	No
Chromium	2025/11/14	<0.0005	mg/L	No
Selenium	2025/11/14	<0.0005	mg/L	No
Sodium	2025/11/14	14. 4	mg/L	No
Fluoride	2025/11/14	0.57	mg/L	No
Nitrite	2025/12/04	<0.05	mg/L	No
Nitrate	2025/12/04	<0.50	mg/L	No

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

Location Type	Number of Samples	Range of Lead Results (min #) – (max #)	Number of Exceedances
Plumbing	0	Not Applicable	Not Applicable
Distribution	20	<0.0005 - 0.0048	0

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

Parameter	Sample Date	Running Annual Average Result	Unit of Measure	Exceedance
Haloacetic Acids (HAA's)	4/year	8.25	µg/L	No
Trihalomethane (THM)	4/year	17.3	µg/L	No

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			