



The Corporation of the Township of King Report to Council

From: Public Works Department - Environmental Services Division

Report Number: PW-ENV-2025-002

Date: Monday, February 10, 2025

Title: **2024 Water Annual Summary Report**

Recommendation

1. That Council receive Report Number PW-ENV-2025-002 for information.

1. Report Highlights

- **Reporting:** The Public Works Department has completed the Annual Report for each of the four (4) Municipal Drinking Water Systems, in compliance with Section 11 of O.Reg 170/03. Furthermore, this Council report satisfies Schedule 22 of O. Reg 170/03 to provide Council a Drinking Water Annual Summary Report.
- **Commitment to Safe Drinking Water:** The Township of King consistently provides safe drinking water to residents, businesses, and visitors through the Ansnorveldt, King City, Nobleton, and Schomberg municipal water distribution systems.
- **Legislative Compliance:** The Township of King continues to meet or exceed all legislative requirements as an accredited operating authority.
- **Regulatory Sampling:** All regulatory sampling was conducted in accordance with regulatory requirements. There were three (3) occurrences of Adverse Water Quality Incidents in King City, these incidents did not pose a health risk to the public.
- **Operational Performance:** The current operational performance and ongoing implementation of the Township's Quality Management System for Drinking Water remain effective.

2. Purpose

This report is to inform Council that the Public Works Department has prepared an Annual Report for the four (4) Municipal Drinking Water Systems as required under Section 11 of [O.Reg.170/03](#). Annual Reports are available for viewing or download on the Township of King website (www.king.ca), at no cost to the public. This report also fulfills the requirement to provide members of Council with an Annual Summary Report as outlined in Schedule 22 of O.Reg.170/03.

3. Background

Annual Summary Report for Council

The Annual Summary Report helps Council, the owner of the water systems, assess their ability to meet current and future water demands. As specified in Schedule 22 of O.Reg. 170/03, the report must:

1. List the requirements of the [Safe Drinking Water Act](#) (SDWA), the regulations, the system's approval, drinking water works permit, municipal drinking water license, and any orders applicable to the system that were not met at any time during the period covered by the report.
2. For each requirement that was not met, specify the duration of the failure and the measures that were taken to correct the failure.
3. A summary of the quantities and flow rates of the water supplied during the period covered by the report, including monthly average and maximum daily flows.
4. A comparison of the summary referred to in point (3), to the rated capacity and flow rates approved in the system's approval, drinking water works permit or municipal drinking water license, or if the system is receiving all of its water from another system under an agreement pursuant to subsection 5 (4) of O.Reg. 170/03, to the flow rates specified in the written agreement.
5. The Summary Report is made available on the Township website and can be obtained free of charge from the Public Works Department.

Standard of Care Provision of the Safe Drinking Water Act

Section 19 of the SDWA outlines the standard of care required for owners and operators of municipal drinking water systems. They must:

- Exercise the level of care, diligence and skill in respect of a municipal drinking water system that a reasonably prudent person would be expected to exercise in a similar situation; and
- Act honestly, competently and with integrity, with a view to ensuring the protection and safety of the users of the municipal drinking water system.

Non-compliance with section 19 is an offence and may result in prosecution of individuals or corporations.

4. Analysis

King City

System Description

- Service population: 7120
- Number of connections: 2439
- Kilometers of watermain: 66.88
- Classification: Large Municipal Residential System – Class 1

Water Quality

All sampling was conducted in accordance with legislative requirements.

The King City DWS experienced three (3) adverse water quality incidents (AWQI) within the reporting year, detailed in Table 1 below. The unit of measurement for Total Coliform is Absent or Present.

Table 1. King City - AWQI Summary

Incident Date	Parameter	Result	Unit of Measure	Corrective Action	Corrective Action Date
June 24, 2024	Total Coliform	P	A/P	Watermain flushed on June 25, 2024 following notification of AWQI. Re-samples collected on June 25, 2024 and June 26, 2024 at adverse location and closest sample stations, as there is no upstream sample location.	June 25, 2024
July 15, 2024	Total Coliform	P	A/P	Watermain flushed on July 17, 2024 following notification of AWQI. Re-samples collected on July 17, 2024 and July 18, 2024, at adverse location and closest sample stations, as there is no downstream sample location.	July 17, 2024
July 22, 2024	Total Coliform	P	A/P	Watermain flushed on July 24, 2024 following notification of AWQI. Re-samples collected on July 24, 2024 and July 25, 2024 at adverse location and closest sample stations, as there is no upstream sample location.	July 24, 2024

Water System Capacity Assessment

The maximum daily flow of 5,780m³ occurred on July 26th, 2024, with an overall average daily flow of 2,690m³, for the reporting period from January 2024 to December 2024 (statistical flow data provided by York Region).

Water System Upgrades/Repairs

Sample Stations alterations were completed to improve representative coverage of the DWS:

- Sample Station installation at Manitou Dr. (End of cul-de-sac), completed March 27, 2024.
- Sample Station installation at Hogan Court. (End of cul-de-sac), completed February 23, 2024.
- Sample Station installation at 65 Springhill Dr. (in front of school), completed March 7, 2024.
- Sample Station removal at 28 Charles Street, completed on January 31, 2024.
- Sample Station replacement at Tatton Court, completed July 25, 2024.

There were three watermain leak repairs completed in the reporting period:

- Watermain Break Repair: Jan 22, 2024, at 146 Patricia Drive.
- Watermain Break Repair: Dec 3, 2024, at 3 Gilham Circle.
- Watermain Break Repair: Feb 5, 2024, at 1793 15th Sideroad.

Schomberg

System Description

- Service population: 2516
- Number of connections: 862
- Kilometers of watermain: 15.98
- Classification: Large Municipal Residential System – Class 1

Water Quality

Regulatory sampling in the DWS met all applicable requirements. There were no Adverse Water Quality Incidents in the reporting period.

Water System Capacity Assessment

The maximum daily flow of 3,095m³ occurred on December 18, 2024, with an overall average daily flow of 1,967m³, for the reporting period from January 2024 to December 2024 (statistical flow data provided by York Region).

Water System Upgrades/Repairs

Sample Stations alterations were completed to improve representative coverage of the DWS:

- Sample Station installation at Osin Lion's Park, completed February 13, 2024.
- Sample Station installation at 21 Main St. (On Hwy 27 by hydrant), completed February 26, 2024.
- Sample Station removal at Summit Ridge Trail, completed on January 31, 2024.

Nobleton

System Description

- Service population: 6860
- Number of connections: 2085
- Kilometers of watermain: 45.17
- Classification: Large Municipal Residential System – Class 1

Water Quality

Regulatory sampling in the DWS met all applicable requirements. There were no Adverse Water Quality Incidents in the reporting period.

Water System Capacity Assessment

The maximum daily flow of 4,604m³ occurred on June 19th, 2024, with an overall average daily flow of 1,881m³, for the reporting period from January 2024 to December 2024 (statistical flow data provided by York Region).

Water System Upgrades/Repairs

Sample Stations alterations were completed to improve representative coverage of the DWS:

- Sample Station installation at MacTaggart (Park by hydrant), completed February 8, 2024.

- Sample Station installation at Northcott Way (End of cul-de-sac), completed March 11, 2024.
- Sample Station installation at Hawthorne Valley Rd. (End of cul-de-sac), February 28, 2024.
- Sample Station removal at Duck Trail, completed October 16, 2024.

There was one watermain leak repair completed in the reporting period:

- Watermain Break Repair: Feb 1, 2024, at 20 Noblewood Drive.

Ansnorveldt

System Description

- Service population: 163
- Number of connections: 56
- Kilometers of watermain: 1.4
- Classification: Small Municipal Residential System – Class 1

Water Quality

Regulatory sampling in the DWS met all applicable requirements. There were no Adverse Water Quality Incidents in the reporting period.

Water System Capacity Assessment

The maximum daily flow of 108m³ occurred on July 9th, 2024, with an overall average daily flow of 43m³, for the reporting period from January 2024 to December 2024 (statistical flow data provided by York Region).

Water System Upgrades/Repairs

A Sample Station was relocated on Bernhardt Road.

Ministry of the Environment, Conservation and Parks Inspection

As of the compilation of this Council Report, the 2024 MECP Inspection is ongoing, and the results are yet to be determined. The most recent finalized inspection is for the 2023 reporting period, and its results were included in the 2023 Water Annual Summary Report provided to the Council in February 2024.

Municipal Drinking Water License Program

Accreditation

External audits inform the accreditation process under the Drinking Water Quality Management Standard (DWQMS). To maintain accreditation ongoing assessment and evaluation by a third-party is required.

The Township received re-accreditation by SAI Global in July 2022. A surveillance audit was conducted in 2023 and again on May 15, 2024. The 2024 audit identified zero non-conformities and one (1) opportunity for improvement (OFI), detailed below.

- OFI 1: (summarized) The 36-month comprehensive risk assessment and the annual verification processes are similar. For the 2026 assessment, remove all numbers from the outcome table to avoid influencing participants. Do not use 'review' in the description of the 36-month assessment process.
- Response: The risk assessment procedure has been revised as part of the entire Operational Plan review and update. The comprehensive risk assessment will be undertaken in 2026.

In 2025 the Township will start the re-accreditation process, this encompasses virtual and in-person audits conducted by SAI Global throughout April and May 2025.

Municipal Drinking Water Licenses

A Municipal Drinking Water License (MDWL) is issued for five (5) years; the current MDWL for each drinking water system expires on October 22, 2025, to ensure continued licensing a renewal application for each Drinking Water System will be submitted on or before the renewal due date of April 22, 2025.

No updates during this reporting period for the following MDWLs:

- King City License: 121-103 Issue 3
- Nobleton License: 121-102 Issue 3
- Schomberg License: 121-101 Issue 4
- Ansnorveldt License: 121-104 Issue 3

Drinking Water Works Permit (DWWP)

No updates during this reporting period for the following DWWPs

- King City Permit: 121-203 Issue 5
- Nobleton Permit: 121-102 Issue 4
- Schomberg Permit: 121-101 Issue 4
- Ansnorveldt Permit: 121-104 Issue 4

Regulatory Changes

No regulatory changes that will affect the DWS in the reporting period.

5. Financial Considerations

There are no financial implications associated with this report as it is for information purposes only. The water and wastewater budget are fully recoverable from the water and wastewater rate as part of the annual budget process.

6. Alignment to Strategic Plan

The 2023-2026 Corporate Strategic Plan (CSP) was adopted by Council on June 12, 2023. The CSP reflects the priorities of upmost importance to the community and defines the obligations and commitments of the Township of King to its citizens and to the public. The CSP is aligned with the Townships long-term vision defined in the “Our King” Official Plan. The CSP also aims to ensure that staff initiatives focus on and work towards supporting King’s Vision, Mission and Values.

This report is in alignment with the CSP’s Priority Area(s), and/or associated Objective(s) and/or Key Results(s):

Priority Area: Complete Communities

Objective: Increase data-driven decision making to improve organizational performance.

7. Conclusion

The Township of King remains committed to delivering safe and reliable municipal drinking water to all residents, businesses, and visitors. Through the Ansnorveldt, King City, Nobleton, and Schomberg water distribution systems, we consistently meet or surpass regulatory standards.

8. Attachments

- Ansnorveldt Annual Report (2024)
- King City Annual Report (2024)
- Nobleton Annual Report (2024)
- Schomberg Annual Report (2024)

Prepared by:

Britany Hodge

Environmental Infrastructure and Compliance Supervisor

Recommended by:

Samantha Fraser

Director of Public Works

Approved for submission by:
Daniel Kostopoulos
Chief Administrative Officer



ANNUAL REPORT

Drinking-Water System Number:	260034372
Drinking-Water System Name:	Ansnorveldt
Drinking-Water System Owner:	Township of King
Drinking-Water System Category:	Small Municipal Residential
Period being reported:	January 1, 2024 to December 31, 2024

<p><u>Complete if your Category is Large</u> <u>Municipal Residential or Small Municipal Residential</u></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; width: fit-content;"><p>Township of King 2585 King Road King City, ON L7B 1A1 www.king.ca</p></div>	<p><u>Complete for all other Categories.</u></p> <p>Number of Designated Facilities served: 0</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: </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>
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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
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 [X] NA

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: Report to Council

Describe your Drinking-Water System

Distribution System Class 1

Receives all treated water from Region of York water treatment plant and groundwater wells. Secondary disinfection is provided through the maintenance of chlorine residual.

List all water treatment chemicals used over this reporting period

Refer to York Region Annual Report for the Ansnorveldt 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

Relocation of sample station \$1,400.00

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
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			N/A		
Treated			N/A		
Distribution	106	Absent	Absent	106	0-160



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

	Number of Grab Samples	Range of Results (min #)-(max #)
Free Chlorine	215	0.5-1.7
Fluoride (If the DWS provides fluoridation)		N/A

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:

Not Applicable

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. 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				
Nitrate				

*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



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

(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		N/A	
Distribution	0	N/A	0

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) + metabolites				
1,2-Dichloroethane				
1,1-Dichloroethylene (vinylidene chloride)				
Dichloromethane				
2-4 Dichlorophenol				
2,4-Dichlorophenoxy acetic acid (2,4-D)				
Diclofop-methyl				
Dimethoate				
Dinoseb				
Diquat				
Diuron				



Glyphosate				
Haloacetic Acid (HAA) (NOTE: show latest running annual average)	Nov 18, 2024	10.875	µg/L	None
Heptachlor + Heptachlor Epoxide				
Lindane (Total)				
Malathion				
Methoxychlor				
Metolachlor				
Metribuzin				
Monochlorobenzene				
Paraquat				
Parathion				
Pentachlorophenol				
Phorate				
Picloram				
Polychlorinated Biphenyls(PCB)				
Prometryne				
Simazine				
THM (NOTE: show latest running annual average)	Nov 18, 2024	56.426	µg/L	None
Temephos				
Terbufos				
Tetrachloroethylene				
2,3,4,6-Tetrachlorophenol				
Triallate				
Trichloroethylene				
2,4,6-Trichlorophenol				
2,4,5-Trichlorophenoxy acetic acid (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
THM	59.8	µg/L	February 5, 2024
THM	57.7	µg/L	May 13, 2024
THM	66	µg/L	November 18, 2024



ANNUAL REPORT

Drinking-Water System Number:	260002577
Drinking-Water System Name:	Nobleton
Drinking-Water System Owner:	Township of King
Drinking-Water System Category:	Large Municipal Residential
Period being reported:	January 1, 2024 to December 31, 2024

<p><u>Complete if your Category is Large Municipal Residential or Small Municipal Residential</u></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; width: fit-content;"><p>Township of King 2585 King Road King City, ON L7B 1A1 www.king.ca</p></div>	<p><u>Complete for all other Categories.</u></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>
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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
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 [X] NA

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

[X] Public access/notice via the web



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

- 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, Report to Council

Describe your Drinking-Water System

Distribution System Class 1

Receives all treated water from Region of York water treatment plant and groundwater wells. Secondary disinfection is provided through the maintenance of chlorine residual.

List all water treatment chemicals used over this reporting period

Refer to York Region Annual Report for the Nobleton 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

MacTaggart (Park by hydrant), completed February 8, 2024. \$5200.00

Northcott Way (End of cul de sac), completed March 11, 2024. \$5200.00

Hawthorne Valley Rd. (End of cul de sac), February 28, 2024. \$5200.00

Sample Station removal at Duck Trail, completed October 16, 2024. \$1800.00

Watermain Break Repair: Feb 1, 2024 at 20 Noblewood, associated cost: \$4700.00

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

There were no reportable incidents in the Nobleton DWS

Incident Date	Parameter	Result	Unit of Measure	Corrective Action	Corrective Action Date
N/A					



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

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

	Number of Sample s	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	218	Absent	Absent	108	0-9

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

	Number of Grab Sample s	Range of Results (min #)-(max #)	NOTE: For continuous monitors use 8760 as the number of samples.
Chlorine	378	0.83-2.9	
Fluoride (If the DWS provides fluoridation)	N/A		

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:

Not Applicable

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



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

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				
Nitrate				

*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		N/A	
Distribution	0	N/A	0

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) + metabolites				
1,2-Dichloroethane				
1,1-Dichloroethylene (vinylidene chloride)				
Dichloromethane				
2-4 Dichlorophenol				
2,4-Dichlorophenoxy acetic acid (2,4-D)				
Diclofop-methyl				
Dimethoate				
Dinoseb				
Diquat				
Diuron				
Glyphosate				
Haloacetic Acid (HAA) Running annual average	2024-11-18	9.65	µg/L	None
Heptachlor + Heptachlor Epoxide				
Lindane (Total)				
Malathion				
Methoxychlor				
Metolachlor				
Metribuzin				
Monochlorobenzene				
Paraquat				
Parathion				
Pentachlorophenol				
Phorate				
Picloram				
Polychlorinated Biphenyls(PCB)				
Prometryne				
Simazine				
THM (NOTE: show latest annual average)	2024-11-18	26.5	µg/L	None
Temephos				
Terbufos				
Tetrachloroethylene				



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

2,3,4,6-Tetrachlorophenol				
Triallate				
Trichloroethylene				
2,4,6-Trichlorophenol				
2,4,5-Trichlorophenoxy acetic acid (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
N/A			



ANNUAL REPORT

Drinking-Water System Number:	260005151
Drinking-Water System Name:	Schomberg
Drinking-Water System Owner:	Township of King
Drinking-Water System Category:	Large Municipal Residential
Period being reported:	January 1, 2024 to December 31, 2024

<p><u>Complete if your Category is Large Municipal Residential or Small Municipal Residential</u></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; width: fit-content;"><p>Township of King 2585 King Road King City, ON L7B 1A1 www.king.ca</p></div>	<p><u>Complete for all other Categories.</u></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>
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Drinking Water System Name	Drinking Water System Number
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 [X] NA

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, Report to Council

Describe your Drinking-Water System

Distribution System Class 1

Receives all treated water from Region of York water treatment plant and groundwater wells. Secondary disinfection was 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 Schomberg 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

Sample Stations installed at:

Osin Lion's Park, completed February 13, 2024. \$5200.00

21 Main St. (On Hwy 27 by hydrant), completed February 26, 2024. \$5200.00

Sample Station removal at Summit Ridge Trail, completed on January 31, 2024. \$1800.00



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

No adverse situations were observed in the reporting period.

Incident Date	Parameter	Result	Unit of Measure	Corrective Action	Corrective Action Date



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

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	212	Absent	Absent	104	0-57

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	54+6	1.36-3.87
Fluoride (If the DWS provides fluoridation)		N/A

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

*Regulatory Relief granted by MECP for Max. Concentration of Chloramines of 4.0 mg/L per Schedule D of License 121-101 Issue 4.

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
Schedule C of License 121-101 Issue 4.	NDMA	February 5, 2024	0.0009	µg/L
		May 14, 2024	0.0012	
		August 27, 2024	0.001	
		November 18, 2024	0.0011	
Schedule C of License 121-101 Issue 4.	Nitrite	February 5, 2024	0.37	mg/L
		May 13, 2024	0.53	
		August 12, 2024	0.35	
		November 18, 2024	0.52	



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

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	2024-11-18	0.52	mg/L	None
Nitrate	2024-11-18	0.5	mg/L	None

*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		N/A	
Distribution	0	N/A	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) + metabolites				
1,2-Dichloroethane				
1,1-Dichloroethylene (vinylidene chloride)				
Dichloromethane				
2-4 Dichlorophenol				
2,4-Dichlorophenoxy acetic acid (2,4-D)				
Diclofop-methyl				
Dimethoate				
Dinoseb				
Diquat				
Diuron				
Glyphosate				
Haloacetic Acid (HAA) Running annual average	2024-11-18	8.3	µg/L	None
Heptachlor + Heptachlor Epoxide				
Lindane (Total)				
Malathion				
Methoxychlor				
Metolachlor				
Metribuzin				
Monochlorobenzene				
Paraquat				
Parathion				
Pentachlorophenol				
Phorate				
Picloram				
Polychlorinated Biphenyls(PCB)				
Prometryne				
Simazine				
THM (NOTE: show latest annual average)	202411-18	4.4	µg/L	None
Temephos				
Terbufos				



Tetrachloroethylene				
2,3,4,6-Tetrachlorophenol				
Triallate				
Trichloroethylene				
2,4,6-Trichlorophenol				
2,4,5-Trichlorophenoxy acetic acid (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
Nitrite	0.53	mg/L	May 13, 2024
Nitrite	0.52	mg/L	November 18, 2024



ANNUAL REPORT

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, 2024 to December 31, 2024

<p><u>Complete if your Category is Large Municipal Residential or Small Municipal Residential</u></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; width: fit-content;"><p>Township of King 2585 King Road King City, ON L7B 1A1 www.king.ca</p></div>	<p><u>Complete for all other Categories.</u></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>
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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
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 [X] NA

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

[X] Public access/notice via the web



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

- 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, Report 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

Sample Stations installed at:

Manitou Dr. (End of cul de sac), completed March 27, 2024. \$5,200.00

Hogan Crt. (End of cul de sac), completed February 23, 2024. \$5,200.00

65 Springhill Dr. (in front of school), completed March 7, 2024. \$5,200.00

Sample Station removal at 28 Charles Street, completed on January 31, 2024. \$1,800.00

Sample Station replacement at Tatton Court, completed July 25, 2024. \$5,000.00

Watermain Break Repair: Jan 22, 2024 at 146 Patricia, associated cost: \$5,600.00

Watermain Break Repair: Dec 3, 2024 at 3 Gilham Circle, associated cost: \$8,200.00



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
June 24, 2024	Total Coliform	P	A/P	Watermain flushed on June 25, 2024 following notification of AWQI. Re-samples collected on June 25, 2024 and June 26, 2024 at adverse location and closest sample stations, as there is no upstream sample location.	June 25, 2024
July 15, 2024	Total Coliform	P	A/P	Watermain flushed on July 17, 2024 following notification of AWQI. Re-samples collected on July 17, 2024 and July 18, 2024 , at adverse location and closest sample stations, as there is no downstream sample location.	July 17, 2024
July 22, 2024	Total Coliform	P	A/P	Watermain flushed on July 24, 2024 following notification of AWQI. Re-samples collected on July 24, 2024 and July 25, 2024 at adverse location and closest sample stations, as there is no upstream sample location.	July 24, 2024



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

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	226	Absent	Absent - Present	117	0-28

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 #)	NOTE: For continuous monitors use 8760 as the number of samples.
Chloramine	391	0.46 – 2.19 (Combined)	
Fluoride (If the DWS provides fluoridation)		N/A	

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
Schedule C of License 121-103 Issue 3.	NDMA	February 5, 2024. May 14, 2024 August 27, 2024 November 18, 2024	0.0009 0.0009 0.0009 0.0013	µg/L



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

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				
Nitrate				

*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		N/A	
Distribution	0	N/A	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) + metabolites				
1,2-Dichloroethane				
1,1-Dichloroethylene (vinylidene chloride)				
Dichloromethane				
2-4 Dichlorophenol				
2,4-Dichlorophenoxy acetic acid (2,4-D)				
Diclofop-methyl				
Dimethoate				
Dinoseb				
Diquat				
Diuron				
Glyphosate				
Haloacetic Acid (HAA) (NOTE: show latest annual average)	2024-11-18	8	µg/L	None
Heptachlor + Heptachlor Epoxide				
Lindane (Total)				
Malathion				
Methoxychlor				
Metolachlor				
Metribuzin				
Monochlorobenzene				
Paraquat				
Parathion				
Pentachlorophenol				
Phorate				
Picloram				
Polychlorinated Biphenyls(PCB)				
Prometryne				
Simazine				
THM (NOTE: show latest annual average)	2024-11-18	14.75	µg/L	None
Temephos				
Terbufos				
Tetrachloroethylene				



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2,3,4,6-Tetrachlorophenol				
Triallate				
Trichloroethylene				
2,4,6-Trichlorophenol				
2,4,5-Trichlorophenoxy acetic acid (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
N/A			