

**OPTIONAL ANNUAL REPORT TEMPLATE**

<b>Drinking-Water System Number:</b>	220007800
<b>Drinking-Water System Name:</b>	Lake Rosalind Drinking Water System
<b>Drinking-Water System Owner:</b>	Municipality of Brockton
<b>Drinking-Water System Category:</b>	Small Municipal Residential
<b>Period being reported:</b>	January 1, 2025 to December 31, 2025

<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 [ ] No [ x ]</p> <p>Is your annual report available to the public at no charge on a website 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; margin-top: 10px;"> <p><b>Brockton Municipal Office</b>  <b>100 Scott St.</b>  <b>Walkerton, ON</b>  <b>N0G 2V0</b>  <b>(519) 881-2223</b></p> </div>	<p><b><u>Complete for all other Categories.</u></b></p> <p>Number of Designated Facilities served:  <input style="width: 100px; height: 20px;" 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 style="width: 100px; height: 20px;" 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

**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 Lake Rosalind water system consists of two wells known as Well #1 and Well #3. Well #1 is a shallow dug well rated at 21 liters per minute and Well #3 is a 22.9 m drilled well rated at 77 liters per minute. As groundwater is pumped from each well, treatment is achieved through cartridge filters capable of removing particles down to 1 micron in size. Prior to filtration, a chlorination system consisting of 2 chemical pumps controlled by a flow meter sensor provides disinfection with sodium hypochlorite. Flow is measured from each well before entering a 30.1 m<sup>3</sup> in-ground chlorine contact chamber followed by a 91.0 m<sup>3</sup> clear well which provides additional chlorine contact time. Treated water flow is measured as it is pumped from the clear well to the distribution system. The filtered effluent turbidity and free chlorine residual of the treated water are monitored continuously by online equipment equipped with alarms. The system is also equipped with a standby diesel generator to provide power to the Lake Rosalind well supply system during emergency situations.

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

NSF Certified Sodium Hypochlorite (12%)

**Were any significant expenses incurred?**

- Install required equipment
- Repair required equipment
- Replace required equipment

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

There were no major expenses incurred.

**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 #)
POE	0				
Raw - Well #1	13	0 – 41	0 – 111		
Raw - Well #3	12	0 – 0	0 – 1		
Distribution	52	0 – 0	0 – 0	52	<10 – 10

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

	Number of Grab Samples	Range of Results (min #)-(max #)
Turbidity Analyzer	365	0.04 - 0.16 ntu
Chlorine Analyzer	365	0.99 - 1.63
Chlorine Dist. Grab	250	0.76 - 1.52
Fluoride (If the DWS provides fluoridation)		

**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.**

Date of legal instrument issued	Parameter	Date Sampled	Result	Unit of Measure
N/A				

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

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Alkalinity	Mar. 11/25	430	mg/L	
	Sep. 09/25	394		
Antimony	Feb. 14, 2023	<0.6	ug/L	
Arsenic	Feb. 14, 2023	<0.2	ug/L	
Barium	Feb. 14, 2023	26.8	ug/L	
Boron	Feb. 14, 2023	30	ug/L	
Cadmium	Feb. 14, 2023	0.006	ug/L	
Chromium	Feb. 14, 2023	0.46	ug/L	
Lead 15.1	Mar. 14, 2023	0.24	ug/L	
	Sep. 12, 2023	0.37		
Lead	Oct. 21, 2024	0.27	ug/L	
Mercury	Feb. 14, 2023	<0.01	ug/L	
Selenium	Feb. 14, 2023	0.47	ug/L	
Sodium	Oct. 11, 2023	34.0	mg/L	Yes, Users have been notified
	Oct. 18, 2023	36.5		
Uranium	Feb. 14, 2023	0.738	ug/L	
Fluoride	Oct. 11, 2023	0.07	mg/L	
Nitrate				
1 <sup>st</sup> Quarter	Jan. 21, 2025	4.88	mg/L	½ MAC Exceedance
2 <sup>nd</sup> Quarter	Apr. 15, 2025	5.46		
3 <sup>rd</sup> Quarter	Jul. 15, 2025	6.03		
4 <sup>th</sup> Quarter	Oct. 21, 2025	5.42		
Nitrite				
1 <sup>st</sup> Quarter	Jan. 21, 2025	<0.003	mg/L	
2 <sup>nd</sup> Quarter	Apr. 15, 2025	<0.003		
3 <sup>rd</sup> Quarter	Jul. 15, 2025	<0.003		
4 <sup>th</sup> Quarter	Oct. 21, 2025	<0.003		

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

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Alachlor	Feb. 14, 2023	<0.02	ug/L	
Atrazine + N-dealkylated metabolites	Feb. 14, 2023	<0.01	ug/L	
Azinphos-methyl	Feb. 14, 2023	<0.05	ug/L	
Benzene	Feb. 14, 2023	<0.32	ug/L	
Benzo(a)pyrene	Feb. 14, 2023	<0.004	ug/L	
Bromoxynil	Feb. 14, 2023	<0.33	ug/L	
Carbaryl	Feb. 14, 2023	<0.05	ug/L	
Carbofuran	Feb. 14, 2023	<0.01	ug/L	
Carbon Tetrachloride	Feb. 14, 2023	<0.17	ug/L	
Chlorpyrifos	Feb. 14, 2023	<0.02	ug/L	

Diazinon	Feb. 14, 2023	<0.02	ug/L	
Dicamba	Feb. 14, 2023	<0.20	ug/L	
1,2-Dichlorobenzene	Feb. 14, 2023	<0.41	ug/L	
1,4-Dichlorobenzene	Feb. 14, 2023	<0.36	ug/L	
2,4-D (2,4-Dichlorophenoxy acetic acid)	Feb. 14, 2023	<0.19	ug/L	
1,2-Dichloroethane	Feb. 14, 2023	<0.41	ug/L	
1,1-Dichloroethylene (vinylidene chloride)	Feb. 14, 2023	<0.33	ug/L	
Dichloromethane	Feb. 14, 2023	<0.35	ug/L	
2-4 Dichlorophenol	Feb. 14, 2023	<0.19	ug/L	
Diclofop-methyl	Feb. 14, 2023	<0.40	ug/L	
Dimethoate	Feb. 14, 2023	<0.06	ug/L	
Diquat	Feb. 14, 2023	<1.0	ug/L	
Diuron	Feb. 14, 2023	<0.03	ug/L	
Glyphosate	Feb. 14, 2023	<1.0	ug/L	
HAA (Haloacetic Acid) 1 <sup>st</sup> Quarter 2 <sup>nd</sup> Quarter 3 <sup>rd</sup> Quarter 4 <sup>th</sup> Quarter	Jan. 21, 2025 Apr. 15, 2025 Jul. 15, 2025 Oct. 21, 2025	<5.30 12.0 <5.30 <5.30	ug/L	
Malathion	Feb. 14, 2023	<0.02	ug/L	
MCPA (2-Methyl-4-chlorophenoxyacetic acid)	Feb. 14, 2023	<0.00012	ug/L	
Metolachlor	Feb. 14, 2023	<0.01	ug/L	
Metribuzin	Feb. 14, 2023	<0.02	ug/L	
Monochlorobenzene	Feb. 14, 2023	<0.3	ug/L	
Paraquat	Feb. 14, 2023	<1.0	ug/L	
Pentachlorophenol	Feb. 14, 2023	<0.15	ug/L	
Phorate	Feb. 14, 2023	<0.01	ug/L	
Picloram	Feb. 14, 2023	<1.0	ug/L	
Polychlorinated Biphenyls(PCB)	Feb. 14, 2023	<0.04	ug/L	
Prometryne	Feb. 14, 2023	<0.03	ug/L	
Simazine	Feb. 14, 2023	<0.01	ug/L	
THM (NOTE: show latest annual average)	2025 Average	18	ug/L	
Terbufos	Feb. 14, 2023	<0.01	ug/L	
Tetrachloroethylene	Feb. 14, 2023	<0.35	ug/L	
2,3,4,6-Tetrachlorophenol	Feb. 14, 2023	<0.20	ug/L	
Triallate	Feb. 14, 2023	<0.01	ug/L	
Trichloroethylene	Feb. 14, 2023	<0.44	ug/L	
2,4,6-Trichlorophenol	Feb. 14, 2023	<0.25	ug/L	
Trifluralin	Feb. 14, 2023	<0.02	ug/L	
Vinyl Chloride	Feb. 14, 2023	<0.17	ug/L	

**List any Inorganic or Organic parameter(s) that exceeded half the standard prescribed in Schedule 2 of Ontario Drinking Water Quality Standards.**

<b>Parameter</b>	<b>Result Value</b>	<b>Unit of Measure</b>	<b>Date of Sample</b>
<b>Sodium</b>	<b>34.0</b>	<b>mg/l</b>	<b>Oct. 11, 2023</b>
<b>Sodium</b>	<b>36.5</b>	<b>mg/l</b>	<b>Oct. 18, 2023</b>
<b>Nitrate</b>	<b>5.46</b>	<b>mg/l</b>	<b>Apr. 15, 2025</b>
<b>Nitrate</b>	<b>6.03</b>	<b>mg/l</b>	<b>Jul. 15, 2025</b>
<b>Nitrate</b>	<b>5.42</b>	<b>mg/l</b>	<b>Oct. 21, 2025</b>