



ANNUAL REPORT

Drinking-Water System Number:	220001110
Drinking-Water System Name:	Coldwater Water Supply and Distribution
Drinking-Water System Owner:	The Corporation of the Township of Severn
Drinking-Water System Category:	Large Municipal Residential
Period being reported:	January 1, 2025, to December 31, 2025

<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;"> Township of Severn Administrative Office 1024 Hurlwood Lane Severn, Ontario L3V 0Y6 </div>	<p><u>Complete for all other Categories.</u></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 their drinking water from your system:

Drinking Water System Name	Drinking Water System Number
Riverwalk Estates Drinking Water System	260095277

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 its drinking water?
Yes [X] 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 Coldwater water supply system was built in 1994 to replace the spring water supply west of the village. Water now comes from three (3) drilled groundwater wells. Two are located on the pump house property and the third is across the street from the pump house, on private property. In 2008, an addition was completed to the WTP to house two GAC filters, a softener and a backwash settling tank. Raw water is partially softened before passing through the GAC filters (operated in series). Filtered water is then chlorinated using Sodium Hypochlorite. Treated water is stored in a 1,612 m³ two-cell, concrete, underground reservoir below the pump house. The reservoir provides the required chlorine contact time to achieve primary disinfection before it is distributed to the residents. The treated water is then pumped from the reservoir to the distribution system via a jockey pump and two (2) vertical turbine pumps. A fire pump is also installed to provide adequate flow in the event of a fire. There are 95 fire hydrants, 13 sampling stations and 5 blow-offs connected to the system. The distribution system is comprised of PVC water mains. The system services approximately 690 properties in the Village of Coldwater.

List all water treatment chemicals used over this reporting period.

Sodium Hypochlorite
Softener Salt

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.

New GAC Media-\$40,000.00
High Lift Rebuild-\$40,000.00



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
September 24, 2025	TC/EC	NDOGN		Resample	September 29, 2025

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 – Well #1	52	0 – 0	0 – 0	N/A	-
Raw – Well #2	52	0 – 0	0 – 0	N/A	-
Raw – Well #3	52	0 – 0	0 – 0	N/A	-
Treated	52	0 – 0	0 – 0	52	0 – 5
Distribution	161	0 – 0	0 – 0	103	0 – 12

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 – Well #1	12	0.04 – 0.16 NTU
Turbidity – Well #2	12	0.14 – 0.37 NTU
Turbidity – Well #3	12	0.05 – 0.20 NTU
Turbidity	8760	0.09 – 0.41 NTU
Chlorine	8760	1.00– 1.54
Chlorine Free Residual Distribution System	365	0.70– 1.46
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.

Date of legal instrument issued	Parameter	Date Sampled	Result	Unit of Measure
N/A	TSS	Annual Average	5.33	mg/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	October,20, 2025	0.6	µg/L	No
Arsenic	October,20, 2025	0.2	µg/L	No
Atrazine	October,20, 2025	0.01	µg/L	No
Barium	October,20, 2025	253	µg/L	No
Boron	October,20, 2025	54	µg/L	No
Cadmium	October,20, 2025	0.003	µg/L	No
Chromium	October,20, 2025	0.08	µg/L	No
*Lead	Jan 20- July 21, 2025	0.01-0.33	Cfu/100mL	No
Mercury	October,20, 2025	0.01	µg/L	No
Selenium	October,20, 2025	0.04	µg/L	No
Sodium	October,20, 2025	107	mg/L	Yes
Uranium	October,20, 2025	0.825	µg/L	No
Fluoride	April 22, 2025	0.12	mg/L	No
Nitrite	January 20, 2025 April 22, 2025 July 21, 2025 October 20, 2025	<0.003 <0.003 <0.003 <0.003	mg/L	No
Nitrate	January 20, 2025 April 22, 2025 July 21, 2025 October 20, 2025	<0.006 <0.006 <0.006 <0.006	mg/L	No

*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 (min#) – (max #)	Number of Exceedances
Plumbing			
Distribution	4	0.02 – 0.19	0

Note: Lead sample results are from the Riverwalk Estates Drinking Water System. DWS# 260095277

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	October 20,2025	0.02	µg/L	No
Atrazine + N-dealkylated metabolites	October 20,2025	0.01	µg/L	No
Azinphos-methyl	October 20,2025	0.05	µg/L	No
Benzene	October 20,2025	0.32	µg/L	No
Benzo(a)pyrene	October 20,2025	0.004	µg/L	No
Bromoform	October 20,2025	1.7	µg/L	No
Bromodichloromethane	October 20,2025	0.63	µg/L	No
Bromoacetic Acid	October 20,2025	2.9	µg/L	No
Bromoxynil	October 20,2025	0.33	µg/L	No
Carbaryl	October 20,2025	0.05	µg/L	No
Carbofuran	October 20,2025	0.01	µg/L	No
Chlorpyrifos	October 20,2025	0.02	µg/L	No
Carbon Tetrachloride	October 20,2025	0.17	µg/L	No
Chloroform	October 20,2025	.29	µg/L	No
Chloroacetic Acid	October 20,2025	4.7	µg/L	No
Desethyl Atrazine	October 20,2025	0.01	µg/L	No
Diazinon	October 20,2025	0.02	µg/L	No
Dibromochloromethane	October 20,2025	1.8	µg/L	No
Dibromoacetic Acid	October 20,2025	2.0	µg/L	No
Dicamba	October 20,2025	0.20	µg/L	No
Diclofop-methyl	October 20,2025	0.40	µg/L	No
1,2-Dichlorobenzene	October 20,2025	0.41	µg/L	No
1,4-Dichlorobenzene	October 20,2025	0.36	µg/L	No
1,2-Dichloroethane	October 20,2025	0.35	µg/L	No
1,1-Dichloroethylene (vinylidene chloride)	October 20,2025	0.33	µg/L	No
Dichloromethane	October 20,2025	0.35	µg/L	No
2,4-Dichlorophenoxy acetic acid (2,4-D)	October 20,2025	0.19	µg/L	No
Dichloroacetic Acid	October 20,2025	2.6	µg/L	No
Dimethoate	October 20,2025	.06	µg/L	No
Diquat	October 20,2025	<1	µg/L	No
2,4 Dichlorophenol	October 20,2025	0.15	µg/L	No
Glyphosate	October 20,2025	<1	µg/L	No
Haloacetic Acids (HAA5) (NOTE: show latest annual average)	2025 Average	5.3	µg/L	No
Malathion	October 20,2025	0.02	µg/L	No
Metolachlor	October 20,2025	0.01	µg/L	No
Metribuzin	October 20,2025	0.02	µg/L	No
Monochlorobenzene	October 20,2025	0.30	µg/L	No
Paraquat	October 20,2025	<1	µg/L	No
Phorate	October 20,2025	0.01	µg/L	No
Picloram	October 20,2025	<1	µg/L	No
Polychlorinated Biphenyls(PCB)	October 20,2025	0.04	µg/L	No
Prometryne	October 20,2025	0.03	µg/L	No
Pentachlorophenol	October 20,2025	0.15	µg/L	No
Simazine	October 21,2025	0.01	µg/L	No



THM (NOTE: show latest annual average)	2025 Average	11.3	µg/L	No
Terbufos	October 20,2025	0.01	µg/L	No
Tetrachloroethylene	October 20,2025	0.35	µg/L	No
2,3,4,6-Tetrachlorophenol	October 20,2025	0.20	µg/L	No
Triallate	October 20,2025	0.01	µg/L	No
Trichloroacetic Acid	October 20,2025	5.3	µg/L	No
Trichloroethylene	October 20,2025	0.44	µg/L	No
2,4,6-Trichlorophenol	October 20,2025	0.25	µg/L	No
Trifluralin	October 20,2025	0.02	µg/L	No
Vinyl Chloride	October 20,2025	0.17	µg/L	No
MCPA	October 20,2025	0.00012	µg/L	No
Diuron	October 20,2025	0.03	µg/L	No
Chloriform	October 20,2025	0.29	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
Sodium	107	mg/L	October 20, 2025