ANNUAL REPORT

Drinking-Water System Number:	**220005161**
Drinking-Water System Name:	Washago 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

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 [X]

Is your annual report available to the public at no charge on a web site on the Internet? Yes [X] No [ ]

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

Township of Severn Administrative Office
1024 Hurlwood Lane
Severn, Ontario
L3V 0Y6

Complete for all other Categories.

Number of Designated Facilities served:

Did you provide a copy of your annual report to all Designated Facilities you serve?
Yes [ ] No [ ]

Number of Interested Authorities you report to:

Did you provide a copy of your annual report to all Interested Authorities you report to for each Designated Facility?
Yes [ ] No [ ]

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
Ramara Knob Hill / Somerset	260046137

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
[X] Public access/notice via Public Request
[ ] Public access/notice via a Public Library
[ ] Public access/notice via other method _____

Describe your Drinking-Water System

Water for the Washago water treatment plant is pumped from Lake Couchiching to a package water treatment plant located on Quetton Street. Chlorine dioxide and SternPAC are added prior to direct filtration. Filtration is provided by two (2) trains of pressure type depth filters and clarifiers, followed by GAC filtration. Filtered water is chlorinated and then sent to a 257 m^3, three-cell, baffled concrete underground reservoir for storage. Backwash water from the clarifiers and filters is sent directly to the sanitary sewage system. The distribution system was constructed in the 1980's and consists of PVC piping with a recirculation line connecting all dead ends. There are 11 fire hydrants and four sample stations connected to the distribution system. The Washago water system serves approximately 124 residential homes in the village of Washago in the Township of Severn and 20 houses in the Township of Ramara.

List all water treatment chemicals used over this reporting period

Sodium Hypochlorite
Stern PAC
Sodium Chlorite
Hydrochloric Acid

Were any significant expenses incurred to?

[] Install required equipment.
[X] Repair required equipment
[] Replace required equipment.

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

High Lift Rebuild-$50,000.00
GAC replacement-$60,000.00

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
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	52	0 – 40	0 – 1220	N/A	N/A
Treated	52	0 – 0	0 – 0	52	0 – <10
Distribution	104	0 – 0	0 – 0	104	0 – 24

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 – Train 1	8760	0.03 – 0.22 NTU
Turbidity – Train 2	8760	0.01 – 0.24 NTU
Turbidity	8760	0.04 – 0.13 NTU
Chlorine	8760	1.15 – 2.12
Chlorine Free Residual Distribution Supply	367	0.96 – 2.06
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
July 16, 2012 Replaced June of 2021	Chlorite	Jan. 7, 2025 Feb. 3, 2025 March 3, 2025 April 7, 2025 May 5, 2025 June 2, 2025 July 7, 2025 Aug 5, 2025 Sept. 2, 2025 Oct 6, 2025 Nov. 3, 2025 Dec. 1, 2025	0.01 0.03 0.01 0.01 0.01 0.01 0.06 0.02 0.06 0.07 0.08 0.02	mg/L
July 16, 2012 Replaced June of 2021	Chlorate	Jan 7, 2025 Feb. 3, 2025 March 3, 2025 April 7, 2025 May 5, 2025 June 2, 2025 July 7, 2025 Aug 5, 2025 Sept. 2, 2025 Oct 6, 2025 Nov. 3, 2025 Dec. 1, 2025	0.01 0.35 0.44 0.33 0.34 0.36 0.47 0.60 0.58 0.74 0.50 0.42	mg/L
N/A	Microcystins	June 1 to Oct 31, 2025	0.01 – 0.01ug/L	ug/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	0.4	µg/L	No
Barium	October 20, 2025	26	µg/L	No
Boron	October 20, 2025	20	µg/L	No
Cadmium	October 20, 2025	0.055	µg/L	No
Chromium	October 20, 2025	0.08	µg/L	No
***Lead**	Jan. 20-July 21, 2025	0.09 -0.10	µg/L	No
Mercury	October 20, 2025	0.01	µg/L	No
Selenium	October 20, 2025	0.04	µg/L	No
Sodium	October 20, 2025	43	mg/L	Yes
Uranium	October 20, 2025	0.051	µg/L	No
Nitrite	Jan. 20, 2025 April 22, 2025 July 21, 2025 October 20, 2025	0.003 0.003 0.003 0.003	mg/L	No
Parameter	**Sample Date**	**Result Value**	**Unit of Measure**	**Exceedance**
Nitrate	Jan. 20, 2025 April 22, 2025 July 21, 2025 October 20, 2025	0.058 0.066 0.079 0.049	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	2	0.09-0.10	0

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 metobolites	October 20, 2025	0.01	µg/L	No
Azinphos-methyl	October 20, 2025	0.05	µg/L	No
Atrazine	October 20, 2025	0.01	µg/L	No
Benzene	October 20, 2025	0.32	µg/L	No
Bromodichloromethane	October 20, 2025	14	µg/L	No
Bromoform	October 20, 2025	0.34	µg/L	No
Bromoacetic Acid	October 20, 2025	2.9	µg/L	No
Benzo(a)pyrene	October 20, 2025	0.004	µg/L	No
Carbaryl	October 20, 2025	0.05	µg/L	No
Carbofuran	October 20, 2025	0.01	µg/L	No
Carbon Tetrachloride	October 20, 2025	0.17	µg/L	No
Chlorpyrifos	October 20, 2025	0.02	µg/L	No
Chloroacetic Acid	October 20, 2025	4.7	µg/L	No
Chloroform	October 20, 2025	42	µg/L	No
Diazinon	October 20, 2025	0.02	µg/L	No
Dicamba	October 20, 2025	0.20	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 Dichlorophenol	October 20, 2025	0.15	µg/L	No
2,4-Dichlorophenoxy acetic acid (2,4-D)	October 20, 2025	0.19	µg/L	No
Diclofop-methyl	October 20, 2025	0.40	µg/L	No
Dimethoate	October 20, 2025	0.06	µg/L	No
Desethyl atrazine	October 20, 2025	0.01	µg/L	No
Diuron	October 20, 2025	0.03	µg/L	No
Dibromoacetic Acid	October 20, 2025	2	µg/L	No
Dichloroacetic Acid	October 20, 2025	15.1	µg/L	No
Diquat	October 20, 2025	<1	µg/L	No
Dibromochloromethane	October 20, 2025	3.3	µg/L	No
Glyphosate	October 20, 2025	<1	µg/L	No
Haloacetic Acids (HAA5) (NOTE: show latest annual average)	2025 Average	27.4	µg/L	No
Malathion	October 20, 2025	0.02	µg/L	No
MCPA	October 20, 2025	0.00012	mg/L	No
Metolachlor	October 20, 2025	0.01	µg/L	No
Metribuzin	October 20, 2025	0.02	µg/L	No

Monochlorobenzene	October 20, 2025	0.3	µg/L	No
Paraquat	October 20, 2025	<1	µg/L	No
Pentachlorophenol	October 20, 2025	0.15	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
Simazine	October 20, 2025	0.01	µg/L	No
THM (NOTE: show latest annual average)	2025 Average	50.75	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
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
Trichloroacetic Acid	October 20, 2025	16.1	µg/L	No
Vinyl Chloride	October 20, 2025	0.17	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	43	mg/L	October 20, 2025