



**ANNUAL REPORT**

<b>Drinking-Water System Number:</b>	<b>210000470</b>
<b>Drinking-Water System Name:</b>	Hastings Drinking Water System
<b>Drinking-Water System Owner:</b>	Municipality of Trent Hills
<b>Municipal Drinking Water Licence</b>	150-103
<b>Drinking Water Works Permit</b>	150-203
<b>Drinking-Water System Category:</b>	WT III, WD I
<b>Period being reported:</b>	January 1 to December 31, 2025

<p><b><u>Complete if your Category is Large Municipal Residential or Small Municipal Residential</u></b></p> <p><b>Does your Drinking-Water System serve more than 10,000 people? Yes [ ] No [ X ]</b></p> <p><b>Is your annual report available to the public at no charge on a web site on the Internet? Yes [ X] No [ ]</b></p> <p><b>Location where Summary Report required under O. Reg. 170/03 Schedule 22 will be available for inspection.</b></p> <div style="border: 1px solid black; padding: 5px;"> <p>Trent Hills Municipal Office 66 Front Street South, Campbellford ON</p> </div>	<p><b><u>Complete for all other Categories.</u></b></p> <p><b>Number of Designated Facilities served:</b></p> <div style="border: 1px solid black; width: 100px; height: 20px; margin: 5px 0;"></div> <p><b>Did you provide a copy of your annual report to all Designated Facilities you serve? Yes [ ] No [ ]</b></p> <p><b>Number of Interested Authorities you report to:</b></p> <div style="border: 1px solid black; width: 100px; height: 20px; margin: 5px 0;"></div> <p><b>Did you provide a copy of your annual report to all Interested Authorities you report to for each Designated Facility? Yes [ ] No [ ]</b></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:**

<b>Drinking Water System Name</b>	<b>Drinking Water System Number</b>
1. Hastings Drinking Water System	1. 210000470
2. Trentview Estates, Township of Asphodel-Norwood	2. 260057278

**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.

- 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 Hastings water treatment plant is a conventional water treatment system, which draws all of its raw water supply from the Trent River. The treatment system consists of a low lift pumping station, two (2) solids contact up flow reactor-clarifiers, two (2) dual-media filters equipped with granular activated carbon for taste and odour control, a baffled contact tank connected to the filter discharge ensuring primary disinfection, a high lift pumping station equipped with secondary disinfection capabilities accomplished by a chlorine injection system located on the plant discharge. A corrosion inhibitor is injected into the plant discharge pipe for corrosion control in the distribution system.

A 1220 cubic meter off-site storage standpipe provides peak hour demands and fire flow protection. The water distribution system is comprised of various water main materials of different sizes and a single pressure zone. The system supplies the Village of Hastings and the Trentview Estates water distribution system located in the Township of Asphodel-Norwood.

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

1. Poly Aluminum-chloride (SternPAC) - supplied by Kemira
2. Corrosion Inhibitor (ENV 24P10) - supplied by Environor Canada
3. Gaseous Chlorine – supplied by Brenntag Canada

**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**

- GAC Media Replacement \$ 85,213.82
- High lift pump replacement \$ 191,876.87
- Treatment chemicals \$ 42, 617.69
- SCADA Upgrades \$ 4562.41
- Equipment repairs \$ 5,755.43
- Lab testing fees \$ 6,709.20



**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 #)
<b>Raw</b>	52	0 - 440	0 - 1700	0	N/A
<b>Treated</b>	52	0 - 0	0 - 0	52	0 - 2
<b>Distribution</b>	161	0-0	0-0	61	0 - 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 #)
<b>Turbidity</b>	8760	0.006 – 2.020 NTU
<b>Chlorine</b>	8760	0.99 – 4.60 mg/L
<b>Fluoride</b> (If the DWS provides fluoridation)	N/A	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
<b>Municipal Drinking Water Licence, Issued June 25th, 2021.</b>	<b>Total Suspended Solids</b>	<b>Samples collected monthly. Result = annual average concentration.</b>	<b>3.42</b>	<b>mg/L</b>

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

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
<b>Antimony</b>	07/01/2025	0.6<MDL	Micrograms	0
<b>Arsenic</b>	07/01/2025	0.2<MDL	Micrograms	0
<b>Barium</b>	07/01/2025	29.7	Micrograms	0
<b>Boron</b>	07/01/2025	9	Micrograms	0
<b>Cadmium</b>	07/01/2025	0.004	Micrograms	0



<b>Chromium</b>	07/01/2025	0.13	Micrograms	0
<b>*Lead</b>	07/01/2025			
<b>Mercury</b>	07/01/2025	0.01<MDL	Micrograms	0
<b>Selenium</b>	07/01/2025	0.04<MDL	Micrograms	0
<b>Sodium</b>	07/01/2025	10.9	Milligrams	0
<b>Uranium</b>	07/01/2025	0.004	Micrograms	0
<b>Fluoride</b>	07/01/2025	0.06<MDL	Milligrams	0
<b>Nitrite</b>	18/11/2025	0.003<MDL	Milligrams	0
<b>Nitrate</b>	18/11/2025	0.026	Milligrams	0

\*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)

<b>Location Type</b>	<b>Number of Samples</b>	<b>Range of Lead Results (min#) – (max #)</b>	<b>Number of Exceedances</b>
<b>Plumbing</b>	N/A	N/A	N/A
<b>Distribution</b>	<b>8</b>	<b>0.02-1.44</b>	<b>0</b>

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

<b>Parameter</b>	<b>Sample Date</b>	<b>Result Value</b>	<b>Unit of Measure</b>	<b>Exceedance</b>
<b>Alachlor</b>	07/01/2025	0.02<MDL	Micrograms	0
<b>Atrazine + N-dealkylated metabolites</b>	07/01/2025	0.01<MDL	Micrograms	0
<b>Atrazine</b>	07/01/2025	0.01<MDL	Micrograms	0
<b>Desethyl atrazine</b>	07/01/2025	0.01<MDL	Micrograms	0
<b>Azinphos-methyl</b>	07/01/2025	0.05<MDL	Micrograms	0
<b>Benzene</b>	07/01/2025	0.32<MDL	Micrograms	0
<b>Benzo(a)pyrene</b>	07/01/2025	0.004<MDL	Micrograms	0
<b>Bromoxynil</b>	07/01/2025	0.33<MDL	Micrograms	0
<b>Carbaryl</b>	07/01/2025	0.05<MDL	Micrograms	0
<b>Carbofuran</b>	07/01/2025	0.01<MDL	Micrograms	0
<b>Carbon Tetrachloride</b>	07/01/2025	0.17<MDL	Micrograms	0
<b>Chlorpyrifos</b>	07/01/2025	0.02<MDL	Micrograms	0
<b>Diazinon</b>	07/01/2025	0.02<MDL	Micrograms	0
<b>Dicamba</b>	07/01/2025	0.20<MDL	Micrograms	0
<b>1,2-Dichlorobenzene</b>	07/01/2025	0.41<MDL	Micrograms	0
<b>1,4-Dichlorobenzene</b>	07/01/2025	0.36<MDL	Micrograms	0
<b>1,2-Dichloroethane</b>	07/01/2025	0.35<MDL	Micrograms	0
<b>1,1-Dichloroethylene(vinylidene chloride)</b>	07/01/2025	0.33 <MDL	Micrograms	0
<b>Dichloromethane</b>	07/01/2025	0.35<MDL	Micrograms	0
<b>2-4 Dichlorophenol</b>	07/01/2025	0.15<MDL	Micrograms	0
<b>2,4-Dichlorophenoxy acetic acid (2,4-D)</b>	07/01/2025	0.19<MDL	Micrograms	0
<b>Diclofop-methyl</b>	07/01/2025	0.40<MDL	Micrograms	0
<b>Dimethoate</b>	07/01/2025	0.06<MDL	Micrograms	0
<b>Diquat</b>	07/01/2025	1<MDL	Micrograms	0
<b>Diuron</b>	07/01/2025	0.03<MDL	Micrograms	0



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

<b>Glyphosate</b>	07/01/2025	1<MDL	Micrograms	0
<b>Malathion</b>	07/01/2025	0.02<MDL	Micrograms	0
<b>MCPA</b>	07/01/2025	0.00012<MDL	Milligrams	0
<b>Metolachlor</b>	07/01/2025	0.01<MDL	Micrograms	0
<b>Metribuzin</b>	07/01/2025	0.02<MDL	Micrograms	0
<b>Monochlorobenzene</b>	07/01/2025	0.30<MDL	Micrograms	0
<b>Paraquat</b>	07/01/2025	1<MDL	Micrograms	0
<b>Pentachlorophenol</b>	07/01/2025	0.15<MDL	Micrograms	0
<b>Phorate</b>	07/01/2025	0.01<MDL	Micrograms	0
<b>Picloram</b>	07/01/2025	1<MDL	Micrograms	0
<b>Polychlorinated Biphenyls(PCB)</b>	07/01/2025	0.04<MDL	Micrograms	0
<b>Prometryne</b>	07/01/2025	0.03<MDL	Micrograms	0
<b>Simazine</b>	07/01/2025	0.01<MDL	Micrograms	0
<b>THM (NOTE: show latest annual average)</b>		46.50	Micrograms	0
<b>Terbufos</b>	07/01/2025	0.01<MDL	Micrograms	0
<b>Tetrachloroethylene</b>	07/01/2025	0.35<MDL	Micrograms	0
<b>2,3,4,6-Tetrachlorophenol</b>	07/01/2025	0.20<MDL	Micrograms	0
<b>Triallate</b>	07/01/2025	0.01<MDL	Micrograms	0
<b>Trichloroethylene</b>	07/01/2025	0.44<MDL	Micrograms	0
<b>2,4,6-Trichlorophenol</b>	07/01/2025	0.25<MDL	Micrograms	0
<b>Trifluralin</b>	07/01/2025	0.02<MDL	Micrograms	0
<b>Vinyl Chloride</b>	07/01/2025	0.17<MDL	Micrograms	0

**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	n/a	ug/L	RAA