



**OPTIONAL ANNUAL REPORT TEMPLATE**

<b>Drinking-Water System Number:</b>	220005125
<b>Drinking-Water System Name:</b>	Warminster Water Supply
<b>Drinking-Water System Owner:</b>	Township of Oro-Medonte
<b>Drinking-Water System Category:</b>	Large Municipal Residential
<b>Period being reported:</b>	January 1, 2017 to December 31, 2017

<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 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;"> <p>Township of Oro-Medonte 148 Line 7 South Oro-Medonte, ON L0L 2E0 Tel: 705-487-2171</p> </div>	<p><b><u>Complete for all other Categories.</u></b></p> <p>Number of Designated Facilities served: <input style="width: 50px;" type="text" value="1"/></p> <p>Did you provide a copy of your annual report to all Designated Facilities you serve? Yes [ X ] No [ ]</p> <p>Number of Interested Authorities you report to: <input style="width: 50px;" type="text" value="1"/></p> <p>Did you provide a copy of your annual report to all Interested Authorities you report to for each Designated Facility? Yes [ X ] 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
None	

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 [www.oro-medonte.ca](http://www.oro-medonte.ca)
- 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 Notice in Open Session Staff Report to Council

**Describe your Drinking-Water System**

Warminster is serviced by two (2) standby emergency generators. Warminster is a ground water system with two (2) wells. Both Wells are located on the wellhouse property located in Severn Township. Raw water enters the pumphouse and is treated with Sodium Hypochlorite and the treated water then goes through the 150mm feeder main for the 15-minute contact time, then to two (2) inground reservoirs. Treated water is pumped into the distribution system with two centrifugal High Lift pumps. The system is equipped with an alarm system that monitors high/low pressure, high/low reservoir levels, power failure, low well levels and pump failure. The distribution system consists of 150mm and 200mm polyvinyl chloride (PVC) watermains, thirty-two (32) hydrants, four (4) sample stations and thirty-one (31) main valve boxes. The distribution system services residential homes, three (3) commercial businesses, Warminster Public School and the Warminster Legion. A Chlorine Residual Analyzer and Turbidimeter have been installed for continuous monitoring and recording of free chlorine residual and turbidity with a 24-hour alarm call out system.

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

Sodium Hypochlorite (liquid chlorine)

**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**

No significant expenses were incurred for the water system during the reporting period.



**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
July 4	Total Coliform	9	CFU/100ml	Flush & Resample	July 6
July 17	Total Coliform	13	CFU/100ml	Flush & Resample	July 19
Aug 8	Total Coliform	150	CFU/100ml	Flush & Resample	Aug 10

**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	100	0	0	0	-
Treated	50	0	0	50	<10
Distribution	106	0	0	100	0-420

**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 #)	Unit of Measure	<i>NOTE: For continuous monitors use 8760 as the number of samples.</i>
Turbidity	8760	0.24-0.28	NTU	
Chlorine	8760	0.89-1.67	mg/l	
Fluoride (If the DWS provides fluoridation)	N/A	N/A	N/A	

**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
None Required				

**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	Jul. 28, 2015	0.02<MDL	ug/l	No
Arsenic	Jul. 28, 2015	0.2<MDL	ug/l	No
Barium	Jul. 28, 2015	232	ug/l	No
Boron	Jul. 28, 2015	18.5	ug/l	No
Cadmium	Jul. 28, 2015	0.019	ug/l	No

<b>Chromium</b>	Jul. 28, 2015	1.55	ug/l	No
<b>*Lead</b>	N/A	N/A	N/A	N/A
<b>Mercury</b>	Jul. 28, 2015	0.01<MDL	ug/l	No
<b>Selenium</b>	Jul. 28, 2015	0.20	ug/l	No
<b>Sodium</b>	Oct. 16, 2013	88.7	mg/l	Yes
<b>Uranium</b>	Jul. 28, 2015	0.446	ug/l	No
<b>Fluoride</b>	Oct. 16, 2013	0.06<MDL	mg/l	No
<b>Nitrite</b>	Oct. 31, 2017	0.003<MDL	mg/l	No
<b>Nitrate</b>	Oct. 31, 2017	6.55	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 #)	Unit of Measure	Number of Exceedances
<b>Plumbing</b>	0	N/A	N/A	0
<b>Distribution</b>	0	N/A Due 2018	N/A	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
<b>Alachlor</b>	Apr. 29, 2015	0.02<MDL	ug/l	No
<b>Aldicarb</b>	Apr. 29, 2015	0.01<MDL	ug/l	No
<b>Aldrin + Dieldrin</b>	Apr. 29, 2015	0.01<MDL	ug/l	No
<b>Atrazine + N-dealkylated metabolites</b>	Apr. 29, 2015	0.03	ug/l	No
<b>Azinphos-methyl</b>	Apr. 29, 2015	0.02<MDL	ug/l	No
<b>Bendiocarb</b>	Apr. 29, 2015	0.01<MDL	ug/l	No
<b>Benzene</b>	Apr. 29, 2015	0.32<MDL	ug/l	No
<b>Benzo(a)pyrene</b>	Apr. 29, 2015	0.004<MDL	ug/l	No
<b>Bromoxynil</b>	Apr. 29, 2015	0.33<MDL	ug/l	No
<b>Carbaryl</b>	Apr. 29, 2015	0.01<MDL	ug/l	No
<b>Carbofuran</b>	Apr. 29, 2015	0.01<MDL	ug/l	No
<b>Carbon Tetrachloride</b>	Apr. 29, 2015	0.16<MDL	ug/l	No
<b>Chlordane (Total)</b>	Apr. 29, 2015	0.01<MDL	ug/l	No
<b>Chlorpyrifos</b>	Apr. 29, 2015	0.02<MDL	ug/l	No
<b>Cyanazine</b>	Apr. 29, 2015	0.03<MDL	ug/l	No
<b>Diazinon</b>	Apr. 29, 2015	0.02<MDL	ug/l	No
<b>Dicamba</b>	Apr. 29, 2015	0.20<MDL	ug/l	No
<b>1,2-Dichlorobenzene</b>	Apr. 29, 2015	0.41<MDL	ug/l	No

<b>1,4-Dichlorobenzene</b>	Apr. 29, 2015	0.36<MDL	ug/l	No
<b>Dichlorodiphenyltrichloroethane (DDT) + metabolites</b>	Apr. 29, 2015	0.01<MDL	ug/l	No
<b>1,2-Dichloroethane</b>	Apr. 29, 2015	0.35<MDL	ug/l	No
<b>1,1-Dichloroethylene (vinylidene chloride)</b>	Apr. 29, 2015	0.33<MDL	ug/l	No
<b>Dichloromethane</b>	Apr. 29, 2015	0.35<MDL	ug/l	No
<b>2-4 Dichlorophenol</b>	Apr. 29, 2015	0.15<MDL	ug/l	No
<b>2,4-Dichlorophenoxy acetic acid (2,4-D)</b>	Apr. 29, 2015	0.19<MDL	ug/l	No
<b>Diclofop-methyl</b>	Apr. 29, 2015	0.40<MDL	ug/l	No
<b>Dimethoate</b>	Apr. 29, 2015	0.03<MDL	ug/l	No
<b>Dinoseb</b>	Apr. 29, 2015	0.36<MDL	ug/l	No
<b>Diquat</b>	Apr. 29, 2015	1<MDL	ug/l	No
<b>Diuron</b>	Apr. 29, 2015	0.02<MDL	ug/l	No
<b>Glyphosate</b>	Apr. 29, 2015	6<MDL	ug/l	No
<b>Heptachlor + Heptachlor Epoxide</b>	Apr. 29, 2015	0.01<MDL	ug/l	No
<b>Lindane (Total)</b>	Apr. 29, 2015	0.01<MDL	ug/l	No
<b>Malathion</b>	Apr. 29, 2015	0.02<MDL	ug/l	No
<b>Methoxychlor</b>	Apr. 29, 2015	0.01<MDL	ug/l	No
<b>Metolachlor</b>	Apr. 29, 2015	0.01<MDL	ug/l	No
<b>Metribuzin</b>	Apr. 29, 2015	0.02<MDL	ug/l	No
<b>Monochlorobenzene</b>	Apr. 29, 2015	0.3<MDL	ug/l	No
<b>Paraquat</b>	Apr. 29, 2015	1<MDL	ug/l	No
<b>Parathion</b>	Apr. 29, 2015	0.02<MDL	ug/l	No
<b>Pentachlorophenol</b>	Apr. 29, 2015	0.15<MDL	ug/l	No
<b>Phorate</b>	Apr. 29, 2015	0.01<MDL	ug/l	No
<b>Picloram</b>	Apr. 29, 2015	0.25<MDL	ug/l	No
<b>Polychlorinated Biphenyls(PCB)</b>	Apr. 29, 2015	0.04<MDL	ug/l	No
<b>Prometryne</b>	Apr. 29, 2015	0.03<MDL	ug/l	No
<b>Simazine</b>	Apr. 29, 2015	0.01<MDL	ug/l	No
<b>THM</b> (NOTE: show latest annual average)	Jan. 31, 2017 Apr. 25, 2017 July 19, 2017 Oct. 31, 2017	8.77	ug/l	No
<b>HAA</b> (NOTE: show latest annual average)	Jan. 31, 2017 Apr. 25, 2017 July 19, 2017 Oct. 31, 2017	5.3<MDL	ug/l	No
<b>Temephos</b>	Apr. 29, 2015	0.01<MDL	ug/l	No
<b>Terbufos</b>	Apr. 29, 2015	0.01<MDL	ug/l	No
<b>Tetrachloroethylene</b>	Apr. 29, 2015	0.35<MDL	ug/l	No
<b>2,3,4,6-Tetrachlorophenol</b>	Apr. 29, 2015	0.14<MDL	ug/l	No
<b>Triallate</b>	Apr. 29, 2015	0.01<MDL	ug/l	No



Trichloroethylene	Apr. 29, 2015	0.44<MDL	ug/l	No
2,4,6-Trichlorophenol	Apr. 29, 2015	0.25<MDL	ug/l	No
2,4,5-Trichlorophenoxy acetic acid (2,4,5-T)	Apr. 29, 2015	0.22<MDL	ug/l	No
Trifluralin	Apr. 29, 2015	0.02<MDL	ug/l	No
Vinyl Chloride	Apr. 29, 2015	0.17<MDL	ug/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
Nitrate	6.63	mg/L	January 31, 2017
Nitrate	6.52	mg/L	April 25, 2017
Nitrate	6.37	mg/L	July 19, 2017
Nitrate	6.55	mg/L	October 31, 2017