



<b>Drinking-Water System Number:</b>	<b>220 008 113</b>
<b>Drinking-Water System Name:</b>	Camborne Water Supply System
<b>Drinking-Water System Owner:</b>	The Corporation of the Township of Hamilton
<b>Drinking-Water System Category:</b>	Small Municipal Residential –Class 1 Water Treatment
<b>Period being reported:</b>	January 1 <sup>st</sup> –December 31 <sup>st</sup> , 2016

<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>8285 Majestic Hills Drive Cobourg, ON. K9A 4J7</p> </div>	<p><b><u>Complete for all other Categories.</u></b></p> <p><b>Number of Designated Facilities served:</b>  <div style="border: 1px solid black; width: 100px; height: 20px; margin: 5px 0;"></div> </p> <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> <div style="border: 1px solid black; width: 100px; height: 20px; margin: 5px 0;"></div></p> <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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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**

Source water is two (2) drilled wells on-site near the treatment plant. The treatment plant building houses the treatment and pumping equipment, chemical feed systems, a filtration system for iron and turbidity removal/control, high lift pumps, pressure tanks, instrumentation and control equipment, a SCADA system, laboratory, and associated electrical controls and appurtenances. A filter waste tank and standby diesel generator are also located on-site beside the treatment plant.

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

12% sodium hypochlorite  
Sodium thiosulphate

**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**

**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**

No incidents reported in 2016

Incident Date	Parameter	Result	Unit of Measure	Corrective Action	Corrective Action Date

**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	27	0 - 0	0 - 0		
Treated					
Distribution	51	0 - 0	0 - 0	51	0 - 19



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

	<b>Number of Grab Samples</b>	<b>Range of Results (min #)-(max #)</b>	<i><b>NOTE:</b> For continuous monitors use 8760 as the number of samples.</i>
<b>Chlorine</b>	<b>8760</b>	<b>.65 – 1.43 mg/l</b>	

**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>08/18/16 Licence #139-103</b>	<b>Suspended solids</b>	03/08/18	<b>4.66</b>	mg/l
		06/28/16	<b>12.33</b>	
		09/17/16	<b>7.00</b>	
		12/15/16	<b>5.00</b>	
<b>08/18/16 Licence #139-103</b>	<b>Chlorine residual</b>	03/08/16	<b>.23</b>	mg/l
		06/28/16	<b>.06</b>	
		09/17/16	<b>.02</b>	
		12/15/16	<b>.02</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>	06/07/16	.02<MDL	ug/l	no
<b>Arsenic</b>	“	.7	“	“
<b>Barium</b>	“	117	“	“
<b>Boron</b>	“	12	“	“
<b>Cadmium</b>	“	.005	“	“
<b>Chromium</b>	06/07/16	.34	ug/l	no
<b>*Lead</b>			“	“
<b>Mercury</b>	06/07/16	.01<MDL	“	“
<b>Selenium</b>	06/07/16	1<MDL	“	“
<b>Sodium</b>	05/22/12	7.42	mg/l	“
<b>Uranium</b>	06/07/16	.276	ug/l	“
<b>Fluoride</b>	05/22/12	.15	“	“
<b>Nitrite</b>	03/08/16	.003<MDL	mg/l	“
	06/28/16	.003<MDL		
	09/17/16	.003<MDL		
	12/15/16	.003<MDL		
<b>Nitrate</b>	03/08/16	.006<MDL	mg/l	“
	06/28/16	.006<MDL		
	09/17/16	.006<MDL		
	12/15/16	.006<MDL		

\*only for drinking water systems testing under Schedule 15.2



**Summary of lead testing under Schedule 15.1 during this reporting period:**

not applicable

Lead sampled according to Schedule D of Municipal Drinking Water Licence 139-103

Location Type	Date	Sample Location	pH	Alkalinity	Lead
Distribution	04/04/16	Albert'sAlley	7.5	192	
Distribution	04/04/16	CambornePS	7.4	188	
Distribution	10/11/16	Albert'sAlley	7.6	187	
Distribution	10/11/16	Jibb Road	7.5	186	

**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	06/07/16	.02<MDL	ug/l	no
Atrazine	"	.01<MDL	"	"
Atrazine + N-dealkylated metabolites	"	.01<MDL	"	"
Desethyl atrazine	"	.01<MDL	"	"
Azinphos-methyl	"	.05<MDL	"	"
Benzene	"	.32<MDL	"	"
Benzo(a)pyrene	"	.004<MDL	"	"
Bromoxynil	"	.33<MDL	"	"
Carbaryl	"	.05<MDL	"	"
Carbofuran	"	.01<MDL	"	"
Carbon Tetrachloride	"	.16<MDL	"	"
Chlorpyrifos	"	.02<MDL	"	"
Diazinon	"	.02<MDL	"	"
Dicamba	"	.20<MDL	"	"
1,2-Dichlorobenzene	"	.41<MDL	"	"
1,4-Dichlorobenzene	"	.36<MDL	"	"
1,2-Dichloroethane	"	.35<MDL	"	"
1,1-Dichloroethylene (vinylidene chloride)	"	.33<MDL	"	"
Dichloromethane	"	.35<MDL	"	"
2-4 Dichlorophenol	"	.15<MDL	"	"
2,4-Dichlorophenoxy acetic acid (2,4-D)	"	.19<MDL	"	"
Diclofop-methyl	"	.40<MDL	"	"
Dimethoate	"	.03<MDL	"	"
Diquat	"	1<MDL	"	"
Diuron	"	.03<MDL	"	"
Glyphosate	"	1<MDL	"	"
Malathion	"	.02<MDL	"	"
Metolachlor	"	.01<MDL	"	"
Metribuzin	"	.02<MDL	"	"



Monochlorobenzene	“	.3<MDL	“	“
MCPA	“	.00012<MDL	“	“
Paraquat	“	1<MDL	“	“
Pentachlorophenol	“	.15<MDL	“	“
Phorate	“	.01<MDL	“	“
Picloram	“	1<MDL	“	“
Polychlorinated Biphenyls(PCB)	“	.04<MDL	“	“
Prometryne	“	.03<MDL	“	“
Simazine	“	.01<MDL	“	“
THM (NOTE: show latest annual average)	03/09/16, 06/07/16, 09/17/16, 12/15/16	9.82 (RAA)	“	“
Terbufos	“	.01<MDL	“	“
Tetrachloroethylene	“	.35<MDL	“	“
2,3,4,6-Tetrachlorophenol	06/06/11	.20<MDL	“	“
Triallate	“	.01<MDL	“	“
Trichloroethylene	“	.44<MDL	“	“
2,4,6-Trichlorophenol	“	.25<MDL	“	“
Trifluralin	“	.02<MDL	“	“
Vinyl Chloride	“	.17<MDL	“	“