



Drinking-Water System Number:	220 008 113
Drinking-Water System Name:	Camborne Water Supply System
Drinking-Water System Owner:	The Corporation of the Township of Hamilton
Drinking-Water System Category:	Small Municipal Residential –Class 1 Water Treatment
Period being reported:	January 1 st –December 31 st , 2017

<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; margin-top: 5px;"> 8285 Majestic Hills Drive Cobourg, ON. K9A 4J7 </div>	<p><u>Complete for all other Categories.</u></p> <p>Number of Designated Facilities served:</p> <div style="border: 1px solid black; width: 100px; height: 20px; margin: 5px 0;"></div> <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:</p> <div style="border: 1px solid black; width: 100px; height: 20px; margin: 5px 0;"></div> <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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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 2017

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	25	0 - 0	0 - 41		
Treated					
Distribution	48	0 - 0	0 - 0	48	0 - 7



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 #)
Chlorine	8760	.52 – 1.50 mg/l

***NOTE:** For continuous monitors use 8760 as the number of samples.*

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
08/18/16 Licence #139-103	Suspended solids	03/16/17	4.66	mg/l
		06/29/17	7.00	
		09/21/17	4.66	
		12/14/17	10.33	
08/18/16 Licence #139-103	Chlorine residual	03/16/17	.01	mg/l
		06/29/17	.01	
		09/21/17	.13	
		12/14/17	.01	

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	06/07/16	.02<MDL	ug/l	no
Arsenic	“	.7	“	“
Barium	“	117	“	“
Boron	“	12	“	“
Cadmium	“	.005	“	“
Chromium	06/07/16	.34	ug/l	no
*Lead	NA	NA	“	“
Mercury	06/07/16	.01<MDL	“	“
Selenium	06/07/16	1<MDL	“	“
Sodium	06/05/17	8.01	mg/l	“
Uranium	06/07/16	.276	ug/l	“
Fluoride	06/05/17	.15	mg/l	“
Nitrite	03/08/16	.003<MDL	mg/l	“
	06/28/16	.003<MDL		
	09/17/16	.003<MDL		
	12/15/16	.003<MDL		
Nitrate	03/20/17	.006<MDL	mg/l	“
	06/05/17	.006<MDL		
	09/18/17	.006<MDL		
	12/11/17	.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	03/27/17	Jibb Road	7.6	194	
Distribution	09/18/17	Albert's Alley	7.4	194	

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	"	"
Haloacetic Acid (HAA)	03/20/17 06/05/17 09/18/17 12/11/17	5.3<MDL	"	"
Malathion	06/07/16	.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	06/07/16	.01<MDL	“	“
Tetrachloroethylene	“	.35<MDL	“	“
2,3,4,6-Tetrachlorophenol	“	.20<MDL	“	“
Triallate	“	.01<MDL	“	“
Trichloroethylene	“	.44<MDL	“	“
2,4,6-Trichlorophenol	“	.25<MDL	“	“
Trifluralin	“	.02<MDL	“	“
Vinyl Chloride	“	.17<MDL	“	“