

**Part III Form 2**
**Section 11. ANNUAL REPORT.**

<b>Drinking-Water System Number:</b>	2100001905
<b>Drinking-Water System Name:</b>	Town of Mattawa Water Works
<b>Drinking-Water System Owner:</b>	Town of Mattawa
<b>Drinking-Water System Category:</b>	Large Municipal - Residential
<b>Date of Preparation of this Report:</b>	February 21, 2015
<b>Period being reported:</b>	January 1, 2014 to December 31, 2014

<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 or on a web site on the Internet? Yes [X] No [ ]</p> <p>Location where Report required under O. Reg. 170/03 Schedule 22 will be available</p> <div style="border: 1px solid black; padding: 5px;">                 Town Hall at 160 Water Street or at the Mill St. Public Works Office in Mattawa.             </div>	<p><b><u>Complete for all other Categories.</u></b></p> <p>Number of Designated Facilities served: <input type="text"/></p> <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: <input type="text"/></p> <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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List Drinking-Water Systems, which receive all of their drinking water from your system:

Only the Mattawa Distribution System receives water from our system.

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 [x] None exist

Indicate how you notified system users that your annual report is available, and is free of charge.

[ ] Public access/notice via the web

[X] 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**

**Our system is a Class II Distribution & Supply system consisting of two deep drilled wells housed within one facility. The water is pumped into the distribution system to supply the distribution system's demand for water and fill our 690 Cubic Meter reservoir.**

**The only process used is disinfection by Ultra Violet Reactors. We chlorinate water as it enters the distribution system to maintain prescribed residuals in the distribution system to protect it from infection while in the distribution system on its way to users.**

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

**The only chemical used is sodium hypochlorite solution.**

**Were any significant expenses incurred to?**

- Install required equipment
- Repair required equipment
- Replace required equipment

**Describe**

**Roof replacement over Pump #1**

**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

**Microbiological testing done under section 8 (2) during this reporting period**

	Number of Samples	Range of E.Coli or Fecal Results (#-#)	Range of Total Coliform Results (#-#)	Number of HPC Samples	Range of HPC Results (#-#)
Raw	104	0 – 0	0 – 2	0	0 – n/a
Treated	52	0 – 0	0 – 0	52	0 – 6
Distribution	156	0 – 0	0 – 0	36	0 – 31

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

	Number of Grab Samples	Range of Results (#-#)
Turbidity (Raw) #1	12	0.07 to 0.17
Turbidity (Raw) #2	12	0.07 to 0.19
Chlorine (Dist.)	365	.10 - 1.10
Fluoride (If the DWS provides fluoridation)	N / A	N / A

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

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*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 or order.**

Date of order or C of A	Parameter	Date Sampled	Result	Unit of Measure

**Summary of Lead Test parameters, per Schedule 15.1 of O.Reg. 170/03 sampled during this reporting period or most recent**

Parameter	Sample #	Sample Date	Result Value	Unit of Measure	Exceedance
Lead	1	April 14/14	<0.001	Mg/L	
	2	April 14/14	<0.001	Mg/L	
	1	Sept 30/14	<0.001	Mg/L	
	2	Sept 30/14	<0.001	Mg/L	
Ph	1	April 14/14	7.30		
	2	April 14/14	7.31		
	1	Sept 30/14	6.70		
	2	Sept 30/14	6.71		
Alkalinity	1	April 14/14	47.7	Mg/L	
	2	April 14/14	46.5	Mg/L	
	1	Sept 30/14	45.8	Mg/L	
	2	Sept 30/14	45.2	Mg/L	

**Summary of Inorganic parameters, per Schedule 23 of O.Reg. 170/03, tested during this reporting period or most recent**

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Antimony	June 11 / 12	<0.0001	Mg/l	
Arsenic	June 11 / 12	<0.0006	Mg/l	
Barium	June 11 / 12	0.0305	Mg/l	
Boron	June 11 / 12	0.016	Mg/l	
Cadmium	June 11 / 12	<0.0002	Mg/l	
Chromium	June 11 / 12	<0.00069	Mg/l	
Mercury	June 11 / 12	<0.0001	Mg/l	
Selenium	June 11 / 12	<0.0008	Mg/l	
Uranium	June 11 / 12	<0.0002	Mg/l	
Fluoride	January 16/13	.069	Mg/l	
Sodium	January 16/13	13	Mg/l	
Nitrite	Jan. 14 / 14	<MDL	Mg/l	
	Apr. 15 / 14	<MDL	Mg/l	
	July 15 / 14	<MDL	Mg/l	
	Oct. 15 / 14	0.039	Mg/l	
Nitrate	Jan. 14 / 14	1.879	Mg/l	
	Apr. 15 / 14	1.532	Mg/l	
	July 15 / 14	1.724	Mg/l	
	Oct. 15 / 14	1.523	Mg/l	

**Summary of Organic parameters, per Schedule 24 of O.Reg. 170/03 sampled during this reporting period or most recent**

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Alachlor	June 11 / 12	<0.5	ug/L	
Aldicarb	June 11 / 12	<2	ug/L	
Aldrin + Dieldrin	June 11 / 12	<0.07	ug/L	
Atrazine + N-dealkylated metabolites	June 11 / 12	<1.0	ug/L	
Azinphos-methyl	June 11 / 12	<2.0	ug/L	
Bendiocarb	June 11 / 12	<2	ug/L	
Benzene	June 11 / 12	<0.0002	Mg/L	
Benzo(a)pyrene	June 11 / 12	<0.01	ug/L	
Bromoxynil	June 11 / 12	<0.5	ug/L	
Carbaryl	June 11 / 12	<5	ug/L	
Carbofuran	June 11 / 12	<5	ug/L	
Carbon Tetrachloride	June 11 / 12	<0.0002	Mg/L	
Chlordane (Total)	June 11 / 12	<0.7	ug/L	
Chlorpyrifos	June 11 / 12	<1	ug/L	
Cyanazine	June 11 / 12	<1	ug/L	
Diazinon	June 11 / 12	<1	ug/L	
Dicamba	June 11 / 12	<1	ug/L	
1,2-Dichlorobenzene	June 11 / 12	<0.0005	Mg/L	
1,4-Dichlorobenzene	June 11 / 12	<0.0005	Mg/L	
Dichlorodiphenyltrichloroethane (DDT) + metabolites	June 11 / 12	<0.024	ug/L	
1,2-Dichloroethane	June 11 / 12	<0.0002	Mg/L	
1,1-Dichloroethylene (vinylidene chloride)	June 11 / 12	<0.0002	Mg/L	
Dichloromethane	June 11 / 12	<0.0003	Mg/L	
2,4 Dichlorophenol	June 11 / 12	<0.5	ug/L	
2,4-Dichlorophenoxy acetic acid (2,4-D)	June 11 / 12	<1	ug/L	
Diclofop-methyl	June 11 / 12	<0.9	ug/L	
Dimethoate	June 11 / 12	<2.5	ug/L	

Dinoseb	June 11 / 12	<1	ug/L	
Diquat	June 11 / 12	<5	ug/L	
Diuron	June 11 / 12	<10	ug/L	
Glyphosate	June 11 / 12	<0.02	ug/L	
Heptachlor + Heptachlor Epoxide	June 11 / 12	<0.3	ug/L	
Lindane (Total)	June 11 / 12	<0.4	ug/L	
Malathion	June 11 / 12	<5	ug/L	
Methoxychlor	June 11 / 12	<90	ug/L	
Metolachlor	June 11 / 12	<2	ug/L	
Metribuzin	June 11 / 12	<2	ug/L	
Monochlorobenzene	June 11 / 12	<0.0001	Mg/L	
Paraquat	June 11 / 12	<1	ug/L	
Parathion	June 11 / 12	<1	ug/L	
Pentachlorophenol	June 11 / 12	<0.5	ug/L	
Phorate	June 11 / 12	<0.5	ug/L	
Picloram	June 11 / 12	<5	ug/L	
Polychlorinated Biphenyls(PCB)	June 11 / 12	<0.2	ug/L	
Prometryne	June 11 / 12	<0.25	ug/L	
Simazine	June 11 / 12	<1	ug/L	
THM (NOTE: show latest quarterly average)	Avg for 2014	0.0041	Mg/L	
Temephos	June 11 / 12	<10	ug/L	
Terbufos	June 11 / 12	<0.7	ug/L	
Tetrachloroethylene	June 11 / 12	<0.0002	Mg/L	
2,3,4,6-Tetrachlorophenol	June 11 / 12	<0.5	ug/L	
Triallate	June 11 / 12	<1	ug/L	
Trichloroethylene	June 11 / 12	<0.0002	Mg/L	
2,3,4,6-Trichlorophenol	June 11 / 12	<0.5	ug/L	
2,4,5-Trichlorophenoxy acetic acid (2,4,5-T)	June 11 / 12	<1	ug/L	
Trifluralin	June 11 / 12	<2	ug/L	
Vinyl Chloride	June 11 / 12	<0.0002	Mg/L	

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

(Only if category is large municipal residential, small municipal residential, large municipal non residential, small municipal non residential, large non municipal non residential)