



OPTIONAL ANNUAL REPORT TEMPLATE

<b>Drinking-Water System Number:</b>	210003351
<b>Drinking-Water System Name:</b>	Rosspport Water Treatment Plant
<b>Drinking-Water System Owner:</b>	Rosspport Local Services Board
<b>Drinking-Water System Category:</b>	Non-municipal Year Round Residential Limited Subsystem – Surface Water
<b>Period being reported:</b>	January 1, 2019 – December 31, 2019

<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 [ ]</p> <p>Is your annual report available to the public at no charge on a web site on the Internet? Yes [ ] 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; height: 100px; width: 100%;"></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="-0-"/></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 style="width: 50px;" type="text" value="-0-"/></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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**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
N/A	

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
- 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 – copies are posted on two (2) community bulletin boards and the LSB website: [www.rossportlsb.ca](http://www.rossportlsb.ca)

**Describe your Drinking-Water System**

Raw water for treating is drawn from Lake Superior at Nicol Bay. Prior to distribution, raw water is filtered through one of two slow sand filter units, then chlorinated and stored where chlorine contact time matures. Upon leaving storage, the chlorinated water receives ultraviolet treatment in one of five (sometimes four, depending on demand) UV units. Just prior to entering the distribution system, this treated water receives a second injection of chlorine, so that an average chlorine residual of 0.40 mg/L to 0.50 mg/L is maintained.

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

Sodium Hypochlorite by Brenntage (12% - NSF approved)

**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**

Appendix A, attached, lists the expenses incurred in 2019. These expenses include purchase of fittings, valves, clamps, new handheld chlorine analyzer

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 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>	-0-	N/A	N/A	N/A	N/A
<b>Treated</b>		N/A	N/A	N/A	N/A
<b>Distribution</b>	26	Presence/Absence only	P/A	26	0-54

**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>
<b>Turbidity</b>				
Filter #1	8760	0.01– 0.16	NTU	
Filter #2	8760	0.02– 0.36 (note: June - erroneous reading of 9.99 during maintenance)	NTU	
<b>Chlorine</b>	8760	0.13 – 0.82	mg/L	
<b>Fluoride</b> (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
<b>C of A for Wastewater -July 2015</b>	<b>Total Suspended Solids</b>	<b>November 10, 2019</b>	<b>13.3</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>	24 Feb 2016	<0.60	ug/L	No
<b>Arsenic</b>	24 Feb 2016	<1.0	ug/L	No
<b>Barium</b>	24 Feb 2016	<10	ug/L	No
<b>Boron</b>	24 Feb 2016	<50	ug/L	No
<b>Cadmium</b>	24 Feb 2016	<.10	ug/L	No
<b>Chromium</b>	24 Feb 2016	<1.0	ug/L	No
<b>*Lead</b>				
<b>Mercury</b>	24 Feb 2016	<0.10	ug/L	No
<b>Selenium</b>	24 Feb 2016	<1.0	ug/L	No
<b>Sodium</b>	21 Mar 2019	2.47	mg/L	No
<b>Uranium</b>	24 Feb 2016	<2.0	ug/L	No
<b>Fluoride</b>	21 Mar 2019	<0.30	mg/L	No
<b>Nitrite</b>	12 Nov 2019	<0.010	mg/L	No
<b>Nitrate</b>	12 Nov 2019	0.391	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>	<b>-0-</b>			
<b>Distribution</b>				
<b>Alkalinity</b>	<b>0</b>		<b>mg/L</b>	<b>N/A</b>
<b>pH</b>	<b>0</b>		<b>--</b>	<b>--</b>

**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>	24 Feb 2016	<0.10	ug/L	No
<b>Aldicarb</b>	per MOECC	no longer	tested	
<b>Aldrin + Dieldrin</b>	per MOECC	no longer	tested	
<b>Atrazine + N-dealkylated metabolites</b>	24 Feb 2016	<0.20	ug/L	No
<b>Azinphos-methyl</b>	24 Feb 2016	<0.10	ug/L	No
<b>Bendiocarb</b>	per MOECC	no longer	tested	
<b>Benzene</b>	24 Feb 2016	<0.50	ug/L	No
<b>Benzo(a)pyrene</b>	24 Feb 2016	<0.010	ug/L	No
<b>Bromoxynil</b>	24 Feb 2016	,0.20	ug/L	No
<b>Carbaryl</b>	24 Feb 2016	<0.20	ug/L	No

Carbofuran	24 Feb 2016	<0.20	ug/L	No
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Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Carbon Tetrachloride	24 Feb 2016	<0.50	ug/L	No
Chlordane (Total)	24 Feb 2016	<0.10	ug/L	No
Chlorpyrifos	24 Feb 2016	<0.10	ug/L	No
Cyanazine	per MOECC	no longer	tested	
Diazinon	24 Feb 2016	<0.10	ug/L	No
Dicamba	24 Feb 2016	<0.20	ug/L	No
1,2-Dichlorobenzene	24 Feb 2016	<0.50	ug/L	No
1,4-Dichlorobenzene	24 Feb 2016	<0.50	ug/L	No
Dichlorodiphenyltrichloroethane (DDT) + metabolites	24 Feb 2016	<0.10	ug/L	No
1,2-Dichloroethane	24 Feb 2016	<0.50	ug/L	No
1,1-Dichloroethylene (vinylidene chloride)	24 Feb 2016	<0.50	ug/L	No
Dichloromethane	24 Feb 2016	<5.0	ug/L	No
2,4-Dichlorophenol	24 Feb 2016	<0.30	ug/L	No
2,4-Dichlorophenoxy acetic acid (2,4-D)	24 Feb 2016	<0.20	ug/L	No
Diclofop-methyl	24 Feb 2016	<0.20	ug/L	No
Dimethoate	24 Feb 2016	<0.10	ug/L	No
Dinoseb	24 Feb 2016	<0.20	ug/L	No
Diquat	24 Feb 2016	<1.0	ug/L	No
Diuron	24 Feb 2016	<1.0	ug/L	No
Glyphosate	24 Feb 2016	<5.0	ug/L	No
Heptachlor + Heptachlor Epoxide	per MOECC	no longer	tested	
Lindane (Total)	per MOECC	no longer	tested	
Malathion	24 Feb 2016	<0.10	ug/L	No
Methoxychlor	per MOECC	no longer	tested	
Metolachlor	24 Feb 2016	<0.10	ug/L	No
Metribuzin	24 Feb 2016	<0.10	ug/L	No
Monochlorobenzene	24 Feb 2016	<0.50	ug/L	No
Paraquat	24 Feb 2016	<1.0	ug/L	No
Parathion	per MOECC	no longer	tested	
Pentachlorophenol	24 Feb 2016	<.50	ug/L	No
Phorate	24 Feb 2016	<0.10	ug/L	No
Picloram	24 Feb 2016	<0.40	ug/L	No
Polychlorinated Biphenyls(PCB)	24 Feb 2016	<0.035	ug/L	No
Prometryne	24 Feb 2016	<0.10	ug/L	No
Simazine	24 Feb 2016	<0.10	ug/L	No
THM (NOTE: show latest annual average)	2017 average	14.58	ug/L	No
Temephos	24 Feb 2016			
Terbufos	24 Feb 2016	<0.20	ug/L	No
Tetrachloroethylene	24 Feb 2016	<0.50	ug/L	No
2,3,4,6-Tetrachlorophenol	24 Feb 2016	<0.50	ug/L	No
Triallate	24 Feb 2016	<0.10	ug/L	No



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

Trichloroethylene	24 Feb 2016	<0.50	ug/L	No
2,4,6-Trichlorophenol	24 Feb 2016	<0.50	ug/L	No
2,4,5-Trichlorophenoxy acetic acid (2,4,5-T)	24 Feb 2016	<0.20	ug/L	No
Trifluralin	24 Feb 2016	<0.10	ug/L	No
Vinyl Chloride	24 Feb 2016	<0.20	ug/L	No
Total Haloacetic Acids 5	12 Nov 2019	12.01	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
None			

**Appendix A**

<b>Item</b>	<b>Description</b>	<b>Cost</b>
Equipment O&M	Fittings, valves, clamps	\$ 16,523.44
Property O&M	Building, grounds, dist. Sys	\$ 7,932.60
Utilities	Hydro (Plant, Church St., Boon St., Recirc pump)	\$ 7,592.66
Propane	Heating	\$ 5879.23
Phone/Internet	Internet for SCADA sys	\$ 2079.78
Chemical/Lab	ALS	\$ 3383.67
	Chemicals	\$ 959.13
Supplies/postage		\$ -
Insurance		\$ 9,494.95
Easement/Permit to take water		\$ 161.59
Freight	Courtesy Courier	\$ 837.28
Operator	Wages	\$ 17,000.00
Other		\$ 22,235.59
<b>Total</b>		<b>\$ 95,131.95</b>