

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

Drinking-Water System Number:	220002707
Drinking-Water System Name:	Port Elgin Water Supply System
Drinking-Water System Owner:	Town of Saugeen Shores
Drinking-Water System Category:	Large Municipal Residential
Period being reported:	January 1 to December 31, 2004

<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;"> <p>Town of Saugeen Shores 600 Tomlinson Drive Port Elgin, Ontario N0H 2C0 (519) 832-2008</p> </div>	<p><u>Complete for all other Categories.</u></p> <p>Number of Designated Facilities served: <div style="border: 1px solid black; width: 100px; height: 20px; margin: 5px 0;"></div> </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: <div style="border: 1px solid black; width: 100px; height: 20px; margin: 5px 0;"></div></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 [] N/A [**X**]

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

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

Class 2 Water Distribution, Class 3 Water Treatment

Operational Description: The system supplies treated water to the Town of Port Elgin and parts of Saugeen Township. The facility is supplied by water from Lake Huron through a 508mm dia. intake pipe to the low lift pump station which is equipped with manual screens and 2 vertical turbine electric pumps. One square upflow clarifier utilizing aluminum sulphate and a polyelectrolyte filter aid discharging to 2 dual media filter beds with a capacity of 6056 m3 daily. A combination contact chamber, clearwell storage and backwash water storage is located under the high lift pump area . The water plant discharges to a 4545 m3 reservoir and also to a standpipe.

List all water treatment chemicals used over this reporting period

Aluminum sulphate
 Polyelectrolytes
 Sodium hypochlorite 12%
 Sodium Metabisulphate

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

<i>Item</i>	<i>Date</i>	<i>Cost</i>
PLC2 Power Supply	2004	\$ 663.32
Reservoir Cleaning	2004	\$ 552.00
Tower Ceramic Coating	2004	\$ 2,529.00
Tower Level Transmitter	2004	\$ 1,999.62
Backwash PLC2	2004	\$ 3,3036.00
Rebuild High Lift Pump #2	2004	\$ 5,713.20
PLC Backwash	2004	\$ 1,288.00

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

<i>Item</i>	<i>Date</i>	<i>Cost</i>
Sampler Repairs	2004	\$ 823.75
Turbidity Meter Installation	2004	\$ 138.00
Hydrofluosilic Removal	2004	\$ 2,772.10

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
May 25/04 AWQI #26644	Total Coliform Background	17 500	CFU/100 mL	Resample	May 27/04

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 Background/HPC Samples	Range of Background/HPC Results (min #)-(max #)
Raw	52	0-40	0-2400	56	0-2400
Treated	52	0-0	0-0	54	0-4
Distribution	323	0-0	0-17	186	0-500

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 #)
Turbidity	8760	0.07 – 0.58
Chlorine	8760	0.63 – 1.35
Fluoride (If the DWS provides fluoridation)		

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

NOTE: Record the unit of measure if it is not milligrams per litre.

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

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

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	Jan. 20/04	<0.6	ug/L	No
Arsenic	Jan. 20/04	<2	ug/L	No
Barium	Jan. 20/04	14	ug/L	No
Boron	Jan. 20/04	14	ug/L	No
Cadmium	Jan. 20/04	<0.1	ug/L	No
Chromium	Jan. 20/04	<3	ug/L	No
Lead (DDW)	Jan. 20/04	<0.6	ug/L	No
Mercury	Jan. 20/04	<0.1	ug/L	No
Selenium	Jan. 20/04	<3	ug/L	No
Sodium	April 13/04	5.2	mg/L	No
Uranium	Jan. 20/04	<0.05	ug/L	No
Fluoride	April 13/04	0.07	mg/L	No
Nitrite	Jan. 20/04	<0.011	mg/L	No
Nitrate	Jan. 20/04	0.592	mg/L	No

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	Jan. 20/04	<0.11	ug/L	No
Aldicarb	Jan. 20/04	<0.3	ug/L	No
Aldrin + Dieldrin	Jan. 20/04	<0.067	ug/L	No
Atrazine + N-dealkylated metabolites	Jan. 20/04	<0.12	ug/L	No
Azinphos-methyl	Jan. 20/04	<0.21	ug/L	No
Bendiocarb	Jan. 20/04	<0.13	ug/L	No
Benzene	Jan. 20/04	<0.36	ug/L	No
Benzo(a)pyrene	Jan. 20/04	<0.004	ug/L	No
Bromoxynil	Jan. 20/04	<0.094	ug/L	No
Carbaryl	Jan. 20/04	<0.16	ug/L	No
Carbofuran	Jan. 20/04	<0.37	ug/L	No
Carbon Tetrachloride	Jan. 20/04	<0.34	ug/L	No
Chlordane (Total)	Jan. 20/04	<0.11	ug/L	No
Chlorpyrifos	Jan. 20/04	<0.18	ug/L	No
Cyanazine	Jan. 20/04	<0.18	ug/L	No

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

Diazinon	Jan. 20/04	<0.081	ug/L	No
Dicamba	Jan. 20/04	<0.17	ug/L	No
1,2-Dichlorobenzene	Jan. 20/04	<0.56	ug/L	No
1,4-Dichlorobenzene	Jan. 20/04	<0.25	ug/L	No
Dichlorodiphenyltrichloroethane (DDT) + metabolites	Jan. 20/04	<0.14	ug/L	No
1,2-Dichloroethane	Jan. 20/04	<0.32	ug/L	No
1,1-Dichloroethylene (vinylidene chloride)	Jan. 20/04	<0.52	ug/L	No
Dichloromethane	Jan. 20/04	<1.17	ug/L	No
2-4 Dichlorophenol	Jan. 20/04	<0.15	ug/L	No
2,4-Dichlorophenoxy acetic acid (2,4-D)	Jan. 20/04	<0.11	ug/L	No
Diclofop-methyl	Jan. 20/04	<0.13	ug/L	No
Dimethoate	Jan. 20/04	<0.12	ug/L	No
Dinoseb	Jan. 20/04	<0.084	ug/L	No
Diquat	Jan. 20/04	<1	ug/L	No
Diuron	Jan. 20/04	<0.087	ug/L	No
Glyphosate	Jan. 20/04	<6	ug/L	No
Heptachlor + Heptachlor Epoxide	Jan. 20/04	<0.11	ug/L	No
Lindane (Total)	Jan. 20/04	<0.056	ug/L	No
Malathion	Jan. 20/04	<0.091	ug/L	No
Methoxychlor	Jan. 20/04	<0.14	ug/L	No
Metolachlor	Jan. 20/04	<0.092	ug/L	No
Metribuzin	Jan. 20/04	<0.12	ug/L	No
Monochlorobenzene	Jan. 20/04	<0.46	ug/L	No
Paraquat	Jan. 20/04	<1	ug/L	No
Parathion	Jan. 20/04	<0.18	ug/L	No
Pentachlorophenol	Jan. 20/04	<0.15	ug/L	No
Phorate	Jan. 20/04	<0.11	ug/L	No
Picloram	Jan. 20/04	<0.20	ug/L	No
Polychlorinated Biphenyls(PCB)	Jan. 20/04	<0.04	ug/L	No
Prometryne	Jan. 20/04	<0.23	ug/L	No
Simazine	Jan. 20/04	<0.15	ug/L	No
THM (NOTE: show latest annual average)	Oct.26/04	14.25	ug/L	No
Temephos	Jan. 20/04	<0.31	ug/L	No
Terbufos	Jan. 20/04	<0.12	ug/L	No
Tetrachloroethylene	Jan. 20/04	<0.48	ug/L	No
2,3,4,6-Tetrachlorophenol	Jan. 20/04	<0.14	ug/L	No
Triallate	Jan. 20/04	<0.10	ug/L	No
Trichloroethylene	Jan. 20/04	<0.54	ug/L	No
2,4,6-Trichlorophenol	Jan. 20/04	<0.25	ug/L	No
2,4,5-Trichlorophenoxy acetic acid (2,4,5-T)	Jan. 20/04	<0.14	ug/L	No
Trifluralin	Jan. 20/04	<0.12	ug/L	No
Vinyl Chloride	Jan. 20/04	<0.08	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

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