

**OPTIONAL ANNUAL REPORT TEMPLATE**

Drinking Water System Number:	260046471
Drinking Water System Name:	Oil Springs Water Distribution System
Drinking Water System Owner:	The Corporation of the Village of Oil Springs
Drinking Water System Category:	Large Municipal Residential
Period being reported:	January 1 <sup>st</sup> , 2023 – December 31 <sup>st</sup> , 2023

<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 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>The Village of Oil Springs Municipal Office 4591 Oil Springs Line Oil Springs, Ontario N0N 1P0 www.oilsprings.ca</p> </div>	<p><b><u>Complete for all other Categories</u></b></p> <p>Number of Designated Facilities served:  <div style="border: 1px solid black; padding: 2px; width: 100px;">none</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; padding: 2px; width: 100px;">none</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 their drinking water from your system:

Drinking Water System Name	Drinking Water System Number
none	

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 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:

#### **Describe your Drinking Water System**

Oil Springs Water Distribution System serves approximately 698 residents. The Distribution system consists of a 50 mm diameter to a 300 mm diameter watermain. Components are hydrants, water main isolation valves, residential water services and blow offs at dead ends. Jacobs (OMI) is the Operating Authority.

Oil Springs receives/purchases water from the Township of Enniskillen and is connected to the Enniskillen WDS at two (2) metered connections. No chemicals are added to the system by The Village of Oil Springs. Immediately upstream of the system, the Township of Enniskillen provides re-chlorination with a 12% chlorine solution of sodium hypochlorite to the Influent flow at the Enniskillen Reservoir and again leaving the reservoir upon entering the Oil Springs WDS. The Enniskillen reservoir has in-line chlorine analyzers, pressure monitoring equipment with 24/7 alarm monitoring capabilities and is operated by Enniskillen Public Works.

Oil Springs distribution pressure is monitored at the Municipal Office by Jacobs Operators and documented in the facility logbook.

The Oil Springs Distribution System compliance sampling follows O. Reg 170/03 s 7-2 (3) and (4). Collecting seven (7) samples per week following the 4/3 rule. The Village of Oil Springs has qualified for the reduced lead sampling schedule and performed lead sampling in 2022 (April 5<sup>th</sup> & Oct 4<sup>th</sup>) and is scheduled to sample for Lead in the 2024/2025 season.

HAA's – are collected at Hydrant # 34, closest to the Enniskillen Reservoir where the Chlorine is deposited into the Oil Springs WDS

THM's – were collected at Hydrant # 38 for the 1<sup>st</sup> quarter and for the 2<sup>nd</sup> and 3<sup>rd</sup> quarter the sample was collected at the Oil Springs Museum. For the 4<sup>th</sup> quarter the samples were collected at Sample Station # 1 (located behind the museum). Going forward the THM samples shall be collected alternately between Hydrant # 38 and Sample Station # 1. Both locations are dead-ends and the furthest point in the system.

Jacobs Operators replace water meters as requested by the Village.

Hydrant and Dead ends are flushed semi-annually, and water main valves are exercised annually.

List all water treatment chemicals used over this reporting period.

none

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.

Purchased two (2) water sample stations from EMCO – \$7679.48

Gilliard Drainage Installed both water sample stations - \$11,868.23

Purchase & replace residential water meters, budgeted 5 per year – \$3,500

Miscellaneous parts - \$ 327.14

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 Results (min #)-(max #)	Range of Total Coliform Results (min #)-(max #)	Number of HPC Samples	Range of HPC Results (min #)-(max #)
Raw						
Treated						
Distribution		96	0.00 to 0.00	0.00 to 0.00	24	< 10 to 30

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
Turbidity			
Chlorine	364	0.39 to 2.08	mg/L
Fluoride (If the DWS provides fluoridation)			

*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
July 1 <sup>st</sup> , 2017	HAA	Jan 10 <sup>th</sup>	18.8	ug/L
	HAA	April 4 <sup>th</sup>	23.0	ug/L
	HAA	July 11 <sup>th</sup>	20.9	ug/L
	HAA	Oct 11 <sup>th</sup>	24.5	ug/L

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				
Arsenic				
Barium				
Boron				
Cadmium				
Chromium				
*Lead				
Mercury				
Selenium				
Sodium				
Uranium				
Fluoride				
Nitrite				
Nitrate				

\*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
Plumbing				
Distribution	None			

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				
Atrazine + N-dealkylated metabolites				
Azinphos-methyl				

Benzene				
Benzo(a)pyrene				
Bromoxynil				
Carbaryl				
Carbofuran				
Carbon Tetrachloride				
Chlorpyrifos				
Diazinon				
Dicamba				
1,2-Dichlorobenzene				
1,4-Dichlorobenzene				
1,2-Dichloroethane				
1,1-Dichloroethylene (vinylidene chloride)				
Dichloromethane				
2,4 Dichlorophenol				
2,4-Dichlorophenoxy acetic acid (2,4-D)				
Diclofop-methyl				
Dimethoate				
Diquat				
Diuron				
Glyphosate				
HAA's (Note: show latest running annual average)				
Lindane (Total)				
Malathion				
Metolachlor				
Metribuzin				
Monochlorobenzene				
Paraquat				
Pentachlorophenol				
Phorate				
Picloram				
Polychlorinated Biphenyls(PCB)				
Prometryne				
Simazine				
Terbufos				
Tetrachloroethylene (perchloroethylene)				
2,3,4,6-Tetrachlorophenol				
THMs (Note: show latest running annual average)	Jan 10 <sup>th</sup> April 4 <sup>th</sup> July 11 <sup>th</sup> Oct 11 <sup>th</sup>	36 37 62 65	ug/L	
Triallate				
Trichloroethylene				

2,4,6-Trichlorophenol				
Trifluralin				
Vinyl Chloride				

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
THM	0.062	mg/L	July 11 <sup>th</sup>
THM	0.065	mg/L	Oct 11th