

## OPTIONAL ANNUAL REPORT TEMPLATE

<b>Drinking-Water System Number:</b>	220003065
<b>Drinking-Water System Name:</b>	Timmins Water Filtration Plant
<b>Drinking-Water System Owner:</b>	Corp. of the City of Timmins
<b>Drinking-Water System Category:</b>	Large Municipal Residential
<b>Period being reported:</b>	January 1, 2024 to December 31, 2024

<p><b><u>Complete if your Category is Large Municipal Residential or Small Municipal Residential</u></b></p> <p><b>Does your Drinking-Water System serve more than 10,000 people? Yes [ x ] No [ ]</b></p> <p><b>Is your annual report available to the public at no charge on a web site on the Internet? Yes [ x ] No [ ]</b></p> <p><b>Location where Summary Report required under O. Reg. 170/03 Schedule 22 will be available for inspection.</b></p> <div style="border: 1px solid black; padding: 5px;"> <ol style="list-style-type: none"> <li>1. Timmins Water Filtration Plant, 110 Feldman Road, Timmins, Ontario, P4N 7J8</li> <li>2. Environmental Services &amp; Public Utilities, 171 Iroquois Road, Timmins, Ontario, P4N 0C9</li> </ol> </div>	<p><b><u>Complete for all other Categories.</u></b></p> <p><b>Number of Designated Facilities served:</b></p> <div style="border: 1px solid black; width: 100px; text-align: center; margin: 5px;">0</div> <p><b>Did you provide a copy of your annual report to all Designated Facilities you serve? Yes [ ] No [ ]</b></p> <p><b>Number of Interested Authorities you report to:</b></p> <div style="border: 1px solid black; width: 100px; text-align: center; margin: 5px;">0</div> <p><b>Did you provide a copy of your annual report to all Interested Authorities you report to for each Designated Facility? Yes [ ] No [ ]</b></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	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 ]



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**

Surface raw water supplied from Mattagami River. The Timmins Water Filtration Plant (TWFP) employs chemically assisted filtration followed by pH adjustment with caustic soda. After primary disinfection with UV treatment and chlorine the water is stored in four (4) clearwell reservoirs and pumped to distribution system. The TWFP is a Class IV water treatment operation.

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

Liquefied chlorine gas, Sodium hypochlorite, caustic soda, cationic polymer, aluminum sulphate, anionic polymer, sodium bisulphite

**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**

Maclean Drive, Natural Gas Backup Generator	\$ 67,247.94
Backwash Pump & HLP Design & Study	\$ 88,555.78
SCADA Upgrades	\$ 151,571.72
Valve replacements at Stations	\$ 72,581.98
Actiflo Air Scour System Design & Procurement	\$ 484,997.60
Caustic Soda Tank Liner	\$ 167,188.48
Station Roof Replacement	\$ 4,172.27
Trunk Watermain Replacement	\$ 405,605.69
Connecting Link -Water	\$1,486,891.70
New Reservoir Study & Design	\$ 238,684.30
Needs Study	\$ 812,358.19

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 (dd/mm/yy)	Parameter	Result	Unit of Measure	Corrective Action	Corrective Action Date
No Incidents in 2024.					

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	100	0-200	6-320	n/a	n/a
Treated	101	0-0	0-0	101	0-23
Distribution	931	0-0	0-0	455	0-93

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 (System)	8760	0.08-0.99	ntu
Chlorine	8760	1.12-3.10	ppm
Fluoride (If the DWS provides fluoridation)	N/A	N/A	

**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
n/a	n/a	n/a	n/a	n/a

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	02/27/2024	<0.0006	mg/L	None
Arsenic	02/27/2024	<0.0002	mg/L	None
Barium	02/27/2024	0.0044	mg/L	None
Boron	02/27/2024	0.003	mg/L	None
Cadmium	02/27/2024	<0.000003	mg/L	None
Chromium	02/27/2024	0.00014	mg/L	None
*Lead	02/27/2024			
Mercury	02/27/2024	<0.00001	mg/L	None
Selenium	02/27/2024	<0.00004	mg/L	None
Sodium	02/27/2024	13.9	mg/L	None
Uranium	02/27/2024	0.000003	mg/L	None
Fluoride	02/27/2024	<0.06	mg/L	None
Nitrate	02/20/2024	0.099	mg/L	None
	05/27/2024	0.048		
	08/19/2024	0.023		
	11/18/2024	<0.05		
Nitrite	02/20/2024	<0.003	mg/L	None
	05/27/2024	<0.003		
	08/19/2024	<0.003		
	11/18/2024	<0.05		

\*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	0	n/a		n/a
Distribution	8	0.08-0.96	µg/L	0

## Summary of Organic parameters sampled during this reporting period or the most recent sample results

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
1,1-Dichloroethylene	02/27/2024	<0.00033	mg/l	None
1,2-Dichlorobenzene	02/27/2024	<0.00041	mg/l	None
1,2-Dichloroethane	02/27/2024	<0.00035	mg/l	None
1,4-Dichlorobenzene	02/27/2024	<0.00036	mg/l	None
2,3,4,6-Tetrachlorophenol	02/27/2024	<0.00020	mg/l	None
2,4,6-Trichlorophenol	02/27/2024	<0.00025	mg/l	None



<b>2-4 Dichlorophenol</b>	02/27/2024	<0.00015	mg/l	None
<b>2,4-Dichlorophenoxy acetic acid (2,4-D)</b>	02/27/2024	<0.00019	mg/l	None
<b>Alachlor</b>	02/27/2024	<0.00002	mg/l	None
<b>Atrazine + N-dealkylated metabolites</b>	02/27/2024	<0.00001	mg/l	None
<b>Azinphos-methyl</b>	02/27/2024	<0.00005	mg/l	None
<b>Benzene</b>	02/27/2024	<0.00032	mg/l	None
<b>Benzo(a)pyrene</b>	02/27/2024	<0.000004	mg/l	None
<b>Bromoxynil</b>	02/27/2024	<0.00033	mg/l	None
<b>Carbaryl</b>	02/27/2024	<0.00005	mg/l	None
<b>Carbofuran</b>	02/27/2024	<0.00001	mg/l	None
<b>Carbon Tetrachloride</b>	02/27/2024	<0.00017	mg/l	None
<b>Chlorobenzene</b>	02/27/2024	<0.0003	mg/l	None
<b>Chlorpyrifos</b>	02/27/2024	<0.00002	mg/l	None
<b>Diazinon</b>	02/27/2024	<0.00002	mg/l	None
<b>Dicamba</b>	02/27/2024	<0.00020	mg/l	None
<b>Dichloromethane</b>	02/27/2024	<0.00035	mg/l	None
<b>Diclofop-methyl</b>	02/27/2024	<0.00040	mg/l	None
<b>Dimethoate</b>	02/27/2024	<0.00006	mg/l	None
<b>Diquat</b>	02/27/2024	<0.001	mg/l	None
<b>Diuron</b>	02/27/2024	<0.00003	mg/l	None
<b>Glyphosate</b>	02/27/2024	<0.001	mg/l	None
<b>Malathion</b>	02/27/2024	<0.00002	mg/l	None
<b>Metolachlor</b>	02/27/2024	<0.00001	mg/l	None
<b>Metribuzin</b>	02/27/2024	<0.00002	mg/l	None
<b>Paraquat</b>	02/27/2024	<0.001	mg/l	None
<b>Pentachlorophenol /PCP</b>	02/27/2024	<0.00015	mg/l	None
<b>Phorate</b>	02/27/2024	<0.00001	mg/l	None
<b>Picloram</b>	02/27/2024	<0.001	mg/l	None
<b>Polychlorinated Biphenyls(PCB)</b>	02/27/2024	<0.00004	mg/l	None
<b>Prometryne</b>	02/27/2024	<0.00003	mg/l	None
<b>Simazine</b>	02/27/2024	<0.00001	mg/l	None
<b>Terbufos</b>	02/27/2024	<0.00001	mg/l	None
<b>Tetrachloroethylene</b>	02/27/2024	<0.00035	mg/l	None
<b>Triallate</b>	02/27/2024	<0.00001	mg/l	None
<b>Trichloroethylene</b>	02/27/2024	<0.00044	mg/l	None
<b>Trifluralin</b>	02/27/2024	<0.00002	mg/l	None
<b>Vinyl Chloride</b>	02/27/2024	<0.00017	mg/l	None

### THM- SUMMARY TABLE

	1 <sup>st</sup> Quarter	2nd Quarter	3 <sup>rd</sup> Quarter	4 <sup>th</sup> Quarter
Quarterly Average	58.8	103.5	120.0	63.6
System THM – Entering Distribution	43	58	63	42.4
<i>Maximum Acceptable Concentration - THM</i>	<i>100</i>	<i>100</i>	<i>100</i>	<i>100</i>
4 Quarter Average THM RAA (100 MAC)	<b>80.0</b>	<b>83.7</b>	<b>89.8</b>	<b>86.5</b>
*All units as µg/L (ppb)				

### HAA- SUMMARY TABLE

	1 <sup>st</sup> Quarter	2nd Quarter	3 <sup>rd</sup> Quarter	4 <sup>th</sup> Quarter
Quarterly Average	50.7	81.1	85.9	69.2
System HAA – Entering Distribution	26.1	36.9	43.0	37.0
<i>Maximum Acceptable Concentration – HAA</i>	<i>80</i>	<i>80</i>	<i>80</i>	<i>80</i>
4 Quarter Average HAA RAA (80 MAC)	<b>61.7</b>	<b>66.8</b>	<b>71.5</b>	<b>71.7</b>
*All units as µg/L (ppb)				

### Composite Suspended Solids Discharged to River

Month	Value mg/l (25 mg/l MAC)	RAA (Running Annual Average)
January	6	9.82
February	9	9.36
March	9	9.27
April	9	9.45
May	7	9.25
June	7	8.92
July	6	8.50
August	6	8.42
September	4	8.42
October	4	8.50
November	11.3	8.78
December	9.33	7.30



**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
n/a	n/a	n/a	n/a