

Optional Annual Report Template

Drinking-Water System Number:	260094939
Drinking-Water System Name:	Mannheim distribution system
Drinking-Water System Owner:	Township of Wilmot
Drinking-Water System Category:	Large Municipal Residential
Period being reported:	Jan 1, 2021 - Dec 31, 2021
Report Date:	February 25 th 2022

<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 [<input type="checkbox"/>] No [<input checked="" type="checkbox"/>]</p> <p>Is your annual report available to the public at no charge on a web site on the Internet? Yes [<input checked="" type="checkbox"/>] No [<input type="checkbox"/>]</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>Township of Wilmot Public Works Service Centre 2719 Sandhills Road Baden, Ontario</p> </div>	<p><u>Complete for all other Categories.</u></p> <p>Number of Designated Facilities served: <input style="width: 100px; height: 20px;" type="text"/></p> <p>Did you provide a copy of your annual report to all Designated Facilities you serve? Yes [<input type="checkbox"/>] No [<input type="checkbox"/>]</p> <p>Number of Interested Authorities you report to: <input style="width: 100px; height: 20px;" 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 [<input type="checkbox"/>] No [<input type="checkbox"/>]</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 - See Region of Waterloo	

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 (see options top of next page).

- 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

The Township of Wilmot owns and operates the water distribution system, The Wilmot Utilities department is responsible for operation and maintenance of the class 1 water distribution system, including 3.43 km's water main, 30 water main valves and 23 fire hydrants with estimated population of 410.4 people, there are 152 service connections.

The Region of Waterloo owns and operates all water source wells, storage, and transmission mains. As well as provides treatment to the source water delivered to the Township of Wilmot Distribution system. The Township of Wilmot does not provide treatment to the water. (See Region of Waterloo's Annual Summary Report)

The Mannheim Distribution system is supplied from the Region of Waterloo reservoir and has a combination of chlorine and ammonia as secondary disinfection.

List all water treatment chemicals used over this reporting period

N/A - See Region of Waterloo

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

N/A - See Region of Waterloo

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
June 24 th 2021	TC exceedance	presence	Presence/absence	Flush & re-sample	June 28 th 2021

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					
Treated					
Distribution	105	Absent	Absent	47	0 - 360

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		
Chlorine	469	0.35 - 1.73
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.*

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

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				
Aldicarb - *				

* - Removed from Schedule 23 and 24 of Reg 170 on Jan 1, 2016

Aldrin + Dieldrin - *				
Atrazine + N-dealkylated metabolites				
Azinphos-methyl				
Bendiocarb - *				
Benzene				
Benzo(a)pyrene				
Bromoxynil				
Carbaryl				
Carbofuran				
Carbon Tetrachloride				
Chlordane (Total) - *				
Chlorpyrifos				
Cyanazine - *				
Diazinon				
Dicamba				
1,2-Dichlorobenzene				
1,4-Dichlorobenzene				
Dichlorodiphenyltrichloroethane (DDT) + metabolites - *				
1,2-Dichloroethane				
1,1-Dichloroethylene (vinylidene chloride)				
Dichloromethane				
2,4 Dichlorophenol				
2,4-Dichlorophenoxy acetic acid (2,4-D)				
Diclofop-methyl				
Dimethoate				
Dinoseb - *				
Diquat				
Diuron				
Glyphosate				
Heptachlor + Heptachlor Epoxide - *				
Lindane (Total) - *				
Malathion				
2-Methyl-4-chlorophenoxyacetic acid (MCPA)				
Methoxychlor - *				
Metolachlor				
Metribuzin				
Monochlorobenzene				
Paraquat				
Parathion - *				
Pentachlorophenol				
Phorate				
Picloram				
Polychlorinated Biphenyls(PCB)				

* - Removed from Schedule 23 and 24 of Reg 170 on Jan 1, 2016

Prometryne				
Simazine				
THM (NOTE: show latest annual average)	Nov. 2, 2021	25.6	Ug/l	None
HAA (NOTE: show latest annual average)	Nov. 2, 2021	8.55	Ug/l	None
Temephos - *				
Terbufos				
Tetrachloroethylene				
2,3,4,6-Tetrachlorophenol				
Triallate				
Trichloroethylene				
2,4,6-Trichlorophenol				
2,4,5-Trichlorophenoxy acetic acid (2,4,5-T) - *				
Trifluralin				
Vinyl Chloride				

* - Removed from Schedule 23 and 24 of Reg 170 on Jan 1, 2016

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