

1Part III Form 2
Section 11. ANNUAL REPORT.

Drinking-Water System Number:	260009503
Drinking-Water System Name:	Manitoulin High School
Drinking-Water System Owner:	Rainbow District School Board
Drinking-Water System Category:	Small Non-Municipal Non Residential
Period being reported:	April 1, 2021 – March 31, 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 [] 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><u>Complete for all other Categories.</u></p> <p>Number of Designated Facilities served: <input type="text" value="One"/></p> <p>Did you provide a copy of your annual report to all Designated Facilities you serve? Yes [X] No []</p> <p>Number of Interested Authorities you report to: <input type="text" value="One"/></p> <p>Did you provide a copy of your annual report to all Interested Authorities you report to for each Designated Facility? Yes [X] 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	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 – Notice posted at the School

Describe your Drinking-Water System

An onsite water supply system which uses surface water is employed. The water supply system consists of an inlet structure and a pump house at the shoreline of West Bay which services approximately 400 students. From here, the raw water is pumped to a mechanical filter system (clarifier). The microbead filter as well as the chlorination system and the water storage tank are located in the boiler room. The major components of the water supply system include the following:
 A 150 mm intake, pump house including wet well at the shoreline, 100 mm watermain including fittings and valves, micro bead filter, chlorination system and storage tank, two pumps and piping.

List all water treatment chemicals used over this reporting period

Sodium Hypochlorite 5%

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: There were no significant monetary expenses for the reporting period.

Work Order	Completion Date	Comment
n/a		

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
20-Oct-21	Lead	12.7 – Standing sample	ug/L	Tap rendered inaccessible and completing daily flushing.	20-Oct-21

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	N/A	N/A	N/A	N/A	
Treated	25	0 - 0	0 - 0	0	0 - 0

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	0.01 – 6 NTU
Chlorine	8760	0.09 – 4.06 mg/L

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
N/A				

Summary of Inorganic parameters tested during this reporting period or the most recent sample results

Parameter	Sample Date (yyyy/mm/dd)	Result Value	Unit of Measure	Exceedance
Antimony	2020/01/02	0.14	ug/L	No
Arsenic	2020/01/02	0.3	ug/L	No
Barium	2020/01/02	13.4	ug/L	No
Boron	2020/01/02	18.0	ug/L	No
Cadmium	2020/01/02	<0.003	ug/L	No
Chromium	2020/01/02	0.16	ug/L	No
Mercury	2020/01/02	0.02	ug/L	No
Selenium	2020/01/02	0.15	ug/L	No
Sodium	2020/01/02	8.23	ug/L	No
Uranium	2020/01/02	0.341	ug/L	No
Fluoride	2020/01/02	0.07	mg/L	No
Nitrite	2021/04/06	<0.003	mg/L	No
	2021/07/13	<0.003		
	2021/10/06	<0.003		
	2022/01/04	<0.003		

Nitrate	2021/04/06	0.234	mg/L	No
	2021/07/13	0.227		
	2021/10/06	0.179		
	2022/01/04	0.211		

Summary of lead testing

Location Type	Number of Samples	Lead Results (min #)-(max #)	Unit of Measure	Number of Exceedances
Plumbing - Standing	1	12.7	ug/L	1
Plumbing - Flushing	1	3.59	ug/L	0

MAC for Lead: 10 ug/L
Summary of Organic parameters sampled during this reporting period or the most recent sample results

Parameter	Sample Date (yyyy/mm/dd)	Result Value	Unit of Measure	Exceedance
Alachlor	2020/01/02	<0.02	ug/L	No
Atrazine + N-dealkylated metabolites	2020/01/02	<0.01	ug/L	No
Azinphos-methyl	2020/01/02	<0.05	ug/L	No
Benzene	2020/01/02	<0.32	ug/L	No
Benzo(a)pyrene	2020/01/02	<0.004	ug/L	No
Bromoxynil	2020/01/02	<0.33	ug/L	No
Carbaryl	2020/01/02	<0.05	ug/L	No
Carbofuran	2020/01/02	<0.01	ug/L	No
Carbon Tetrachloride	2020/01/02	<0.17	ug/L	No
Chlorpyrifos	2020/01/02	<0.02	ug/L	No
Cyanazine	2020/01/02	<0.02	ug/L	No
Diazinon	2020/01/02	<0.2	ug/L	No
Dicamba	2020/01/02	<0.41	ug/L	No
1,2-Dichlorobenzene	2020/01/02	<0.36	ug/L	No
1,4-Dichlorobenzene	2020/01/02	<0.35	ug/L	No
1,2-Dichloroethane	2020/01/02	<0.33	ug/L	No
1,1-Dichloroethylene (vinylidene chloride)	2020/01/02	<0.35	ug/L	No
Dichloromethane	2020/01/02	<0.15	ug/L	No
2-4 Dichlorophenol	2020/01/02	<0.19	ug/L	No
2,4-Dichlorophenoxy acetic acid (2,4-D)	2020/01/02	<0.4	ug/L	No
Diclofop-methyl	2020/01/02	<0.06	ug/L	No
Dimethoate	2020/01/02	<1.0	ug/L	No
Diquat	2020/01/02	<0.03	ug/L	No
Diuron	2020/01/02	<1.0	ug/L	No
Glyphosate	2020/01/02	<0.02	ug/L	No
Malathion	2020/01/02	<0.01	ug/L	No
Metolachlor	2020/01/02	<0.02	ug/L	No
Metribuzin	2020/01/02	<0.3	ug/L	No

Monochlorobenzene	2020/01/02	<1.0	ug/L	No
Paraquat	2020/01/02	<0.04	ug/L	No
Pentachlorophenol	2020/01/02	<0.15	ug/L	No
Phorate	2020/01/02	<0.01	ug/L	No
Picloram	2020/01/02	<1.0	ug/L	No
Polychlorinated Biphenyls(PCB)	2020/01/02	<0.03	ug/L	No
Prometryne	2020/01/02	<0.01	ug/L	No
Simazine	2020/01/02	<0.01	ug/L	No
Terbufos	2020/01/02	<0.35	ug/L	No
Tetrachloroethylene	2020/01/02	<0.2	ug/L	No
2,3,4,6-Tetrachlorophenol	2020/01/02	<0.01	ug/L	No
Triallate	2020/01/02	<0.44	ug/L	No
2,4,6-Trichlorophenol	2020/01/02	<0.25	ug/L	No
Trifluralin	2020/01/02	<0.12	ug/L	No
Vinyl Chloride	2020/01/02	<0.02	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
N/A			

(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)