

O. Reg. 170 SECTION 11 ANNUAL REPORT
**Part III Form 2
 Section 11. ANNUAL REPORT.**

Drinking-Water System Number:	260009516
Drinking-Water System Name:	Monetville Public School
Drinking-Water System Owner:	Rainbow District School Board
Drinking-Water System Category:	Small Non – Municipal Non - Residential
Period being reported:	April 1, 2024 to March 31, 2025

<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 Report required under O. Reg. 170/03 Schedule 22 will be available for inspection.</p> <p>Rainbow District School Board 408 Wembly Dr Sudbury, ON P3E 1P2</p> <p>Monetville Public School 7099 Hwy 64N</p>	<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 [] 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> <p>Ministry of Education 900 Bay St, 21st Fl, Mowat Block Toronto ON M7A 1L2 Email: EDU_DrinkingWater@ontario.ca</p>
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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 []

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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 school

Description of the Drinking-Water System

The water supply consists of a 150 mm Ø drilled well which was installed in bedrock in June 2002. A submersible pump supplies the raw water through a 40 Ø mm P.E. water main to the treatment and monitoring room in the school building. The chlorination system consists of a solution tank, a feed pump and an injector.

In July 2024, work began to install a UV disinfection system to replace the chlorination system. On August 22, the new UV disinfection system was completed and placed online. All chlorination system components were then removed from the site.

Primary disinfection is now provided by an NSF/ANSI 55 Class A approved disinfection unit manufactured by Trojan Technologies. The UV system consists of two VIQUA “Pro 30” units sized to operate in a 1 duty/1 standby arrangement, and each rated for 1.90 L/s at 40 mJ/cm² and a UV transmittance of 75%.

List of all water treatment chemicals used over this reporting period

Sodium Hypochlorite 12 %

Were any significant expenses incurred to?

- Install required equipment
- Repair required equipment
- Replace required equipment

Description and breakdown of monetary expenses incurred:

Work Order	Completion Date	Comment
4096004	03-Sept-24	Installation of new UV disinfection equipment. Installed and programmed new Wonderware data panel.

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
N/A	N/A	N/A	N/A	N/A	N/A

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Microbiological testing done under section 8-2 during this reporting period

	Number of Samples	Range of E.Coli or Fecal Results (#-#)	Range of Total Coliform Results (#-#)	Number of HPC Samples	Range of HPC Results (#-#)
Raw	12	0 – 0	0 – 0	N/A	
Treated	24	0 – 0	0 – 0	N/A	

Operational testing done under Schedule 7, 8 or 9 during the period covered by this Annual Report.

Parameter	Sample point	# samples	Min	Max	Average
Online Free Cl ₂ mg/L	Analyzer	8760	0.2	5.00	1.64
Turbidity NTU	In-house	13	0.26	0.80	0.37

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 or order.

Date of order or C of A	Parameter	Date Sampled	Result	Unit of Measure
N/A	N/A	N/A	N/A	N/A

Flushing & Testing for Lead in Drinking Water under Ontario Regulation 243/07 (Schools, Private Schools and Day Nurseries)

Location Type	Number of Samples	Lead Results (min #)-(max #)	Unit of Measure	Number of Exceedances
Plumbing - Standing	1	7.70	ug/L	0
Plumbing – Flushing	1	1.94	ug/L	0

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

Parameter	Sample Date (yyyy/mm/dd)	Result Value	Unit of Measure	Exceedance
Antimony	2025/01/08	< MDL 0.6	6.0	No
Arsenic	2025/01/08	0.5	10.0	No
Barium	2025/01/08	164	1000.0	No
Boron	2025/01/08	83	5000.0	No
Cadmium	2025/01/08	< MDL 0.003	5.0	No

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Chromium	2025/01/08	0.1	50.0	No
Mercury	2025/01/08	< MDL 0.01	1.0	No
Selenium	2025/01/08	< MDL 0.04	50.0	No
Uranium	2025/01/08	0.939	20.0	No
Nitrite	2024/04/15	<0.003	mg/L	No
	2024/07/02	<0.003		No
	2024/10/02	<0.003		No
	2025/01/08	<0.003		No
Nitrate	2024/04/15	<0.006	mg/L	No
	2024/07/02	0.006		No
	2024/10/02	<0.006		No
	2025/01/08	<0.006		No
Fluoride	2025/01/08	0.28	mg/L	No
Sodium	2025/01/08	16.1	mg/L	No

Summary of Organic parameters sampled during this reporting period or most recent

Parameter	Sample Date (yyyy/mm/dd)	Result Value	Unit of Measure	Exceedance
1,1-Dichloroethylene (ug/L)-TW	2025/01/08	< MDL 0.33	14	No
1,2-Dichlorobenzene (ug/L)-TW	2025/01/08	< MDL 0.41	200	No
1,2-Dichloroethane (ug/L)-TW	2025/01/08	< MDL 0.35	5	No
1,4-Dichlorobenzene (ug/L)-TW	2025/01/08	< MDL 0.36	5	No
2,3,4,6-Tetrachlorophenol (ug/L)-TW	2025/01/08	< MDL 0.2	100	No
2,4,6-Trichlorophenol (ug/L)-TW	2025/01/08	< MDL 0.25	5	No
2,4-Dichlorophenol (ug/L)-TW	2025/01/08	< MDL 0.15	900	No
2,4-Dichlorophenoxy acetic acid (2,4-D) (ug/L)-TW	2025/01/08	< MDL 0.19	100	No
2-methyl-4-chlorophenoxyacetic acid (MCPA) (ug/L)-TW	2025/01/08	< MDL 0.12	100	No
Alachlor (ug/L) -TW	2025/01/08	< MDL 0.02	5	No
Atrazine + N-dealkylated metabolites (ug/L)-TW	2025/01/08	< MDL 0.01	5	No
Azinphos-methyl (ug/L)-TW	2025/01/08	< MDL 0.05	20	No
Benzene (ug/L)-TW	2025/01/08	< MDL 0.32	1	No
Benzo(a)pyrene (ug/L)-TW	2025/01/08	< MDL 0.004	0.01	No
Bromoxynil (ug/L)-TW	2025/01/08	< MDL 0.33	5	No
Carbaryl (ug/L)-TW	2025/01/08	< MDL 0.05	90	No
Carbofuran (ug/L) -TW	2025/01/08	< MDL 0.01	90	No
Carbon Tetrachloride (ug/L) -TW	2025/01/08	< MDL 0.17	2	No
Chlorpyrifos (ug/L) -TW	2025/01/08	< MDL 0.02	90	No
Diazinon (ug/L)-TW	2025/01/08	< MDL 0.02	20	No
Dicamba (ug/L)-TW	2025/01/08	< MDL 0.2	120	No

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Dichloromethane (Methylene Chloride) (ug/L)-TW	2025/01/08	< MDL 0.35	50	No
Diclofop-methyl (ug/L)-TW	2025/01/08	< MDL 0.4	9	No
Dimethoate (ug/L)-TW	2025/01/08	< MDL 0.06	20	No
Diquat (ug/L)-TW	2025/01/08	< MDL 1	70	No
Diuron (ug/L)-TW	2025/01/08	< MDL 0.03	150	No
Glyphosate (ug/L)-TW	2025/01/08	< MDL 1	280	No
Malathion (ug/L)-TW	2025/01/08	< MDL 0.02	190	No
Metolachlor (ug/L)-TW	2025/01/08	< MDL 0.01	50	No
Metribuzin (ug/L)-TW	2025/01/08	< MDL 0.02	80	No
Monochlorobenzene (Chlorobenzene) (ug/L)-TW	2025/01/08	< MDL 0.3	80	No
Paraquat (ug/L)-TW	2025/01/08	< MDL 1	10	No
PCB (ug/L)-TW	2025/01/08	< MDL 0.04	3	No
Pentachlorophenol (ug/L)-TW	2025/01/08	< MDL 0.15	60	No
Phorate (ug/L)-TW	2025/01/08	< MDL 0.01	2	No
Picloram (ug/L)-TW	2025/01/08	< MDL 1	190	No
Prometryne (ug/L)-TW	2025/01/08	< MDL 0.03	1	No
Simazine (ug/L)-TW	2025/01/08	< MDL 0.01	10	No
Terbufos (ug/L)-TW	2025/01/08	< MDL 0.01	1	No
Tetrachloroethylene (ug/L)-TW	2025/01/08	< MDL 0.35	10	No
Triallate (ug/L) -TW	2025/01/08	< MDL 0.01	230	No
Trichloroethylene (ug/L)-TW	2025/01/08	< MDL 0.44	5	No
Trifluralin (ug/L)-TW	2025/01/08	< MDL 0.02	45	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	½ MAC VALUE	Date of Sample
Sodium	16.1	mg/L	10	Jan 8, 2025

(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)