

May 2023

Superior-Greenstone District School Board

Dorion Public School
RR1
Dorion, Ontario
P0T 1K0

Re: Dorion Public School Drinking Water System Annual Report

To whom it may concern:

Attached is the April 1, 2022 – March 31, 2023 Annual Report for the Manitoulin Secondary School water supply system. The report is completed based on the information we have in our records in accordance with Section 11 of O. Reg. 170/03, under the Safe Drinking Water Act, which requires an Annual Report to be prepared not later than May 31st for the preceding year.

Please note that any Orders that you have received directly from the MECP should be reviewed. There were no MECP inspections during the reporting period.

Section 12 of O. Reg. 170/03, requires the Annual Report and test results be made available for inspection by any member of the public during normal business hours, without charge. The reports should be made available for inspection at a location that is reasonably convenient to the users of the water system.

Yours truly,

Patrick Albert

Patrick Albert
General Manager
Northwestern Ontario Regional Hub
807-853-0650

Copy to:

2022 - 2023 Annual Report

Dorion Public School Drinking Water System

May 2023

Prepared by the



Ontario Clean Water Agency
Agence Ontarienne Des Eaux



Section 11 ANNUAL REPORT

Drinking-Water System Number:	260015444
Drinking-Water System Name:	Dorion Public School
Drinking-Water System Owner:	Superior-Greenstone District School Board
Drinking-Water System Category:	Small Municipal Non-Residential Designated Facility
Period being reported:	April 1 2022 – March 31, 2023

<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 [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; height: 60px; width: 100%;"></div>	<p><u>Complete for all other Categories.</u></p> <p>Number of Designated Facilities served:</p> <div style="border: 1px solid black; padding: 2px; width: 100px; text-align: center;">One</div> <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:</p> <div style="border: 1px solid black; padding: 2px; width: 100px; text-align: center;">One</div> <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



Ontario Drinking-Water Systems Regulation O. Reg. 170/03

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 (Municipal)
- 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

Dorion Public School has been serviced by a single on-site groundwater well supply since the school was built in 1993. The well is a drilled well 6 7/8 inch diameter and completed to a depth of 133 feet, where water is obtained from a sand/gravel aquifer. Maximum flow is 2.0 litres per second.

In order to comply with the minimum treatment requirements contained in the regulation, ultraviolet disinfecting equipment was installed in August 2002.

A professional consulting firm, Engineering Northwest Ltd. of Thunder Bay, was hired by the Board to provide design services and final certification for the water works at the school. This engineering assessment and certification is a mandatory requirement of the regulation to ensure that the water system meets the minimum treatment requirements set forth in the regulation.

List all water treatment chemicals used over this reporting period

- N/A

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

Install	Repair	Replace	Description	Expense
		X	UV Bulbs and Filters	\$300.00

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

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	24	0 - <1	Absent	N/A	N/A
Treated	N/A	N/A	N/A	N/A	N/A
Distribution	24	Absent	<1 - 4	0	N/A

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	N/A	N/A
Chlorine	N/A	N/A
Fluoride (If the DWS provides fluoridation)	N/A	N/A

NOTE: For continuous monitors use 8760 as the number of samples.

* Turbidity & chlorine Min/Max (lows/highs) are due to planned maintenance and not plant upset.

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	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	06/21/2022	<0.60	µg/L	No
Arsenic	06/21/2022	<1.0	µg/L	No
Barium	06/21/2022	242	µg/L	No
Boron	06/21/2022	<50	µg/L	No
Cadmium	06/21/2022	<0.10	µg/L	No
Chromium	06/21/2022	<1.0	µg/L	No
*Lead	Refer to Summary Table Below			
Mercury	06/21/2022	< 0.1	µg/L	No
Selenium	06/21/2022	< 1.0	µg/L	No
Sodium	03-31-2021	2.89	mg/L	No
Uranium	06/21/2022	< 2.0	µg/L	No
Fluoride	03-31-2021	0.070	mg/L	No
Nitrite	05/20/2022	<0.01	mg/L	No

	08/29/2022	<0.01	mg/L	No
	11/16/2022	<0.01	mg/L	No
	02/10/2023	<0.01	mg/L	No
Nitrate	05/20/2022	0.116	mg/L	No
	08/29/2022	0.097	mg/L	No
	11/16/2022	0.110	mg/L	No
	02/10/2023	0.392	mg/L	No

*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 #)	Number of Exceedances
Plumbing	130	<1.0 – 67.4	11
Distribution	N/A	N/A	N/A

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	06/21/2022	<0.10	µg/L	No
Atrazine + N-dealkylated metabolites	06/21/2022	<0.20	µg/L	No
Azinphos-methyl	06/21/2022	<0.10	µg/L	No
Benzene	06/21/2022	<0.50	µg/L	No
Benzo(a)pyrene	06/21/2022	<0.0050	µg/L	No
Bromoxynil	06/21/2022	<0.20	µg/L	No
Carbaryl	06/21/2022	<0.20	µg/L	No
Carbofuran	06/21/2022	<0.20	µg/L	No
Carbon Tetrachloride	06/21/2022	<0.20	µg/L	No
Chlorpyrifos	06/21/2022	<0.10	µg/L	No
Diazinon	06/21/2022	<0.10	µg/L	No
Dicamba	06/21/2022	<0.20	µg/L	No
1,2-Dichlorobenzene	06/21/2022	<0.50	µg/L	No



Ontario Drinking-Water Systems Regulation O. Reg. 170/03

1,4-Dichlorobenzene	06/21/2022	<0.50	µg/L	No
1,2-Dichloroethane	06/21/2022	<0.50	µg/L	No
1,1-Dichloroethylene (vinylidene chloride)	06/21/2022	<0.50	µg/L	No
Dichloromethane (Methylene Chloride)	06/21/2022	<5.0	µg/L	No
2-4 Dichlorophenol	06/21/2022	<0.30	µg/L	No
2,4-Dichlorophenoxy acetic acid (2,4-D)	06/21/2022	<0.20	µg/L	No
Diclofop-methyl	06/21/2022	<0.20	µg/L	No
Dimethoate	06/21/2022	<0.10	µg/L	No
Diquat	06/21/2022	<1.0	µg/L	No
Diuron	06/21/2022	<1.0	µg/L	No
Glyphosate	06/21/2022	<5.0	µg/L	No
Haloacetic acids (HAA)* (NOTE: show latest annual average)	N/A	N/A	ug/L	N/A
Malathion	06/21/2022	<0.10	µg/L	No
Metolachlor	06/21/2022	<0.10	µg/L	No
Metribuzin	06/21/2022	<0.10	µg/L	No
Monochlorobenzene (Chlorobenzene)	06/21/2022	<0.50	µg/L	No
Paraquat	06/21/2022	<1.0	µg/L	No
Pentachlorophenol	06/21/2022	<0.50	µg/L	No
Phorate	06/21/2022	<0.10	µg/L	No
Picloram	06/21/2022	<0.20	µg/L	No
Polychlorinated Biphenyls(PCB)	06/21/2022	<0.035	µg/L	No
Prometryne	06/21/2022	<0.10	µg/L	No
Simazine	06/21/2022	<0.10	µg/L	No
THM (NOTE: show latest annual average)	N/A	N/A	ug/L	N/A
Terbufos	06/21/2022	<0.20	µg/L	No
Tetrachloroethylene	06/21/2022	<0.50	µg/L	No
2,3,4,6-Tetrachlorophenol	06/21/2022	<0.50	µg/L	No
Triallate	06/21/2022	<0.10	µg/L	No
Trichloroethylene	06/21/2022	<0.50	µg/L	No
2,4,6-Trichlorophenol	06/21/2022	<0.50	µg/L	No
Trifluralin	06/21/2022	<0.10	µg/L	No
Vinyl Chloride	06/21/2022	<0.20	µg/L	No
MCPA	06/21/2022	<0.20	µg/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			