

ANNUAL REPORT

Drinking-Water System Number:	260079131
Drinking-Water System Name:	McDougall Nobel Distribution System
Drinking-Water System Owner:	The Corporation of the Municipality of McDougall
Drinking-Water System Category:	"Large Municipal Residential" Drinking Water System
Period being reported:	January 1, 2021 to December 31, 2021

<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; padding: 5px;"> <p>Municipality of McDougall Municipal Administration Office 5 Barager Blvd, McDougall, ON P2A 2W9 Phone (705) 342-5252</p> </div>	<p><u>Complete for all other Categories.</u></p> <p>Number of Designated Facilities served:</p> <div style="border: 1px solid black; padding: 5px; width: 100%;">None</div> <p>Did you provide a copy of your annual report to all Designated Facilities you serve? Yes [X] No [] none</p> <p>Number of Interested Authorities you report to: <div style="border: 1px solid black; padding: 5px; width: 100%;">n/a</div></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>None</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
none	

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

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

The drinking water system as of December 20, 2006 can be described as follows:
 A stand alone re-chlorination system boosting residual chlorine levels of the water distributed to the community of McDougall, from the existing North Sector Water Tower, located on the east side of Parry Sound Drive, approximately 220m north of Nobel Road, as follows:

- A building having dimensions 2.4m x 2.6m attached to the base of the elevated water tower including;
- Two chemical metering pumps (one duty one stand-by) each rated at 1.66 L/hr at 828 kPa;
- One 200 L sodium hypochlorite storage tank;
- Continuous free chlorine residual analyzer; and
- An alarm system complete with a SCADA system.

For a more detailed description of the current system refer to:
 Municipal Drinking Water License: 263-101, Issue #3, April 9th, 2021
 Drinking Water Works Permit: 263-201, Issue #3, April 9th, 2021.

List all water treatment chemicals used over this reporting period

The only chemical used in relationship to the water system is sodium hypo-chlorite (chlorine).

Were any significant expenses incurred to?

- [NO] Install required equipment
- [NO] Repair required equipment
- [NO] Replace required equipment

Please provide a brief description and a breakdown of monetary expenses incurred

Normal operation and maintenance expense.

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

AWQI #	Incident Date	Parameter	Result	Unit of Measure	Corrective Action	Corrective Action Date
None						

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 (#-#)	Range of Total Coliform Results (#-#)	Number of HPC Samples Or Background Colony Counts	Range of HPC Results (#-#) Or Background Colony Counts
Raw	n/a	n/a	n/a	n/a	n/a
Treated	n/a	n/a	n/a	n/a	n/a
Distribution	154	0-0	0-0	154	0-154

Operational testing done under Schedule 7, 8 or 9 of Regulation 170/03 during the period covered by this Annual Report.

2021	Number of Grab Samples	Range of Results (#-#)mg/l
Turbidity	n/a	n/a
Chlorine residual at North Tower	8760	0.15 -3.87
Chlorine Residual Distribution System (free)	478	0.22 -1.35
-Fluoride (If the DWS provides fluoridation)	n/a	n/a

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 Inorganic parameters tested during this reporting period or most recent

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
See Parry Sound Drinking Water Treatment System 2021 Annual Report				

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

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
See Parry Sound Drinking Water Treatment System 2021 Annual Report				

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
See Parry Sound Drinking Water Treatment System 2021 Annual Report			

Summary of additional testing and sampling carried out in accordance with the requirement of an approval or order.

Parameter	Date Sampled	Location	Result	Unit of Measure
HAA	Jan. 18/21	2b Robinson ln.	49.5	ug/l
HAA	Jan. 18/21	North Tower	42.2	ug/l
HAA	Feb. 8/21	2b Robinson ln.	56.8	ug/l
HAA	Feb. 8/21	North Tower	40.0	ug/l
THM	Feb. 8/21	8b Parkway ave.	47	ug/l
THM	Feb. 8/21	North Tower	43	ug/l
HAA	Mar. 15/21	2b Robinson ln.	46.6	ug/l
HAA	Mar. 15/21	North Tower	34.3	ug/l
HAA	Apr. 19/21	2b Robinson ln.	79.9	ug/l
HAA	Apr. 19/21	North Tower	67.8	ug/l
HAA	May 10/21	2b Robinson ln.	59.6	ug/l
HAA	May 10/21	North Tower	43.4	ug/l
THM	May 10/21	8b Parkway ave.	61	ug/l
THM	May 10/21	North Tower	50	ug/l
HAA	June 14/21	2b Robinson ln.	57.9	ug/l
HAA	June 14/21	North Tower	40.8	ug/l
HAA	July 12/21	2b Robinson ln.	53.6	ug/l
HAA	July 12/21	North Tower	45.5	ug/l
THM	July 12/21	8b Parkway ave.	68	ug/l
THM	July 12/21	North Tower	61	ug/l
HAA	Aug. 19/21	2b Robinson ln.	58.5	ug/l
HAA	Aug. 19/21	North Tower	43.8	ug/l
HAA	Sep. 13/21	2b Robinson ln.	64.1	ug/l
HAA	Sep. 13/21	North Tower	57.1	ug/l
HAA	Oct. 12/21	2b Robinson ln.	89.7	ug/l
HAA	Oct. 12/21	North Tower	83.0	ug/l
THM	Oct. 12/21	8b Parkway ave.	118	ug/l
THM	Oct. 12/21	North Tower	99	ug/l
HAA	Nov. 22/21	2b Robinson ln.	70.6	ug/l
HAA	Nov. 22/21	North Tower	67.0	ug/l
HAA	Dec. 6/21	2b Robinson ln.	94.8	ug/l
HAA	Dec. 6/21	North Tower	75.2	ug/l

Summary of lead testing under Schedule 15.1 during this reporting period

Note: System was exempted from Lead samples in 2014 due to very low risk/results in previous years. pH and Alkalinity samples were collected as per sch. 15.1.

Location Type	Number of Samples	Range of Lead Results (min#) – (max #)	Unit of Measure	Number of Exceedances
Plumbing	0	n/a	ug/l	0
Distribution	4	0.18 – 0.51	ug/l	0