

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, 2023 to December 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; padding: 5px;"> Municipality of McDougall Municipal Administration Office 5 Barager Blvd, McDougall, ON P2A 2W9 Phone (705) 342-5252 </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;">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:</p> <div style="border: 1px solid black; padding: 5px;">n/a</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 [] 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.

- [X] Public access/notice via the web
[] Public access/notice via Government Office
[] Public access/notice via a newspaper
[X] 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 60 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?

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

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

An additional expense was incurred in 2023 in order to relocate and upgrade the Nobel North Tower SCADA system. This was carried out as a capital project to the approximate cost of \$52,000. In addition to this project, the AWQI referenced above incurred significant expenses for infrastructure repairs related to the washout and main break amounting to an approximate cost of \$25,000.

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
161702	April 7/23	Pressure Loss/Main Break	Loss of Pressure	kPa	Boil Water Advisory (BWA), Repairs, Flushing, BWA in effect until 2 sets of microbiological samples cleared.	April 7-9/23

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	160	0-0	0-0	160	0-760

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

2023	Number of Grab Samples	Range of Results (#-#)mg/l
Turbidity	n/a	n/a
Chlorine residual at North Tower	8760	0.68 -2.33
Chlorine Residual Distribution System (free)	508	0.32 -1.25
-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 2023 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 2023 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 2023 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
THM	Feb 21/23	8B Parkway Ave.	56	ug/l
THM	Feb 21/23	North Tower	47	ug/l
HAA	Feb 21/23	2B Robinson Ln.	37.7	ug/l
HAA	Feb 21/23	North Tower	35.7	ug/l
THM	June 5/23	8B Parkway Ave.	50	ug/l
THM	June 5/23	North Tower	46	ug/l
HAA	June 5/23	2B Robinson Ln.	44.5	ug/l
HAA	June 5/23	North Tower	35.6	ug/l
THM	Sept 18/23	8B Parkway Ave.	67	ug/l
HAA	Sept 18/23	2B Robinson Ln.	46.3	ug/l
THM	Dec 4/23	8B Parkway Ave.	60	ug/l
THM	Dec 4/23	North Tower	46	ug/l
HAA	Dec 4/23	2B Robinson Ln.	66.4	ug/l
HAA	Dec 4/23	North Tower	50.3	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	0.12 – 0.28	ug/l	0