

REGULAR MEETING OF COUNCIL OF THE CORPORATION OF THE TOWNSHIP OF MANITOUWADGE, TO BE HELD IN THE COUNCIL CHAMBERS, MUNICIPAL ADMINISTRATION COMPLEX, MANITOUWADGE, ONTARIO, ON WEDNESDAY, MARCH 13, 2019 AT THE HOUR OF 7:00 P.M.

AGENDA

01 CALL TO ORDER

02 ADDITIONS OR DELETIONS TO AGENDA

03 DISCLOSURE OF PECUNIARY INTEREST AND GENERAL NATURE THEREOF

04 APPROVAL OF AGENDA

05 DELEGATIONS AND PRESENTATIONS

06 ADOPTION OF MINUTES OF PREVIOUS MEETINGS

01 Minutes of the Regular Meeting held February 27, 2019.

07 PETITIONS

08 CORRESPONDENCE

01 Correspondence from Kristen Oliver, Executive Director for the Northwestern Ontario Municipal Association (NOMA) regarding Second Call for Nominations for Offices of President and Executive Vice-President, and 2019 NOMA Annual Meeting and Conference Agenda, for information purposes.

09 REPORTS AND COMMITTEES

01 Minutes of Meetings: Thunder Bay District Social Services Administration Board Inaugural Regular meeting held, January 10, 2019.
*Statements available at: <http://www.tbdssab.ca/board/board-minutes/>

02 Minutes of Meetings: Manitouwadge Public Library Board held, January 14, 2019.

10 VERBAL UPDATE BY MAYOR

11 VERBAL UPDATE BY CAO/CLERK-TREASURER

12 BY-LAWS

13 BUSINESS

- 01** Administration Report PW2019-08 submitted by Randy Barnes, Public Works Superintendent regarding 2018 Annual Drinking Water Report, dated March 5, 2019.

14 MOTIONS AND NOTICES OF MOTIONS

- 01** Notice of Motion submitted by Councillor Arola.

Subject: Office Hours.

- To increase office hour availability to the public by remaining open on Mondays each week to 4:30 p.m. on a trial basis through 2019.

15 CLOSED SESSIONS

- 01** Section 239(2)(b): personal matters about an identifiable individual, including municipal or local board employees.
 - Request for tax relief under Section 357(3) of the *Municipal Act*.

16 BUSINESS ARISING FROM CLOSED SESSION

17 ADJOURNMENT

MINUTES OF THE REGULAR MEETING OF THE COUNCIL OF THE CORPORATION OF THE TOWNSHIP OF MANITOUWADGE, HELD IN THE COUNCIL CHAMBERS, WEDNESDAY, FEBRUARY 27, 2019 AT THE HOUR OF 7:00 P.M.

PRESENT: Mayor John MacEachern
Councillor David Arola
Councillor Kathy Hudson
Councillor Jim Moffat
Councillor Mike Scapinello

ABSENT: 0

STAFF: Margaret Hartling, CAO/Clerk-Treasurer
Joleen Keough, Deputy Clerk
Florence MacLean, Economic Development Officer

PUBLIC: 2

01 CALL TO ORDER

RESOLUTION NO. 2019-46

Moved by: Councillor Hudson

Seconded by: Councillor Arola

RESOLVED THAT: the Regular Meeting commence at the hour of 7:02 p.m.

CARRIED

02 ADDITIONS OR DELETIONS TO AGENDA

03 DISCLOSURE OF PECUNIARY INTEREST AND GENERAL NATURE THEREOF

04 APPROVAL OF AGENDA

RESOLUTION NO. 2019-47

Moved by: Councillor Arola

Seconded by: Councillor Hudson

RESOLVED THAT: the agenda be approved as circulated.

CARRIED

05 DELEGATIONS AND PRESENTATIONS

06 ADOPTION OF MINUTES OF PREVIOUS MEETINGS

01 Minutes of the Regular Meeting held February 12, 2019.

RESOLUTION NO. 2019-48

Moved by: Councillor Hudson

Seconded by: Councillor Arola

RESOLVED THAT: the Minutes of the Regular Meeting held on February 12, 2019 are adopted as circulated.

CARRIED

07 PETITIONS

08 CORRESPONDENCE

01 Correspondence from Rosalie Evans, Solicitor-Clerk for the Municipality of Neening regarding Resolutions of Neening Council Respecting ROMA, dated February 12, 2019.

- 02 Correspondence from the Manitouwadge Cancer Assistance Group thanking Council for their continued support for the Annual Alumni Hockey Game Fundraiser.
- 03 Correspondence from Lisa Schut, President of Kiwissa Ski Club regarding opening of Kiwissa Ski Hill, dated January 31, 2019.

RESOLUTION NO. 2019-49

Moved by: Councillor Arola

Seconded by: Councillor Hudson

RESOLVED THAT: correspondence item(s) 08-01 to 08-03 be received and filed.

CARRIED

09 REPORTS AND COMMITTEES

- 01 Minutes of Meetings: Thunder Bay District Board of Health Annual and Regular Meeting held, January 16, 2019.

RESOLUTION NO. 2019-50

Moved by: Councillor Moffat

Seconded by: Councillor Scapinello

RESOLVED THAT: the Minutes of Meeting of the Thunder Bay District Board of Health Annual and Regular meeting held January 16, 2019, be accepted as received.

CARRIED

10 VERBAL UPDATE BY MAYOR

- 01 Verbal update provided by Mayor.

11 VERBAL UPDATE BY CAO/CLERK-TREASURER

- 01 Verbal update provided by CAO/Clerk-Treasurer.

12 BY-LAWS

- 01 Being a By-law to Appoint a Deputy Treasurer.

RESOLUTION NO. 2019-51

Moved by: Councillor Hudson

Seconded by: Councillor Moffat

Being a By-law to Appoint a Deputy Treasurer, be read a first and second time.

And furthermore, be read a third time, passed and numbered as By-law No. 2019-05

CARRIED

13 BUSINESS

- 01 Administration Report PW2019-07 submitted by Randy Barnes, Public Works Superintendent regarding New Hardware for Water Meter Reading, dated February 14, 2019.

RESOLUTION NO. 2019-52

Moved by: Councillor Moffat

Seconded by: Councillor Scapinello

RESOLVED THAT: Council requests staff to prepare a report on a cost study on metered water rates versus flat water rates and potential impacts.

CARRIED

- 02** Administration Report EDO2019-01 submitted by Florence MacLean, Economic Development Officer regarding Rural and Northern Immigration Pilot – Request for Letter, dated February 19, 2019.

RESOLUTION NO. 2019-53

Moved by: Councillor Scapinello

Seconded by: Councillor Moffat

RESOLVED THAT: Council is in receipt of Administration Report EDO2019-01 submitted by Florence MacLean, Economic Development Officer regarding Rural and Northern Immigration Pilot.

AND BE IT FURTHER RESOLVED THAT: upon conclusion of Council's review and consideration, direct staff as follows:

- 01** Council approves a letter of support for the Rural and Northern Immigration Pilot and directs staff to submit a community interest form.

CARRIED

- 03** Request from the Manitouwadge Nuclear Waste Community Liaison Committee regarding Council approval for a 2019 Science Camp in Manitouwadge, dated February 14, 2019.

RESOLUTION NO. 2019-54

Moved by: Councillor Hudson

Seconded by: Councillor Arola

RESOLVED THAT: Council is in receipt of Resolution No. 2019-17 from the Manitouwadge Nuclear Waste Community Liaison Committee requesting the approval of funding for a 2019 Science Camp in Manitouwadge.

AND BE IT FURTHER RESOLVED THAT: upon conclusion of Council's review and consideration, direct staff as follows:

- 01** Council approves funding in the amount of \$4,500.00 for the 2019 Science Camp, and be it further resolved that the funds will be taken and reimbursed from the NWMO regional program, "Early Investment in Education and Skills".

CARRIED

- 04** Request from the Manitouwadge Nuclear Waste Community Liaison Committee regarding Council approval for a Empower Reading Program, dated February 14, 2019.

RESOLUTION NO. 2019-55

Moved by: Councillor Moffat

Seconded by: Councillor Arola

RESOLVED THAT: Council is in receipt of Resolution No. 2019-18 from the Manitouwadge Nuclear Waste Community Liaison Committee requesting the approval of funding for the Empower Reading Program.

AND BE IT FURTHER RESOLVED THAT: upon conclusion of Council's review and consideration, direct staff as follows:

- 01** Council approves funding in the amount of \$5,500.00 for the Empower Reading Program, and be it further resolved that the funds will be taken and reimbursed from the NWMO regional program, "Early Investment in Education and Skills".

CARRIED

- 05** Correspondence from Johanna Kirkbride with Ontario Clean Water Agency (OCWA) regarding Dates for an OCWA Standard of Care Course for Council in Manitouwadge, dated February 22, 2019.

RESOLUTION NO. 2019-56

Moved by: Councillor Moffat

Seconded by: Councillor Hudson

RESOLVED THAT: Council is in receipt of correspondence from Ontario Clean Water Agency (OCWA) regarding Dates for the Standard of Care Course for Council in Manitouwadge.

AND BE IT FURTHER RESOLVED THAT: staff be directed to firm a date and time for this training.

CARRIED

- 06** Administration Report ADM2019-04 submitted by Margaret Hartling, CAO/Clerk-Treasurer regarding a Student Councillor, dated February 22, 2019.

RESOLUTION NO. 2019-57

Moved by: Councillor Hudson

Seconded by: Councillor Moffat

RESOLVED THAT: Council is in receipt of Administration Report ADM2019-04 submitted by Margaret Hartling, CAO/Clerk-Treasurer regarding a Student Councillor.

AND BE IT FURTHER RESOLVED THAT: upon conclusion of Council's review and consideration, direct staff as follows:

- 01** Council approves that a student councillor position be filled for the balance of this term.

CARRIED**14 MOTIONS AND NOTICES OF MOTIONS****15 CLOSED SESSIONS**

- 01** Section 239(2)(b): personal matters about an identifiable individual, including municipal or local board employees.
- Employee Relations

RESOLUTION NO. 2019-58

Moved by: Councillor Scapinello

Seconded by: Councillor Moffat

WHEREAS Section 239(4) of the *Municipal Act, 2001*, S.O. 2001, c. 25 provides that before holding a meeting or part of a meeting that is to be closed to the public, a municipality or local board or committee of either of them, shall state by resolution the fact of holding of the closed meeting and the general nature of the matter to be considered at the closed meeting;

NOW THEREFORE BE IT RESOLVED THAT: this meeting is hereby closed to the public as the subject matter being discussed falls under the following section:

- 01** Section 239(2)(b): personal matters about an identifiable individual, including municipal or local board employees;
• Employee Relations

CARRIED

*Note: Councillor Arola left the meeting.

RESOLUTION NO. 2019-59

Moved by: Councillor Moffat

Seconded by: Councillor Scapinello

RESOLVED THAT: the meeting is hereby declared to be open to the public at 8:46 p.m.

CARRIED

16 BUSINESS ARISING FROM CLOSED SESSION

17 ADJOURNMENT

RESOLUTION NO. 2019-60

Moved by: Councillor Arola

Seconded by: Councillor Moffat

RESOLVED THAT: the Regular Meeting adjourn at the hour of 8:47 p.m.

CARRIED

Mayor John MacEachern

Margaret Hartling, CAO/Clerk-Treasurer



Representing the Districts of Kenora, Rainy River and Thunder Bay
P.O. Box 10308 Thunder Bay, ON P7B 6T8
www.noma.on.ca
p. 807.683.6662 e. admin@noma.on.ca

AGENDA
Item No. <u>08-01</u>
Meeting Date: <u>13</u> / <u>03</u> / <u>19</u>
D M Y

Memorandum

To: Mayors, Reeves, and Members of Council
From: Kristen Oliver, Executive Director
Date: March 5, 2019
Subject: Second Call for Nominations for Offices of President & Executive Vice President

The offices of President and Executive Vice President are subject to election during the 2019 Conference and Annual General Meeting to be held April 24, 25 & 26 in Thunder Bay, ON.

This is the second call for nominations. Those elected will hold office for a term of two (2) years commencing April 25, 2019. Nominees must be elected members of council.

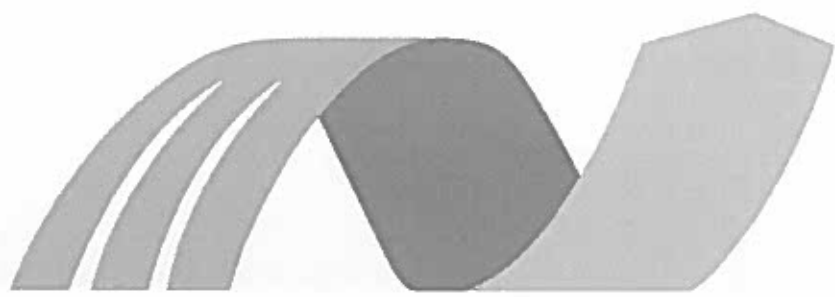
Any elected member in good standing may nominate a person or persons for these positions by notifying the Executive Director of the nomination in writing. A letter of consent from the nominee must accompany the nomination and be filed with the Executive Director.

There will be three calls for nominations via email. Nominations will be accepted until 9am on Thursday, April 18, 2019. Nominations will be posted on the NOMA website as they are received.

If more than one nomination is received for these offices, an election will be held on Wednesday, April 24 from 12:00 noon to 2:00pm. Nominees will be provided an opportunity to address the delegates prior to the election.

The Executive Director will prepare a list of electors and according to Section 13 of the Constitution each member municipality will be allowed six voting delegates. If more than six delegates are attending, the municipality shall provide the Executive Director a list of those persons that will be their voting delegates. Votes shall be cast in person – there are no provisions for proxy voting.

A full job description for the position of President is available on the NOMA website (under Organization Policies). The Executive Vice President is required to attend AMO Board meetings bi-monthly in Toronto and shall be prepared to fill-in as the President requires.



2019 NOMA Annual Meeting & Conference Agenda

AGENDA	
Item No.	OB-01
Date:	13 / 03 / 19
	D M Y

**Wednesday, April 24, 2019 Location: Victoria Inn & Conference Center,
Thunder Bay, Embassy Room**

- 10:30 am **Registration Opens**
- 11:00 am **Conference Welcome**
Call to Order & Greetings from NOMA – Mayor Wendy Landry, President
Roll Call
Greetings from Invited Dignitaries
- 11:20 am **Keynote: AMO Update**
Presented by: Jamie McGarvey, President, Association of Ontario Municipalities
- NOON **LUNCH**
- 12:45 pm **Cyber Security**
Presented by: Jessica Jaremchuk, Frank Cowan Company
- 1:30 pm **IESO Update**
Presented by: TBD
- 2:15 pm **Ontario Forest Industry Association**
Presented by: Ian Dunn, Director of Forest Policy
- 3:00 pm **Schedule One Update – WSIB**
Presented by: TBD
- 3:45 pm **HEALTH BREAK**
- 4:00
to 5:15 pm **NOMA Annual General Meeting**
1. Call to Order
 2. Approval of minutes of 72nd Annual General meeting
 3. Approval to receive the Presidents Report
 4. Resolutions Committee
 5. Approval of Auditors Report
 6. Appointment of Auditors for 2019
 7. Approval of 2019 Operating Estimates
 8. Approval to receive Committee & District Associations Reports
- Adjournment
- 6:00 pm to
8:00 pm **Opening Reception**
Join your colleagues for networking, appetizers and a cash bar. Be sure and visit the exhibitors who have registered for the 2019 conference

Thursday, April 25, 2019, Embassy Ballroom

7:30 am to 5:00 pm Registration & Expo

7:45 am

Buffet Breakfast

8:30 am

LAS Update

Presented by: Jeff Barten, Energy & Asset Services Manager

9:15 am

Hydro One - Update on projects in the Northwest

Presented by: TBD

10:00 am

Health Break

10:15 am

Parks & Recreation Ontario

Presented by: Mike Hood, Senior Coordinator, Business and Membership Development

10:45 am

MPAC

Presented by: Mary Dawson Cole, Regional Manager, Municipal & Stakeholder Relations

11:30 am

Thunder Bay Regional Health Sciences Foundation

Presented by: Barry Streib Foundation Board of Director

12:00 pm

Lunch Buffet

1:00 pm

Keynote: Magic Wand: How pro-active government can turn around practically any city, town or village and case studies that prove it

Presented by: Bruce Firestone, Real Estate Investment and Business coach

2:00 pm

Ombudsman Ontario

Presented by: Laura Pettigrew

2:45 pm

Health Break

3:00 pm

Centre for Rural & Northern Health Research Thunder Bay Drug Strategy & Lakehead University

Presented by: Dr. Mushquash

3:45 pm

Tourism Northern Ontario

Presented by: Pat Forrest, Senior Coordinator, Partnerships and Initiatives, Tourism Northern Ontario

5:30 pm

Reception Annual Banquet – Embassy Ballroom, Victoria Inn

6:00 pm

Dinner is served

Friday, April 26, 2019 Location: Embassy Ballroom

7:45 am

Buffet Breakfast

8:30 am

On hold for Elected Officials and the Bearpit

Confirmed to date: Minister Steve Clark, Minister of Municipal Affairs & Housing

The agenda is still in the planning stages as we await confirmations from the government and regional elected officials. The latest it will go is 2:00 pm but could conclude sooner. The agenda will be updated as confirmations are received.



**Manitouwadge Public Library Board
January 14, 2019, 6:00pm, Meeting Room #1
Minutes**

Present: Connie Hunter, Helen Goodwin, Lisa Schut, Tara Ruel, Amber Campbell, Holly Hudson, Beth Bierworth (CEO)

- 1) Call to Order at 6:02 pm.
- 2) Declaration of Interest - None
- 3) Motion #1-2019
That the Manitouwadge Public Library Board accept the Consent Agenda for the January 14, 2019 Board Meeting.
Moved by: Connie Hunter
Seconded by: Helen Goodwin
Passed
- 4) Election of Officers
 - a. Chair
Motion #2-2019
That the Manitouwadge Public Library Board appoints Connie Hunter as the Board Chair for this term.
Moved by: Lisa Schut
Seconded by: Holly Hudson
Passed
 - b. Vice Chair – The Board will appoint a member as Acting Chair required at the meeting where one is required.
- 5) Business arising from the minutes - None
- 6) Financial Report
 - a. The Township does not provide a Trial Balance for the month of December
- 7) Correspondence - none
- 8) CEO's report
 - a. 21 program, 99 participants



Offering opportunities for discovery...

9) New Business

- a. Council Representative – The Board directed Beth to prepare an email for CAO, Mayor and Council regarding Council Representative on the Library Board.

10) Business from the floor - none

11) Continuing Business

- a. Long Term Goals – Strategic planning
- b. Board Development – Connie shared about a webinar through SOLS. Our next meeting we will go over “Cut to the Chase” and an overview of the Library Act. There are options through LearnHQ for other training
- c. Policy Review – Governance package to be presented for approval at next meeting

12) Next Meeting – February 11, 2019 at 6:30pm

13) Notice of adjournment

Motion #3-2019

That the Manitowadge Public Library Board adjourns at 7:27 pm.

Moved by: Holly Hudson



Seconded by: Lisa Schut

Passed

Connie Hunter
Board Chair

THE CORPORATION OF THE TOWNSHIP OF MANITOUWADGE

ADMINISTRATION REPORT

SUBJECT: 2018 Annual Drinking Water Report		REPORT NUMBER: 2019-008
PREPARED BY: Randy Barnes, Public Works Superintendent		PAGE 1 OF 11
DATE: March 5 / 2019	REVISION DATE:	
MANAGER SIGNATURE: 	FOR CONSIDERATION: OPEN SESSION <input checked="" type="checkbox"/> CLOSED SESSION <input type="checkbox"/>	
CAO/CLERK-TREASURER SIGNATURE: 		
REFERRED TO:		
ATTACHMENTS:		

BACKGROUND: The annual drinking water report is prepared by our operator (OCWA) and provided to Council for their review

This report is provided in accordance with section 11 and schedule 22 of O. Reg. 170/03, under the safe drinking water act. 2002

COMMENTARY: The annual report identifies where our raw water is taken from, how it is treated and stored and how it is distributed to the residents of Manitouwadge. It identifies our average and peak daily flows and our independent laboratory test results.

FINANCIAL: We are presently in year two of a seven year contract with Ontario Clean Water Agency to provide operations services of the Manitouwadge water and waste water systems.

ACCESSIBILITY IMPLICATIONS: None

IN CONSULTATION WITH: OCWA

RECOMMENDATION:



**Ontario Clean Water Agency
Agence Ontarienne Des Eaux**

101 King Street, 2nd Floor
P.O. Box 819
Longlac, Ontario. P0T 2A0
Tel: 807 876-1141
Fax: 807 876-2560

February 19, 2019

Mayor John MacEachern and Council
The Corporation of the Township of Manitouwadge
1 Mississauga Drive
Manitouwadge, Ontario
P0T 2C0

Re: O. Regulation 170 - 2018 Section 11 Annual Report for the Manitouwadge Drinking-Water System

Ontario's Drinking-Water Systems Regulation (O.Reg. 170/03), made under the *Safe Drinking Water Act, 2002*, requires that the owner of a drinking water system prepare an annual report on the operation of the system and the quality of its water.

The annual report must cover the period of January 1st to December 31st in a year and must be prepared not later than February 28th of the following year. Pursuant to the legislative requirements, enclosed for your records is the 2018 Annual Report for the Manitouwadge Drinking-Water System. Pursuant to the legislative requirements, Section 11 (6): the annual report must:

- (a) contain a brief description of the drinking-water system, including a list of water treatment chemicals used by the system during the period covered by the report;
- (b) summarize any reports made to the Ministry under subsection 18 (1) of the Act or section 16-4 of Schedule 16 during the period covered by the report;
- (c) summarize the results of tests required under this Regulation, or an approval or order, including an OWRA order, during the period covered by the report and, if tests required under this Regulation in respect of a parameter were not required during that period, summarize the most recent results of tests of that parameter;
- (d) describe any corrective actions taken under Schedule 17 or 18 during the period covered by the report;
- (e) describe any major expenses incurred during the period covered by the report to install, repair or replace required equipment; and
- (f) in the case of a large municipal residential system or a small municipal residential system, include a statement of where a report prepared under Schedule 22 will be available for inspection under subsection 12 (4). O. Reg. 170/03, s. 11 (6)

In addition, Section 11 (7) gives the direction that a copy of an annual report for the system is given, without charge, to every person who requests a copy and be made available for inspection by any member of the public during normal business hours. The report should be made available at the office of the municipality, or at a location that is accessible to the users of the water system.

Yours truly,

A handwritten signature in blue ink, appearing to read 'B. McMahon', with a stylized flourish at the end.

Bradley McMahon
Senior Operations Manager
Northwestern Ontario Regional Hub

Copy to: Margaret Hartling - CAO/Clerk-Treasurer
Randy Barnes - Public Works Superintendent
Operations Staff – Manitowadge Drinking Water System



2018 Section 11 Annual Report

Manitouwadge Drinking-Water System

February 2019

Prepared by the



Ontario Clean Water Agency
Agence Ontarienne Des Eaux



Section 11 ANNUAL REPORT

Drinking-Water System Number:	220000219
Drinking-Water System Name:	Manitouwadge Water Treatment Plant
Drinking-Water System Owner:	The Corporation of the Township of Manitouwadge
Drinking-Water System Category:	Large Municipal Residential Drinking Water-System
Period being reported:	January 1 – December 31, 2018

Complete if your Category is Large Municipal Residential or Small Municipal Residential

Does your Drinking-Water System serve more than 10,000 people? Yes [] No [X]

Is your annual report available to the public at no charge on a web site on the Internet? Yes [] No []

Location where Summary Report required under O. Reg. 170/03 Schedule 22 will be available for inspection.

*The Corporation of the Township of Manitouwadge
1 Mississauga Drive
Manitouwadge, ON
POT 2C0*

Complete for all other Categories.

Number of Designated Facilities served:

N/A

Did you provide a copy of your annual report to all Designated Facilities you serve? Yes [] No []

Number of Interested Authorities you report to:

N/A

Did you provide a copy of your annual report to all Interested Authorities you report to for each Designated Facility? Yes [] No []

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	

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

Describe your Drinking-Water System

Raw water is extracted from five (5) wells, considered to be GUDI with adequate in-situ filtration. The first well-head site consists of wells #1 and #2, which are located at the pump house within the WTP boundaries. A 400 kW diesel engine generator is located at the WTP to provide emergency power. Wells #3 and #4 are located at the second well-head site adjacent to the west end of Manitouwadge Lake southeast of Oshweken Road. The second well-head site is supplied back-up power from the sewage lift station diesel generator. Well #5 is located in a separate building approximately 30 m southwest of well #3, for a total of three well-head sites. Each well is equipped with a submersible pump rated at 30.3 L/s. The raw water pumped from the wells is controlled by the treated water reservoir level. When the reservoir level falls to the 'low operating level,' the duty well pump will start drawing water until the reservoir reaches its 'high operating level.' Other well pumps will activate if required in order to meet water demands. The speed of the pumps are controlled by VFDs providing a more flexible and efficient operation.

The Manitouwadge WTP consists of a two-stage disinfection process, involving UV and chlorine disinfection. There are three UV reactors, one at each well-head site. UV treatment (primary disinfection) is provided at the well-head site as soon as the duty raw water well starts. Two UV reactors of rated flow rate of 63 L/s are provided for well-head sites #1 & #2 and another UV reactor with a rated flow rate of 31.5 L/s is provided for well-head site #3. The UV reactors operate using a 254 nm spectrum, and were specifically designed to achieve maximum inactivation of pathogens at a minimum dosage rate of 42 mJ/cm².

After the primary disinfection, water is passed through an aerator unit. There are two aerator units located at the main water treatment plant. The first aerator unit treats water coming from well-head site #1, whereas the second aerator treats water coming from both well-head sites #2 & #3. The aerator units are provided to scrub off the naturally occurring hydrogen sulfides and CO₂ in addition to controlling the pH of the raw water.

Water from the aerators is combined and transmitted through a common header; 400 mm diameter pipeline located at the main water treatment plant. Sodium hypochlorite (12% NaOH) is injected at the common header to provide secondary disinfection. There are two (2) microprocessor-controlled metering pumps capable of delivering 3.78 L/hr of sodium hypochlorite (12% NaOH). Following chlorination, 22.56 m downstream in the common header, water flow is split through a joint reducer and transmitted through two 44.3 m long pipes of 300 mm in diameter that feeds into the reservoir.

Water is stored in a concrete underground reservoir consisting of two cells separated by a sluice gate. There are two clear-wells joint to each separate cell, located underneath the high-lift pumps. The water is pumped from the clear-wells to the distribution system. The two clear-wells are also separated by sluice gates, which provide the operational flexibility for the maintenance purposes. The dimensions of both reservoir and clear-well combined is approximately 43 m long, 20 m wide and 5 m in height. The total volume for storage by the unit is approximately 4,060 m³. Water is distributed and supplied by four



high lift pumps with VFD's. Two turbine fire pumps are used as a back up to the high lift pumps. Each high lift pump has a total rated capacity of 40.5 L/s. Fire pumps are also rated at 40.5 L/s. Average daily and peak flows are 854.17 m³/day (10 L/s) and 1,218.9 m³/day (14 L/s), respectively. The WTP's average day flow demand is well below its rated capacity of 10,472 m³/day (121 L/S) (approximately 20% of the rated capacity). Consequently, the operator only requires one well pump and one high lift pump to meet water demands under normal circumstances. A secondary standby well pump is selected to meet the additional demand. Similarly, a fire pump would be used in case of an increase in water demands.

Monitoring equipment includes five flow meters to measure the water coming from each well. There are two additional flow meters; one (1) flowmeter that measures the combined flow of all five wells before it enters the reservoir and one (1) treated water flow meter prior to the distribution network. A free chlorine analyzer is used to measure the free chlorine residual at the point of entrance to the distribution system. A turbidimeter is also set up at the same location as the free chlorine analyzer in order to measure the turbidity of the treated water just before the distribution

List all water treatment chemicals used over this reporting period

- Sodium Hypochlorite

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		Swabbing	\$20,000
	x		Clearwell and lagoon inspections	\$21,000
		x	Chlorination system	\$26000
		x	Back-up Generator	

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
03-Jul-2018	Other Observation – While replacing bonnet on isolation valve, unable to isolate area. Shut water down to entire Township.	-	-	Resample and test for bacteria, restore disinfection, flush and issue boil water advisory.	06-Jul-18
15-Sept-2018	Other Observation – Loss of data when PLC failed.	-	-	3 rd party reloaded lost PLC programming due to power pump (Automation Now). System backed up for future power loses.	19-Sept-18
16-Sept-2018	Other Observation – Loss of Pressure – Generator failed during power outage	-	-	Two (2) sets of bacteriological samples taken 24 hours apart	19-Sept-18

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	253	0	0	N/A	N/A
Treated	51	0	0	51	0 – 1
Distribution	215	0	0	207	0 – 15

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		
Raw Well 1	12	0.17 – 0.69 NTU
Raw Well 2	12	0.26– 0.89 NTU
Raw Well 3	12	0.24 – 2.43 NTU
Raw Well 4	12	0.11 – 3.56 NTU

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.*

Raw Well 5 Treated	12 8760	0.13 – 0.69 NTU 0.00 – 1 NTU
Chlorine Treated Distribution	8760 370	0.00 – 2.00 0.00 – 1.76
Fluoride (If the DWS provides fluoridation)	N/A	N/A

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	20-Feb-2018	<0.6	µg/L	No
Arsenic	20-Feb-2018	<1.0	µg/L	No
Barium	20-Feb-2018	38.0	µg/L	No
Boron	20-Feb-2018	<50.0	µg/L	No
Cadmium	20-Feb-2018	<0.1	µg/L	No
Chromium	20-Feb-2018	<1.0	µg/L	No
*Lead	Refer to Summary Table Below			
Mercury	20-Feb-2018	<0.1	µg/L	No
Selenium	20-Feb-2018	<1.0	µg/L	No
Sodium	28-Jan-2015	45.5	mg/L	Yes
Uranium	20-Feb-2018	<2.0	µg/L	No
Fluoride	19-Jan-2015	0.070	mg/L	No
Nitrite	09-Jan-2018	<0.010	mg/L	No
	16-Apr-2018	<0.010	mg/L	No
	09-Jul-2018	<0.010	mg/L	No
	09-Oct-2018	<0.010	mg/L	No
Nitrate	09-Jan-2018	1.03	mg/L	No
	16-Apr-2018	1.49	mg/L	No
	09-Jul-2018	1.32	mg/L	No
	09-Oct-2018	1.21	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	N/A	N/A	N/A
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	20-Feb-2018	<0.1	µg/L	No
Atrazine + N-dealkylated metabolites	20-Feb-2018	<0.2	µg/L	No
Azinphos-methyl	20-Feb-2018	<0.1	µg/L	No
Benzene	20-Feb-2018	<0.5	µg/L	No
Benzo(a)pyrene	20-Feb-2018	<0.01	µg/L	No
Bromoxynil	20-Feb-2018	<0.2	µg/L	No
Carbaryl	20-Feb-2018	<0.2	µg/L	No
Carbofuran	20-Feb-2018	<0.2	µg/L	No
Carbon Tetrachloride	20-Feb-2018	<0.2	µg/L	No
Chlorpyrifos	20-Feb-2018	<0.1	µg/L	No
Diazinon	20-Feb-2018	<0.1	µg/L	No
Dicamba	20-Feb-2018	<0.2	µg/L	No
1,2-Dichlorobenzene	20-Feb-2018	<0.5	µg/L	No
1,4-Dichlorobenzene	20-Feb-2018	<0.5	µg/L	No
1,2-Dichloroethane	20-Feb-2018	<0.5	µg/L	No
1,1-Dichloroethylene (vinylidene chloride)	20-Feb-2018	<0.5	µg/L	No



Dichloromethane (methylene chloride)	20-Feb-2018	<5.0	µg/L	No
2-4 Dichlorophenol	20-Feb-2018	<0.3	µg/L	No
2,4-Dichlorophenoxy acetic acid (2,4-D)	20-Feb-2018	<0.2	µg/L	No
Diclofop-methyl	20-Feb-2018	<0.2	µg/L	No
Dimethoate	20-Feb-2018	<0.1	µg/L	No
Diquat	20-Feb-2018	<1.0	µg/L	No
Diuron	20-Feb-2018	<1.0	µg/L	No
Glyphosate	20-Feb-2018	<5.0	µg/L	No
Haloacetic acids (HAA)* (NOTE: show latest annual average)	09-Oct-2018 2018 Average	18.5 15.5	µg/L	No
Malathion	20-Feb-2018	<0.1	µg/L	No
Metolachlor	20-Feb-2018	<0.1	µg/L	No
Metribuzin	20-Feb-2018	<0.1	µg/L	No
Monochlorobenzene	20-Feb-2018	<0.5	µg/L	No
Paraquat	20-Feb-2018	<1.0	µg/L	No
Pentachlorophenol	20-Feb-2018	<0.5	µg/L	No
Phorate	20-Feb-2018	<0.1	µg/L	No
Picloram	20-Feb-2018	<1.8	µg/L	No
Polychlorinated Biphenyls(PCB)	20-Feb-2018	<0.035	µg/L	No
Prometryne	20-Feb-2018	<0.1	µg/L	No
Simazine	20-Feb-2018	<0.1	µg/L	No
THM (NOTE: show latest annual average)	09-Oct-2018 2018 Average	33.9 27.1	µg/L µg/L	No No
Terbufos	20-Feb-2018	<0.2	µg/L	No
Tetrachloroethylene	20-Feb-2018	<0.5	µg/L	No
2,3,4,6-Tetrachlorophenol	20-Feb-2018	<0.5	µg/L	No
Triallate	20-Feb-2018	<0.1	µg/L	No
Trichloroethylene	20-Feb-2018	<0.5	µg/L	No
2,4,6-Trichlorophenol	20-Feb-2018	<0.5	µg/L	No
Trifluralin	20-Feb-2018	<0.1	µg/L	No
Vinyl Chloride	20-Feb-2018	<0.2	µg/L	No
MCPA	20-Feb-2018	<0.2	µg/L	No

*Parameter exceedance not reportable until 2020

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	N/A	N/A	N/A

AGENDA	
Item No. <u>14-01</u>	
Meeting Date: <u>13</u> / <u>02</u> / <u>19</u>	
<u>D</u> / <u>M</u> / <u>Y</u>	

NOTICE OF INTENTION FORM

Member of Council DAVID AROLD (please print)

Hereby files a Notice of Motion to be included on the Agenda for the Regular meeting of Council, which is scheduled to be held on:

FEBRUARY 12, 20 19, under the following Agenda Heading:

Subject:

OFFICE HOURS

And,

Which Notice of Motion reads as follows:

TO INCREASE OFFICE HOURS AVAILABILITY
TO THE PUBLIC BY REMAINING OPEN
ON MONDAYS EACH WEEK TO 4:30 pm
ON A TRIAL BASIS THROUGH 2019.

Member of Council: [Signature] (signature)

Date: _____

CLERK'S USE ONLY:
Date Received: <u>Feb 7, 2019</u>
Time Received: <u>10:00 AM</u>
Notice of Motion Given, <u>Mar 13, 2019</u>