

**AGENDA**  
**A meeting of the Council of the Corporation**  
**of the Town of Northeastern Manitoulin and the Islands**  
**to be held on Tuesday, September 3 ,2024**  
**at 7:00pm**

- 1. Call to Order**
- 2. Approval of Agenda**
- 3. Disclosure of Pecuniary Interest & General Nature Thereof**
- 4. Minutes of Previous Meeting**
  - i. Confirming By-Law 2024-26
- 5. Old Business**
  - i. Speed Limit review on Traffic Control By-law
- 6. Reports**
  - i. Ministry Inspection for Sheguiandah Water Treatment Plant
- 7. In Camera**
  - i. a proposed or pending disposition or acquisition of land for municipal or local board purposes;
- 8. Adjournment**

**THE CORPORATION OF THE TOWN OF  
NORTHEASTERN MANITOULIN AND THE ISLANDS**

**BY-LAW NO. 2024-26**

Being a by-law of the Corporation of the Town of Northeastern Manitoulin and the Islands to adopt the minutes of Council for the term commencing November 15, 2022 and authorizing the taking of any action authorized therein and thereby.

WHEREAS the Municipal Act, S.O. 2001, c. 25. s. 5 (3) requires a Municipal Council to exercise its powers by by-law, except where otherwise provided;

AND WHEREAS in many cases, action which is taken or authorized to be taken by a Council or a Committee of Council does not lend itself to an individual by-law;

NOW THEREFORE THE COUNCIL OF THE CORPORATION OF THE TOWN OF NORTHEASTERN MANITOULIN AND THE ISLANDS ENACTS AS FOLLOWS:

1. THAT the minutes of the meetings of the Council of the Corporation of the Town of Northeastern Manitoulin and the Islands for the term commencing November 15, 2022

August 6, 2024  
August 8, 2024  
August 22, 2024

are hereby adopted.

2. THAT the taking of any action authorized in or by the minutes mentioned in Section 1 hereof and the exercise of any powers by the Council or Committees by the said minutes are hereby ratified, authorized and confirmed.
3. THAT, where no individual by-law has been or is passed with respect to the taking of any action authorized in or by the minutes mentioned in Section 1 hereof or with respect to the exercise of any powers by the Council or Committees in the above-mentioned minutes, then this by-law shall be deemed for all purposes to be the by-law required for approving and authorizing the taking of any action authorized therein or thereby or required for the exercise of any power therein by the Council or Committees.
4. THAT the Mayor and proper Officers of the Corporation of the Town of Northeastern Manitoulin and the Islands are hereby authorized and directed to do all things necessary to give effect to the recommendations, motions, resolutions, reports, action and other decisions of the Council or Committees as evidenced by the above-mentioned minutes in Section 1 and the Mayor and Clerk are hereby authorized and directed to execute all necessary documents in the name of the Corporation of the Town of Northeastern Manitoulin and the Islands and to affix the seal of the Corporation thereto.

READ A FIRST, SECOND AND THIRD TIME AND FINALLY PASSED THIS  
3<sup>rd</sup> day of September, 2024.

\_\_\_\_\_  
Al MacNevin

\_\_\_\_\_  
Mayor

\_\_\_\_\_  
Pam Myers

\_\_\_\_\_  
Clerk

**The Corporation of the Town of Northeastern Manitoulin and the Islands**  
**Minutes of a meeting of Council held Thursday, August 22, 2024**  
**at 7:00p.m.**

**PRESENT:** Mayor Al MacNevin, Councillors: Patti Aelick, Al Boyd, Laurie Cook, Mike Erskine, Bruce Wood, and George Williamson

**ABSENT:** Councillor William Koehler, Dawn Orr

**STAFF PRESENT:** David Williamson, CAO  
Pam Myers, Clerk  
Duane Deschamp, Fire Chief  
Wayne Williamson, Manager of Public Works  
Reid Taylor, Manager of Community Services

Mayor MacNevin called the meeting to order at 7:00 p.m.

**Resolution No. 161-08-2024**

Moved by: A. Boyd

Seconded by: P. Aelick

RESOLVED THAT the Council of the Corporation of the Town of Northeastern Manitoulin and the Islands approves the agenda.

Carried

**Resolution No. 162-08-2024**

Moved by: M. Erskine

Seconded by: A. Boyd

RESOLVED THAT the Planning Authority of the Council of the Corporation of the Town of Northeastern Manitoulin and the Islands conditionally approves the application for consent as applied for by Davis & McLay Development Limited, Number 2024-09, subject to the following conditions;

1. Each lot in the subdivision will have the easement/right of way registered on title.
2. The applicant must deposit a Reference Plan of Survey in the Land Registry Office clearly delineating the easement approved by The Town of Northeastern Manitoulin and the Islands in this decision and provide the Town Office with a copy.
3. Prior to final approval by the Town of Northeastern Manitoulin and the Islands, the owner provides confirmation of payment of all outstanding taxes.

Carried

**Resolution No. 163-08-2024**

Moved by: M. Erskine

Seconded by: B. Wood

RESOLVED THAT the Council of the Corporation of the Town of Northeastern Manitoulin and the Islands now reads a first, second and third time and finally passes By-Law 2024-24, being a by law to amend the zoning by-law # 2018-41 to remove the Commercial zoning from 34 Blake Street East and replace it with Residential zoning.

Carried

**Resolution No. 164-08-2024**

Moved by: G. Williamson

Seconded by: M. Erskine

RESOLVED THAT the Council of the Corporation of the Town of Northeastern Manitoulin and the Islands now reads a first, second and third time and finally passes By-Law 2024-25, being a by law to amend the zoning by-law # 2018-41 to allow for an oversized garage on 296 Pepper Point Road to be no larger than 299m<sup>2</sup>.

Carried

**Resolution No. 165-08-2024**

Moved by: M. Erskine

Seconded by: P. Aelick

RESOLVED THAT the Council of the Corporation of the Town of Northeastern Manitoulin and the Islands does now adjourn at 8:20 pm.

Carried

**The Corporation of the Town of Northeastern Manitoulin and the Islands**  
**Minutes of a meeting of Council held Thursday, August 8, 2024**  
**at 7:00p.m.**

**PRESENT:** Mayor Al MacNevin, Councillors: Patti Aelick, Al Boyd, Laurie Cook, Mike Erskine, Dawn Orr, Bruce Wood, William Koehler and George Williamson

**STAFF PRESENT:** David Williamson, CAO  
Pam Myers, Clerk  
Sheryl Wilkin, Treasurer

Mayor MacNevin called the meeting to order at 7:00 p.m.

**Resolution No. 158-08-2024**

Moved by: M. Erskine

Seconded by: P. Aelick

RESOLVED THAT the Council of the Corporation of the Town of Northeastern Manitoulin and the Islands approves the agenda.

Carried

**Resolution No. 159-08-2024**

Moved by: B. Wood

Seconded by: W. Koehler

Resolved that the Council of the Corporation of the Town of Northeastern Manitoulin and the Islands approves the financial reports as presented.

Carried

**Resolution No.160-08-2024**

Moved by: G. Williamson

Seconded by: P. Aelick

RESOLVED THAT the Council of the Corporation of the Town of Northeastern Manitoulin and the Islands does now adjourn at 7:38 pm.

Carried

\_\_\_\_\_  
Al MacNevin Mayor

\_\_\_\_\_  
Pam Myers Clerk

**The Corporation of the Town of Northeastern Manitoulin and the Islands**  
**Minutes of a Council meeting held Tuesday, August 6th, 2024**

**PRESENT:** Mayor Al MacNevin, Councillors: Patti Aelick, Al Boyd, Laurie Cook, Mike Erskine, George Williamson, and William Koehler

**ABSENT:** Councillor Bruce Wood, Dawn Orr

**STAFF PRESENT:** David Williamson, CAO  
Pam Myers, Clerk

Mayor MacNevin called the meeting to order at 7:00 p.m.

Disclosure of pecuniary interest and the general nature thereof

Resolution No. 153-08-2024

Moved by: M. Erskine

Seconded by: G. Williamson

RESOLVED THAT the Council of the Corporation of the Town of Northeastern Manitoulin and the Islands approves agenda as presented.

Carried

Resolution No. 154-08-2024

Moved by: A. Boyd

Seconded by: W. Koehler

RESOLVED THAT the Council of the Corporation of the Town of Northeastern Manitoulin and the Islands now reads a first, second and third time and finally passes By-law 2024-21 being a by-law to adopt the minutes of Council for the term commencing November 15<sup>th</sup>, 2022 and authorizing the taking of any action therein and thereby.

Carried

Resolution No. 155-08-2024

Moved by: M. Erskine

Seconded by: W. Koehler

RESOLVED THAT the Council of the Corporation of the Town of Northeastern Manitoulin and the Islands now reads a first, second and third time and finally passes By-law 2024-22, being a by-law to amend zoning by-law 2018-41 by site specific amendment to allow for an oversized garage to a maximum of 134m<sup>2</sup>, for residential use only, no commercial activity will be permitted.

Carried

Resolution No. 156-08-2024

Moved by: M. Erskine

Seconded by: P. Aelick

WHEREAS employers across Northern Ontario are experiencing a critical shortage of skilled workers, contributing to a shrinking labour market with an estimated 50,000 newcomers needed by 2041 to sustain current Northern Ontario population levels; and

WHEREAS, the labour shortage is causing significant economic hardship for Northern Ontario communities, including reduced productivity and business closures; and

WHEREAS population and migration trends to 2021 suggest that Northern Ontario needs 100,000 newcomers by 2041 to sustain current population; and

WHEREAS the success of the federal Rural and Northern Immigration Pilot (RNIP) demonstrates the effectiveness of allocating nomination spots to address regional labour shortages in attracting newcomers to Northern Ontario; and

WHEREAS, the Ontario Immigrant Nominee Program has been expanded from 9,750 nominees in 2022 to a goal of 21,500 nominees in 2024;

NOW, THEREFORE, BE IT RESOLVED BY the Town of Northeastern Manitoulin and the Islands COUNCIL Urges the Government of Ontario to address the critical market shortage of skilled labour in Northern Ontario by allocating 3,000 Ontario Immigrant Nominee Program spots to support the region's economic growth and development.

BE IT FURTHER RESOLVED THAT:

**The Corporation of the Town of Northeastern Manitoulin and the Islands  
Minutes of Council**

**Page 2**

Copies of this resolution be forwarded to: the Ontario Minister of Labour, Immigration, Training & Skills Development; local Members of Provincial Parliament; the Federation of Northern Ontario Municipalities; and Federal Ministries.

Carried

Resolution No. 157-08-2024

Moved by: G. Williamson

Seconded by: P. Aelick

RESOLVED THAT the Council of the Corporation of the Town of Northeastern Manitoulin and the Islands does now adjourn at 7:26 pm.

Carried

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Al MacNevin, Mayor

Pam Myers, Clerk

Green Bay Road	South	Bidwell Road
Green Bay Road	West	Bidwell Road
Hayward Street	South	Park Street
Manitowaning Road	North/East, right fork	Meredith Street
McDougall	North/East	Tehkumah
Newby's Side Road	South	Rockville Road
North Channel Drive	East	Cedar Cove
Robinson Street	East	Red Mill Road
Sydenham Street	West	Bay Village Road
Tehkummah	South	Dunlop
Ten Mile Point E/W	West	Ten Mile Point N/S
Trotter's Side Road	West	Townline Road East
Worthington Street - Upper Wall	North & South	Lower Worthington Street

**Schedule 'H'  
SPEED LIMITS**

Column 1	Column 2	Column 3	Column 4	Column 5
HIGHWAY	DIRECTION OF TRAVEL	BEGINNING AT	ENDING AT	SPEED
<i>Honora Bay</i>	<i>West &amp; South</i>	<i>Hwy 540</i>	<i>Hwy 540</i>	<i>50 km/hr</i>
Bay Street	East & West	Honora Bay Road	End	50 km/hr
Bidwell Road @ Limekiln intersection	Both directions on Bidwell Road	Ramp	Ramp	50km/hr
Bidwell Road @Green Bay intersection	Both directions on Bidwell Road	Ramp	Ramp	50km/h
Boozeneck Road	North & South	Hardbargain Road	Highway 540	40 km/hr
Cedar Cove	North & South	Intersection of North Channel Drive & Cedar Cove	End of Road	50 km/hr
Dunlop Street	East	Hill/Mill Streets	Tehkummah Street	40 km/hr
Harbor Vue Road	East & West	Hwy 6	End	60 km/hr
Limit Street	North	Hwy 6	End of Bridge	40 km/hr
Mill Street	East	Mill/Limit Streets	Dunlop/Tehkummah	25 km/hr
North Channel Drive	West	Boozeneck Road	St. Bernard's Roman Catholic Cemetery entrance	50 km/hr
North Channel Drive	East	St. Bernard's Roman Catholic	Cedar Cove	60 km/hr

Column 1	Column 2	Column 3	Column 4	Column 5
HIGHWAY	DIRECTION OF TRAVEL	BEGINNING AT	ENDING AT	SPEED
<i>Honora Bay</i>	<i>West &amp; South</i>	<i>Hwy 540</i>	<i>Hwy 540</i>	<i>50 km/hr</i>
		Cemetery entrance		
North Channel Drive	South	836 North Channel Drive	80 Cedar Cove	20km/hr
Rockville Road	North & South	Camp Mary Anne Road	Duck & Drake Marina North Entrance	50 km/hr
Rockville Road	North & South	350 m. North of Newby's Side road	150 m South of Don's Road (Pvt) entrance	50 km/hr
Tamarak Lane	North & South			40 km/hr
Townline Road	West	Hwy 6	Hamlet limits	40 km/hr
White's Point Road	East	Sharp Corner	End of Road	40 km/hr
White's Point Road	East & West	Hwy 6	Sharp Corner	50 km/hr

**Schedule 'I'**  
**SCHOOL BUS LOADING ZONES**

HIGHWAY	SIDE	FROM	TO
Draper Street	North	West Boundary of Lot 26 Draper Street	East part Lot 2 Draper Street Distance of 171.6 m (528 ft)

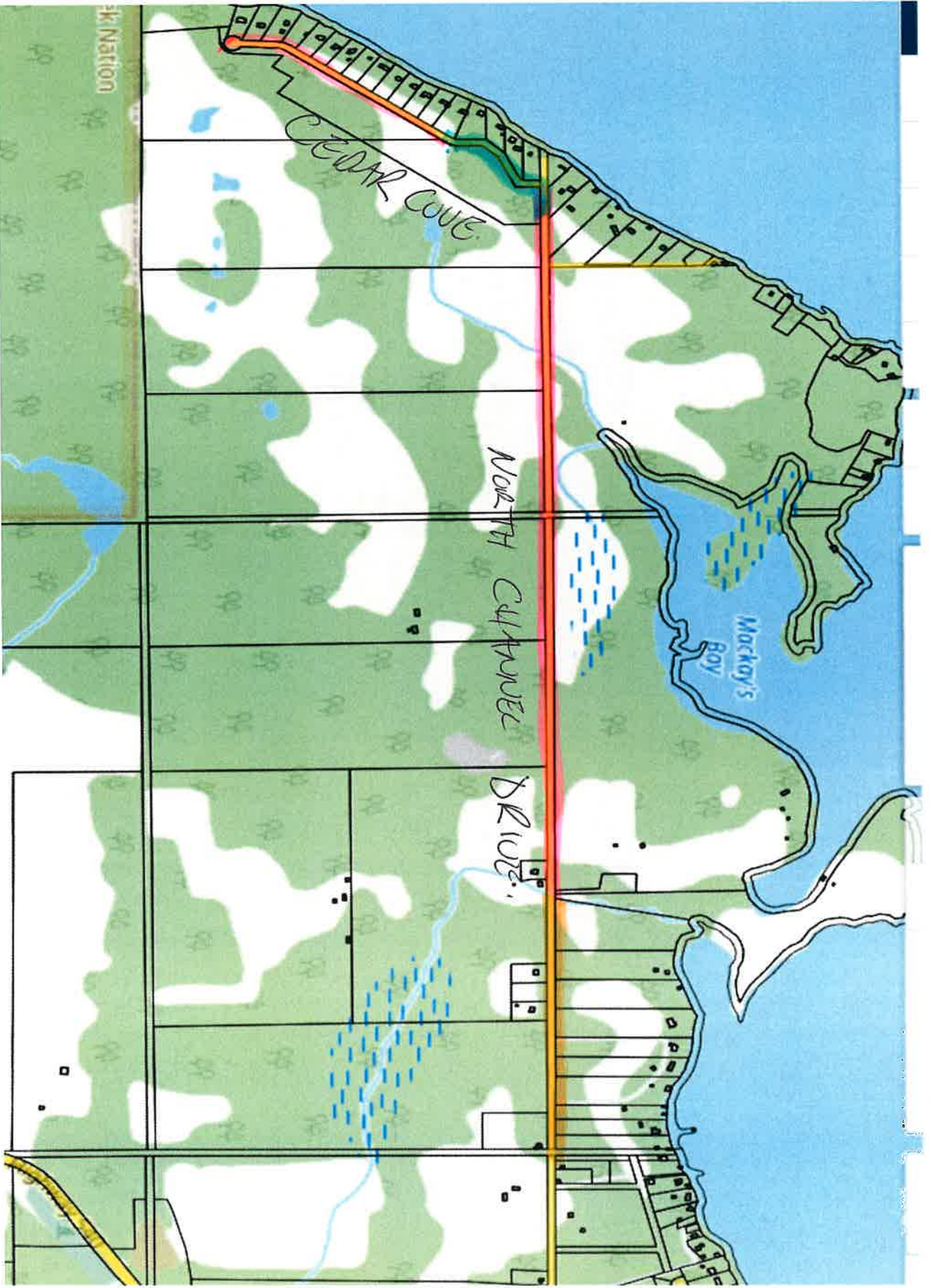
**Schedule 'J'**  
**15 Minute Parking**

This Section Left Blank

The Corporation of the Town of Northeastern Manitoulin and the Islands  
Part II – Provincial Offences Act  
By law 2015-32: Being a by-law to regulate traffic and parking in the Town

Item	Column 1 Short form wording	Column 2 Provision creating	Column 3 Early voluntary	Column 4 Set Fine





5th Nation

CEDAR COVE

NORTH CANTON DRIVE

Mackay's Bay

- 50 KM
- 60 KM
- 50 KM + 20 KM

From: Heather Hutchinson <heatherv2@hotmail.com>

Date: August 19, 2024 at 2:10:55 PM EDT

To: Mayor Al MacNevin <amacnevin@townofnemi.on.ca>

Cc: George Williamson <gwilliamson@townofnemi.on.ca>

Subject: Highway 6 signage

On the south end of Little Current, on highway 6, there is a sign showing 40k for the speed limit in the town. After that, there's not another sign until Guardian Pharmacy showing 40, then a 50k sign at the water treatment plant. There's no other signage along Manitowaning Road, reminding people the speed in Little Current.

Can I suggest 2 more 40k signs, on either side, about halfway along that stretch? They might remind people to slow down.

Sincerely,

Heather Hutchinson

62 Loon Trail

Little Current

**Ministry of the Environment,  
Conservation and Parks**

Drinking Water and Environmental  
Compliance Division, Northern Region

933 Ramsey Lake Road 4<sup>th</sup>  
Floor  
Sudbury ON P3E 6B5 Tel.:  
705 564-3237  
Toll Free: 1-800-890-8516  
Fax: 705 564-4180

**Ministère de l'Environnement, de la Protection de  
la nature et des Parcs**

Division de la conformité en matière d'eau potable et  
d'environnement, Direction régionale du Nord

933, rue Ramsey Lake 4<sup>e</sup>  
étage  
Sudbury ON P3E 6B5 Tél. :  
705 564-3237  
Numéro sans frais: 1-800-890-8516 Téléc. :  
705 564-4180

August 26, 2024

Northeastern Manitoulin & the  
Islands  
14 Water Street  
P.O. Box 608  
Little Current ON P0P 1K0

Attention Mr. Dave Williamson COA

**RE: 2023-2024 Inspection Report for the Sheguiandah Drinking Water System Waterworks #: 220009112**

Dear Mr. Williamson,

Attached to this letter is the report for the recent announced focused inspection completed at the Sheguiandah Drinking Water System on July 16, 2024 and the corresponding Inspection Rating Report (IRR) and Risk Methodology document. This report provides an assessment of compliance and conformance based on observations and information available during the inspection review period only.

There were some items of concern identified during the inspection, these items can be found on page 3 of the attached inspection report, the Recommendations section.

Section 19 of the Safe Drinking Water Act (Standard of Care) creates a number of obligations for individuals who exercise decision-making authority over municipal drinking water systems. As such, the Ministry has encouraged such individuals, particularly municipal councillors, to take steps to be better informed about the drinking water system over which they have decision-making authority. These steps could include asking for a copy of this inspection report and a review of its findings.

A copy of this inspection report has been provided to the Public Health Sudbury and District, as per the Ministry's Drinking Water Inspection Protocol.

I would like to thank the Ontario Clean Water Agency for their cooperation during the inspection, as it was much appreciated.

Should you have any questions regarding the attached document, please feel free to call me.

Thank you.

Parise Drolet  
Water Inspector Ministry of the Environment, Conservation and Parks Drinking Water and Environmental  
Compliance Division  
Sudbury District Office  
☎(705) 618-1262 ✉parise.drolet@ontario.ca

cc: Keith Stringer, Operations Manager, OCWA, Espanola Hub  
Sarah Beaulieu, Process and Compliance Technician, OCWA, Espanola Hub  
Burgess Hawkins, Health Protection Division, Public Health Sudbury and District

Ministry of the Environment, Conservation and Parks - Inspection Summary Rating Record (Reporting Year - 2024-25)

**DWS Name:** SHEGUIANDAH DRINKING WATER SYSTEM  
**DWS Number:** 220009112  
**DWS Owner:** THE CORPORATION OF THE TOWN OF NORTHEASTERN MANITOULIN AND THE ISLANDS  
**Municipal Location:** NORTHEASTERN MANITOULIN AND THE ISLANDS

**Regulation:** O.REG. 170/03

**DWS Category:** DW Municipal Residential

**Type of Inspection:** Focused

**Compliance Assessment Start Date:** Jul-16-2024

**Ministry Office:** Sudbury District Office

**Maximum Risk Rating:** 482

Inspection Module	Non Compliance Risk (X out of Y)
Capacity Assessment	0/30
Certification and Training	0/42
Logbooks	0/14
Operations Manuals	0/14
Other Inspection Findings	0/0
Reporting & Corrective Actions	0/42
Source	0/0
Treatment Processes	0/249
Water Quality Monitoring	0/91
<b>Overall - Calculated</b>	<b>0/482</b>

**Inspection Risk Rating:** 0.00%

**Final Inspection Rating:** 100.00%

Ministry of the Environment, Conservation and Parks - Detailed Inspection Rating Record (Reporting Year - 2024-25)

<b>DWS Name:</b>	SHEGUIANDAH DRINKING WATER SYSTEM
<b>DWS Number:</b>	220009112
<b>DWS Owner Name:</b>	THE CORPORATION OF THE TOWN OF NORTHEASTERN MANITOULIN AND THE ISLANDS
<b>Municipal Location:</b>	NORTHEASTERN MANITOULIN AND THE ISLANDS
<b>Regulation:</b>	O.REG. 170/03
<b>DWS Category:</b>	DW Municipal Residential
<b>Type of Inspection:</b>	Focused
<b>Compliance Assessment Start Date:</b>	Jul-16-2024
<b>Ministry Office:</b>	Sudbury District Office

Non-Compliance Question(s)	Non Compliance Risk
<b>Other Inspection Findings</b>	
Were the inspection questions sufficient to address other non-compliance items identified during the inspection period?	0
<b>Water Quality Monitoring</b>	
Were water quality sampling requirements imposed by the Municipal Drinking Water Licence and Drinking Water Works Permit met?	0
<b>Overall - Total</b>	<b>0</b>

Maximum Question Rating: 482

<b>Inspection Risk Rating:</b>	<b>0.00%</b>
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<b>FINAL INSPECTION RATING:</b>	<b>100.00%</b>
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SHEGUIANDAH DRINKING WATER SYSTEM  
Physical Address: 48 LIMIT ST, , NORTHEASTERN  
MANITOULIN AND THE  
ISLANDS, ON P0P 1W0

## INSPECTION REPORT

Entity: THE CORPORATION OF THE  
TOWN OF NORTHEASTERN  
MANITOULIN AND THE  
ISLANDS  
ONTARIO CLEAN WATER  
AGENCY

Inspection Start Date: July 16, 2024  
Site Inspection Date: July 16, 2024  
Inspection End Date: August 15, 2024  
Inspected By: Parise Drolet  
Badge #: 1312  
Inspected By: Marnie Managhan  
Badge #: 718

*Paule Dault*

(signature)

## INTRODUCTION

### Purpose

This announced, focused inspection was conducted to confirm compliance with Ministry of the Environment, Conservation and Parks' (MECP) legislation and conformance with ministry drinking water policies and guidelines.

### Scope

The ministry utilizes a comprehensive, multi-barrier approach in the inspection of water systems that focuses on the source, treatment, and distribution components as well as management and the operation of the system.

The inspection of the drinking water system included both the physical inspection of the component parts of the system listed in section 4 "Systems Components" of the report and the review of data and documents associated with the operation of the drinking water system during the review period.

This drinking water system is subject to the legislative requirements of the Safe Drinking Water Act, 2002 (SDWA) and regulations made therein, including Ontario Regulation 170/03, "Drinking Water Systems" (O. Reg. 170/03). This inspection has been conducted pursuant to Section 81 of the SDWA.

This inspection report does not suggest that all applicable legislation and regulations were evaluated. It remains the responsibility of the owner to ensure compliance with all applicable legislative and regulatory requirements.

### Facility Contacts and Dates

The Small Municipal Residential Drinking Water System is owned by the Town of Northeastern Manitoulin and the Islands, and is operated under contract by the Ontario Clean Water Agency (OCWA). The treatment plant is classified as a Water Treatment Subsystem Class 2 and the distribution is classified as a Class 1 Water Distribution Subsystem.

The physical inspection of the Sheguiandah Drinking Water System took place July 16, 2024, with the assistance of Kevin Woestenenk, Operator, and Sarah Beaulieu Process and Compliance Technician, both with OCWA.

### Systems/Components

The maximum rated capacity of the water treatment plant is 546 m<sup>3</sup>/day and serves a population of approximately 190 people. Water is drawn from Sheguiandah Bay in Lake Huron. The 150mm intake line runs 650 m out from the low lift well. The intake is approximately 2 m below the water's surface.

There are no outstations associated with this drinking water system.



### **Permissions/Approvals**

This drinking water system was subject to specific conditions contained within the following permissions and/or approvals at the time of the inspection in addition to the requirements of the SDWA and its regulations:

Municipal Drinking Water Licence 197-101

Drinking Water Works Permit 197-201, and Permit To Take Water 0233-AJ8PD5

### NON-COMPLIANCE

The following item(s) have been identified as non-compliance, based on a "No" response captured for a legislative question(s). For additional information on each question see the Inspection Details section of the report.

**Ministry Program:** DRINKING WATER | **Regulated Activity:** DW Municipal Residential

Item	Question	Compliance Response/Corrective Action(s)
NC-1	<p><b>Question ID:</b> DWMR1115001</p> <p>Were the inspection questions sufficient to address other non-compliance items identified during the inspection period?</p>	<p>The following instance(s) of non-compliance were also noted during the inspection:</p> <p>The MDWL was renewed in 2021 and included a requirement for monthly UV Transmittance (UVT) sampling was added. The licence states "UV Transmittance to be tested monthly for a minimum UTV of 93%". This was missed by both the OCWA team and the drinking water inspectors and as a result of this error, monthly UVT sampling was not completed in 2021, 2022 or 2023.</p> <p>The sampling plan has been updated to include monthly UVT sampling and the first sample was collected in January of 2024 and continues to be collected on a monthly basis.</p>
NC-2	<p><b>Question ID:</b> DWMR1094001</p> <p>Were water quality sampling requirements imposed by the Municipal Drinking Water Licence and Drinking Water Works Permit met?</p>	<p>Water quality sampling requirements imposed by the Municipal Drinking Water Licence and Drinking Water Works Permit were not met.</p> <p>Quarterly composite samples at the point of discharge to the North Channel are collected and tested for total suspended solids (TSS). The annual average concentration must not exceed 25 mg/L.</p> <p>All required sampling was completed, and the annual average concentration was well below the 25 mg/L requirement.</p> <p>The October 2023 sampling was missed due to operator oversight.</p>



### RECOMMENDATIONS

The following item(s) have been identified as non-conformance, based on a "No" response captured for a best management practice (BMP) question(s). For additional information on each question see the Inspection Details section of the report.

**Ministry Program:** DRINKING WATER | **Regulated Activity:** DW Municipal Residential

Item	Question	Recommendation(s)
R-1	<p><b>Question ID:</b> DWMR1120000</p> <p>Were there no issues identified outside the scope of the inspection that require preventative measures?</p>	<p>The following preventative measures are required:</p> <p>The facility in general is need of maintenance. The drinking water inspector observed an old spill to the Pax secondary containment that had not been cleaned. It could not be determined by reviewing the logbooks when the chemical spill occurred or how long it had been left for. All spills that have not yet been cleaned are required to be immediately.</p> <p>Chemical containers (Jex 12) were scattered throughout the plant, with no plans on being used, as the plant switched to Jex 5 months prior. All Jex 12 should be removed from the site if it's not being used.</p> <p>The Chemical room is not utilizing any secondary containment. Containment is available and on site, however it's leaned up against the wall. The secondary containment is to be installed properly, and all chemical barrels throughout the plant are to be placed on top of them. All empty chemical barrels should be removed from the site.</p> <p>The generator room is being utilized as a storage room, and material that is no longer required should be removed from the plant. Anything that is deemed necessary shall be stored away from the generator.</p> <p>The SCADA CT calculation program in use and relied upon at this plant requires manual input of some of the important variables (i.e. temperature). It is recommended that any CT</p>

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variables that have to be manually inputted into the SCADA program are regularly reviewed by the operator, possibly as part of the daily rounds at the plant.

The owner and their operating authority should explore options to ensure a Radiometer is available to meet the verification requirements of the MDWL at all times. Currently the Radiometer is shipped to Germany for verification and delays with returning the device have been occurring for the last few years which result is missed verification.

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### INSPECTION DETAILS

This section includes all questions that were assessed during the inspection.

**Ministry Program:** DRINKING WATER | **Regulated Activity:** DW Municipal Residential

Question ID	DWMR1012001	Question Type	Legislative
<p><b>Legislative Requirement(s):</b> SDWA   31   (1);</p> <p><b>Question:</b> Did the owner have a harmful algal bloom monitoring plan in place that met the requirements of the Municipal Drinking Water Licence?</p> <p><b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> The owner had a harmful algal bloom monitoring plan in place which met the requirements.</p> <p>SOP MHAB - 20 Monitoring for Harmful Algae Blooms dated November 5, 2020 and; SOP ODAB Operation during a Harmful Algae Bloom dated November 9, 2020, both speak to requirements for dealing with a Harmful Algae Bloom.</p> <p>The operator visually checks the area of the intake at least once weekly for evidence of a harmful algal bloom (HAB). In the past, weekly raw and treated samples were collected for microcystin analysis. However, since there have not been any HABs observed and the microcystin results were consistently less than the method detection limit, the operating authority suspended the weekly sampling. Appropriate sampling kits are maintained on site from May until October to be able to quickly collect a sample should an algal bloom be observed.</p>			

Question ID	DWMR1014001	Question Type	Legislative
<p><b>Legislative Requirement(s):</b> SDWA   31   (1);</p> <p><b>Question:</b> Was flow monitoring performed as required by the Municipal Drinking Water Licence or Drinking Water Works Permit?</p> <p><b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> Flow monitoring was performed as required.</p> <p>Schedule C of Condition 2.0 of the Licence 197-101 requires a sufficient number of flow measuring devices throughout the system to ensure continuous monitoring and recording of flow rates and daily volumes of water transported through the treatment and distribution systems. In addition, Condition 3.0 of the Licence requires that all flow measuring devices be checked and calibrated in accordance with the manufactures instruction, or at least once per year during which the drinking water system is in operation.</p>			

Raw water flow as well as treated water are being monitored.  
All flow meters were calibrated on September 26, 2023.

Question ID	DWMR1016001	Question Type	Legislative
<b>Legislative Requirement(s):</b> SDWA   31   (1);			
<b>Question:</b> Was the owner in compliance with the conditions associated with maximum flow rate or the rated/operational capacity in the Municipal Drinking Water Licence?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> The owner was in compliance with the conditions associated with maximum flow rate and/or the rated/operational capacity conditions.  The Licence for this facility identifies a rated capacity of 546 m <sup>3</sup> /day of treated water from the treatment system into the distribution system. The maximum daily volume of treated water entering the distribution system occurred on July 25, 2023 (335.17 m <sup>3</sup> /day). This amount of volume isn't typical even during the high peak season (summer) and was due to a watermain break.  The Permit to Take Water (0233-AJ8PD5) allows a maximum instantaneous flow rate of 455L/minute and a maximum daily flow rate of 654 624 m <sup>3</sup> /day. The maximum daily volume taken occurred on July 26, 2023 (370.7m <sup>3</sup> /day)			

Question ID	DWMR1018001	Question Type	Legislative
<b>Legislative Requirement(s):</b> SDWA   31   (1);			
<b>Question:</b> Did the owner ensure that equipment was installed in accordance with Schedule A and Schedule C of the Drinking Water Works Permit?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> The owner ensured that equipment was installed as required.  The Sheguiandah Drinking Water System operates under Drinking Water Works Permit # 197-201. The equipment as identified in the permit was reviewed at the time of the inspection and found to be in order.			

Question ID	DWMR1025001	Question Type	Legislative
<b>Legislative Requirement(s):</b> SDWA   31   (1);			
<b>Question:</b> Were all parts of the drinking water system that came in contact with drinking water disinfected in accordance with a procedure listed in Schedule B of the Drinking Water Works			

Permit?

**Compliance Response(s)/Corrective Action(s)/Observation(s):**  
All parts of the drinking water system were disinfected as required.

Question ID	DWMR1023001	Question Type	Legislative
<p><b>Legislative Requirement(s):</b> SDWA   O. Reg. 170/03   1-2   (2);</p> <p><b>Question:</b> Did records indicate that the treatment equipment was operated in a manner that achieved the design capabilities prescribed by O. Reg. 170/03, Drinking Water Works Permit and/or Municipal Drinking Water Licence at all times that water was being supplied to consumers?</p> <p><b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> Records indicated that the treatment equipment was operated in a manner that achieved the design capabilities prescribed.</p> <p>The original plant design for this system cited high turbidity in the source water as the rationale for increasing the value of log removal credits to be achieved by the plant for Giardia from 3, as per the Procedure for Disinfection of Drinking Water in Ontario, to 4. Therefore, for this treatment plant Required Removal/Inactivation is 2 log for Cryptosporidium, 4 log for Giardia and 4 log for Viruses. UV is especially effective on cryptosporidium and giardia but not all viruses. Chlorine is effective on viruses but not as effective on cryptosporidium and giardia. As such, it was determined that a combination of direct filtration, UV disinfection, and chlorination would be used in order to sufficiently meet the log removal/inactivation credits needed for primary disinfection. As such, the design totals for log removal/inactivation at this plant are 4 log for Cryptosporidium (through filtration and UV disinfection), 5 log for Giardia (through filtration and UV disinfection) and 4 log for Viruses (through filtration, UV disinfection and chlorination).</p> <p><b>DIRECT FILTRATION</b> In order to apply the noted credits for the filtration portion of the treatment process, the following criteria must be met:</p> <ul style="list-style-type: none"> <li>• Use a chemical coagulant at all times;</li> <li>• Monitor and adjust chemical dosages in response to variation in raw water quality;</li> <li>• Maintain effective backwash procedures, including filter to waste or an equivalent procedure during filter ripening to ensure effluent turbidity requirements are achieved at all times;</li> <li>• Continuously monitor filtrate turbidity;</li> <li>• Meet the performance criterion for filtered water turbidity of less than or equal to 0.3 NTU in 95% of the measurements each month;</li> </ul> <p>The information reviewed indicates that this system consistently met the criteria necessary to achieve the log removal credits assigned to filtration. Two coagulant pumps are in place to continuously feed coagulant into the raw water, just prior to the flocculation tank and,</p>			



necessary adjustments are made by the operator to chemical dosages based on variations in the raw water quality. There are also effective backwash procedures in place and the turbidity of the filter effluent is continuously monitored. Daily process summary reports are printed to confirm filter efficiency and no filter efficiency issues were identified for the inspection period.

**CHLORINATION**

The chlorine disinfection accounts for at least 1 log removal/inactivation of viruses. To ensure this log removal/inactivation is consistently achieved, operators calculate CT values based on actual operating conditions when free chlorine residual values drop below 0.7 mg/L in the treated water, as confirmed in the logbook.

**UV DISINFECTION**

The Municipal Drinking Water Licence requires UV disinfection equipment be operated to as to ensure a minimum pass through UV dose of 40mJ/cm<sup>2</sup>. As per the Ultraviolet Disinfection Technical Bulletin, dated July 2010, the Ministry has adopted the following:

- Testing frequency must be five minutes or less and recording of test data cannot exceed 4 hours;
- All off specification alarms need to be recorded at a minimum of 5 minute intervals;
- If the UV system does not correct itself within 2 consecutive alarms (10 minute period) the event is considered an adverse condition.

To ensure the UV disinfection system operates as per the requirements, off specification events are recorded and any events that last longer than 5 minutes result in an alarm and the plant will shut down. Further, a Ministry Approvals Branch engineer has reviewed the validation papers for the unit and confirmed that an intensity of 65W/m<sup>2</sup> is greater than the required minimum of 40mJ/cm<sup>2</sup>, when flow is less than 6.3L/sec.

Question ID	DWMR1026001	Question Type	Legislative
<p><b>Legislative Requirement(s):</b> SDWA   O. Reg. 170/03   1-6   (2);</p> <p><b>Question:</b> If primary disinfection equipment did not use chlorination or chloramination, was the equipment equipped with alarms or shut-off mechanisms that satisfy the standards described in Schedule 1-6 of O. Reg. 170/03?</p> <p><b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> Primary disinfection equipment was equipped with alarms or shutoff mechanisms that satisfied the standards.</p> <p>There are two UV units available for use at the plant. If the duty unit fails, there is an automatic switch over to the standby unit. Should both units fail, there is a lowlift pump lockout and alarm. The operator would have to attend the site to acknowledge the alarm and to restart the plant production.</p>			

Question ID	DWMR1024001	Question Type	Legislative
<p><b>Legislative Requirement(s):</b> SDWA   O. Reg. 170/03   1-2   (2);</p> <p><b>Question:</b> Did records confirm that the water treatment equipment which provides chlorination or chloramination for secondary disinfection was operated as required?</p> <p><b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> Records confirmed that the water treatment equipment which provides chlorination or chloramination for secondary disinfection was operated as required.</p> <p>The Procedure for Disinfection of Drinking Water in Ontario and O.Re. 170/03 requires that the free chlorine residual is never less than 0.05 mg/L at all times and all locations in the distribution system. Operators monitor free chlorine residual levels in the distribution system weekly.</p> <p>The distribution residual sheets and the available data indicated that the chlorine residual in the distribution system was maintained above 0.05 mg/L.</p> <p>The lowest distribution system free chlorine residual recorded during the inspection period was 0.59 mg/L on August 4, 2023.</p>			

Question ID	DWMR1034001	Question Type	Legislative
<p><b>Legislative Requirement(s):</b> SDWA   O. Reg. 170/03   7-2   (5); SDWA   O. Reg. 170/03   7-2   (6);</p> <p><b>Question:</b> Was secondary disinfectant residual tested as required for the small municipal residential distribution system?</p> <p><b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> Secondary disinfectant residual was tested as required.</p> <p>Secondary disinfection is monitored in the distribution system. At least four samples are taken on one day, and after at least 48 hours, three more samples are taken on a second day of that week.</p>			

Question ID	DWMR1030001	Question Type	Legislative
<p><b>Legislative Requirement(s):</b> SDWA   O. Reg. 170/03   7-2   (1); SDWA   O. Reg. 170/03   7-2   (2);</p> <p><b>Question:</b> Was primary disinfection chlorine monitoring being conducted at a location approved by Municipal Drinking Water Licence and/or Drinking Water Works Permit or at/near a location where the intended CT had just been achieved?</p> <p><b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> Primary disinfection chlorine monitoring was conducted as required.</p>			

Primary disinfection chlorine residual is monitored at or near the location where the intended CT had just been achieved, and Operators are fully aware of the operational criteria necessary to achieve primary disinfection.

If SCADA fails, the CT calculation can be found in the (CT Requirement for Sheguiandah WTP) SOP that is located at the plant.

Process data and supporting documentation provided during this review period indicates that the Sheguiandah WTP is operating in accordance with the above noted requirements. No concerns were identified.

Question ID	DWMR1032001	Question Type	Legislative
<b>Legislative Requirement(s):</b> SDWA   O. Reg. 170/03   7-3   (2);			
<b>Question:</b> If the drinking water system obtained water from a surface water source and provided filtration, was continuous monitoring of each filter effluent line performed for turbidity?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> Continuous monitoring of each filter effluent line was performed for turbidity.			
Filter Effluent Turbidity is monitored online via continuous turbidity analyzer. The data was reviewed and found to be in order, confirming that the process consistently met the performance criteria for filtered water turbidity of less than or equal to 0.3 NTU in 95% of the measurements each month.			
No concerns were identified.			

Question ID	DWMR1035001	Question Type	Legislative
<b>Legislative Requirement(s):</b> SDWA   O. Reg. 170/03   6-5   (1)1-4;			
<b>Question:</b> Were operators examining continuous monitoring test results and did they examine the results within 72 hours of the test?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> Operators were examining continuous monitoring test results as required.			
A review of the logbooks and operator records indicated that continuous monitoring test results were reviewed within 72 hours. If a review is completed remotely, a notation is available. Operators review data on Monday, Wednesday and Friday, as this ensures the 72 hour requirement is met.			
Electronic logbooks are being used at the facility and the operators are making electronic			

notes (time stamped)

Question ID	DWMR1038001	Question Type	Legislative
<b>Legislative Requirement(s):</b> SDWA   O. Reg. 170/03   6-5   (1)1-4;			
<b>Question:</b> Was continuous monitoring equipment that was being utilized to fulfill O. Reg. 170/03 requirements performing tests for the parameters with at least the minimum frequency and recording data with the prescribed format?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> Continuous monitoring equipment that was being utilized to fulfill O. Reg. 170/03 requirements was performing tests for the parameters with at least the minimum frequency and recording data with the prescribed format.			

Question ID	DWMR1037001	Question Type	Legislative
<b>Legislative Requirement(s):</b> SDWA   O. Reg. 170/03   6-5   (1)5-10; SDWA   O. Reg. 170/03   6-5   (1.1);			
<b>Question:</b> Were all continuous monitoring equipment utilized for sampling and testing required by O. Reg. 170/03, or Municipal Drinking Water Licence or Drinking Water Works Permit or order, equipped with alarms or shut-off mechanisms that satisfied the standards described in Schedule 6?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> All required continuous monitoring equipment utilized for sampling and testing were equipped with alarms or shut-off mechanisms that satisfied the standards  Turbidity levels are alarmed at 0.3 NTU after a set delay of 10 minutes. This alarm will also result in an associated low lift pump lockout.  Chlorine residual in treated water is alarmed at 0.75 mg/L with no delay. This alarm will also result in an associated low lift pump lockout.  These alarm set points meet the minimum requirements specified by subsection 6-5 of Schedule 6 of O.reg. 170/03.  The UV system will alarm after 5 minutes of off specification operation. This alarm will also result in an associated low lift pump lockout. Any off-specification operation lasting less than 5 minutes is documented.			

Question ID	DWMR1040001	Question Type	Legislative
<b>Legislative Requirement(s):</b> SDWA   O. Reg. 170/03   6-5   (1)1-4; SDWA   O. Reg. 170/03   6-5   (1)5-10;			
<b>Question:</b> Were all continuous analysers calibrated, maintained, and operated, in accordance with the manufacturer's instructions or the regulation?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> All continuous analysers were calibrated, maintained, and operated as required.			
OCWA has an electronic maintenance management system in place that generates work orders based on manufacturer specifications and pre-set schedules (i.e. weekly, monthly, annually). Regular calibration and maintenance of continuous analyzers is included in the maintenance management system.			

Question ID	DWMR1108001	Question Type	Legislative
<b>Legislative Requirement(s):</b> SDWA   O. Reg. 170/03   6-5   (1)5-10; SDWA   O. Reg. 170/03   6-5   (1.1);			
<b>Question:</b> Where continuous monitoring equipment used for the monitoring of free chlorine residual, total chlorine residual, combined chlorine residual or turbidity, required by O. Reg. 170/03, Municipal Drinking Water Licence, Drinking Water Works Permit, or order triggered an alarm or an automatic shut-off, did a qualified person respond as required and take appropriate actions?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> A qualified person responded as required and took appropriate actions.			
When an alarm at the water treatment plant is received the operator on call is paged. When an operator is called to respond to an alarm, the response, actions and/or other relevant information relating to the incident is documented in the logbook. A review of the Call Back Summary Reports and the facility logbook, specifically entries relating to alarm call outs, indicated that the operators are responding to alarms in a timely manner.			

Question ID	DWMR1039001	Question Type	Legislative
<b>Legislative Requirement(s):</b> SDWA   O. Reg. 170/03   1-6   (3);			
<b>Question:</b> If primary disinfection equipment that does not use chlorination or chloramination was used, did the owner and operating authority ensure the equipment had a recording device that continuously recorded the performance of the disinfection equipment?			

**Compliance Response(s)/Corrective Action(s)/Observation(s):**

The owner and operating authority ensured that the primary disinfection equipment had a recording device that continuously recorded the performance of the disinfection equipment.

A UV disinfection system comprises part of the primary disinfection at this plant. There are 2 units in place and are configured to alarm upon failure and the standby unit will automatically start up. The UV disinfection system is continuously monitored by the SCADA system with any off-specification incidents manually documented.

Question ID	DWMR1109001	Question Type	Legislative
<b>Legislative Requirement(s):</b> SDWA   O. Reg. 170/03   1-6   (1); SDWA   O. Reg. 170/03   1-6   (2);			
<b>Question:</b> If the system used equipment for primary disinfection other than chlorination or chloramination and the equipment malfunctioned, lost power, or ceased to provide the appropriate level of disinfection, causing an alarm or an automatic shut-off, did a certified operator respond as required and take appropriate actions?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> A certified operator responded as required and took appropriate actions.  The UV disinfection system comprises part of the primary disinfection at the plant. There are 2 units in place and are configured to alarm upon failure and the standby unit will automatically start up. If both units fail, there is a low lift pump lockout and alarm. The valves shutting off flow to the clearwell will close within 12 seconds of the UV shutting down, and this is regularly tested/confirmed by the operator.			

Question ID	DWMR1042001	Question Type	Legislative
<b>Legislative Requirement(s):</b> SDWA   31   (1);			
<b>Question:</b> If UV disinfection was used, were duty sensors and reference UV sensors checked and calibrated as per the requirements of Schedule E of the Municipal Drinking Water Licence or at a frequency as otherwise recommended by the UV equipment manufacturer?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> All UV sensors were checked and calibrated as required.  The UV sensors are checked monthly against a reference UV sensor (Radiometer). This schedule verification is included in the electronic maintenance management system and work orders are issued monthly. The reference Radiometer is sent for verification as per the manufacturer's specifications. Further, the duty sensors and the backup sensors are switched out every 6 months, with the removed sensors sent for verification against a Master Reference assembly. New sensors are purchased as necessary.			

The reference Radiometer was shipped to Germany for verification on February 22, 2024, as per normal practice. In the past, the device has been verified and returned within six weeks to two months. However, in the past few years the device has been delayed, which resulted in missed verifications (6 months in 2022, one month in 2023 and 3 months in 2024). Once received, the UV sensors were immediately verified and were within the specified range. It was also noted that, although the UV sensors were not calibrated each month, as required by the MDWL, neither sensor exceeded the operation hours recommended by the manufacturer for verification.

The owner and their operating authority should explore options to ensure that a Radiometer is available to meet the verification requirements of the MDWL at all times. This issue will be reviewed again during the next inspection.

Question ID	DWMR1099001	Question Type	Information
<b>Legislative Requirement(s):</b> Not Applicable			
<b>Question:</b> Do records show that water provided by the drinking water system met the Ontario Drinking Water Quality Standards?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> Records showed that all water sample results met the Ontario Drinking Water Quality Standards.			

Question ID	DWMR1082001	Question Type	Legislative
<b>Legislative Requirement(s):</b> SDWA   O. Reg. 170/03   11-2   (1); SDWA   O. Reg. 170/03   11-2   (2); SDWA   O. Reg. 170/03   11-2   (6);			
<b>Question:</b> Were distribution microbiological sampling requirements prescribed by Schedule 11-2 of O. Reg. 170/03 for small municipal residential systems met?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> Distribution microbiological sampling requirements were met.			
Schedule 11-2 of the O.Reg. 170/03 requires the owner of the Sheguiandah DWS to ensure that distribution samples be taken every two weeks and analyzed for E.Coli, Total Coliforms and colony counts on a heterotrophic plate count (HPC). A review of the certificate of analyses for this inspection period confirmed that distribution samples were taken every two weeks and tested for the required parameters.			

Question ID	DWMR1096001	Question Type	Legislative
<b>Legislative Requirement(s):</b> SDWA   O. Reg. 170/03   6-3   (1);			
<b>Question:</b> Did records confirm that chlorine residual tests were conducted at the same time and location as microbiological samples?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> Records confirmed that chlorine residual tests were conducted as required.			
The certificate of analysis and logbook records confirmed that chlorine residual tests are conducted at the same time and at the same location that microbiological samples are obtained.			

Question ID	DWMR1084001	Question Type	Legislative
<b>Legislative Requirement(s):</b> SDWA   O. Reg. 170/03   13-2;			
<b>Question:</b> Were inorganic parameter sampling requirements prescribed by Schedule 13-2 of O. Reg. 170/03 met?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> Inorganic parameter sampling requirements were met.			
The requirement is to sample and analyze for the inorganic parameters specified in Schedule 23 O.Reg. 170/03 every 60 months. Sampling for these parameters was completed on January 13, 2020. All results were within the limits defined by the Ontario Drinking Water Standards (ODWQS). Sampling for the inorganic parameters must be completed again in January 2025.			

Question ID	DWMR1085001	Question Type	Legislative
<b>Legislative Requirement(s):</b> SDWA   O. Reg. 170/03   13-4   (1); SDWA   O. Reg. 170/03   13-4   (2); SDWA   O. Reg. 170/03   13-4   (3);			
<b>Question:</b> Were organic parameter sampling requirements prescribed by Schedule 13-4 of O. Reg. 170/03 met?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> Organic parameter sampling requirements were met.			
The requirement is to sample and analyze for the inorganic parameters specified in Schedule 24 O.Reg. 170/03 every 60 months. Sampling for these parameters was completed on January 13, 2020. All results were within the limits defined by the Ontario Drinking Water Standards (ODWQS). Sampling for the inorganic parameters must be completed again in			



January 2025.

Question ID	DWMR1086001	Question Type	Legislative
<p><b>Legislative Requirement(s):</b> SDWA   O. Reg. 170/03   13-6.1   (1); SDWA   O. Reg. 170/03   13-6.1   (2); SDWA   O. Reg. 170/03   13-6.1   (3); SDWA   O. Reg. 170/03   13-6.1   (4); SDWA   O. Reg. 170/03   13-6.1   (5); SDWA   O. Reg. 170/03   13-6.1   (6);</p> <p><b>Question:</b> Were haloacetic acid sampling requirements prescribed by Schedule 13-6 of O. Reg. 170/03 met?</p> <p><b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> Haloacetic acid sampling requirements were met.</p> <p>All drinking water systems that provide chlorination or chloramination, for either primary or secondary disinfection, must sample for haloacetic acid (HAA) every three months. This requirement came into effect January 1, 2017.</p> <p>Sampling for HAAs was conducted on;</p> <p>January 9, 2023 - 14.2 ug/L April 3, 2023 - 14.7 ug/L July 10, 2023 - 16.6 ug/L October 5, 2023 - 22.4 ug/L</p> <p>January 8, 2024 - 16.0 ug/L April 2, 2024 - 21.2 ug/L July 8, 2024 - 42.0 ug/L</p> <p>The Running Annual Average (RAA) (as of July 2024) was 25.4 ug/L, well below the ODWS of 80 ug/L.</p>			

Question ID	DWMR1087001	Question Type	Legislative
<p><b>Legislative Requirement(s):</b> SDWA   O. Reg. 170/03   13-6   (1); SDWA   O. Reg. 170/03   13-6   (2); SDWA   O. Reg. 170/03   13-6   (3); SDWA   O. Reg. 170/03   13-6   (4); SDWA   O. Reg. 170/03   13-6   (5); SDWA   O. Reg. 170/03   13-6   (6);</p> <p><b>Question:</b> Were trihalomethane sampling requirements prescribed by Schedule 13-6 of O. Reg. 170/03 met?</p> <p><b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> Trihalomethane sampling requirements were met.</p> <p>Sampling for Trihalomethanes (THMs) was conducted on;</p>			

January 9, 2023 - 24 ug/L  
April 3, 2023 - 25 ug/L  
July 10, 2023 - 25 ug/L  
October 5, 2024 - 32 ug/L

January 8, 2024 - 36 ug/L  
April 2, 2024 - 25 ug/L  
July 8, 2024 - 47 ug/L

The Running Annual Average (RAA) (as of July 2024) was 35 ug/L, well below the ODWS of 100 ug/L.

Question ID	DWMR1088001	Question Type	Legislative
<p><b>Legislative Requirement(s):</b> SDWA   O. Reg. 170/03   13-7;</p> <p><b>Question:</b> Were nitrate/nitrite sampling requirements prescribed by Schedule 13-7 of O. Reg. 170/03 met?</p> <p><b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> Nitrate/nitrite sampling requirements were met.</p> <p>The requirement is to sample and test for nitrate and nitrite in the treated water every three months. Sampling was conducted on;</p> <p>January 9, 2023 - 0.173 mg/L April 3, 2023 - 0.183 mg/L July 10, 2023 - 0.097 mg/L October 5, 2023 - 0.063 mg/L</p> <p>January 8, 2024 - 0.163 mg/L April 2, 2024 - 0.130 mg/L July 8, 2024 - 0.115 mg/L</p>			

Question ID	DWMR1089001	Question Type	Legislative
<p><b>Legislative Requirement(s):</b> SDWA   O. Reg. 170/03   13-8;</p> <p><b>Question:</b> Were sodium sampling requirements prescribed by Schedule 13-8 of O. Reg. 170/03 met?</p> <p><b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> Sodium sampling requirements were met.</p>			

The requirement is for one sample to be collected every 60 months and tested for sodium. Sampling for this parameter was last completed on January 10, 2022, and the results was 6.15 mg/L.  
Sampling is required again in January 2027.

Question ID	DWMR1090001	Question Type	Legislative
<b>Legislative Requirement(s):</b> SDWA   O. Reg. 170/03   13-9;			
<b>Question:</b> Where fluoridation is not practiced, were fluoride sampling requirements prescribed by Schedule 13-9 of O. Reg. 170/03 met?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> Fluoride sampling requirements were met.			
The requirement is for one sample to be collected every 60 months and tested for fluoride. Sampling for this parameter was last completed on January 10, 2022, and the result was 0.06 mg/L. Sampling is required again January 2027.			

Question ID	DWMR1094001	Question Type	Legislative
<b>Legislative Requirement(s):</b> SDWA   31   (1);			
<b>Question:</b> Were water quality sampling requirements imposed by the Municipal Drinking Water Licence and Drinking Water Works Permit met?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> Water quality sampling requirements imposed by the Municipal Drinking Water Licence and Drinking Water Works Permit were not met.			
Quarterly composite samples at the point of discharge to the North Channel are collected and tested for total suspended solids (TSS). The annual average concentration must not exceed 25 mg/L. All required sampling was completed, and the annual average concentration was well below the 25 mg/L requirement. The October 2023 sampling was missed due to operator oversight.			
2023			
Q1 January - <2mg/L			
Q2 April 3 - <2 mg/L			
Q3 July 10 - <2 mg/L			
Q4 the October sampling was missed due to operator oversight.			
2024			

Q1 January - 2 mg/L  
Q2 April - <2 mg/L

Question ID	DWMR1060001	Question Type	Legislative
<p><b>Legislative Requirement(s):</b> SDWA   31   (1);</p> <p><b>Question:</b> Did the operations and maintenance manual(s) meet the requirements of the Municipal Drinking Water Licence?</p> <p><b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> The operations and maintenance manual(s) met the requirements of the Municipal Drinking Water Licence.</p> <p>The operation and maintenance manuals for Sheguiandah DWS contains plans, drawings, and a process description sufficient for the safe and efficient operations of the system. The manuals are kept at the facility and are readily available to all staff. There is only a hard copy of the manual located on site that hasn't been reviewed in 20 years.</p> <p>The operations manual should be reviewed and ensure that any process description changed are included if required.</p>			

Question ID	DWMR1062001	Question Type	Legislative
<p><b>Legislative Requirement(s):</b> SDWA   O. Reg. 170/03   7-5;</p> <p><b>Question:</b> Did records or other record keeping mechanisms confirm that operational testing not performed by continuous monitoring equipment was done by a certified operator, water quality analyst, or person who met the requirements of Schedule 7-5 of O. Reg. 170/03?</p> <p><b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> Records or other record keeping mechanisms confirmed that operational testing not performed by continuous monitoring equipment was done by a certified operator, water quality analyst, or person who met the requirements of Schedule 7-5 of O. Reg. 170/03.</p>			

Question ID	DWMR1071001	Question Type	BMP
<p><b>Legislative Requirement(s):</b> Not Applicable</p> <p><b>Question:</b> Did the owner provide security measures to protect components of the drinking water system?</p>			

**Compliance Response(s)/Corrective Action(s)/Observation(s):**

The owner provided security measures to protect components of the drinking water system.

Question ID	DWMR1073001	Question Type	Legislative
<b>Legislative Requirement(s):</b> SDWA   O. Reg. 128/04   23   (1);			
<b>Question:</b> Was an overall responsible operator designated for all subsystems which comprise the drinking water system?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> An overall responsible operator was designated for all subsystem.			
OCWA employs a number of operators out of the Espanola Hub office that are appropriately licensed to act as the overall responsible operator (ORO) for the Sheguiandah drinking water system (Class 2 water treatment subsystem, Class 1 water distribution subsystem). The ORO is identified in the logbook daily and usually the operator that is on-call for the week.			

Question ID	DWMR1074001	Question Type	Legislative
<b>Legislative Requirement(s):</b> SDWA   O. Reg. 128/04   25   (1);			
<b>Question:</b> Were operators-in-charge designated for all subsystems which comprise the drinking water system?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> Operators-in-charge were designated for all subsystems.			
The operator in charge (OIC) is identified in the logbook daily and is normally the operator on site undertaking the necessary operational duties.			

Question ID	DWMR1075001	Question Type	Legislative
<b>Legislative Requirement(s):</b> SDWA   O. Reg. 128/04   22;			
<b>Question:</b> Were all operators certified as required?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> All operators were certified as required.			
Jeff Tuerk Water Treatment Subsystem Class 3 certificate expired on July 31, 2024. Jeff is not to act as an operator until his licence is renewed.			

Please provide a copy of the renewed licence once it is received.

Question ID	DWMR1076001	Question Type	Legislative
<b>Legislative Requirement(s):</b> SDWA   O. Reg. 170/03   1-2   (2);			
<b>Question:</b> Were adjustments to the treatment equipment only made by certified operators?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> Adjustments to the treatment equipment were only made by certified operators.			

Question ID	DWMR1115001	Question Type	Legislative
<b>Legislative Requirement(s):</b> Not Applicable			
<b>Question:</b> Were the inspection questions sufficient to address other non-compliance items identified during the inspection period?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> The following instance(s) of non-compliance were also noted during the inspection:  The MDWL was renewed in 2021 and included a requirement for monthly UV Transmittance (UVT) sampling was added. The licence states "UV Transmittance to be tested monthly for a minimum UTV of 93%". This was missed by both the OCWA team and the drinking water inspectors and as a result of this error, monthly UVT sampling was not completed in 2021, 2022 or 2023. The sampling plan has been updated to include monthly UVT sampling and the first sample was collected in January of 2024 and continues to be collected on a monthly basis.			

Question ID	DWMR1120000	Question Type	BMP
<b>Legislative Requirement(s):</b> Not Applicable			
<b>Question:</b> Were there no issues identified outside the scope of the inspection that require preventative measures?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> The following preventative measures are required:  The facility in general is need of maintenance. The drinking water inspector observed an old			

spill to the Pax secondary containment that had not been cleaned. It could not be determined by reviewing the logbooks when the chemical spill occurred or how long it had been left for. All spills that have not yet been cleaned are required to be immediately.

Chemical containers (Jex 12) were scattered throughout the plant, with no plans on being used, as the plant switched to Jex 5 months prior. All Jex 12 should be removed from the site if it's not being used.

The Chemical room is not utilizing any secondary containment. Containment is available and on site, however it's leaned up against the wall. The secondary containment is to be installed properly, and all chemical barrels throughout the plant are to be placed on top of them. All empty chemical barrels should be removed from the site.

The generator room is being utilized as a storage room, and material that is no longer required should be removed from the plant. Anything that is deemed necessary shall be stored away from the generator.

The SCADA CT calculation program in use and relied upon at this plant requires manual input of some of the important variables (i.e. temperature). It is recommended that any CT variables that have to be manually inputted into the SCADA program are regularly reviewed by the operator, possibly as part of the daily rounds at the plant.

The owner and their operating authority should explore options to ensure a Radiometer is available to meet the verification requirements of the MDWL at all times. Currently the Radiometer is shipped to Germany for verification and delays with returning the device have been occurring for the last few years which result in missed verification.